



Astrodienst Ephemeris Tables for the year 2287

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 2287
geocentric

JANUARY 2287

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 41 50	10♈12'19	14♉4	27°R38	15♊48	20♋46	26°R35	14♌43	12°R 7	7♍38	26♎5	2°R34	4♏13	1♐5	18°R38	S 1
S 2	6 45 47	11°13'26	26°23	26♊56	17° 1	21°25	26♋28	14°49	12♌4	7°39	26° 6	2♎26	4°10	1°11	18♏34	S 2
M 3	6 49 43	12°14'33	8♌50	26°25	18°15	22° 3	26°20	14°56	12° 1	7°40	26° 7	2°21	4° 6	1°18	18°30	M 3
T 4	6 53 40	13°15'40	21°28	26° 5	19°28	22°42	26°12	15° 2	11°59	7°41	26° 9	2°18	4° 3	1°25	18°26	T 4
W 5	6 57 36	14°16'47	4♍17	25°55	20°41	23°20	26° 5	15° 9	11°56	7°43	26°10	2°D17	4° 0	1°31	18°22	W 5
T 6	7 1 33	15°17'55	17°19	25°D54	21°54	23°59	25°57	15°15	11°54	7°44	26°11	2°18	3°57	1°38	18°18	T 6
F 7	7 5 29	16°19'03	0♎37	26° 2	23° 7	24°37	25°49	15°22	11°51	7°45	26°13	2°19	3°54	1°45	18°13	F 7
S 8	7 9 26	17°20'12	14°12	26°18	24°20	25°16	25°41	15°29	11°48	7°46	26°14	2°R20	3°50	1°52	18° 9	S 8
S 9	7 13 22	18°21'20	28° 6	26°42	25°33	25°54	25°33	15°35	11°46	7°47	26°16	2°20	3°47	1°58	18° 5	S 9
M10	7 17 19	19°22'30	12♍20	27°13	26°46	26°33	25°25	15°42	11°43	7°48	26°17	2°18	3°44	2° 5	18° 1	M10
T 11	7 21 16	20°23'39	26°51	27°50	27°58	27°11	25°17	15°49	11°41	7°49	26°19	2°14	3°41	2°12	17°57	T 11
W12	7 25 12	21°24'49	11♊35	28°32	29°11	27°50	25° 9	15°55	11°38	7°50	26°20	2° 8	3°38	2°19	17°52	W12
T 13	7 29 9	22°25'59	26°26	29°19	0♋24	28°28	25° 1	16° 2	11°36	7°51	26°22	2° 2	3°35	2°25	17°48	T 13
F 14	7 33 5	23°27'08	11♈16	0♌10	1°36	29° 7	24°53	16° 9	11°33	7°52	26°23	1°55	3°31	2°32	17°44	F 14
S 15	7 37 2	24°28'18	25°56	1° 6	2°49	29°45	24°45	16°16	11°31	7°52	26°25	1°50	3°28	2°39	17°40	S 15
S 16	7 40 58	25°29'27	10♎20	2° 5	4° 1	0♊24	24°37	16°23	11°28	7°53	26°26	1°47	3°25	2°45	17°36	S 16
M17	7 44 55	26°30'36	24°21	3° 7	5°14	1° 2	24°28	16°29	11°26	7°54	26°28	1°45	3°22	2°52	17°32	M17
T 18	7 48 52	27°31'45	7♋57	4°11	6°26	1°41	24°20	16°36	11°23	7°55	26°29	1°D45	3°19	2°59	17°28	T 18
W19	7 52 48	28°32'53	21° 7	5°19	7°38	2°19	24°12	16°43	11°21	7°55	26°31	1°46	3°16	3° 6	17°23	W19
T 20	7 56 45	29°34'00	3♊54	6°28	8°50	2°58	24° 4	16°50	11°18	7°56	26°33	1°48	3°12	3°12	17°19	T 20
F 21	8 0 41	0♋35'06	16°20	7°40	10° 2	3°36	23°56	16°57	11°16	7°57	26°34	1°49	3° 9	3°19	17°15	F 21
S 22	8 4 38	1°36'12	28°31	8°53	11°14	4°15	23°48	17° 4	11°14	7°57	26°36	1°R50	3° 6	3°26	17°11	S 22
S 23	8 8 34	2°37'17	10♌30	10° 8	12°26	4°53	23°40	17°11	11°11	7°58	26°37	1°50	3° 3	3°33	17° 7	S 23
M24	8 12 31	3°38'21	22°23	11°25	13°38	5°32	23°33	17°18	11° 9	7°58	26°39	1°48	3° 0	3°39	17° 3	M24
T 25	8 16 27	4°39'25	4♐15	12°43	14°50	6°10	23°25	17°25	11° 6	7°59	26°41	1°45	2°56	3°46	16°59	T 25
W26	8 20 24	5°40'27	16° 9	14° 2	16° 1	6°48	23°17	17°32	11° 4	7°59	26°42	1°41	2°53	3°53	16°56	W26
T 27	8 24 21	6°41'29	28°10	15°23	17°13	7°27	23° 9	17°40	11° 2	8° 0	26°44	1°37	2°50	3°59	16°52	T 27
F 28	8 28 17	7°42'30	10♉19	16°44	18°24	8° 5	23° 2	17°47	11° 0	8° 0	26°46	1°33	2°47	4° 6	16°48	F 28
S 29	8 32 14	8°43'30	22°40	18° 7	19°36	8°44	22°54	17°54	10°57	8° 1	26°47	1°29	2°44	4°13	16°44	S 29
S 30	8 36 10	9°44'29	5♌13	19°31	20°47	9°22	22°47	18° 1	10°55	8° 1	26°49	1°26	2°41	4°20	16°40	S 30
M31	8 40 7	10♎45'28	17♌58	20♊56	21♋58	10♊1	22°39	18♎8	10°53	8♍1	26♎51	1♋24	2♎37	4♐26	16°37	M31

Day	☉	☽		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 1	26n27	3n49	20s18	3n 5	17s52	1s53	17s15	0n41	21n 5	0n17	17s13	0s51	23n13	0n22	12s26	1n42	21s35	9s21	10s33	9s57	25n22	14n30	7s41			
S 2	22 56	23 48	3 0	20 15	3 7	17 29	1 52	17 26	0 41	21 6	0 17	17 11	0 51	23 13	0 22	12 26	1 42	21 34	9 21	10 36	9 58	25 24	14 30	7 41			
M 3	22 50	20 0	2 3	20 15	3 7	17 6	1 51	17 36	0 40	21 8	0 17	17 9	0 51	23 14	0 22	12 26	1 42	21 34	9 21	10 37	9 59	25 25	14 31	7 41			
T 4	22 45	15 15	0 58	20 16	3 5	16 43	1 51	17 47	0 40	21 9	0 17	17 7	0 51	23 14	0 22	12 27	1 42	21 33	9 21	10 38	10 1	25 27	14 31	7 41			
W 5	22 38	9 46	0s11	20 19	3 1	16 19	1 50	17 57	0 39	21 11	0 17	17 5	0 51	23 14	0 22	12 27	1 42	21 33	9 21	10 39	10 2	25 28	14 32	7 41			
T 6	22 32	3 46	1 20	20 24	2 57	15 54	1 49	18 7	0 39	21 13	0 17	17 3	0 51	23 14	0 22	12 27	1 42	21 32	9 21	10 38	10 3	25 29	14 32	7 41			
F 7	22 25	2s29	2 27	20 30	2 51	15 29	1 48	18 17	0 38	21 14	0 17	17 1	0 51	23 15	0 22	12 28	1 42	21 32	9 20	10 38	10 4	25 31	14 32	7 41			
S 8	22 17	8 46	3 27	20 37	2 44	15 4	1 47	18 26	0 38	21 16	0 18	16 59	0 51	23 15	0 22	12 28	1 42	21 31	9 20	10 38	10 5	25 32	14 33	7 42			
S 9	22 9	14 46	4 16	20 45	2 37	14 38	1 45	18 36	0 37	21 17	0 18	16 58	0 51	23 15	0 22	12 28	1 42	21 30	9 20	10 38	10 6	25 34	14 33	7 42			
M10	22 0	20 7	4 51	20 54	2 29	14 12	1 44	18 46	0 37	21 19	0 18	16 56	0 51	23 15	0 22	12 29	1 42	21 30	9 20	10 39	10 7	25 35	14 34	7 42			
T 11	21 52	24 25	5 8	21 3	2 20	13 46	1 43	18 55	0 36	21 21	0 18	16 54	0 51	23 15	0 22	12 29	1 42	21 29	9 20	10 40	10 9	25 37	14 34	7 42			
W12	21 42	27 10	5 5	21 12	2 11	13 19	1 41	19 4	0 36	21 22	0 18	16 52	0 52	23 16	0 22	12 29	1 42	21 29	9 20	10 42	10 10	25 38	14 35	7 42			
T 13	21 32	28 3	4 42	21 22	2 2	12 52	1 40	19 13	0 35	21 24	0 18	16 50	0 52	23 16	0 22	12 29	1 43	21 28	9 20	10 44	10 11	25 39	14 35	7 42			
F 14	21 22	26 55	4 0	21 31	1 53	12 25	1 38	19 22	0 35	21 25	0 18	16 48	0 52	23 16	0 22	12 29	1 43	21 27	9 20	10 46	10 12	25 41	14 36	7 42			
S 15	21 12	23 55	3 2	21 40	1 44	11 57	1 36	19 31	0 34	21 27	0 19	16 46	0 52	23 16	0 22	12 30	1 43	21 27	9 20	10 48	10 13	25 42	14 37	7 42			
S 16	21 1	19 27	1 54	21 49	1 35	11 29	1 34	19 40	0 33	21 29	0 19	16 44	0 52	23 17	0 22	12 30	1 43	21 26	9 20	10 50	10 14	25 43	14 37	7 42			
M17	20 49	14 1	0 40	21 57	1 25	11 1	1 32	19 48	0 33	21 30	0 19	16 42	0 52	23 17	0 22	12 30	1 43	21 26	9 20	10 50	10 15	25 45	14 38	7 41			
T 18	20 37	8 3	0n34	22 5	1 16	10 32	1 30	19 56	0 32	21 32	0 19	16 40	0 52	23 17	0 22	12 30	1 43	21 25	9 20	10 50	10 17	25 46	14 38	7 41			
W19	20 25	1 55	1 44	22 11	1 6	10 3	1 28	20 5	0 32	21 33	0 19	16 37	0 52	23 17	0 22	12 30	1 43	21 24	9 20	10 50	10 18	25 47	14 39	7 41			
T 20	20 13	4n 6	2 47	22 18	0 57	9 34	1 26	20 13	0 31	21 35	0 19	16 35	0 52	23 17	0 22	12 31	1 43	21 24	9 19	10 49	10 19	25 49	14 39	7 41			
F 21	20 0	9 48	3 40	22 23	0 48	9 5	1 23	20 21	0 30	21 36	0 19	16 33	0 52	23 18	0 22	12 31	1 43	21 23	9 19	10 49	10 20	25 50	14 40	7 41			
S 22	19 46	15 0	4 22	22 27	0 39	8 35	1 21	20 28	0 30	21 38	0 19	16 31	0 52	23 18	0 22	12 31	1 43	21 22	9 19	10 48	10 21	25 51	14 41	7 41			
S 23	19 33	19 34	4 52	22 31	0 30	8 6	1 18	20 36	0 29	21 39	0 20	16 29	0 52	23 18	0 22	12 31	1 43	21 22	9 19	10 49	10 22	25 53	14 41	7 41			
M24	19 19	23 19	5 9	22 34	0 21	7 36	1 16	20 43	0 29	21 41	0 20	16 27	0 52	23 18	0 22	12 31	1 43	21 21	9 19	10 49	10 23	25 54	14 42	7 41			
T 25	19 4	26 5	5 13	22 35	0 13	7 6	1 13	20 51	0 28	21 42	0 20	16 25	0 52	23 18	0 22	12 31	1 43	21 21	9 19	10 50	10 25	25 55	14 43	7 40			
W26	18 49	27 43	5 3	22 36	0 4	6 35	1 10	20 58	0 27	21 44	0 20	16 23	0 52	23 19	0 22	12 31	1 43	21 20	9 19	10 52	10 26	25 57	14 43	7 40			
T 27	18 34	28 4	4 40	22 35	0s 4	6 5	1 8	21 5	0 27	21 45	0 20	16 21	0 52	23 19	0 22	12 31	1 43	21 19	9 19	10 53	10 27	25 58	14 44	7 40			
F 28	18 19	27 4	4 5	22 33	0 12	5 34	1 5	21 12	0 26	21 46	0 20	16 19	0 52	23 19	0 22	12 31	1 43	21 19	9 19	10 55	10 28	25 59	14 45	7 40			
S 29	18 3	24 44	3 17	22 30	0 20	5 4	1 2	21 18	0 25	21 48	0 20	16 16	0 52	23 19	0 22	12 32	1 43	21 18	9 19	10 56	10 29	26 0	14 45	7 40			
S 30	17 47	21 11	2 19	22 26	0 27	4 33	0 58	21 25	0 25	21 49	0 20	16 14	0 52	23 19	0 22	12 32	1 44	21 18	9 19	10 57	10 30	26 2	14 46	7 39			
M31	17s31	16n35	1n13	22s21	0s35	4s 2	0s55	21s31	0n24	21n50	0n21	16s12	0s52	23n20	0n22	12s32	1n44	21s17	9s19	10s58	10s31	26n 3	14n47	7s39			

ASTRODIENST EPHEMERIS for the year 2287

geocentric

FEBRUARY 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 44 3	11 ^h 46 ^m 25 ^s	0 ^h 57 ^m 57 ^s	22 ^h 32 ^m 11 ^s	23 ^h 31 ^m 09 ^s	10 ^h 37 ^m 39 ^s	22 ^h 03 ^m 32 ^s	18 ^h 48 ^m 15 ^s	10 ^h 05 ^m 51 ^s	8 ^h 11 ^m 01 ^s	26 ^h 45 ^m 52 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	4 ^h 11 ^m 33 ^s	16 ^h 03 ^m 33 ^s	T 1
W 2	8 48 0	12 ^h 47 ^m 22 ^s	14 ^h 0 ^m 8 ^s	23 ^h 48 ^m 24 ^s	24 ^h 20 ^m 11 ^s	11 ^h 18 ^m 22 ^s	22 ^h 03 ^m 25 ^s	18 ^h 22 ^m 10 ^s	10 ^h 03 ^m 49 ^s	8 ^h 02 ^m 26 ^s	26 ^h 54 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	4 ^h 40 ^m 16 ^s	16 ^h 03 ^m 29 ^s	W 2
T 3	8 51 56	13 ^h 48 ^m 18 ^s	27 ^h 32 ^m 11 ^s	25 ^h 15 ^m 25 ^s	25 ^h 30 ^m 11 ^s	11 ^h 56 ^m 22 ^s	22 ^h 18 ^m 18 ^s	18 ^h 30 ^m 10 ^s	10 ^h 04 ^m 47 ^s	8 ^h 02 ^m 26 ^s	26 ^h 56 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	4 ^h 46 ^m 16 ^s	16 ^h 02 ^m 26 ^s	T 3
F 4	8 55 53	14 ^h 49 ^m 13 ^s	11 ^h 48 ^m 27 ^s	26 ^h 43 ^m 26 ^s	26 ^h 41 ^m 12 ^s	12 ^h 34 ^m 22 ^s	22 ^h 11 ^m 18 ^s	18 ^h 37 ^m 10 ^s	10 ^h 04 ^m 45 ^s	8 ^h 02 ^m 26 ^s	26 ^h 58 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	4 ^h 53 ^m 16 ^s	16 ^h 02 ^m 22 ^s	F 4
S 5	8 59 50	15 ^h 50 ^m 07 ^s	24 ^h 55 ^m 28 ^s	27 ^h 51 ^m 13 ^s	27 ^h 51 ^m 13 ^s	13 ^h 13 ^m 22 ^s	22 ^h 04 ^m 18 ^s	18 ^h 44 ^m 10 ^s	10 ^h 04 ^m 43 ^s	8 ^h 02 ^m 26 ^s	26 ^h 59 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 0 ^m 16 ^s	16 ^h 01 ^m 19 ^s	S 5
S 6	9 3 46	16 ^h 51 ^m 01 ^s	8 ^h 11 ^m 52 ^s	29 ^h 41 ^m 29 ^s	29 ^h 02 ^m 13 ^s	13 ^h 51 ^m 21 ^s	21 ^h 57 ^m 18 ^s	18 ^h 51 ^m 10 ^s	10 ^h 04 ^m 41 ^s	8 ^h 02 ^m 27 ^s	27 ^h 01 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 07 ^m 16 ^s	16 ^h 01 ^m 15 ^s	S 6
M 7	9 7 43	17 ^h 51 ^m 55 ^s	22 ^h 59 ^m 1 ^s	1 ^h 12 ^m 0 ^s	14 ^h 30 ^m 21 ^s	21 ^h 51 ^m 18 ^s	21 ^h 51 ^m 18 ^s	18 ^h 58 ^m 10 ^s	10 ^h 03 ^m 39 ^s	8 ^h 02 ^m 27 ^s	27 ^h 03 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 13 ^m 16 ^s	16 ^h 01 ^m 12 ^s	M 7
T 8	9 11 39	18 ^h 52 ^m 47 ^s	7 ^h 15 ^m 2 ^s	2 ^h 43 ^m 1 ^s	15 ^h 08 ^m 21 ^s	21 ^h 44 ^m 19 ^s	21 ^h 44 ^m 19 ^s	19 ^h 05 ^m 10 ^s	10 ^h 03 ^m 37 ^s	8 ^h 02 ^m 27 ^s	27 ^h 04 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 20 ^m 16 ^s	16 ^h 00 ^m 9 ^s	T 8
W 9	9 15 36	19 ^h 53 ^m 39 ^s	21 ^h 35 ^m 4 ^s	4 ^h 15 ^m 2 ^s	15 ^h 46 ^m 21 ^s	21 ^h 38 ^m 19 ^s	21 ^h 38 ^m 19 ^s	19 ^h 13 ^m 10 ^s	10 ^h 03 ^m 35 ^s	8 ^h 02 ^m 27 ^s	27 ^h 06 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 27 ^m 16 ^s	16 ^h 00 ^m 6 ^s	W 9
T 10	9 19 32	20 ^h 54 ^m 30 ^s	5 ^h 35 ^m 8 ^s	5 ^h 48 ^m 3 ^s	4 ^h 58 ^m 3 ^s	4 ^h 58 ^m 3 ^s	4 ^h 58 ^m 3 ^s	16 ^h 25 ^m 21 ^s	21 ^h 31 ^m 19 ^s	8 ^h 02 ^m 27 ^s	27 ^h 08 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 34 ^m 16 ^s	16 ^h 00 ^m 2 ^s	T 10
F 11	9 23 29	21 ^h 55 ^m 20 ^s	20 ^h 18 ^m 7 ^s	7 ^h 21 ^m 4 ^s	4 ^h 51 ^m 17 ^s	17 ^h 03 ^m 21 ^s	21 ^h 25 ^m 19 ^s	19 ^h 27 ^m 10 ^s	10 ^h 03 ^m 32 ^s	8 ^h 02 ^m 27 ^s	27 ^h 10 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 40 ^m 15 ^s	15 ^h 59 ^m 5 ^s	F 11
S 12	9 27 25	22 ^h 56 ^m 09 ^s	4 ^h 30 ^m 8 ^s	8 ^h 56 ^m 6 ^s	6 ^h 01 ^m 17 ^s	17 ^h 42 ^m 21 ^s	21 ^h 19 ^m 19 ^s	19 ^h 34 ^m 10 ^s	10 ^h 03 ^m 30 ^s	8 ^h 02 ^m 27 ^s	27 ^h 12 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 47 ^m 15 ^s	15 ^h 56 ^m 5 ^s	S 12
S 13	9 31 22	23 ^h 56 ^m 57 ^s	18 ^h 31 ^m 10 ^s	10 ^h 31 ^m 7 ^s	7 ^h 10 ^m 18 ^s	18 ^h 20 ^m 21 ^s	21 ^h 14 ^m 19 ^s	19 ^h 41 ^m 10 ^s	10 ^h 02 ^m 28 ^s	8 ^h 02 ^m 27 ^s	27 ^h 13 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	5 ^h 54 ^m 15 ^s	15 ^h 53 ^m 5 ^s	S 13
M14	9 35 19	24 ^h 57 ^m 43 ^s	2 ^h 16 ^m 12 ^s	7 ^h 02 ^m 8 ^s	8 ^h 20 ^m 18 ^s	18 ^h 58 ^m 21 ^s	21 ^h 08 ^m 19 ^s	19 ^h 49 ^m 10 ^s	10 ^h 02 ^m 27 ^s	8 ^h 02 ^m 27 ^s	27 ^h 15 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 0 ^m 15 ^s	15 ^h 50 ^m 14 ^s	M14
T 15	9 39 15	25 ^h 58 ^m 28 ^s	15 ^h 43 ^m 13 ^s	9 ^h 29 ^m 13 ^s	9 ^h 29 ^m 13 ^s	13 ^h 43 ^m 19 ^s	19 ^h 37 ^m 21 ^s	21 ^h 03 ^m 19 ^s	19 ^h 56 ^m 10 ^s	8 ^h 02 ^m 27 ^s	27 ^h 17 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 07 ^m 15 ^s	15 ^h 48 ^m 14 ^s	T 15
W16	9 43 12	26 ^h 59 ^m 12 ^s	28 ^h 49 ^m 15 ^s	10 ^h 37 ^m 20 ^s	10 ^h 37 ^m 20 ^s	20 ^h 15 ^m 20 ^s	20 ^h 57 ^m 20 ^s	20 ^h 03 ^m 10 ^s	10 ^h 02 ^m 23 ^s	8 ^h 01 ^m 27 ^s	27 ^h 19 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 14 ^m 15 ^s	15 ^h 45 ^m 14 ^s	W16
T 17	9 47 8	27 ^h 59 ^m 54 ^s	11 ^h 1 ^m 36 ^s	16 ^h 59 ^m 11 ^s	11 ^h 46 ^m 20 ^s	20 ^h 53 ^m 20 ^s	20 ^h 52 ^m 20 ^s	20 ^h 10 ^m 10 ^s	10 ^h 02 ^m 22 ^s	8 ^h 01 ^m 27 ^s	27 ^h 20 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 21 ^m 15 ^s	15 ^h 42 ^m 14 ^s	T 17
F 18	9 51 5	29 ^h 0 ^m 35 ^s	24 ^h 0 ^m 18 ^s	18 ^h 38 ^m 12 ^s	12 ^h 55 ^m 21 ^s	21 ^h 31 ^m 20 ^s	20 ^h 47 ^m 20 ^s	20 ^h 17 ^m 10 ^s	10 ^h 02 ^m 20 ^s	8 ^h 01 ^m 27 ^s	27 ^h 22 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 27 ^m 15 ^s	15 ^h 40 ^m 13 ^s	F 18
S 19	9 55 1	0 ^h 1 ^m 14 ^s	6 ^h 18 ^m 20 ^s	14 ^h 3 ^m 22 ^s	22 ^h 10 ^m 20 ^s	20 ^h 42 ^m 20 ^s	20 ^h 24 ^m 10 ^s	10 ^h 19 ^m 8 ^s	8 ^h 00 ^m 27 ^s	27 ^h 24 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	2 ^h 31 ^m 34 ^s	6 ^h 34 ^m 15 ^s	15 ^h 37 ^m 14 ^s	S 19
S 20	9 58 58	1 ^h 1 ^m 51 ^s	18 ^h 21 ^m 21 ^s	21 ^h 59 ^m 15 ^s	15 ^h 11 ^m 22 ^s	22 ^h 48 ^m 20 ^s	20 ^h 38 ^m 20 ^s	20 ^h 32 ^m 10 ^s	10 ^h 18 ^m 8 ^s	8 ^h 00 ^m 27 ^s	27 ^h 26 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 41 ^m 15 ^s	15 ^h 35 ^m 13 ^s	S 20
M21	10 2 54	2 ^h 2 ^m 27 ^s	0 ^h 11 ^m 15 ^s	23 ^h 40 ^m 16 ^s	16 ^h 19 ^m 23 ^s	23 ^h 26 ^m 20 ^s	20 ^h 33 ^m 20 ^s	20 ^h 39 ^m 10 ^s	10 ^h 16 ^m 8 ^s	8 ^h 00 ^m 27 ^s	27 ^h 27 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 48 ^m 15 ^s	15 ^h 32 ^m 12 ^s	M21
T 22	10 6 51	3 ^h 3 ^m 0 ^s	12 ^h 0 ^m 8 ^s	25 ^h 23 ^m 17 ^s	17 ^h 27 ^m 24 ^s	24 ^h 04 ^m 20 ^s	20 ^h 29 ^m 20 ^s	20 ^h 46 ^m 10 ^s	10 ^h 15 ^m 7 ^s	7 ^h 59 ^m 27 ^s	27 ^h 29 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	6 ^h 54 ^m 15 ^s	15 ^h 30 ^m 11 ^s	T 22
W23	10 10 48	4 ^h 3 ^m 34 ^s	24 ^h 0 ^m 3 ^s	27 ^h 0 ^m 6 ^s	18 ^h 35 ^m 24 ^s	24 ^h 43 ^m 20 ^s	20 ^h 25 ^m 20 ^s	20 ^h 53 ^m 10 ^s	10 ^h 14 ^m 7 ^s	7 ^h 59 ^m 27 ^s	27 ^h 31 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 0 ^m 15 ^s	15 ^h 28 ^m 10 ^s	W23
T 24	10 14 44	5 ^h 4 ^m 04 ^s	6 ^h 4 ^m 3 ^s	28 ^h 50 ^m 19 ^s	19 ^h 42 ^m 25 ^s	25 ^h 21 ^m 20 ^s	20 ^h 21 ^m 21 ^s	21 ^h 0 ^m 10 ^s	10 ^h 13 ^m 7 ^s	7 ^h 58 ^m 27 ^s	27 ^h 33 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 08 ^m 15 ^s	15 ^h 26 ^m 8 ^s	T 24
F 25	10 18 41	6 ^h 4 ^m 33 ^s	18 ^h 16 ^m 0 ^s	0 ^h 36 ^m 20 ^s	20 ^h 49 ^m 25 ^s	25 ^h 59 ^m 20 ^s	20 ^h 17 ^m 21 ^s	21 ^h 0 ^m 10 ^s	10 ^h 11 ^m 7 ^s	7 ^h 58 ^m 27 ^s	27 ^h 34 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 14 ^m 15 ^s	15 ^h 23 ^m 7 ^s	F 25
S 26	10 22 37	7 ^h 5 ^m 00 ^s	0 ^h 43 ^m 2 ^s	2 ^h 22 ^m 21 ^s	21 ^h 56 ^m 26 ^s	26 ^h 37 ^m 20 ^s	20 ^h 13 ^m 21 ^s	21 ^h 14 ^m 10 ^s	10 ^h 10 ^m 7 ^s	7 ^h 57 ^m 27 ^s	27 ^h 36 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 21 ^m 15 ^s	15 ^h 21 ^m 6 ^s	S 26
S 27	10 26 34	8 ^h 5 ^m 25 ^s	13 ^h 27 ^m 4 ^s	4 ^h 9 ^m 23 ^s	23 ^h 03 ^m 27 ^s	27 ^h 15 ^m 20 ^s	20 ^h 10 ^m 21 ^s	21 ^h 21 ^m 10 ^s	10 ^h 9 ^m 7 ^s	7 ^h 56 ^m 27 ^s	27 ^h 38 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 28 ^m 15 ^s	15 ^h 20 ^m 10 ^s	S 27
M28	10 30 30	9 ^h 5 ^m 49 ^s	26 ^h 28 ^m 5 ^s	5 ^h 57 ^m 24 ^s	24 ^h 9 ^m 27 ^s	27 ^h 53 ^m 20 ^s	20 ^h 07 ^m 21 ^s	21 ^h 28 ^m 10 ^s	10 ^h 08 ^m 7 ^s	7 ^h 11 ^m 56 ^s	27 ^h 40 ^m 1 ^s	1 ^h 02 ^m 24 ^s	2 ^h 31 ^m 34 ^s	7 ^h 35 ^m 15 ^s	15 ^h 18 ^m 12 ^s	M28

Day	☉	☽	♀
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ASTRODIENST EPHEMERIS for the year 2287
geocentric

MARCH 2287

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 34 27	10 ^h 6'10	9 ^m 48	7 ^h 46	25 ^h 15	28 ^h 31	20 ^h 4	21 ^h 35	10 ^h 7	7 ^h 55	27 ^h 41	1 ^h 26	1 ^h 5	7 ^h 41	15 ^h 16	T 1
W 2	10 38 23	11 ^h 6'30	23 ^m 25	9 ^h 36	26 ^h 21	29 ^h 9	20 ^h 1	21 ^h 42	10 ^h 6	7 ^h 54	27 ^h 43	1 ^h 26	1 ^h 2	7 ^h 48	15 ^h 14	W 2
T 3	10 42 20	12 ^h 6'49	7 ^m 17	11 ^h 27	27 ^h 27	29 ^h 47	19 ^h 58	21 ^h 49	10 ^h 6	7 ^h 54	27 ^h 45	1 ^h 25	0 ^h 59	7 ^h 55	15 ^h 13	T 3
F 4	10 46 17	13 ^h 7'06	21 ^m 21	13 ^h 18	28 ^h 32	0 ^h 26	19 ^h 56	21 ^h 56	10 ^h 5	7 ^h 53	27 ^h 46	1 ^h 23	0 ^h 56	8 ^h 1	15 ^h 11	F 4
S 5	10 50 13	14 ^h 7'21	5 ^m 32	15 ^h 11	29 ^h 38	1 ^h 4	19 ^h 53	22 ^h 2	10 ^h 4	7 ^h 52	27 ^h 48	1 ^h 22	0 ^h 53	8 ^h 8	15 ^h 10	S 5
S 6	10 54 10	15 ^h 7'35	19 ^m 47	17 ^h 4	0 ^h 43	1 ^h 42	19 ^h 51	22 ^h 9	10 ^h 3	7 ^h 51	27 ^h 50	1 ^h 20	0 ^h 49	8 ^h 15	15 ^h 9	S 6
M 7	10 58 6	16 ^h 7'47	4 ^m 3	18 ^h 59	1 ^h 47	2 ^h 20	19 ^h 50	22 ^h 16	10 ^h 3	7 ^h 50	27 ^h 51	1 ^h 19	0 ^h 46	8 ^h 22	15 ^h 7	M 7
T 8	11 2 3	17 ^h 7'58	18 ^m 16	20 ^h 54	2 ^h 52	2 ^h 58	19 ^h 48	22 ^h 23	10 ^h 2	7 ^h 50	27 ^h 53	1 ^h 19	0 ^h 43	8 ^h 28	15 ^h 6	T 8
W 9	11 5 59	18 ^h 8'08	2 ^m 24	22 ^h 49	3 ^h 56	3 ^h 36	19 ^h 46	22 ^h 30	10 ^h 2	7 ^h 49	27 ^h 55	1 ^h 19	0 ^h 40	8 ^h 35	15 ^h 5	W 9
T 10	11 9 56	19 ^h 8'16	16 ^m 25	24 ^h 45	4 ^h 59	4 ^h 13	19 ^h 45	22 ^h 36	10 ^h 1	7 ^h 48	27 ^h 56	1 ^h 20	0 ^h 37	8 ^h 42	15 ^h 4	T 10
F 11	11 13 52	20 ^h 8'23	0 ^m 18	26 ^h 41	6 ^h 3	4 ^h 51	19 ^h 44	22 ^h 43	10 ^h 1	7 ^h 47	27 ^h 58	1 ^h 22	0 ^h 33	8 ^h 49	15 ^h 4	F 11
S 12	11 17 49	21 ^h 8'28	14 ^m 2	28 ^h 38	7 ^h 6	5 ^h 29	19 ^h 43	22 ^h 50	10 ^h 0	7 ^h 46	28 ^h 0	1 ^h 23	0 ^h 30	8 ^h 55	15 ^h 3	S 12
S 13	11 21 46	22 ^h 8'31	27 ^m 34	0 ^h 34	8 ^h 9	6 ^h 7	19 ^h 42	22 ^h 56	10 ^h 0	7 ^h 45	28 ^h 1	1 ^h 24	0 ^h 27	9 ^h 2	15 ^h 2	S 13
M14	11 25 42	23 ^h 8'32	10 ^m 54	2 ^h 30	9 ^h 11	6 ^h 45	19 ^h 42	23 ^h 3	10 ^h 0	7 ^h 44	28 ^h 3	1 ^h 24	0 ^h 24	9 ^h 9	15 ^h 2	M14
T 15	11 29 39	24 ^h 8'32	24 ^m 1	4 ^h 25	10 ^h 13	7 ^h 23	19 ^h 42	23 ^h 9	10 ^h 0	7 ^h 43	28 ^h 5	1 ^h 22	0 ^h 21	9 ^h 15	15 ^h 1	T 15
W16	11 33 35	25 ^h 8'29	6 ^m 54	6 ^h 20	11 ^h 15	8 ^h 0	19 ^h 42	23 ^h 16	9 ^h 59	7 ^h 42	28 ^h 6	1 ^h 19	0 ^h 18	9 ^h 22	15 ^h 1	W16
T 17	11 37 32	26 ^h 8'25	19 ^m 32	8 ^h 13	12 ^h 16	8 ^h 38	19 ^h 42	23 ^h 22	9 ^h 59	7 ^h 41	28 ^h 8	1 ^h 16	0 ^h 14	9 ^h 29	15 ^h 0	T 17
F 18	11 41 28	27 ^h 8'19	1 ^m 57	10 ^h 5	13 ^h 17	9 ^h 16	19 ^h 42	23 ^h 29	9 ^h 59	7 ^h 39	28 ^h 9	1 ^h 11	0 ^h 11	9 ^h 36	15 ^h 0	F 18
S 19	11 45 25	28 ^h 8'10	14 ^m 9	11 ^h 55	14 ^h 18	9 ^h 54	19 ^h 42	23 ^h 35	9 ^h 59	7 ^h 38	28 ^h 11	1 ^h 7	0 ^h 8	9 ^h 42	15 ^h 0	S 19
S 20	11 49 21	29 ^h 8'00	26 ^m 11	13 ^h 42	15 ^h 18	10 ^h 31	19 ^h 43	23 ^h 41	9 ^h 59	7 ^h 37	28 ^h 13	1 ^h 3	0 ^h 5	9 ^h 49	15 ^h 0	S 20
M21	11 53 18	0 ^h 7'47	8 ^m 11	15 ^h 26	16 ^h 18	11 ^h 9	19 ^h 44	23 ^h 48	9 ^h 59	7 ^h 36	28 ^h 14	0 ^h 59	0 ^h 2	9 ^h 56	15 ^h 0	M21
T 22	11 57 14	1 ^h 7'32	19 ^m 58	17 ^h 7	17 ^h 17	11 ^h 46	19 ^h 45	23 ^h 54	10 ^h 0	7 ^h 35	28 ^h 16	0 ^h 57	29 ^h 59	10 ^h 2	15 ^h 0	T 22
W23	12 1 11	2 ^h 7'15	1 ^m 51	18 ^h 44	18 ^h 16	12 ^h 24	19 ^h 46	24 ^h 0	10 ^h 0	7 ^h 33	28 ^h 17	0 ^h 57	29 ^h 55	10 ^h 9	15 ^h 1	W23
T 24	12 5 8	3 ^h 6'56	13 ^m 51	20 ^h 16	19 ^h 14	13 ^h 1	19 ^h 48	24 ^h 6	10 ^h 0	7 ^h 32	28 ^h 19	0 ^h 57	29 ^h 52	10 ^h 16	15 ^h 1	T 24
F 25	12 9 4	4 ^h 6'35	26 ^m 2	21 ^h 44	20 ^h 12	13 ^h 39	19 ^h 49	24 ^h 12	10 ^h 0	7 ^h 31	28 ^h 20	0 ^h 59	29 ^h 49	10 ^h 23	15 ^h 2	F 25
S 26	12 13 1	5 ^h 6'11	8 ^m 29	23 ^h 6	21 ^h 9	14 ^h 16	19 ^h 51	24 ^h 18	10 ^h 1	7 ^h 30	28 ^h 22	1 ^h 0	29 ^h 46	10 ^h 29	15 ^h 2	S 26
S 27	12 16 57	6 ^h 5'45	21 ^m 16	24 ^h 22	22 ^h 6	14 ^h 54	19 ^h 53	24 ^h 24	10 ^h 1	7 ^h 28	28 ^h 23	1 ^h 2	29 ^h 43	10 ^h 36	15 ^h 3	S 27
M28	12 20 54	7 ^h 5'16	4 ^m 26	25 ^h 33	23 ^h 2	15 ^h 31	19 ^h 55	24 ^h 30	10 ^h 2	7 ^h 27	28 ^h 25	1 ^h 2	29 ^h 39	10 ^h 43	15 ^h 3	M28
T 29	12 24 50	8 ^h 4'46	18 ^m 0	26 ^h 37	23 ^h 58	16 ^h 8	19 ^h 58	24 ^h 36	10 ^h 2	7 ^h 26	28 ^h 26	1 ^h 1	29 ^h 36	10 ^h 50	15 ^h 4	T 29
W30	12 28 47	9 ^h 4'13	1 ^m 57	27 ^h 34	24 ^h 53	16 ^h 45	20 ^h 0	24 ^h 42	10 ^h 3	7 ^h 24	28 ^h 27	0 ^h 58	29 ^h 33	10 ^h 56	15 ^h 5	W30
T 31	12 32 43	10 ^h 3'38	16 ^m 15	28 ^h 24	25 ^h 48	17 ^h 23	20 ^h 3	24 ^h 48	10 ^h 3	7 ^h 23	28 ^h 29	0 ^h 53	29 ^h 30	11 ^h 3	15 ^h 6	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	7s46	7n10	0s46	10s29	1s59	10n49	1n 8	23s23	0n 1	22n17	0n23	15s 9	0s55	23n23	0n22	12s28	1n45	21s 0	9s20	10s57	11s 4	26n36	15n 8	7s27							
W 2	7 23	0 47	1 59	9 45	1 56	11 17	1 13	23 25	0s 0	22 18	0 23	15 7	0 55	23 23	0 22	12 28	1 45	21 0	9 21	10 57	11 5	26 37	15 8	7 26							
T 3	7 0	5s44	3 6	9 0	1 53	11 46	1 18	23 26	0 1	22 18	0 23	15 5	0 55	23 23	0 22	12 27	1 45	20 59	9 21	10 57	11 7	26 38	15 9	7 26							
F 4	6 37	12 3	4 2	8 13	1 49	12 14	1 23	23 27	0 2	22 19	0 23	15 3	0 55	23 23	0 22	12 27	1 45	20 59	9 21	10 58	11 8	26 39	15 10	7 25							
S 5	6 14	17 49	4 44	7 26	1 44	12 42	1 28	23 27	0 3	22 19	0 23	15 0	0 55	23 23	0 22	12 27	1 46	20 58	9 21	10 58	11 9	26 40	15 11	7 25							
S 6	5 51	22 37	5 9	6 37	1 39	13 10	1 33	23 28	0 4	22 19	0 23	14 58	0 55	23 23	0 22	12 27	1 46	20 58	9 21	10 59	11 10	26 41	15 11	7 24							
M 7	5 28	26 5	5 15	5 47	1 33	13 37	1 39	23 29	0 5	22 20	0 23	14 56	0 55	23 23	0 22	12 26	1 46	20 57	9 21	10 59	11 11	26 42	15 12	7 24							
T 8	5 4	27 54	5 2	4 56	1 27	14 4	1 44	23 29	0 7	22 20	0 23	14 54	0 55	23 23	0 22	12 26	1 46	20 57	9 21	10 59	11 12	26 43	15 13	7 23							
W 9	4 41	27 54	4 31	4 4	1 20	14 31	1 49	23 29	0 8	22 20	0 23	14 52	0 55	23 23	0 22	12 26	1 46	20 56	9 21	10 59	11 13	26 44	15 13	7 22							
T 10	4 18	26 5	3 43	3 12	1 12	14 58	1 54	23 29	0 9	22 20	0 23	14 50	0 55	23 23	0 22	12 25	1 46	20 56	9 22	10 59	11 14	26 45	15 14	7 22							
F 11	3 54	22 43	2 43	2 18	1 4	15 24	1 59	23 29	0 10	22 21	0 24	14 48	0 56	23 23	0 22	12 25	1 46	20 56	9 22	10 58	11 16	26 46	15 15	7 21							
S 12	3 30	18 6	1 34	1 24	0 56	15 50	2 5	23 28	0 11	22 21	0 24	14 46	0 56	23 23	0 22	12 25	1 46	20 55	9 22	10 58	11 17	26 47	15 15	7 21							
S 13	3 7	12 38	0 21	0 29	0 47	16 15	2 10	23 28	0 12	22 21	0 24	14 44	0 56	23 23	0 22	12 24	1 46	20 55	9 22	10 58	11 18	26 48	15 16	7 20							
M14	2 43	6 40	0n52	0n26	0 37	16 40	2 15	23 27	0 13	22 21	0 24	14 42	0 56	23 23	0 22	12 24	1 46	20 54	9 22	10 58	11 19	26 49	15 17	7 19							
T 15	2 19	0 31	2 1	1 21	0 27	17 5	2 20	23 26	0 14	22 21	0 24	14 40	0 56	23 23	0 22	12 23	1 46	20 54	9 22	10 58	11 20	26 50	15 17	7 19							
W16	1 56	5n32	3 3	2 16	0 16	17 29	2 26	23 25	0 15	22 21	0 24	14 38	0 56	23 23	0 22	12 23	1 46	20 53	9 22	10 59	11 21	26 51	15 18	7 18							
T 17	1 32	11 15	3 54	3 11	0 5	17 53	2 31	23 24	0 16	22 21	0 24	14 36	0 56	23 23	0 22	12 23	1 46	20 53	9 23	11 1	11 22	26 52	15 19	7 18							
F 18	1 8	16 24	4 33	4 6	0n 7	18 17	2 36	23 22	0 18	22 21	0 24	14 34	0 56	23 23	0 22	12 22	1 46	20 53	9 23	11 2	11 23	26 52	15 19	7 17							
S 19	0 44	20 49	4 59	5 0	0 19	18 40	2 41	23 21	0 19	22 21	0 24	14 32	0 56	23 23	0 22	12 22	1 46	20 52	9 23	11 4	11 25	26 53	15 20	7 16							
S 20	0 21	24 19	5 12	5 53	0 31	19 3	2 47	23 19	0 20	22 21	0 24	14 30	0 57	23 23	0 22	12 21	1 46	20 52	9 23	11 5	11 26	26 54	15 20	7 16							
M21	0n 3	26 44	5 10	6 45	0 44	19 26	2 52	23 17	0 21	22 21	0 24	14 28	0 57	23 23	0 22	12 21	1 46	20 51	9 23	11 6	11 27	26 55	15 21	7 15							
T 22	0 27	27 56	4 56	7 35	0 57	19 48	2 57	23 15	0 22	22 21	0 24	14 26	0 57	23 23	0 22	12 21	1 46	20 51	9 24	11 7	11 28	26 56	15 22	7 15							
W23	0 51	27 52	4 29	8 24	1 9	20 9	3 2	23 13	0 24	22 21	0 24	14 24	0 57	23 23	0 22	12 20	1 46	20 51	9 24	11 7	11 29	26 57	15 22	7 14							
T 24	1 14	26 29	3 49	9 11	1 22	20 30	3 7	23 11	0 25	22 21	0 24	14 22	0 57	23 23	0 22	12 20	1 46	20 50	9 24	11 7	11 30	26 58	15 23	7 13							
F 25	1 38	23 51	2 59	9 55	1 35	20 51	3 12	23 8	0 26	22 20	0 24	14 20	0 57	23 23	0 22	12 19	1 46	20 50	9 24	11 7	11 31	26 59	15 23	7 13							
S 26	2 1	20 3	2 0	10 37	1 47	21 11	3 17	23 6	0 27	22 20	0 24	14 18	0 57	23 23	0 22	12 19	1 46	20 50	9 24	11 6	11 32	26 59	15 24	7 12							
S 27	2 25	15 14	0 53	11 17	1 59	21 31	3 22	23 3	0 29	22 20	0 24	14 16	0 57	23 23	0 22	12 18	1 46	20 49	9 24	11 6	11 33	27 0	15 25	7 11							
M28	2 49	9 35	0s19	11 53	2 10	21 51	3 27	23 0	0 30	22 20	0 24	14 14	0 58	23 23	0 22	12 18	1 46	20 49	9 25	11 5	11 35	27 1	15 25	7 11							
T 29	3 12	3 20	1 31	12 27	2 21	22 10	3 32	22 57	0 31	22 19	0 24	14 12	0 58	23 23	0 22	12 17	1 47	20 49	9 25	11 6	11 36	27 2	15 26	7 10							
W30	3 35	3s13	2 40	12 57	2 32	22 28	3 37	22 54	0 33	22 19	0 24	14 11	0 58	23 23	0 22	12 17	1 47	20 48	9 25	11 7	11 37	27 3	15 26	7 10							
T 31	3n59	9s46	3s41	13n24	2n41	22n46	3n42	22s50	0 34	22n19	0n24	14s 9	0 58	23n23	0n22	12s16	1n47	20s48	9s25	11s 9	11s38	27n 3	15n27	7s 9							

ASTRODIENST EPHEMERIS for the year 2287

geocentric

APRIL 2287

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 36 40	11° 30' 01"	0° 47' 47"	29° 08' 42"	26° 42' 42"	18° 00' 00"	20° 06' 06"	24° 54' 54"	10° 04' 04"	7° 21' 21"	28° 30' 30"	0° 47' 47"	29° 27' 27"	11° 10' 10"	15° 07' 07"	F 1
S 2	12 40 37	12° 22' 23"	15° 28' 28"	29° 43' 43"	27° 35' 35"	18° 37' 37"	20° 09' 09"	24° 59' 59"	10° 05' 05"	7° 20' 20"	28° 31' 31"	0° 44' 44"	29° 24' 24"	11° 16' 16"	15° 09' 09"	S 2
S 3	12 44 33	13° 14' 42"	0° 09' 09"	0° 08' 12"	28° 28' 28"	19° 14' 14"	20° 13' 13"	25° 05' 05"	10° 06' 06"	7° 18' 18"	28° 33' 33"	0° 35' 35"	29° 20' 20"	11° 23' 23"	15° 10' 10"	S 3
M 4	12 48 30	14° 10' 00"	14° 45' 45"	0° 32' 32"	29° 19' 19"	19° 51' 51"	20° 16' 16"	25° 10' 10"	10° 07' 07"	7° 17' 17"	28° 34' 34"	0° 30' 30"	29° 17' 17"	11° 30' 30"	15° 11' 11"	M 4
T 5	12 52 26	15° 01' 16"	15° 59' 59"	0° 46' 46"	0° 08' 11"	20° 28' 28"	20° 20' 20"	25° 16' 16"	10° 08' 08"	7° 16' 16"	28° 35' 35"	0° 27' 27"	29° 14' 14"	11° 37' 37"	15° 13' 13"	T 5
W 6	12 56 23	15° 59' 31"	13° 38' 38"	0° 52' 52"	1° 01' 01"	21° 05' 05"	20° 24' 24"	25° 21' 21"	10° 09' 09"	7° 14' 14"	28° 37' 37"	0° 26' 26"	29° 11' 11"	11° 43' 43"	15° 14' 14"	W 6
T 7	13 00 19	16° 58' 43"	27° 11' 11"	0° 51' 51"	1° 51' 51"	21° 42' 42"	20° 28' 28"	25° 27' 27"	10° 10' 10"	7° 13' 13"	28° 38' 38"	0° 26' 26"	29° 08' 08"	11° 50' 50"	15° 16' 16"	T 7
F 8	13 04 16	17° 57' 54"	10° 49' 49"	0° 43' 43"	2° 40' 40"	22° 19' 19"	20° 32' 32"	25° 32' 32"	10° 11' 11"	7° 11' 11"	28° 39' 39"	0° 27' 27"	29° 05' 05"	11° 57' 57"	15° 18' 18"	F 8
S 9	13 08 12	18° 57' 03"	24° 11' 11"	0° 28' 28"	3° 28' 28"	22° 56' 56"	20° 36' 36"	25° 37' 37"	10° 12' 12"	7° 10' 10"	28° 41' 41"	0° 28' 28"	29° 01' 01"	12° 03' 03"	15° 19' 19"	S 9
S 10	13 12 09	19° 56' 11"	7° 20' 20"	0° 07' 07"	4° 15' 15"	23° 32' 32"	20° 41' 41"	25° 42' 42"	10° 13' 13"	7° 08' 08"	28° 42' 42"	0° 28' 28"	28° 58' 58"	12° 10' 10"	15° 21' 21"	S 10
M 11	13 16 06	20° 55' 16"	20° 17' 17"	29° 41' 41"	5° 01' 01"	24° 09' 09"	20° 45' 45"	25° 48' 48"	10° 14' 14"	7° 06' 06"	28° 43' 43"	0° 26' 26"	28° 55' 55"	12° 17' 17"	15° 23' 23"	M 11
T 12	13 20 02	21° 54' 20"	3° 03' 03"	29° 09' 09"	5° 47' 47"	24° 46' 46"	20° 50' 50"	25° 53' 53"	10° 15' 15"	7° 05' 05"	28° 44' 44"	0° 22' 22"	28° 52' 52"	12° 24' 24"	15° 25' 25"	T 12
W 13	13 23 59	22° 53' 21"	15° 37' 37"	28° 33' 33"	6° 31' 31"	25° 22' 22"	20° 55' 55"	25° 58' 58"	10° 17' 17"	7° 03' 03"	28° 45' 45"	0° 15' 15"	28° 49' 49"	12° 30' 30"	15° 28' 28"	W 13
T 14	13 27 55	23° 52' 21"	28° 02' 02"	27° 53' 53"	7° 15' 15"	25° 59' 59"	21° 00' 00"	26° 02' 02"	10° 18' 18"	7° 02' 02"	28° 46' 46"	0° 06' 06"	28° 45' 45"	12° 37' 37"	15° 30' 30"	T 14
F 15	13 31 52	24° 51' 18"	10° 17' 17"	27° 11' 11"	7° 57' 57"	26° 35' 35"	21° 06' 06"	26° 07' 07"	10° 19' 19"	7° 00' 00"	28° 48' 48"	29° 36' 36"	28° 42' 42"	12° 44' 44"	15° 32' 32"	F 15
S 16	13 35 48	25° 50' 14"	22° 23' 23"	26° 27' 27"	8° 39' 39"	27° 12' 12"	21° 11' 11"	26° 12' 12"	10° 21' 21"	6° 59' 59"	28° 49' 49"	29° 45' 45"	28° 39' 39"	12° 50' 50"	15° 35' 35"	S 16
S 17	13 39 45	26° 49' 07"	4° 11' 11"	25° 42' 42"	9° 19' 19"	27° 48' 48"	21° 17' 17"	26° 17' 17"	10° 22' 22"	6° 57' 57"	28° 50' 50"	29° 35' 35"	28° 36' 36"	12° 57' 57"	15° 37' 37"	S 17
M 18	13 43 41	27° 47' 59"	16° 14' 14"	24° 56' 56"	9° 58' 58"	28° 24' 24"	21° 23' 23"	26° 21' 21"	10° 24' 24"	6° 55' 55"	28° 51' 51"	29° 26' 26"	28° 33' 33"	13° 04' 04"	15° 40' 40"	M 18
T 19	13 47 38	28° 46' 48"	28° 05' 05"	24° 12' 12"	10° 36' 36"	29° 00' 00"	21° 29' 29"	26° 26' 26"	10° 25' 25"	6° 54' 54"	28° 52' 52"	29° 19' 19"	28° 30' 30"	13° 11' 11"	15° 42' 42"	T 19
W 20	13 51 35	29° 45' 35"	9° 55' 55"	23° 28' 28"	11° 13' 13"	29° 36' 36"	21° 35' 35"	26° 30' 30"	10° 27' 27"	6° 52' 52"	28° 53' 53"	29° 15' 15"	28° 26' 26"	13° 17' 17"	15° 45' 45"	W 20
T 21	13 55 31	0° 44' 20"	21° 55' 55"	22° 47' 47"	11° 48' 48"	0° 42' 42"	21° 41' 41"	26° 35' 35"	10° 29' 29"	6° 50' 50"	28° 54' 54"	29° 13' 13"	28° 23' 23"	13° 24' 24"	15° 48' 48"	T 21
F 22	13 59 28	1° 43' 03"	4° 02' 02"	22° 09' 09"	12° 22' 22"	0° 48' 48"	21° 48' 48"	26° 39' 39"	10° 31' 31"	6° 49' 49"	28° 55' 55"	29° 12' 12"	28° 20' 20"	13° 31' 31"	15° 51' 51"	F 22
S 23	14 03 24	2° 41' 43"	16° 26' 26"	21° 34' 34"	12° 55' 55"	1° 24' 24"	21° 54' 54"	26° 43' 43"	10° 32' 32"	6° 47' 47"	28° 56' 56"	29° 13' 13"	28° 17' 17"	13° 37' 37"	15° 54' 54"	S 23
S 24	14 07 21	3° 40' 21"	29° 11' 11"	21° 03' 03"	13° 26' 26"	2° 00' 00"	22° 01' 01"	26° 48' 48"	10° 34' 34"	6° 46' 46"	28° 57' 57"	29° 13' 13"	28° 14' 14"	13° 44' 44"	15° 57' 57"	S 24
M 25	14 11 17	4° 38' 57"	12° 10' 10"	20° 37' 37"	13° 55' 55"	2° 35' 35"	22° 08' 08"	26° 52' 52"	10° 36' 36"	6° 44' 44"	28° 57' 57"	29° 13' 13"	28° 10' 10"	13° 51' 51"	16° 00' 00"	M 25
T 26	14 15 14	5° 37' 30"	25° 07' 07"	20° 15' 15"	14° 24' 24"	3° 11' 11"	22° 15' 15"	26° 56' 56"	10° 38' 38"	6° 42' 42"	28° 58' 58"	29° 10' 10"	28° 07' 07"	13° 58' 58"	16° 03' 03"	T 26
W 27	14 19 10	6° 36' 02"	10° 02' 02"	19° 58' 58"	14° 50' 50"	3° 47' 47"	22° 22' 22"	27° 00' 00"	10° 40' 40"	6° 41' 41"	28° 59' 59"	29° 05' 05"	28° 04' 04"	14° 04' 04"	16° 07' 07"	W 27
T 28	14 23 07	7° 34' 32"	24° 35' 35"	19° 46' 46"	15° 15' 15"	4° 22' 22"	22° 29' 29"	27° 04' 04"	10° 42' 42"	6° 39' 39"	29° 00' 00"	28° 57' 57"	28° 01' 01"	14° 11' 11"	16° 10' 10"	T 28
F 29	14 27 04	8° 32' 59"	9° 11' 11"	19° 38' 38"	15° 38' 38"	4° 57' 57"	22° 37' 37"	27° 07' 07"	10° 44' 44"	6° 37' 37"	29° 01' 01"	28° 48' 48"	27° 58' 58"	14° 18' 18"	16° 14' 14"	F 29
S 30	14 31 00	9° 31' 25"	24° 11' 11"	19° 03' 03"	15° 11' 11"	5° 32' 32"	22° 44' 44"	27° 11' 11"	10° 46' 46"	6° 36' 36"	29° 02' 02"	28° 37' 37"	27° 55' 55"	14° 25' 25"	16° 17' 17"	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
F 1	4n22	15s55	4s28	13n47	2n49	23n 3	3n46	22s47	0s36	22n18	0n24	14s 7	0s58	23n23	0n22	12s16	1n47	20s48	9s26	11s11	11s39	27n 4	15n27	7s 8	
S 2	4 45	21 12	4 58	14 7	2 57	23 20	3 51	22 43	0 37	22 18	0 24	14 5	0 58	23 23	0 22	12 15	1 47	20 47	9 26	11 13	11 40	27 5	15 28	7 8	
S 3	5 8	25 11	5 9	14 23	3 3	23 37	3 56	22 40	0 38	22 17	0 24	14 4	0 58	23 23	0 22	12 15	1 47	20 47	9 26	11 15	11 41	27 6	15 28	7 7	
M 4	5 31	27 29	4 59	14 35	3 9	23 53	4 0	22 36	0 40	22 17	0 24	14 2	0 58	23 23	0 22	12 14	1 47	20 47	9 26	11 17	11 42	27 7	15 29	7 6	
T 5	5 54	27 55	4 31	14 44	3 13	24 8	4 5	22 32	0 41	22 16	0 25	14 0	0 59	23 23	0 22	12 14	1 47	20 47	9 26	11 18	11 43	27 7	15 29	7 6	
W 6	6 17	26 30	3 47	14 48	3 15	24 23	4 9	22 27	0 43	22 16	0 25	13 58	0 59	23 23	0 22	12 13	1 47	20 46	9 27	11 18	11 45	27 8	15 30	7 5	
T 7	6 40	23 28	2 50	14 49	3 16	24 38	4 13	22 23	0 44	22 15	0 25	13 57	0 59	23 22	0 22	12 13	1 47	20 46	9 27	11 18	11 46	27 9	15 30	7 5	
F 8	7 2	19 10	1 44	14 45	3 16	24 52	4 17	22 19	0 46	22 15	0 25	13 55	0 59	23 22	0 22	12 12	1 47	20 46	9 27	11 18	11 47	27 10	15 30	7 4	
S 9	7 25	13 58	0 34	14 38	3 14	25 5	4 21	22 14	0 47	22 14	0 25	13 53	0 59	23 22	0 22	12 12	1 47	20 46	9 27	11 17	11 48	27 10	15 31	7 3	
S 10	7 47	8 14	0n37	14 28	3 10	25 18	4 25	22 9	0 49	22 13	0 25	13 52	0 59	23 22	0 22	12 11	1 47	20 46	9 28	11 17	11 49	27 11	15 31	7 3	
M11	8 9	2 14	1 45	14 13	3 5	25 31	4 29	22 4	0 50	22 13	0 25	13 50	0 59	23 22	0 22	12 11	1 47	20 45	9 28	11 18	11 50	27 12	15 32	7 2	
T 12	8 31	3n45	2 46	13 56	2 58	25 43	4 33	21 59	0 52	22 12	0 25	13 49	1 0	23 22	0 22	12 10	1 47	20 45	9 28	11 20	11 51	27 12	15 32	7 2	
W13	8 53	9 29	3 38	13 35	2 49	25 54	4 37	21 54	0 53	22 11	0 25	13 47	1 0	23 22	0 22	12 10	1 47	20 45	9 28	11 22	11 52	27 13	15 32	7 1	
T 14	9 15	14 47	4 19	13 11	2 39	26 5	4 40	21 49	0 55	22 10	0 25	13 46	1 0	23 22	0 22	12 9	1 47	20 45	9 29	11 25	11 53	27 14	15 33	7 0	
F 15	9 37	19 25	4 47	12 45	2 28	26 16	4 43	21 44	0 57	22 10	0 25	13 44	1 0	23 22	0 22	12 9	1 47	20 45	9 29	11 29	11 54	27 14	15 33	7 0	
S 16	9 58	23 12	5 2	12 18	2 15	26 26	4 46	21 38	0 58	22 9	0 25	13 43	1 0	23 22	0 21	12 8	1 47	20 44	9 29	11 32	11 56	27 15	15 33	6 59	
S 17	10 19	25 57	5 3	11 48	2 2	26 35	4 49	21 33	1 0	22 8	0 25	13 41	1 0	23 21	0 21	12 8	1 47	20 44	9 29	11 36	11 57	27 16	15 34	6 59	
M18	10 41	27 32	4 52	11 18	1 47	26 44	4 52	21 27	1 2	22 7	0 25	13 40	1 0	23 21	0 21	12 7	1 47	20 44	9 30	11 39	11 58	27 16	15 34	6 58	
T 19	11 2	27 51	4 27	10 47	1 31	26 52	4 55	21 22	1 3	22 6	0 25	13 38	1 1	23 21	0 21	12 7	1 47	20 44	9 30	11 42	11 59	27 17	15 34	6 57	
W20	11 22	26 53	3 51	10 16	1 15	27 0	4 58	21 16	1 5	22 5	0 25	13 37	1 1	23 21	0 21	12 6	1 47	20 44	9 30	11 43	12 0	27 18	15 34	6 57	
T 21	11 43	24 40	3 5	9 45	0 59	27 7	5 0	21 10	1 7	22 4	0 25	13 36	1 1	23 21	0 21	12 6	1 47	20 44	9 31	11 44	12 1	27 18	15 35	6 56	
F 22	12 3	21 19	2 10	9 16	0 42	27 14	5 2	21 4	1 8	22 3	0 25	13 34	1 1	23 21	0 21	12 5	1 47	20 44	9 31	11 44	12 2	27 19	15 35	6 56	
S 23	12 23	16 58	1 8	8 47	0 25	27 20	5 4	20 58	1 10	22 2	0 25	13 33	1 1	23 21	0 21	12 4	1 47	20 44	9 31	11 44	12 3	27 20	15 35	6 55	
S 24	12 43	11 45	0 0	8 20	0 8	27 26	5 5	20 51	1 12	22 1	0 25	13 32	1 1	23 20	0 21	12 4	1 47	20 44	9 31	11 44	12 4	27 20	15 35	6 55	
M25	13 3	5 51	1s 9	7 55	0s 8	27 31	5 7	20 45	1 14	22 0	0 25	13 30	1 2	23 20	0 21	12 3	1 47	20 44	9 32	11 44	12 5	27 21	15 36	6 54	
T 26	13 23	0s30	2 17	7 32	0 24	27 35	5 8	20 39	1 16	21 59	0 25	13 29	1 2	23 20	0 21	12 3	1 47	20 44	9 32	11 45	12 7	27 21	15 36	6 53	
W27	13 42	7 1	3 19	7 11	0 40	27 39	5 9	20 32	1 18	21 58	0 25	13 28	1 2	23 20	0 21	12 2	1 47	20 43	9 32	11 47	12 8	27 22	15 36	6 53	
T 28	14 1	13 23	4 10	6 52	0 55	27 43	5 10	20 26	1 19	21 57	0 25	13 27	1 2	23 20	0 21	12 2	1 47	20 43	9 32	11 49	12 9	27 23	15 36	6 52	
F 29	14 20	19 7	4 45	6 36	1 9	27 46	5 10	20 19	1 21	21 56	0 25	13 26	1 2	23 20	0 21	12 1	1 47	20 43	9 33	11 53	12 10	27 23	15 36	6 52	
S 30	14n39	23s44	5s 1	6n23	1s23	27n48	5n10	20s12	1s23	21n54	0n25	13s25	1s 2	23n19	0n21	12s 1	1n47	20s43	9s33	11s56	12s11	27n24	15n36	6s51	

ASTRODIENST EPHEMERIS for the year 2287
geocentric

MAY 2287

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Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 57	10♌29'49	9♊37	19♍39	16♋18	6♈8	22♏52	27♎15	10♏48	6♈34	29♎2	28♈R27	27♎51	14♋31	16♏21	S 1
M 2	14 38 53	11°28'12	24°35	19°47	16°36	6°43	23° 0	27°18	10°51	6♋32	29° 3	28♎19	27°48	14°38	16°24	M 2
T 3	14 42 50	12°26'33	9♊17	19°59	16°51	7°18	23° 8	27°22	10°53	6°31	29° 4	28°13	27°45	14°45	16°28	T 3
W 4	14 46 46	13°24'52	23°38	20°17	17° 4	7°52	23°16	27°25	10°55	6°29	29° 5	28°10	27°42	14°51	16°32	W 4
T 5	14 50 43	14°23'10	7♎35	20°38	17°16	8°27	23°24	27°28	10°57	6°28	29° 5	28° 8	27°39	14°58	16°36	T 5
F 6	14 54 39	15°21'26	21°10	21° 4	17°25	9° 2	23°32	27°32	11° 0	6°26	29° 6	28° 8	27°36	15° 5	16°40	F 6
S 7	14 58 36	16°19'41	4♋24	21°35	17°32	9°36	23°41	27°35	11° 2	6°24	29° 6	28° 8	27°32	15°12	16°44	S 7
S 8	15 2 33	17°17'54	17°20	22° 9	17°36	10°11	23°49	27°38	11° 5	6°23	29° 7	28° 7	27°29	15°18	16°48	S 8
M 9	15 6 29	18°16'06	0♏1	22°48	17°39	10°45	23°58	27°41	11° 7	6°21	29° 8	28° 4	27°26	15°25	16°52	M 9
T 10	15 10 26	19°14'17	12°30	23°30	17°R39	11°19	24° 7	27°43	11°10	6°20	29° 8	27°57	27°23	15°32	16°56	T 10
W11	15 14 22	20°12'25	24°50	24°16	17°36	11°53	24°15	27°46	11°12	6°18	29° 9	27°48	27°20	15°38	17° 1	W11
T 12	15 18 19	21°10'33	7♊1	25° 5	17°32	12°27	24°25	27°49	11°15	6°16	29° 9	27°37	27°16	15°45	17° 5	T 12
F 13	15 22 15	22° 8'38	19° 5	25°58	17°24	13° 1	24°34	27°51	11°17	6°15	29°10	27°23	27°13	15°52	17°10	F 13
S 14	15 26 12	23° 6'43	1♋4	26°53	17°15	13°34	24°43	27°54	11°20	6°13	29°10	27° 9	27°10	15°59	17°14	S 14
S 15	15 30 8	24° 4'45	12°58	27°52	17° 3	14° 8	24°52	27°56	11°23	6°12	29°10	26°55	27° 7	16° 5	17°19	S 15
M16	15 34 5	25° 2'46	24°49	28°54	16°48	14°41	25° 2	27°59	11°25	6°10	29°11	26°43	27° 4	16°12	17°23	M16
T 17	15 38 2	26° 0'45	6♏39	29°59	16°31	15°14	25°11	28° 1	11°28	6° 9	29°11	26°34	27° 1	16°19	17°28	T 17
W18	15 41 58	26°58'43	18°31	1♋6	16°12	15°47	25°21	28° 3	11°31	6° 7	29°11	26°27	26°57	16°25	17°33	W18
T 19	15 45 55	27°56'39	0♋28	2°17	15°51	16°20	25°31	28° 5	11°34	6° 6	29°12	26°23	26°54	16°32	17°38	T 19
F 20	15 49 51	28°54'33	12°35	3°30	15°27	16°52	25°41	28° 7	11°37	6° 4	29°12	26°21	26°51	16°39	17°42	F 20
S 21	15 53 48	29°52'25	24°57	4°45	15° 1	17°25	25°50	28° 9	11°39	6° 3	29°12	26°20	26°48	16°46	17°47	S 21
S 22	15 57 44	0♋50'15	7♋37	6° 3	14°33	17°57	26° 1	28°10	11°42	6° 1	29°13	26°20	26°45	16°52	17°52	S 22
M23	16 1 41	1°48'04	20°42	7°24	14° 4	18°29	26°11	28°12	11°45	6° 0	29°13	26°19	26°42	16°59	17°57	M23
T 24	16 5 37	2°45'51	4♋14	8°46	13°32	19° 1	26°21	28°14	11°48	5°58	29°13	26°17	26°38	17° 6	18° 2	T 24
W25	16 9 34	3°43'36	18°17	10°12	12°59	19°33	26°31	28°15	11°51	5°57	29°13	26°11	26°35	17°12	18° 8	W25
T 26	16 13 31	4°41'20	2♋49	11°39	12°25	20° 4	26°42	28°16	11°54	5°56	29°13	26° 4	26°32	17°19	18°13	T 26
F 27	16 17 27	5°39'02	17°45	13° 9	11°49	20°36	26°52	28°18	11°57	5°54	29°13	25°54	26°29	17°26	18°18	F 27
S 28	16 21 24	6°36'43	2♊58	14°42	11°13	21° 7	27° 3	28°19	12° 0	5°53	29°13	25°44	26°26	17°33	18°23	S 28
S 29	16 25 20	7°34'23	18°17	16°17	10°36	21°38	27°13	28°20	12° 4	5°51	29°13	25°33	26°22	17°39	18°29	S 29
M30	16 29 17	8°32'02	3♋30	17°54	9°58	22° 9	27°24	28°21	12° 7	5°50	29°13	25°24	26°19	17°46	18°34	M30
T 31	16 33 13	9♋29'39	18♋28	19♋33	9♋20	22♋39	27♋35	28♋22	12♋10	5♋49	29°R13	25♋18	26♋16	17♋53	18♋39	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
S 1	14n57	26s44	4s56	6n12	1s36	27n50	5n10	20s 5	1s25	21n53	0n25	13s23	1s 3	23n19	0n21	12s 0	1n47	20s43	9s33	12s 0	12s12	27n24	15n37	6s51					
M 2	15 15	27 48	4 31	6 3	1 48	27 51	5 9	19 58	1 27	21 52	0 25	13 22	1 3	23 19	0 21	12 0	1 47	20 43	9 34	12 2	12 13	27 25	15 37	6 50					
T 3	15 33	26 52	3 48	5 57	1 59	27 52	5 8	19 52	1 29	21 51	0 25	13 21	1 3	23 19	0 21	11 59	1 47	20 43	9 34	12 5	12 14	27 25	15 37	6 50					
W 4	15 51	24 10	2 52	5 54	2 10	27 52	5 7	19 44	1 31	21 49	0 25	13 20	1 3	23 19	0 21	11 59	1 47	20 43	9 34	12 6	12 15	27 26	15 37	6 49					
T 5	16 8	20 4	1 47	5 53	2 20	27 51	5 5	19 37	1 33	21 48	0 25	13 19	1 3	23 18	0 21	11 58	1 47	20 44	9 35	12 6	12 16	27 26	15 37	6 49					
F 6	16 25	15 0	0 37	5 55	2 28	27 50	5 3	19 30	1 35	21 46	0 25	13 18	1 3	23 18	0 21	11 58	1 47	20 44	9 35	12 6	12 17	27 27	15 37	6 48					
S 7	16 42	9 22	0n33	5 59	2 36	27 48	5 0	19 23	1 37	21 45	0 25	13 18	1 4	23 18	0 21	11 57	1 47	20 44	9 35	12 6	12 19	27 27	15 37	6 48					
S 8	16 58	3 28	1 40	6 5	2 44	27 46	4 57	19 16	1 39	21 44	0 26	13 17	1 4	23 18	0 21	11 56	1 47	20 44	9 35	12 7	12 20	27 28	15 37	6 47					
M 9	17 15	2n27	2 40	6 13	2 50	27 42	4 54	19 9	1 42	21 42	0 26	13 16	1 4	23 18	0 21	11 56	1 47	20 44	9 36	12 8	12 21	27 28	15 37	6 47					
T 10	17 31	8 11	3 31	6 24	2 55	27 38	4 50	19 1	1 44	21 41	0 26	13 15	1 4	23 17	0 21	11 55	1 47	20 44	9 36	12 10	12 22	27 29	15 37	6 46					
W11	17 46	13 30	4 12	6 36	3 0	27 34	4 45	18 54	1 46	21 39	0 26	13 14	1 4	23 17	0 21	11 55	1 47	20 44	9 36	12 13	12 23	27 29	15 37	6 46					
T 12	18 2	18 15	4 41	6 50	3 4	27 28	4 41	18 46	1 48	21 38	0 26	13 13	1 4	23 17	0 21	11 54	1 47	20 44	9 37	12 17	12 24	27 30	15 37	6 45					
F 13	18 17	22 13	4 56	7 6	3 7	27 22	4 35	18 39	1 50	21 36	0 26	13 13	1 5	23 17	0 21	11 54	1 47	20 44	9 37	12 22	12 25	27 30	15 37	6 45					
S 14	18 31	25 13	4 59	7 24	3 10	27 15	4 29	18 31	1 53	21 34	0 26	13 12	1 5	23 16	0 21	11 53	1 47	20 44	9 37	12 27	12 26	27 31	15 37	6 44					
S 15	18 46	27 5	4 48	7 43	3 12	27 8	4 23	18 24	1 55	21 33	0 26	13 11	1 5	23 16	0 21	11 53	1 47	20 44	9 38	12 31	12 27	27 31	15 36	6 44					
M16	19 0	27 43	4 25	8 4	3 13	26 59	4 15	18 16	1 57	21 31	0 26	13 11	1 5	23 16	0 21	11 52	1 47	20 45	9 38	12 35	12 28	27 32	15 36	6 43					
T 17	19 14	27 4	3 50	8 26	3 13	26 50	4 8	18 9	2 0	21 29	0 26	13 10	1 5	23 16	0 21	11 52	1 47	20 45	9 38	12 39	12 29	27 32	15 36	6 43					
W18	19 27	25 11	3 5	8 50	3 13	26 40	4 0	18 1	2 2	21 28	0 26	13 10	1 6	23 16	0 21	11 52	1 47	20 45	9 38	12 41	12 31	27 32	15 36	6 43					
T 19	19 40	22 10	2 12	9 15	3 12	26 29	3 51	17 54	2 4	21 26	0 26	13 9	1 6	23 15	0 21	11 51	1 47	20 45	9 39	12 42	12 32	27 33	15 36	6 42					
F 20	19 53	18 9	1 12	9 41	3 10	26 17	3 41	17 46	2 7	21 24	0 26	13 9	1 6	23 15	0 21	11 51	1 47	20 45	9 39	12 43	12 33	27 33	15 36	6 42					
S 21	20 6	13 18	0 7	10 8	3 8	26 4	3 31	17 38	2 9	21 22	0 26	13 8	1 6	23 15	0 21	11 50	1 47	20 45	9 39	12 43	12 34	27 34	15 35	6 41					
S 22	20 18	7 47	0s59	10 36	3 5	25 50	3 21	17 31	2 12	21 20	0 26	13 8	1 6	23 15	0 21	11 50	1 47	20 46	9 40	12 43	12 35	27 34	15 35	6 41					
M23	20 29	1 46	2 5	11 6	3 2	25 36	3 10	17 23	2 14	21 19	0 26	13 7	1 6	23 14	0 21	11 49	1 47	20 46	9 40	12 43	12 36	27 34	15 35	6 40					
T 24	20 41	4s32	3 6	11 36	2 57	25 21	2 58	17 16	2 17	21 17	0 26	13 7	1 7	23 14	0 21	11 49	1 47	20 46	9 40	12 44	12 37	27 35	15 35	6 40					
W25	20 52	10 49	3 58	12 7	2 53	25 5	2 47	17 8	2 19	21 15	0 26	13 7	1 7	23 14	0 21	11 48	1 47	20 46	9 41	12 46	12 38	27 35	15 35	6 40					
T 26	21 3	16 45	4 37	12 39	2 48	24 48	2 34	17 0	2 22	21 13	0 26	13 6	1 7	23 13	0 21	11 48	1 47	20 47	9 41	12 49	12 39	27 35	15 34	6 39					
F 27	21 13	21 51	4 58	13 11	2 42	24 30	2 21	16 53	2 24	21 11	0 26	13 6	1 7	23 13	0 21	11 47	1 47	20 47	9 41	12 52	12 40	27 36	15 34	6 39					
S 28	21 23	25 36	4 58	13 45	2 36	24 12	2 8	16 45	2 27	21 9	0 26	13 6	1 7	23 13	0 21	11 47	1 47	20 47	9 42	12 56	12 41	27 36	15 34	6 39					
S 29	21 32	27 30	4 38	14 18	2 29	23 34	1 55	16 38	2 29	21 7	0 26	13 6	1 8	23 13	0 21	11 47	1 47	20 47	9 42	12 59	12 42	27 36	15 33	6 38					
M30	21 42	27 19	3 57	14 52	2 22	23 54	1 41	16 30	2 32	21 5	0 26	13 6	1 8	23 12	0 21	11 46	1 47	20 48	9 42	13 2	12 43	27 37	15 33	6 38					
T 31	21n50	25s 8	3s 1	15n27	2s14	23n15	1n27	16s23	2s35	21n 3	0n26	13s 5	1s 8	23n12	0n21	11s46	1n47	20s48	9s43	13s 4	12s45	27n37	15n33	6s37					

ASTRODIENST EPHEMERIS for the year 2287
geocentric

JUNE 2287

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 37 10	10II27'16	3≈ 3	21♂15	8°R43	23≈10	27♂46	28≈22	12♂13	5°R48	29°R13	25°R14	26≈13	17II59	18♂45	W 1
T 2	16 41 7	11°24'51	17°12	22°58	8II 5	23°40	27°57	28°23	12°16	5II46	29≈13	25≈13	26°10	18° 6	18°50	T 2
F 3	16 45 3	12°22'26	0♂53	24°45	7°28	24°10	28° 8	28°24	12°20	5°45	29°13	25°D13	26° 7	18°13	18°56	F 3
S 4	16 49 0	13°19'59	14° 8	26°33	6°52	24°39	28°19	28°24	12°23	5°44	29°13	25°R13	26° 3	18°20	19° 2	S 4
S 5	16 52 56	14°17'32	27° 2	28°24	6°17	25° 9	28°30	28°24	12°26	5°43	29°13	25°12	26° 0	18°26	19° 7	S 5
M 6	16 56 53	15°15'04	9°Y37	0II17	5°43	25°38	28°42	28°25	12°29	5°41	29°13	25°10	25°57	18°33	19°13	M 6
T 7	17 0 49	16°12'36	21°58	2°12	5°11	26° 7	28°53	28°25	12°33	5°40	29°13	25° 5	25°54	18°40	19°19	T 7
W 8	17 4 46	17°10'06	4♂ 8	4°10	4°40	26°35	29° 4	28°R25	12°36	5°39	29°13	24°57	25°51	18°46	19°24	W 8
T 9	17 8 42	18° 7'36	16°10	6° 9	4°11	27° 3	29°16	28°25	12°39	5°38	29°12	24°47	25°48	18°53	19°30	T 9
F 10	17 12 39	19° 5'05	28° 6	8°11	3°43	27°31	29°28	28°25	12°43	5°37	29°12	24°36	25°44	19° 0	19°36	F 10
S 11	17 16 36	20° 2'33	10II 0	10°14	3°18	27°59	29°39	28°25	12°46	5°36	29°12	24°24	25°41	19° 7	19°42	S 11
S 12	17 20 32	21° 0'00	21°51	12°19	2°55	28°26	29°51	28°24	12°50	5°35	29°11	24°12	25°38	19°13	19°48	S 12
M13	17 24 29	21°57'27	3♂42	14°26	2°34	28°53	0♂ 3	28°24	12°53	5°34	29°11	24° 1	25°35	19°20	19°54	M13
T 14	17 28 25	22°54'52	15°34	16°34	2°15	29°20	0°15	28°23	12°56	5°33	29°11	23°53	25°32	19°27	20° 0	T 14
W15	17 32 22	23°52'17	27°30	18°44	1°59	29°47	0°26	28°23	13° 0	5°32	29°10	23°47	25°28	19°33	20° 6	W15
T 16	17 36 18	24°49'40	9♂32	20°55	1°45	0♂13	0°38	28°22	13° 3	5°31	29°10	23°44	25°25	19°40	20°12	T 16
F 17	17 40 15	25°47'03	21°42	23° 6	1°33	0°38	0°50	28°21	13° 7	5°30	29°10	23°D43	25°22	19°47	20°18	F 17
S 18	17 44 11	26°44'25	4♂ 6	25°18	1°24	1° 4	1° 2	28°20	13°10	5°29	29° 9	23°43	25°19	19°54	20°24	S 18
S 19	17 48 8	27°41'45	16°47	27°30	1°17	1°29	1°15	28°19	13°14	5°28	29° 9	23°44	25°16	20° 0	20°30	S 19
M20	17 52 5	28°39'05	29°49	29°42	1°12	1°53	1°27	28°18	13°17	5°27	29° 8	23°R45	25°13	20° 7	20°36	M20
T 21	17 56 1	29°36'24	13♂16	1♂53	1°D10	2°17	1°39	28°17	13°21	5°27	29° 8	23°44	25° 9	20°14	20°43	T 21
W22	17 59 58	0♂33'42	27°10	4° 5	1°10	2°41	1°51	28°16	13°24	5°26	29° 7	23°41	25° 6	20°20	20°49	W22
T 23	18 3 54	1°30'59	11II32	6°15	1°13	3° 5	2° 4	28°14	13°28	5°25	29° 7	23°36	25° 3	20°27	20°55	T 23
F 24	18 7 51	2°28'15	26°19	8°24	1°18	3°28	2°16	28°13	13°32	5°24	29° 6	23°30	25° 0	20°34	21° 1	F 24
S 25	18 11 47	3°25'31	11♂25	10°32	1°25	3°50	2°28	28°11	13°35	5°24	29° 5	23°23	24°57	20°41	21° 8	S 25
S 26	18 15 44	4°22'46	26°40	12°38	1°34	4°13	2°41	28°10	13°39	5°23	29° 5	23°16	24°54	20°47	21°14	S 26
M27	18 19 40	5°20'01	11♂54	14°43	1°45	4°34	2°53	28° 8	13°42	5°22	29° 4	23° 9	24°50	20°54	21°20	M27
T 28	18 23 37	6°17'15	26°57	16°46	1°58	4°56	3° 6	28° 6	13°46	5°22	29° 3	23° 5	24°47	21° 1	21°27	T 28
W29	18 27 34	7°14'29	11≈40	18°48	2°13	5°16	3°18	28° 4	13°50	5°21	29° 3	23° 3	24°44	21° 7	21°33	W29
T 30	18 31 30	8♂11'43	25≈57	20♂47	2II31	5♂37	3♂31	28≈ 2	13♂53	5II21	29≈ 2	23°D 2	24≈41	21II14	21♂39	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
W 1	21n59	21s18	1s54	16n 1	2s 6	22n55	1n13	16s15	2s38	21n 0	0n26	13s 5	1s 8	23n12	0n21	11s45	1n47	20s48	9s43	13s 5	12s46	27n37	15n32	6s37	
T 2	22 7	16 20	0 42	16 36	1 57	22 35	0 58	16 8	2 40	20 58	0 26	13 5	1 8	23 11	0 21	11 45	1 46	20 49	9 43	13 6	12 47	27 38	15 32	6 37	
F 3	22 15	10 41	0n30	17 11	1 48	22 15	0 44	16 1	2 43	20 56	0 26	13 5	1 9	23 11	0 21	11 45	1 46	20 49	9 43	13 6	12 48	27 38	15 31	6 37	
S 4	22 22	4 43	1 39	17 45	1 39	21 55	0 30	15 53	2 46	20 54	0 26	13 5	1 9	23 11	0 21	11 44	1 46	20 49	9 44	13 6	12 49	27 38	15 31	6 36	
S 5	22 29	1n16	2 40	18 20	1 29	21 35	0 16	15 46	2 49	20 52	0 26	13 5	1 9	23 11	0 21	11 44	1 46	20 50	9 44	13 6	12 50	27 38	15 30	6 36	
M 6	22 35	7 4	3 33	18 54	1 19	21 15	0 2	15 39	2 52	20 49	0 27	13 5	1 9	23 10	0 21	11 44	1 46	20 50	9 44	13 7	12 51	27 39	15 30	6 36	
T 7	22 41	12 28	4 14	19 27	1 9	20 56	0s12	15 32	2 54	20 47	0 27	13 5	1 9	23 10	0 21	11 43	1 46	20 50	9 45	13 9	12 52	27 39	15 30	6 35	
W 8	22 47	17 18	4 43	20 0	0 58	20 37	0 26	15 25	2 57	20 45	0 27	13 6	1 9	23 10	0 21	11 43	1 46	20 51	9 45	13 11	12 53	27 39	15 29	6 35	
T 9	22 52	21 25	4 59	20 31	0 47	20 18	0 39	15 18	3 0	20 43	0 27	13 6	1 10	23 9	0 21	11 43	1 46	20 51	9 45	13 14	12 54	27 39	15 28	6 35	
F 10	22 57	24 36	5 2	21 2	0 37	20 0	0 52	15 11	3 3	20 40	0 27	13 6	1 10	23 9	0 21	11 42	1 46	20 51	9 46	13 18	12 55	27 40	15 28	6 34	
S 11	23 2	26 43	4 51	21 32	0 26	19 43	1 5	15 4	3 6	20 38	0 27	13 6	1 10	23 9	0 21	11 42	1 46	20 52	9 46	13 22	12 56	27 40	15 27	6 34	
S 12	23 6	27 37	4 28	22 0	0 15	19 26	1 18	14 58	3 9	20 35	0 27	13 7	1 10	23 8	0 21	11 42	1 46	20 52	9 46	13 26	12 57	27 40	15 27	6 34	
M13	23 10	27 15	3 54	22 26	0 4	19 11	1 30	14 51	3 13	20 33	0 27	13 7	1 10	23 8	0 21	11 41	1 46	20 52	9 46	13 30	12 58	27 40	15 26	6 34	
T 14	23 13	25 37	3 9	22 50	0n 7	18 56	1 41	14 44	3 16	20 30	0 27	13 7	1 11	23 8	0 21	11 41	1 46	20 53	9 47	13 32	13 0	27 41	15 26	6 33	
W15	23 16	22 50	2 15	23 13	0 17	18 42	1 52	14 38	3 19	20 28	0 27	13 8	1 11	23 7	0 21	11 41	1 46	20 53	9 47	13 34	13 1	27 41	15 25	6 33	
T 16	23 18	19 3	1 15	23 33	0 28	18 28	2 3	14 32	3 22	20 25	0 27	13 8	1 11	23 7	0 21	11 40	1 46	20 54	9 47	13 35	13 2	27 41	15 24	6 33	
F 17	23 20	14 25	0 11	23 51	0 38	18 16	2 13	14 26	3 25	20 23	0 27	13 9	1 11	23 7	0 21	11 40	1 46	20 54	9 48	13 36	13 3	27 41	15 24	6 33	
S 18	23 22	9 8	0s55	24 6	0 47	18 5	2 23	14 20	3 28	20 20	0 27	13 9	1 11	23 6	0 21	11 40	1 46	20 55	9 48	13 36	13 4	27 41	15 23	6 33	
S 19	23 23	3 22	2 0	24 19	0 56	17 54	2 32	14 14	3 32	20 18	0 27	13 10	1 12	23 6	0 21	11 40	1 46	20 55	9 48	13 35	13 5	27 41	15 22	6 32	
M20	23 24	2s42	3 1	24 29	1 5	17 44	2 41	14 8	3 35	20 15	0 27	13 10	1 12	23 6	0 21	11 39	1 46	20 55	9 48	13 35	13 6	27 42	15 22	6 32	
T 21	23 24	8 49	3 54	24 36	1 13	17 36	2 49	14 2	3 38	20 12	0 27	13 11	1 12	23 5	0 21	11 39	1 46	20 56	9 49	13 35	13 7	27 42	15 21	6 32	
W22	23 24	14 43	4 35	24 41	1 20	17 28	2 57	13 57	3 41	20 10	0 27	13 11	1 12	23 5	0 21	11 39	1 46	20 56	9 49	13 36	13 8	27 42	15 20	6 32	
T 23	23 24	20 1	5 0	24 42	1 27	17 21	3 5	13 51	3 45	20 7	0 27	13 12	1 12	23 5	0 21	11 39	1 46	20 57	9 49	13 38	13 9	27 42	15 20	6 32	
F 24	23 23	24 16	5 6	24 41	1 33	17 15	3 12	13 46	3 48	20 4	0 27	13 13	1 12	23 4	0 21	11 39	1 46	20 57	9 50	13 40	13 10	27 42	15 19	6 31	
S 25	23 22	26 56	4 52	24 37	1 39	17 10	3 18	13 41	3 52	20 1	0 27	13 13	1 13	23 4	0 21	11 38	1 46	20 58	9 50	13 42	13 11	27 42	15 18	6 31	
S 26	23 20	27 38	4 17	24 31	1 43	17 6	3 25	13 36	3 55	19 59	0 27	13 14	1 13	23 3	0 21	11 38	1 45	20 58	9 50	13 45	13 12	27 42	15 17	6 31	
M27	23 18	26 15	3 23	24 22	1 47	17 3	3 30	13 31	3 58	19 56	0 28	13 15	1 13	23 3	0 21	11 38	1 45	20 59	9 50	13 47	13 13	27 42	15 16	6 31	
T 28	23 15	22 58	2 16	24 10	1 50	17 0	3 36	13 26	4 2	19 53	0 28	13 16	1 13	23 3	0 21	11 38	1 45	20 59	9 51	13 48	13 14	27 42	15 16	6 31	
W29	23 12	18 14	1 1	23 57	1 52	16 58	3 40	13 22	4 5	19 50	0 28	13 17	1 13	23 2	0 21	11 38	1 45	21 0	9 51	13 49	13 15	27 42	15 15	6 31	
T 30	23n 9	12s36	0n16	23n41	1n54	16n57	3s45	13s18	4s 9	19n47	0n28	13s17	1s14	23n 2	0n21	11s38	1n45	21s 0	9s51	13s49	13s17	27n43	15n14	6s31	

ASTRODIENST EPHEMERIS for the year 2287
geocentric

JULY 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 35 27	9♄ 8'57	9♄47	22♄44	2♂50	5♄57	3♂44	28°R 0	13♄57	5°R20	29°R 1	23♄ 3	24♄38	21♂21	21♄46	F 1
S 2	18 39 23	10° 6'10	23° 9	24°40	3°11	6°16	3°56	27♄58	14° 0	5♄19	29♄ 0	23° 4	24°34	21°27	21°52	S 2
S 3	18 43 20	11° 3'24	6♄ 7	26°33	3°33	6°35	4° 9	27°56	14° 4	5°19	29° 0	23°R 5	24°31	21°34	21°59	S 3
M 4	18 47 16	12° 0'38	18°43	28°24	3°58	6°53	4°22	27°53	14° 8	5°19	28°59	23° 5	24°28	21°41	22° 5	M 4
T 5	18 51 13	12°57'51	1♄ 3	0♄13	4°24	7°11	4°35	27°51	14°11	5°18	28°58	23° 4	24°25	21°48	22°12	T 5
W 6	18 55 9	13°55'05	13° 9	2° 0	4°51	7°28	4°48	27°48	14°15	5°18	28°57	23° 0	24°22	21°54	22°18	W 6
T 7	18 59 6	14°52'19	25° 8	3°45	5°20	7°45	5° 0	27°46	14°18	5°17	28°56	22°55	24°19	22° 1	22°25	T 7
F 8	19 3 3	15°49'33	7♂ 1	5°28	5°51	8° 1	5°13	27°43	14°22	5°17	28°56	22°49	24°15	22° 8	22°31	F 8
S 9	19 6 59	16°46'48	18°51	7° 9	6°23	8°17	5°26	27°40	14°26	5°17	28°55	22°43	24°12	22°14	22°38	S 9
S 10	19 10 56	17°44'02	0♄43	8°47	6°56	8°31	5°39	27°37	14°29	5°17	28°54	22°36	24° 9	22°21	22°44	S 10
M 11	19 14 52	18°41'16	12°36	10°23	7°30	8°46	5°52	27°34	14°33	5°16	28°53	22°31	24° 6	22°28	22°51	M 11
T 12	19 18 49	19°38'31	24°34	11°57	8° 6	8°59	6° 5	27°31	14°37	5°16	28°52	22°26	24° 3	22°35	22°57	T 12
W 13	19 22 45	20°35'45	6♄38	13°29	8°43	9°12	6°18	27°28	14°40	5°16	28°51	22°24	24° 0	22°41	23° 4	W 13
T 14	19 26 42	21°33'00	18°50	14°59	9°21	9°25	6°31	27°25	14°44	5°16	28°50	22°D23	23°56	22°48	23°10	T 14
F 15	19 30 39	22°30'14	1♄12	16°27	10° 0	9°36	6°44	27°22	14°47	5°16	28°49	22°23	23°53	22°55	23°17	F 15
S 16	19 34 35	23°27'29	13°46	17°52	10°41	9°47	6°58	27°19	14°51	5°16	28°48	22°24	23°50	23° 1	23°23	S 16
S 17	19 38 32	24°24'43	26°35	19°15	11°22	9°57	7°11	27°15	14°55	5°D16	28°47	22°26	23°47	23° 8	23°30	S 17
M 18	19 42 28	25°21'57	9♄42	20°36	12° 4	10° 7	7°24	27°12	14°58	5°16	28°46	22°27	23°44	23°15	23°36	M 18
T 19	19 46 25	26°19'12	23° 8	21°55	12°47	10°16	7°37	27° 8	15° 2	5°16	28°45	22°R28	23°40	23°21	23°43	T 19
W 20	19 50 21	27°16'26	6♄57	23°11	13°31	10°24	7°50	27° 5	15° 5	5°16	28°44	22°28	23°37	23°28	23°50	W 20
T 21	19 54 18	28°13'41	21° 7	24°24	14°16	10°32	8° 3	27° 1	15° 9	5°16	28°43	22°26	23°34	23°35	23°56	T 21
F 22	19 58 14	29°10'55	5♄38	25°36	15° 2	10°38	8°17	26°58	15°12	5°16	28°41	22°24	23°31	23°42	24° 3	F 22
S 23	20 2 11	0♄ 8'10	20°25	26°44	15°49	10°44	8°30	26°54	15°16	5°16	28°40	22°21	23°28	23°48	24° 9	S 23
S 24	20 6 8	1° 5'25	5♄22	27°50	16°36	10°50	8°43	26°50	15°19	5°17	28°39	22°18	23°25	23°55	24°16	S 24
M 25	20 10 4	2° 2'40	20°21	28°53	17°25	10°54	8°56	26°46	15°23	5°17	28°38	22°16	23°21	24° 2	24°22	M 25
T 26	20 14 1	2°59'56	5♄14	29°54	18°14	10°58	9°10	26°42	15°26	5°17	28°37	22°14	23°18	24° 8	24°29	T 26
W 27	20 17 57	3°57'12	19°52	0♄51	19° 3	11° 1	9°23	26°39	15°30	5°17	28°36	22°D14	23°15	24°15	24°35	W 27
T 28	20 21 54	4°54'28	4♄ 9	1°46	19°54	11° 3	9°36	26°35	15°33	5°18	28°35	22°14	23°12	24°22	24°42	T 28
F 29	20 25 50	5°51'45	18° 2	2°37	20°45	11° 5	9°49	26°31	15°37	5°18	28°33	22°15	23° 9	24°29	24°48	F 29
S 30	20 29 47	6°49'03	1♄30	3°25	21°36	11°R 5	10° 3	26°26	15°40	5°18	28°32	22°16	23° 6	24°35	24°55	S 30
S 31	20 33 43	7♄46'22	14♄33	4♄ 9	22♂29	11♄ 5	10♄16	26♄22	15♄44	5♄19	28♄31	22♄17	23♄ 2	24♂42	25♄ 1	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	23n 5	6s31	1n29	23n23	1n55	16n57	3s49	13s14	4s13	19n44	0n28	13s18	1s14	23n 2	0n21	11s38	1n45	21s 1	9s51	13s49	13s18	27n43	15n13	6s31					
S 2	23 1	0 20	2 36	23 3	1 55	16 57	3 53	13 10	4 16	19 41	0 28	13 19	1 14	23 1	0 21	11 37	1 45	21 1	9 52	13 48	13 19	27 43	15 12	6 30					
S 3	22 57	5n40	3 32	22 41	1 54	16 58	3 56	13 6	4 20	19 38	0 28	13 20	1 14	23 1	0 21	11 37	1 45	21 2	9 52	13 48	13 20	27 43	15 11	6 30					
M 4	22 52	11 16	4 16	22 18	1 53	16 59	4 0	13 3	4 23	19 36	0 28	13 21	1 14	23 1	0 21	11 37	1 45	21 2	9 52	13 48	13 21	27 43	15 10	6 30					
T 5	22 46	16 18	4 48	21 53	1 51	17 1	4 2	12 59	4 27	19 33	0 28	13 22	1 14	23 0	0 21	11 37	1 45	21 3	9 53	13 49	13 22	27 43	15 9	6 30					
W 6	22 41	20 37	5 5	21 27	1 49	17 3	4 5	12 56	4 31	19 29	0 28	13 23	1 15	23 0	0 21	11 37	1 45	21 3	9 53	13 50	13 23	27 43	15 9	6 30					
T 7	22 35	24 1	5 10	21 0	1 45	17 6	4 7	12 53	4 34	19 26	0 28	13 24	1 15	22 59	0 21	11 37	1 45	21 4	9 53	13 51	13 24	27 43	15 8	6 30					
F 8	22 28	26 23	5 1	20 31	1 42	17 10	4 9	12 51	4 38	19 23	0 28	13 25	1 15	22 59	0 21	11 37	1 45	21 4	9 53	13 53	13 25	27 43	15 7	6 30					
S 9	22 21	27 34	4 39	20 2	1 37	17 13	4 11	12 48	4 42	19 20	0 28	13 26	1 15	22 59	0 21	11 37	1 45	21 5	9 53	13 55	13 26	27 43	15 6	6 30					
S 10	22 14	27 29	4 5	19 31	1 32	17 18	4 12	12 46	4 45	19 17	0 28	13 28	1 15	22 58	0 21	11 37	1 45	21 5	9 54	13 58	13 27	27 43	15 5	6 30					
M11	22 6	26 7	3 20	19 0	1 27	17 22	4 13	12 44	4 49	19 14	0 28	13 29	1 15	22 58	0 21	11 37	1 45	21 6	9 54	13 59	13 28	27 43	15 4	6 30					
T 12	21 58	23 34	2 26	18 28	1 21	17 27	4 14	12 42	4 53	19 11	0 28	13 30	1 16	22 58	0 21	11 37	1 45	21 7	9 54	14 1	13 29	27 43	15 3	6 30					
W13	21 50	19 57	1 25	17 56	1 14	17 32	4 15	12 41	4 56	19 8	0 28	13 31	1 16	22 57	0 21	11 37	1 45	21 7	9 54	14 2	13 30	27 43	15 2	6 30					
T 14	21 41	15 28	0 19	17 23	1 7	17 37	4 15	12 40	5 0	19 4	0 29	13 32	1 16	22 57	0 21	11 37	1 45	21 8	9 55	14 2	13 31	27 43	15 1	6 30					
F 15	21 32	10 17	0s48	16 50	0 59	17 43	4 15	12 39	5 4	19 1	0 29	13 34	1 16	22 56	0 21	11 37	1 44	21 8	9 55	14 2	13 32	27 43	15 0	6 30					
S 16	21 22	4 37	1 55	16 16	0 51	17 48	4 15	12 38	5 8	18 58	0 29	13 35	1 16	22 56	0 21	11 37	1 44	21 9	9 55	14 2	13 33	27 43	14 58	6 30					
S 17	21 12	1s21	2 57	15 42	0 43	17 54	4 15	12 37	5 11	18 55	0 29	13 36	1 16	22 56	0 21	11 37	1 44	21 9	9 55	14 1	13 34	27 42	14 57	6 30					
M18	21 2	7 22	3 51	15 8	0 34	18 0	4 14	12 37	5 15	18 52	0 29	13 37	1 17	22 55	0 21	11 37	1 44	21 10	9 55	14 1	13 35	27 42	14 56	6 30					
T 19	20 51	13 13	4 34	14 34	0 25	18 6	4 14	12 37	5 19	18 48	0 29	13 39	1 17	22 55	0 21	11 37	1 44	21 11	9 56	14 0	13 37	27 42	14 55	6 30					
W20	20 40	18 34	5 3	14 0	0 15	18 12	4 13	12 38	5 22	18 45	0 29	13 40	1 17	22 54	0 21	11 37	1 44	21 11	9 56	14 0	13 38	27 42	14 54	6 30					
T 21	20 29	23 3	5 14	13 27	0 5	18 19	4 12	12 38	5 26	18 42	0 29	13 42	1 17	22 54	0 21	11 37	1 44	21 12	9 56	14 1	13 39	27 42	14 53	6 30					
F 22	20 17	26 14	5 6	12 53	0s 6	18 25	4 11	12 39	5 30	18 38	0 29	13 43	1 17	22 54	0 21	11 37	1 44	21 12	9 56	14 2	13 40	27 42	14 52	6 30					
S 23	20 5	27 40	4 38	12 20	0 16	18 31	4 9	12 40	5 33	18 35	0 29	13 44	1 17	22 53	0 22	11 37	1 44	21 13	9 56	14 2	13 41	27 42	14 51	6 30					
S 24	19 53	27 8	3 50	11 47	0 27	18 37	4 8	12 41	5 37	18 31	0 29	13 46	1 17	22 53	0 22	11 38	1 44	21 13	9 57	14 3	13 42	27 42	14 49	6 30					
M25	19 41	24 37	2 47	11 14	0 39	18 44	4 6	12 43	5 40	18 28	0 29	13 47	1 18	22 52	0 22	11 38	1 44	21 14	9 57	14 4	13 43	27 42	14 48	6 30					
T 26	19 28	20 26	1 32	10 42	0 50	18 50	4 4	12 44	5 44	18 25	0 29	13 49	1 18	22 52	0 22	11 38	1 44	21 15	9 57	14 5	13 44	27 41	14 47	6 30					
W27	19 14	15 3	0 13	10 11	1 2	18 56	4 2	12 46	5 47	18 21	0 29	13 50	1 18	22 52	0 22	11 38	1 44	21 15	9 57	14 5	13 45	27 41	14 46	6 30					
T 28	19 1	8 57	1n 5	9 40	1 14	19 2	4 0	12 49	5 51	18 18	0 29	13 52	1 18	22 51	0 22	11 38	1 44	21 16	9 57	14 5	13 46	27 41	14 45	6 31					
F 29	18 47	2 56	3 28	8 11	1 27	19 8	3 58	12 51	5 54	18 14	0 30	13 53	1 18	22 51	0 22	11 38	1 44	21 16	9 57	14 4	13 47	27 41	14 43	6 30					
S 30	18 32	3n39	3 20	8 42	1 39	19 13	3 55	12 54	5 57	18 11	0 30	13 55	1 18	22 51	0 22	11 39	1 44	21 17	9 58	14 4	13 48	27 41	14 42	6 31					
S 31	18n18	9n34	4n10	8n14	1s52	19n19	3s53	12s57	6s 1	18n 7	0n30	13s56	1s18	22n50	0n22	11s39	1n44	21s17	9s58	14s 4	13s49	27n41	14n41	6s31					

ASTRODIENST EPHEMERIS for the year 2287

geocentric

AUGUST 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 37 40	8♌43'42	27♏13	4♍50	23♏22	11♏4	10♌29	26♏18	15♏47	5♏19	28♏R30	22♏18	22♏59	24♏49	25♏8	M 1
T 2	20 41 37	9♌41'03	9♏35	5°27	24°15	11♏2	10°42	26♏14	15°51	5°20	28♏29	22♏R18	22°56	24°55	25°14	T 2
W 3	20 45 33	10°38'25	21°43	6°0	25°9	11°0	10°56	26°10	15°54	5°20	28°27	22°18	22°53	25°2	25°21	W 3
T 4	20 49 30	11°35'48	3♏41	6°29	26°4	10°57	11°9	26°6	15°57	5°21	28°26	22°17	22°50	25°9	25°27	T 4
F 5	20 53 26	12°33'12	15°33	6°54	26°59	10°52	11°22	26°1	16°1	5°21	28°25	22°16	22°46	25°15	25°34	F 5
S 6	20 57 23	13°30'37	27°24	7°14	27°54	10°48	11°36	25°57	16°4	5°22	28°24	22°15	22°43	25°22	25°40	S 6
S 7	21 1 19	14°28'03	9♏17	7°30	28°50	10°42	11°49	25°53	16°7	5°23	28°22	22°14	22°40	25°29	25°46	S 7
M 8	21 5 16	15°25'30	21°15	7°41	29°47	10°36	12°2	25°48	16°11	5°23	28°21	22°13	22°37	25°36	25°53	M 8
T 9	21 9 12	16°22'58	3♏21	7°47	0♏44	10°28	12°16	25°44	16°14	5°24	28°20	22°12	22°34	25°42	25°59	T 9
W10	21 13 9	17°20'27	15°37	7°R47	1°41	10°20	12°29	25°39	16°17	5°25	28°18	22°12	22°31	25°49	26°5	W10
T 11	21 17 6	18°17'57	28°4	7°43	2°39	10°12	12°42	25°35	16°20	5°26	28°17	22°D12	22°27	25°56	26°12	T 11
F 12	21 21 2	19°15'28	10♏43	7°33	3°38	10°3	12°55	25°30	16°23	5°26	28°16	22°12	22°24	26°2	26°18	F 12
S 13	21 24 59	20°13'00	23°36	7°17	4°36	9°53	13°9	25°26	16°27	5°27	28°15	22°13	22°21	26°9	26°24	S 13
S 14	21 28 55	21°10'32	6♏42	6°57	5°35	9°42	13°22	25°22	16°30	5°28	28°13	22°13	22°18	26°16	26°30	S 14
M15	21 32 52	22°8'06	20°3	6°31	6°35	9°31	13°35	25°17	16°33	5°29	28°12	22°R13	22°15	26°22	26°37	M15
T 16	21 36 48	23°5'40	3♏38	6°0	7°34	9°19	13°48	25°13	16°36	5°30	28°11	22°13	22°12	26°29	26°43	T 16
W17	21 40 45	24°3'15	17°28	5°25	8°35	9°7	14°1	25°8	16°39	5°31	28°9	22°D13	22°8	26°36	26°49	W17
T 18	21 44 41	25°0'51	1♏33	4°45	9°35	8°54	14°15	25°4	16°42	5°32	28°8	22°13	22°5	26°43	26°55	T 18
F 19	21 48 38	25°58'28	15°49	4°2	10°36	8°41	14°28	24°59	16°45	5°33	28°7	22°13	22°2	26°49	27°1	F 19
S 20	21 52 35	26°56'06	0♏16	3°15	11°37	8°27	14°41	24°55	16°48	5°34	28°5	22°13	21°59	26°56	27°7	S 20
S 21	21 56 31	27°53'45	14°49	2°26	12°38	8°13	14°54	24°50	16°51	5°35	28°4	22°14	21°56	27°3	27°13	S 21
M22	22 0 28	28°51'25	29°23	1°35	13°40	7°59	15°7	24°46	16°54	5°36	28°3	22°14	21°52	27°9	27°19	M22
T 23	22 4 24	29°49'06	13♏53	0°44	14°42	7°44	15°20	24°41	16°57	5°37	28°1	22°14	21°49	27°16	27°25	T 23
W24	22 8 21	0♏46'48	28°13	29♏53	15°45	7°29	15°33	24°37	17°0	5°38	28°0	22°R15	21°46	27°23	27°31	W24
T 25	22 12 17	1°44'32	12♏18	29°3	16°47	7°13	15°46	24°32	17°3	5°40	27°59	22°14	21°43	27°29	27°37	T 25
F 26	22 16 14	2°42'17	26°5	28°16	17°50	6°58	15°59	24°28	17°5	5°41	27°57	22°13	21°40	27°36	27°43	F 26
S 27	22 20 10	3°40'03	9♏30	27°32	18°54	6°42	16°12	24°23	17°8	5°42	27°56	22°12	21°37	27°43	27°49	S 27
S 28	22 24 7	4°37'51	22°34	26°53	19°57	6°27	16°25	24°19	17°11	5°43	27°55	22°10	21°33	27°50	27°54	S 28
M29	22 28 4	5°35'40	5♏16	26°19	21°1	6°11	16°38	24°14	17°13	5°45	27°53	22°9	21°30	27°56	28°0	M29
T 30	22 32 0	6°33'32	17°40	25°50	22°5	5°55	16°51	24°10	17°16	5°46	27°52	22°7	21°27	28°3	28°6	T 30
W31	22 35 57	7♏31'25	29♏50	25♏29	23♏9	5♏39	17♏4	24♏6	17♏19	5♏47	27♏51	22♏6	21♏24	28♏10	28♏11	W31

Day	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n 3	14n55	4n47	7n48	2s 4	19n24	3s50	13s 0	6s 4	18n 4	0n30	13s58	1s18	22n50	0n22	11s39	1n44	21s18	9s58	14s 3	13s50	27n40	14n40	6s31
T 2	17 48	19 32	5 9	7 22	2 17	19 30	3 47	13 4	6 7	18 0	0 30	13 59	1 19	22 49	0 22	11 39	1 43	21 19	9 58	14 3	13 51	27 40	14 38	6 31
W 3	17 33	23 15	5 16	6 58	2 30	19 34	3 45	13 8	6 10	17 57	0 30	14 1	1 19	22 49	0 22	11 39	1 43	21 19	9 58	14 3	13 52	27 40	14 37	6 31
T 4	17 17	25 56	5 10	6 36	2 43	19 39	3 42	13 12	6 13	17 53	0 30	14 2	1 19	22 49	0 22	11 40	1 43	21 20	9 58	14 4	13 53	27 40	14 36	6 32
F 5	17 1	27 26	4 51	6 15	2 55	19 44	3 39	13 16	6 16	17 49	0 30	14 4	1 19	22 48	0 22	11 40	1 43	21 20	9 58	14 4	13 54	27 40	14 35	6 32
S 6	16 45	27 42	4 19	5 56	3 8	19 48	3 35	13 20	6 18	17 46	0 30	14 5	1 19	22 48	0 22	11 40	1 43	21 21	9 59	14 4	13 55	27 39	14 33	6 32
S 7	16 28	26 40	3 36	5 39	3 20	19 52	3 32	13 25	6 21	17 42	0 30	14 7	1 19	22 48	0 22	11 40	1 43	21 21	9 59	14 5	13 56	27 39	14 32	6 32
M 8	16 11	24 25	2 43	5 24	3 32	19 55	3 29	13 30	6 24	17 39	0 30	14 9	1 19	22 47	0 22	11 41	1 43	21 22	9 59	14 5	13 57	27 39	14 31	6 32
T 9	15 54	21 2	1 43	5 11	3 43	19 59	3 26	13 35	6 26	17 35	0 30	14 10	1 19	22 47	0 22	11 41	1 43	21 23	9 59	14 5	13 58	27 39	14 29	6 33
W10	15 37	16 43	0 36	5 1	3 54	20 2	3 22	13 40	6 28	17 31	0 31	14 12	1 19	22 46	0 22	11 41	1 43	21 23	9 59	14 5	13 59	27 38	14 28	6 33
T 11	15 19	11 37	0s32	4 53	4 5	20 4	3 18	13 45	6 30	17 28	0 31	14 13	1 20	22 46	0 22	11 42	1 43	21 24	9 59	14 5	14 0	27 38	14 27	6 33
F 12	15 2	5 59	1 41	4 47	4 14	20 6	3 15	13 50	6 32	17 24	0 31	14 15	1 20	22 46	0 22	11 42	1 43	21 24	9 59	14 5	14 1	27 38	14 25	6 33
S 13	14 43	0 0	2 45	4 45	4 23	20 8	3 11	13 56	6 34	17 20	0 31	14 17	1 20	22 45	0 22	11 42	1 43	21 25	9 59	14 5	14 2	27 38	14 24	6 33
S 14	14 25	6s 4	3 42	4 45	4 31	20 10	3 7	14 1	6 36	17 17	0 31	14 18	1 20	22 45	0 22	11 43	1 43	21 25	9 59	14 5	14 4	27 37	14 22	6 34
M15	14 7	11 58	4 29	4 48	4 37	20 11	3 4	14 7	6 37	17 13	0 31	14 20	1 20	22 45	0 22	11 43	1 43	21 26	10 0	14 5	14 5	27 37	14 21	6 34
T 16	13 48	17 25	5 1	4 54	4 43	20 12	3 0	14 13	6 39	17 9	0 31	14 21	1 20	22 44	0 22	11 43	1 43	21 26	10 0	14 5	14 6	27 37	14 20	6 34
W17	13 29	22 4	5 16	5 4	4 47	20 12	2 56	14 19	6 40	17 6	0 31	14 23	1 20	22 44	0 22	11 44	1 43	21 27	10 0	14 5	14 7	27 36	14 18	6 34
T 18	13 10	25 33	5 13	5 16	4 49	20 12	2 52	14 25	6 41	17 2	0 31	14 25	1 20	22 43	0 22	11 44	1 43	21 28	10 0	14 5	14 8	27 36	14 17	6 35
F 19	12 51	27 28	4 51	5 31	4 50	20 12	2 48	14 30	6 42	16 58	0 31	14 26	1 20	22 43	0 22	11 44	1 43	21 28	10 0	14 5	14 9	27 36	14 16	6 35
S 20	12 31	27 34	4 10	5 48	4 49	20 11	2 44	14 36	6 43	16 54	0 31	14 28	1 20	22 43	0 22	11 45	1 42	21 29	10 0	14 5	14 10	27 35	14 14	6 35
S 21	12 11	25 47	3 13	6 8	4 46	20 10	2 39	14 42	6 43	16 51	0 32	14 29	1 20	22 42	0 22	11 45	1 42	21 29	10 0	14 5	14 11	27 35	14 13	6 36
M22	11 51	22 16	2 3	6 30	4 41	20 8	2 35	14 48	6 43	16 47	0 32	14 31	1 20	22 42	0 22	11 46	1 42	21 30	10 0	14 5	14 12	27 35	14 11	6 36
T 23	11 31	17 22	0 46	6 55	4 35	20 6	2 31	14 53	6 44	16 43	0 32	14 32	1 21	22 42	0 22	11 46	1 42	21 30	10 0	14 5	14 13	27 34	14 10	6 36
W24	11 11	11 34	0n33	7 20	4 26	20 3	2 27	14 59	6 43	16 39	0 32	14 34	1 21	22 41	0 22	11 46	1 42	21 31	10 0	14 5	14 14	27 34	14 8	6 37
T 25	10 50	5 15	1 49	7 47	4 16	20 0	2 22	15 5	6 43	16 36	0 32	14 36	1 21	22 41	0 22	11 47	1 42	21 31	10 0	14 5	14 15	27 33	14 7	6 37
F 26	10 30	1n 9	2 57	8 14	4 4	19 56	2 18	15 10	6 43	16 32	0 32	14 37	1 21	22 41	0 22	11 47	1 42	21 32	10 0	14 5	14 16	27 33	14 6	6 37
S 27	10 9	7 19	3 53	8 42	3 51	19 52	2 14	15 15	6 42	16 28	0 32	14 39	1 21	22 40	0 22	11 48	1 42	21 32	10 0	14 5	14 17	27 33	14 4	6 38
S 28	9 48	13 1	4 35	9 9	3 36	19 47	2 9	15 20	6 41	16 24	0 32	14 40	1 21	22 40	0 22	11 48	1 42	21 33	10 0	14 6	14 18	27 32	14 3	6 38
M29	9 27	18 0	5 2	9 36	3 30	19 42	2 5	15 25	6 40	16 21	0 32	14 42	1 21	22 40	0 22	11 49	1 42	21 33	10 0	14 7	14 19	27 32	14 1	6 38
T 30	9 6	22 7	5 15	10 1	3 3	19 37	2 1	15 30	6 39	16 17	0 33	14 43	1 21	22 39	0 22	11 49	1 42	21 34	10 0	14 7	14 20	27 31	14 0	6 39
W31	8n44	25n11	5n13	10n25	2s45	19n31	1s56	15s35	6s37	16n13	0n33	14s45	1s21	22n39	0n22	11s50	1n42	21s34	10s 0	14s 7	14s21	27n31	13n58	6s39

ASTRODIENST EPHEMERIS for the year 2287
geocentric

SEPTEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 53	8♐29'19	11♐49	25°R15	24♐14	5°R23	17♐16	24°R 2	17♐21	5♐49	27°R50	22°D 6	21♐21	28♐16	28♐17	T 1
F 2	22 43 50	9°27'16	23°41	25°D 8	25°18	5♐ 8	17°29	23♐57	17°24	5°50	27♐48	22♐ 7	21°18	28°23	28°23	F 2
S 3	22 47 46	10°25'14	5♐33	25♐10	26°23	4°52	17°42	23°53	17°26	5°52	27°47	22° 8	21°14	28°30	28°28	S 3
S 4	22 51 43	11°23'15	17°27	25°19	27°29	4°37	17°55	23°49	17°29	5°53	27°46	22°10	21°11	28°36	28°34	S 4
M 5	22 55 39	12°21'17	29°30	25°37	28°34	4°22	18° 7	23°45	17°31	5°54	27°44	22°11	21° 8	28°43	28°39	M 5
T 6	22 59 36	13°19'20	11♐43	26° 4	29°40	4° 7	18°20	23°41	17°34	5°56	27°43	22°12	21° 5	28°50	28°44	T 6
W 7	23 3 33	14°17'26	24°10	26°38	0♐46	3°53	18°33	23°36	17°36	5°57	27°42	22°R12	21° 2	28°56	28°50	W 7
T 8	23 7 29	15°15'33	6♐53	27°21	1°52	3°38	18°45	23°32	17°38	5°59	27°41	22°12	20°58	29° 3	28°55	T 8
F 9	23 11 26	16°13'42	19°53	28°11	2°58	3°25	18°58	23°28	17°41	6° 1	27°39	22°10	20°55	29°10	29° 0	F 9
S 10	23 15 22	17°11'52	3♐ 9	29° 9	4° 5	3°12	19°10	23°24	17°43	6° 2	27°38	22° 7	20°52	29°17	29° 5	S 10
S 11	23 19 19	18°10'04	16°41	0♐14	5°11	2°59	19°22	23°21	17°45	6° 4	27°37	22° 3	20°49	29°23	29°10	S 11
M12	23 23 15	19° 8'18	0♐25	1°25	6°18	2°47	19°35	23°17	17°47	6° 5	27°36	21°59	20°46	29°30	29°16	M12
T 13	23 27 12	20° 6'33	14°20	2°43	7°25	2°36	19°47	23°13	17°49	6° 7	27°34	21°55	20°43	29°37	29°21	T 13
W14	23 31 8	21° 4'50	28°22	4° 6	8°32	2°25	19°59	23° 9	17°52	6° 9	27°33	21°53	20°39	29°43	29°25	W14
T 15	23 35 5	22° 3'08	12♐30	5°34	9°40	2°15	20°12	23° 6	17°54	6°11	27°32	21°51	20°36	29°50	29°30	T 15
F 16	23 39 2	23° 1'28	26°41	7° 7	10°47	2° 5	20°24	23° 2	17°56	6°12	27°31	21°D51	20°33	29°57	29°35	F 16
S 17	23 42 58	23°59'50	10♐53	8°44	11°55	1°56	20°36	22°58	17°58	6°14	27°30	21°52	20°30	0♐ 3	29°40	S 17
S 18	23 46 55	24°58'13	25° 4	10°24	13° 3	1°48	20°48	22°55	17°59	6°16	27°29	21°53	20°27	0°10	29°45	S 18
M19	23 50 51	25°56'37	9♐12	12° 7	14°11	1°41	21° 0	22°52	18° 1	6°18	27°28	21°54	20°23	0°17	29°49	M19
T 20	23 54 48	26°55'03	23°15	13°53	15°19	1°34	21°12	22°48	18° 3	6°19	27°26	21°R55	20°20	0°23	29°54	T 20
W21	23 58 44	27°53'30	7♐ 9	15°40	16°28	1°28	21°24	22°45	18° 5	6°21	27°25	21°54	20°17	0°30	29°58	W21
T 22	0 2 41	28°52'00	20°53	17°29	17°36	1°23	21°35	22°42	18° 7	6°23	27°24	21°51	20°14	0°37	0♐ 3	T 22
F 23	0 6 37	29°50'31	4♐22	19°19	18°45	1°19	21°47	22°39	18° 8	6°25	27°23	21°47	20°11	0°44	0° 7	F 23
S 24	0 10 34	0♐49'04	17°36	21°10	19°54	1°15	21°59	22°36	18°10	6°27	27°22	21°41	20° 8	0°50	0°12	S 24
S 25	0 14 30	1°47'39	0♐33	23° 1	21° 3	1°12	22°10	22°33	18°11	6°29	27°21	21°34	20° 4	0°57	0°16	S 25
M26	0 18 27	2°46'16	13°12	24°53	22°12	1°10	22°22	22°30	18°13	6°31	27°20	21°27	20° 1	1° 4	0°20	M26
T 27	0 22 24	3°44'55	25°35	26°45	23°21	1° 9	22°33	22°27	18°14	6°33	27°19	21°20	19°58	1°10	0°24	T 27
W28	0 26 20	4°43'37	7♐44	28°36	24°31	1°D 8	22°45	22°24	18°16	6°35	27°18	21°15	19°55	1°17	0°28	W28
T 29	0 30 17	5°42'20	19°42	0♐27	25°40	1° 9	22°56	22°22	18°17	6°37	27°17	21°12	19°52	1°24	0°32	T 29
F 30	0 34 13	6♐41'06	1♐34	2♐18	26♐50	1♐10	23♐ 7	22♐19	18♐19	6♐38	27♐16	21°D10	19♐49	1♐30	0♐36	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	8n23	27n 5	4n58	10n47	2s27	19n24	1s52	15s39	6s36	16n 9	0n33	14s46	1s21	22n39	0n22	11s50	1n42	21s35	10s 0	14s 7	14s22	27n31	13n57	6s39	
F 2	8 1	27 44	4 29	11 7	2 8	19 17	1 47	15 43	6 34	16 5	0 33	14 47	1 21	22 39	0 22	11 51	1 42	21 35	10 0	14 7	14 23	27 30	13 55	6 40	
S 3	7 39	27 7	3 50	11 24	1 50	19 9	1 43	15 47	6 32	16 2	0 33	14 49	1 21	22 38	0 22	11 51	1 42	21 36	10 0	14 7	14 24	27 30	13 54	6 40	
S 4	7 17	25 15	3 0	11 38	1 31	19 1	1 39	15 51	6 30	15 58	0 33	14 50	1 21	22 38	0 22	11 52	1 42	21 36	10 0	14 6	14 25	27 29	13 53	6 41	
M 5	6 55	22 13	2 2	11 49	1 13	18 53	1 34	15 54	6 27	15 54	0 33	14 52	1 21	22 38	0 22	11 52	1 42	21 36	10 0	14 6	14 26	27 29	13 51	6 41	
T 6	6 33	18 10	0 58	11 57	0 55	18 44	1 30	15 57	6 25	15 50	0 33	14 53	1 21	22 37	0 22	11 53	1 42	21 37	10 0	14 5	14 27	27 28	13 50	6 41	
W 7	6 10	13 16	0s11	12 2	0 38	18 34	1 25	16 0	6 22	15 47	0 33	14 55	1 21	22 37	0 22	11 53	1 42	21 37	10 0	14 5	14 28	27 28	13 48	6 42	
T 8	5 48	7 44	1 20	12 3	0 21	18 24	1 21	16 2	6 19	15 43	0 34	14 56	1 21	22 37	0 22	11 54	1 42	21 38	10 0	14 6	14 29	27 27	13 47	6 42	
F 9	5 26	1 45	2 26	12 0	0 5	18 14	1 16	16 5	6 16	15 39	0 34	14 57	1 21	22 37	0 22	11 54	1 42	21 38	10 0	14 6	14 30	27 27	13 45	6 43	
S 10	5 3	4s24	3 26	11 54	0n10	18 3	1 12	16 6	6 13	15 35	0 34	14 59	1 21	22 36	0 22	11 55	1 42	21 39	10 0	14 7	14 31	27 26	13 44	6 43	
S 11	4 40	10 29	4 16	11 45	0 24	17 51	1 8	16 8	6 10	15 32	0 34	15 0	1 21	22 36	0 22	11 56	1 41	21 39	10 0	14 8	14 32	27 26	13 42	6 44	
M12	4 18	16 8	4 51	11 32	0 37	17 39	1 3	16 9	6 6	15 28	0 34	15 1	1 21	22 36	0 23	11 56	1 41	21 39	10 0	14 10	14 33	27 25	13 41	6 44	
T 13	3 55	21 3	5 10	11 15	0 49	17 26	0 59	16 10	6 2	15 24	0 34	15 2	1 21	22 35	0 23	11 57	1 41	21 40	10 0	14 11	14 34	27 25	13 39	6 45	
W14	3 32	24 49	5 11	10 55	1 0	17 13	0 55	16 10	5 59	15 20	0 34	15 4	1 21	22 35	0 23	11 57	1 41	21 40	10 0	14 12	14 35	27 24	13 38	6 45	
T 15	3 9	27 6	4 53	10 32	1 10	17 0	0 50	16 10	5 55	15 17	0 34	15 5	1 21	22 35	0 23	11 58	1 41	21 41	10 0	14 12	14 36	27 24	13 36	6 46	
F 16	2 46	27 39	4 17	10 6	1 18	16 46	0 46	16 10	5 51	15 13	0 35	15 6	1 21	22 35	0 23	11 58	1 41	21 41	10 0	14 12	14 37	27 23	13 35	6 46	
S 17	2 23	26 22	3 25	9 36	1 26	16 31	0 42	16 10	5 47	15 9	0 35	15 7	1 21	22 35	0 23	11 59	1 41	21 41	10 0	14 12	14 38	27 23	13 34	6 47	
S 18	2 0	23 24	2 21	9 5	1 32	16 17	0 37	16 9	5 43	15 5	0 35	15 8	1 21	22 34	0 23	12 0	1 41	21 42	10 0	14 12	14 39	27 22	13 32	6 47	
M19	1 37	19 2	1 9	8 30	1 38	16 1	0 33	16 7	5 38	15 2	0 35	15 9	1 21	22 34	0 23	12 0	1 41	21 42	10 0	14 11	14 40	27 21	13 31	6 48	
T 20	1 13	13 38	0n 7	7 54	1 42	15 45	0 29	16 6	5 34	14 58	0 35	15 10	1 21	22 34	0 23	12 1	1 41	21 42	10 0	14 11	14 41	27 21	13 29	6 48	
W21	0 50	7 36	1 22	7 16	1 45	15 29	0 25	16 4	5 30	14 54	0 35	15 12	1 21	22 34	0 23	12 2	1 41	21 43	10 0	14 11	14 42	27 20	13 28	6 49	
T 22	0 27	1 18	2 31	6 35	1 48	15 12	0 21	16 2	5 25	14 51	0 35	15 13	1 21	22 33	0 23	12 2	1 41	21 43	10 0	14 12	14 43	27 20	13 26	6 49	
F 23	0 4	4n57	3 30	5 54	1 49	14 55	0 17	15 59	5 21	14 47	0 35	15 14	1 21	22 33	0 23	12 3	1 41	21 43	9 59	14 14	14 44	27 19	13 25	6 50	
S 24	0s19	10 51	4 17	5 11	1 50	14 37	0 13	15 56	5 16	14 43	0 36	15 15	1 21	22 33	0 23	12 3	1 41	21 43	9 59	14 16	14 45	27 18	13 24	6 50	
S 25	0 43	16 9	4 49	4 27	1 50	14 19	0 9	15 53	5 12	14 40	0 36	15 16	1 21	22 33	0 23	12 4	1 41	21 44	9 59	14 18	14 46	27 18	13 22	6 51	
M26	1 6	20 38	5 6	3 42	1 49	14 1	0 5	15 49	5 7	14 36	0 36	15 16	1 21	22 33	0 23	12 5	1 41	21 44	9 59	14 20	14 47	27 17	13 21	6 51	
T 27	1 29	24 7	5 8	2 57	1 48	13 42	0 1	15 45	5 2	14 33	0 36	15 17	1 21	22 33	0 23	12 5	1 41	21 44	9 59	14 22	14 48	27 16	13 19	6 52	
W28	1 53	26 26	4 57	2 10	1 46	13 23	0n 3	15 41	4 58	14 29	0 36	15 18	1 21	22 32	0 23	12 6	1 41	21 45	9 59	14 24	14 49	27 16	13 18	6 52	
T 29	2 16	27 31	4 32	1 24	1 43	13 3	0 7	15 37	4 53	14 25	0 36	15 19	1 21	22 32	0 23	12 7	1 41	21 45	9 59	14 25	14 50	27 15	13 17	6 53	
F 30	2s39	27n20	3n56	0n37	1n40	12n43	0n10	15s32	4s48	14n22	0n36	15s20	1s21	22n32	0n23	12s 7	1n41	21s45	9s59	14s25	14s51	27n14	13n15	6s54	

ASTRODIENST EPHEMERIS for the year 2287
geocentric

OCTOBER 2287

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 38 10	7♂39°54	13♂25	4♂ 8	28♂ 0	1♂12	23♂19	22°R16	18♂20	6♂41	27°R15	21♂10	19♂45	1♂37	0♂40	S 1
S 2	0 42 6	8°38'45	25°19	5°57	29°10	1°14	23°30	22♂14	18°21	6°43	27♂14	21°11	19°42	1°44	0°44	S 2
M 3	0 46 3	9°37'37	7♂23	7°46	0♂20	1°18	23°41	22°12	18°22	6°45	27°13	21°13	19°39	1°50	0°48	M 3
T 4	0 49 59	10°36'32	19°39	9°34	1°31	1°22	23°52	22° 9	18°23	6°47	27°12	21°R13	19°36	1°57	0°51	T 4
W 5	0 53 56	11°35'29	2♂14	11°21	2°41	1°27	24° 2	22° 7	18°24	6°49	27°11	21°13	19°33	2° 4	0°55	W 5
T 6	0 57 53	12°34'28	15° 9	13° 8	3°52	1°33	24°13	22° 5	18°26	6°51	27°11	21°10	19°29	2°10	0°58	T 6
F 7	1 1 49	13°33'29	28°27	14°53	5° 2	1°39	24°24	22° 3	18°26	6°53	27°10	21° 5	19°26	2°17	1° 2	F 7
S 8	1 5 46	14°32'32	12♂ 6	16°38	6°13	1°47	24°35	22° 1	18°27	6°55	27° 9	20°58	19°23	2°24	1° 5	S 8
S 9	1 9 42	15°31'38	26° 4	18°22	7°24	1°55	24°45	22° 0	18°28	6°57	27° 8	20°50	19°20	2°31	1° 8	S 9
M10	1 13 39	16°30'45	10♂16	20° 5	8°35	2° 4	24°56	21°58	18°29	6°59	27° 7	20°40	19°17	2°37	1°11	M10
T 11	1 17 35	17°29'54	24°38	21°47	9°46	2°13	25° 6	21°56	18°30	7° 1	27° 7	20°32	19°14	2°44	1°14	T 11
W12	1 21 32	18°29'06	9♂ 3	23°29	10°57	2°24	25°16	21°55	18°31	7° 3	27° 6	20°24	19°10	2°51	1°17	W12
T 13	1 25 28	19°28'19	23°26	25° 9	12° 8	2°35	25°26	21°53	18°31	7° 6	27° 5	20°19	19° 7	2°57	1°20	T 13
F 14	1 29 25	20°27'33	7♂43	26°49	13°20	2°47	25°36	21°52	18°32	7° 8	27° 4	20°17	19° 4	3° 4	1°23	F 14
S 15	1 33 22	21°26'50	21°52	28°28	14°31	2°59	25°46	21°51	18°32	7°10	27° 4	20°D16	19° 1	3°11	1°26	S 15
S 16	1 37 18	22°26'08	5♂50	0♂ 6	15°43	3°12	25°56	21°50	18°33	7°12	27° 3	20°16	18°58	3°17	1°28	S 16
M17	1 41 15	23°25'28	19°39	1°44	16°55	3°26	26° 6	21°49	18°33	7°14	27° 3	20°R17	18°55	3°24	1°31	M17
T 18	1 45 11	24°24'49	3♂19	3°21	18° 7	3°40	26°15	21°48	18°34	7°16	27° 2	20°16	18°51	3°31	1°34	T 18
W19	1 49 8	25°24'12	16°48	4°57	19°18	3°56	26°25	21°47	18°34	7°19	27° 1	20°13	18°48	3°37	1°36	W19
T 20	1 53 4	26°23'37	0♂ 7	6°32	20°30	4°11	26°34	21°46	18°34	7°21	27° 1	20° 8	18°45	3°44	1°38	T 20
F 21	1 57 1	27°23'04	13°14	8° 7	21°43	4°28	26°44	21°46	18°35	7°23	27° 0	19°59	18°42	3°51	1°40	F 21
S 22	2 0 57	28°22'33	26°10	9°41	22°55	4°44	26°53	21°45	18°35	7°25	27° 0	19°49	18°39	3°57	1°43	S 22
S 23	2 4 54	29°22'04	8♂53	11°15	24° 7	5° 2	27° 2	21°45	18°35	7°27	26°59	19°36	18°35	4° 4	1°45	S 23
M24	2 8 51	0♂21°37	21°23	12°48	25°19	5°20	27°11	21°45	18°35	7°30	26°59	19°24	18°32	4°11	1°47	M24
T 25	2 12 47	1°21'12	3♂19	14°20	26°32	5°39	27°20	21°44	18°R35	7°32	26°58	19°12	18°29	4°17	1°48	T 25
W26	2 16 44	2°20'50	15°44	15°52	27°44	5°58	27°29	21°44	18°35	7°34	26°58	19° 1	18°26	4°24	1°50	W26
T 27	2 20 40	3°20'29	27°40	17°23	28°57	6°17	27°37	21°D44	18°35	7°36	26°58	18°53	18°23	4°31	1°52	T 27
F 28	2 24 37	4°20'11	9♂30	18°53	0♂10	6°38	27°46	21°44	18°35	7°39	26°57	18°48	18°20	4°38	1°53	F 28
S 29	2 28 33	5°19'55	21°19	20°23	1°23	6°58	27°54	21°44	18°35	7°41	26°57	18°46	18°16	4°44	1°55	S 29
S 30	2 32 30	6°19'41	3♂11	21°52	2°35	7°20	28° 3	21°45	18°34	7°43	26°57	18°D45	18°13	4°51	1°56	S 30
M31	2 36 26	7♂19°29	15♂12	23♂21	3♂48	7♂41	28♂11	21♂45	18♂34	7♂45	26♂56	18°R45	18♂10	4♂58	1♂58	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	3s 2	25n52	3n10	0s10	1n37	12n22	0n14	15s27	4s43	14n18	0n37	15s21	1s21	22n32	0n23	12s 8	1n41	21s45	9s59	14s25	14s52	27n14	13n14	6s54			
S 2	3 25	23 15	2 15	0 57	1 33	12 1	0 18	15 21	4 39	14 15	0 37	15 21	1 21	22 32	0 23	12 9	1 41	21 45	9 59	14 25	14 53	27 13	13 12	6 55			
M 3	3 49	19 36	1 14	1 44	1 28	11 40	0 21	15 16	4 34	14 11	0 37	15 22	1 21	22 32	0 23	12 9	1 41	21 46	9 58	14 25	14 54	27 12	13 11	6 55			
T 4	4 12	15 2	0 8	2 30	1 24	11 18	0 25	15 10	4 29	14 8	0 37	15 23	1 21	22 32	0 23	12 10	1 41	21 46	9 58	14 24	14 55	27 12	13 10	6 56			
W 5	4 35	9 45	0s59	3 17	1 18	10 56	0 28	15 3	4 24	14 4	0 37	15 23	1 21	22 31	0 23	12 11	1 41	21 46	9 58	14 25	14 56	27 11	13 8	6 57			
T 6	4 58	3 55	2 5	4 3	1 13	10 34	0 32	14 57	4 20	14 1	0 37	15 24	1 21	22 31	0 23	12 12	1 41	21 46	9 58	14 25	14 57	27 10	13 7	6 57			
F 7	5 21	2s14	3 6	4 49	1 8	10 11	0 35	14 50	4 15	13 58	0 38	15 25	1 21	22 31	0 23	12 12	1 41	21 46	9 58	14 27	14 58	27 10	13 6	6 58			
S 8	5 43	8 26	3 58	5 35	1 2	9 48	0 38	14 43	4 10	13 54	0 38	15 25	1 21	22 31	0 23	12 13	1 41	21 47	9 58	14 29	14 59	27 9	13 5	6 58			
S 9	6 6	14 21	4 37	6 20	0 56	9 25	0 41	14 36	4 6	13 51	0 38	15 26	1 21	22 31	0 23	12 14	1 41	21 47	9 58	14 32	15 0	27 8	13 3	6 59			
M10	6 29	19 37	5 0	7 4	0 50	9 2	0 44	14 28	4 1	13 47	0 38	15 26	1 21	22 31	0 23	12 14	1 41	21 47	9 57	14 35	15 1	27 7	13 2	7 0			
T 11	6 52	23 49	5 4	7 49	0 43	8 38	0 47	14 20	3 56	13 44	0 38	15 27	1 21	22 31	0 23	12 15	1 41	21 47	9 57	14 38	15 2	27 7	13 1	7 0			
W12	7 14	26 32	4 49	8 32	0 37	8 14	0 50	14 12	3 52	13 41	0 38	15 27	1 21	22 31	0 23	12 16	1 41	21 47	9 57	14 40	15 3	27 6	12 59	7 1			
T 13	7 37	27 30	4 16	9 15	0 30	7 49	0 53	14 4	3 47	13 38	0 39	15 28	1 21	22 31	0 23	12 16	1 41	21 47	9 57	14 41	15 4	27 5	12 58	7 2			
F 14	7 59	26 37	3 27	9 57	0 23	7 24	0 56	13 56	3 43	13 34	0 39	15 28	1 21	22 31	0 23	12 17	1 41	21 47	9 57	14 42	15 5	27 4	12 57	7 2			
S 15	8 21	24 2	2 26	10 39	0 17	6 59	0 59	13 47	3 38	13 31	0 39	15 28	1 20	22 31	0 23	12 18	1 41	21 47	9 57	14 43	15 6	27 4	12 56	7 3			
S 16	8 43	20 1	1 16	11 20	0 10	6 34	1 2	13 38	3 34	13 28	0 39	15 29	1 20	22 31	0 23	12 19	1 41	21 48	9 57	14 42	15 7	27 3	12 55	7 4			
M17	9 5	14 57	0 3	12 1	0 3	6 9	1 4	13 29	3 29	13 25	0 39	15 29	1 20	22 31	0 24	12 19	1 41	21 48	9 56	14 42	15 8	27 2	12 53	7 4			
T 18	9 27	9 12	1n 9	12 40	0s 4	5 43	1 7	13 20	3 25	13 22	0 39	15 29	1 20	22 31	0 24	12 20	1 41	21 48	9 56	14 42	15 9	27 1	12 52	7 5			
W19	9 49	3 7	2 16	13 19	0 11	5 17	1 9	13 10	3 20	13 19	0 40	15 29	1 20	22 30	0 24	12 21	1 41	21 48	9 56	14 43	15 10	27 0	12 51	7 6			
T 20	10 10	3n 2	3 15	13 58	0 18	4 51	1 12	13 0	3 16	13 16	0 40	15 30	1 20	22 30	0 24	12 22	1 41	21 48	9 56	14 45	15 11	27 0	12 50	7 6			
F 21	10 32	8 56	4 2	14 35	0 25	4 25	1 14	12 50	3 12	13 13	0 40	15 30	1 20	22 30	0 24	12 22	1 41	21 48	9 56	14 48	15 12	26 59	12 49	7 7			
S 22	10 53	14 23	4 37	15 12	0 32	3 59	1 16	12 40	3 8	13 10	0 40	15 30	1 20	22 30	0 24	12 23	1 41	21 48	9 56	14 51	15 13	26 58	12 48	7 8			
S 23	11 14	19 7	4 56	15 47	0 38	3 32	1 18	12 30	3 4	13 7	0 40	15 30	1 20	22 30	0 24	12 24	1 41	21 48	9 55	14 55	15 14	26 57	12 46	7 8			
M24	11 35	22 55	5 1	16 22	0 45	3 5	1 20	12 19	2 59	13 4	0 40	15 30	1 20	22 31	0 24	12 24	1 41	21 48	9 55	14 59	15 15	26 56	12 45	7 9			
T 25	11 56	25 38	4 52	16 57	0 52	2 38	1 22	12 9	2 55	13 1	0 41	15 30	1 20	22 31	0 24	12 25	1 40	21 48	9 55	15 3	15 16	26 55	12 44	7 10			
W26	12 16	27 7	4 30	17 30	0 59	2 11	1 24	11 58	2 51	12 58	0 41	15 30	1 20	22 31	0 24	12 26	1 40	21 48	9 55	15 6	15 17	26 55	12 43	7 10			
T 27	12 37	27 19	3 56	18 2	1 5	1 44	1 26	11 47	2 47	12 55	0 41	15 30	1 20	22 31	0 24	12 27	1 40	21 48	9 55	15 8	15 18	26 54	12 42	7 11			
F 28	12 57	26 15	3 12	18 34	1 12	1 17	1 28	11 36	2 43	12 53	0 41	15 30	1 20	22 31	0 24	12 27	1 40	21 48	9 54	15 10	15 19	26 53	12 41	7 12			
S 29	13 17	24 1	2 20	19 4	1 18	0 49	1 29	11 25	2 40	12 50	0 41	15 30	1 20	22 31	0 24	12 28	1 40	21 48	9 54	15 11	15 20	26 52	12 40	7 13			
S 30	13 37	20 44	1 22	19 34	1 24	0 22	1 31	11 13	2 36	12 47	0 42	15 30	1 20	22 31	0 24	12 29	1 40	21 48	9 54	15 11	15 21	26 51	12 39	7 13			
M31	13s56	16n33	0n19	20s 3	1s31	0s 6	1n32	11s 1	2s32	12n45	0n42	15s29	1s20	22n31	0n24	12s29	1n40	21s47	9s54	15s11	15s22	26n50	12n38	7s14			

ASTRODIENST EPHEMERIS for the year 2287
geocentric

NOVEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 40 23	8♉19°19'	27♊28	24♉49	5♉ 1	8♉ 3	28♊19	21♉46	18°R34	7♉48	26°R56	18°R45	18♉ 7	5♉ 4	1♊59	T 1
W 2	2 44 20	9°19'12	10♈ 3	26°17	6°14	8°26	28°27	21°46	18°33	7°50	26°56	18°43	18° 4	5°11	2° 0	W 2
T 3	2 48 16	10°19'07	23° 1	27°43	7°28	8°49	28°34	21°47	18°33	7°52	26°56	18°39	18° 1	5°18	2° 1	T 3
F 4	2 52 13	11°19'03	6♉27	29°10	8°41	9°13	28°42	21°48	18°32	7°54	26°55	18°33	17°57	5°24	2° 2	F 4
S 5	2 56 9	12°19'02	20°19	0♉35	9°54	9°37	28°49	21°49	18°32	7°57	26°55	18°23	17°54	5°31	2° 3	S 5
S 6	3 0 6	13°19'03	4♉37	2° 0	11° 8	10° 1	28°57	21°50	18°31	7°59	26°55	18°12	17°51	5°38	2° 4	S 6
M 7	3 4 2	14°19'06	19°13	3°24	12°21	10°26	29° 4	21°51	18°30	8° 1	26°55	18° 0	17°48	5°44	2° 4	M 7
T 8	3 7 59	15°19'11	4♉ 2	4°47	13°35	10°51	29°11	21°52	18°30	8° 3	26°55	17°48	17°45	5°51	2° 5	T 8
W 9	3 11 55	16°19'18	18°54	6°10	14°48	11°17	29°18	21°53	18°29	8° 6	26°55	17°39	17°41	5°58	2° 5	W 9
T 10	3 15 52	17°19'26	3♉40	7°31	16° 2	11°43	29°25	21°55	18°28	8° 8	26°D55	17°31	17°38	6° 4	2° 6	T 10
F 11	3 19 49	18°19'36	18°14	8°51	17°15	12° 9	29°31	21°56	18°27	8°10	26°55	17°27	17°35	6°11	2° 6	F 11
S 12	3 23 45	19°19'47	2♉33	10°11	18°29	12°36	29°38	21°58	18°26	8°12	26°55	17°25	17°32	6°18	2° 6	S 12
S 13	3 27 42	20°20'00	16°33	11°29	19°43	13° 3	29°44	22° 0	18°25	8°14	26°55	17°25	17°29	6°24	2°R 6	S 13
M14	3 31 38	21°20'14	0♉16	12°46	20°57	13°30	29°50	22° 2	18°24	8°17	26°55	17°24	17°26	6°31	2° 6	M14
T 15	3 35 35	22°20'30	13°42	14° 1	22°11	13°58	29°56	22° 4	18°23	8°19	26°55	17°23	17°22	6°38	2° 6	T 15
W16	3 39 31	23°20'46	26°53	15°14	23°25	14°26	0♈ 2	22° 6	18°22	8°21	26°55	17°20	17°19	6°44	2° 6	W16
T 17	3 43 28	24°21'05	9♈52	16°26	24°39	14°55	0° 8	22° 8	18°21	8°23	26°56	17°13	17°16	6°51	2° 5	T 17
F 18	3 47 24	25°21'25	22°39	17°35	25°53	15°23	0°13	22°10	18°20	8°25	26°56	17° 4	17°13	6°58	2° 5	F 18
S 19	3 51 21	26°21'46	5♉16	18°43	27° 7	15°53	0°19	22°12	18°18	8°27	26°56	16°52	17°10	7° 4	2° 4	S 19
S 20	3 55 18	27°22'09	17°42	19°47	28°21	16°22	0°24	22°15	18°17	8°30	26°56	16°39	17° 6	7°11	2° 4	S 20
M21	3 59 14	28°22'34	29°59	20°48	29°35	16°51	0°29	22°17	18°16	8°32	26°57	16°24	17° 3	7°18	2° 3	M21
T 22	4 3 11	29°23'00	12♈ 6	21°46	0♈49	17°21	0°34	22°20	18°14	8°34	26°57	16°11	17° 0	7°25	2° 2	T 22
W23	4 7 7	0♉23'28	24° 5	22°41	2° 3	17°52	0°39	22°22	18°13	8°36	26°57	15°59	16°57	7°31	2° 1	W23
T 24	4 11 4	1°23'57	5♉57	23°30	3°18	18°22	0°43	22°25	18°11	8°38	26°57	15°50	16°54	7°38	2° 0	T 24
F 25	4 15 0	2°24'28	17°46	24°15	4°32	18°53	0°48	22°28	18°10	8°40	26°58	15°44	16°51	7°45	1°59	F 25
S 26	4 18 57	3°25'01	29°33	24°55	5°46	19°24	0°52	22°31	18° 8	8°42	26°58	15°40	16°47	7°51	1°58	S 26
S 27	4 22 53	4°25'35	11♊23	25°28	7° 1	19°55	0°56	22°34	18° 7	8°44	26°59	15°D39	16°44	7°58	1°57	S 27
M28	4 26 50	5°26'12	23°22	25°54	8°15	20°26	1° 0	22°37	18° 5	8°46	26°59	15°39	16°41	8° 5	1°55	M28
T 29	4 30 47	6°26'49	5♈34	26°12	9°30	20°58	1° 3	22°41	18° 3	8°49	27° 0	15°R39	16°38	8°11	1°54	T 29
W30	4 34 43	7♉27'29	18♈ 5	26♉22	10♈44	21♉30	1♈ 7	22°44	18° 2	8♈51	27° 0	15°39	16°35	8°18	1°52	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	decl	lat
T 1	14s16	11n37	0s46	20s30	1s37	0s33	1n34	10s50	2s28	12n42	0n42	15s29	1s19	22n31	0n24	12s30	1n40	21s47	9s54	15s11	15s23	26n49	12n37	7s15			
W 2	14 35	6 5	1 50	20 57	1 42	1 1	1 35	10 38	2 25	12 39	0 42	15 29	1 19	22 31	0 24	12 31	1 40	21 47	9 53	15 12	15 24	26 48	12 36	7 15			
T 3	14 54	0 9	2 51	21 23	1 48	1 29	1 36	10 26	2 21	12 37	0 42	15 29	1 19	22 31	0 24	12 32	1 41	21 47	9 53	15 13	15 25	26 47	12 35	7 16			
F 4	15 12	5s59	3 44	21 47	1 54	1 57	1 38	10 14	2 17	12 34	0 43	15 28	1 19	22 31	0 24	12 32	1 41	21 47	9 53	15 15	15 26	26 47	12 35	7 17			
S 5	15 31	12 1	4 25	22 11	1 59	2 24	1 39	10 1	2 14	12 32	0 43	15 28	1 19	22 31	0 24	12 33	1 41	21 47	9 53	15 18	15 27	26 46	12 34	7 17			
S 6	15 49	17 37	4 52	22 33	2 4	2 52	1 40	9 49	2 10	12 30	0 43	15 28	1 19	22 31	0 24	12 34	1 41	21 47	9 53	15 21	15 28	26 45	12 33	7 18			
M 7	16 7	22 19	5 0	22 55	2 9	3 20	1 41	9 36	2 7	12 27	0 43	15 27	1 19	22 32	0 24	12 34	1 41	21 47	9 53	15 25	15 29	26 44	12 32	7 19			
T 8	16 24	25 39	4 48	23 15	2 13	3 48	1 41	9 24	2 4	12 25	0 43	15 27	1 19	22 32	0 24	12 35	1 41	21 46	9 52	15 28	15 30	26 43	12 31	7 20			
W 9	16 42	27 13	4 17	23 34	2 18	4 15	1 42	9 11	2 0	12 23	0 44	15 26	1 19	22 32	0 24	12 36	1 41	21 46	9 52	15 31	15 30	26 42	12 30	7 20			
T 10	16 59	26 50	3 29	23 52	2 22	4 43	1 43	8 58	1 57	12 21	0 44	15 26	1 19	22 32	0 24	12 37	1 41	21 46	9 52	15 34	15 31	26 41	12 30	7 21			
F 11	17 16	24 36	2 27	24 8	2 25	5 11	1 43	8 45	1 54	12 19	0 44	15 25	1 19	22 32	0 24	12 37	1 41	21 46	9 52	15 35	15 32	26 40	12 29	7 22			
S 12	17 32	20 49	1 18	24 24	2 29	5 38	1 44	8 31	1 50	12 17	0 44	15 24	1 19	22 32	0 24	12 38	1 41	21 46	9 52	15 36	15 33	26 39	12 28	7 22			
S 13	17 48	15 55	0 5	24 38	2 32	6 6	1 44	8 18	1 47	12 15	0 44	15 24	1 19	22 32	0 24	12 39	1 41	21 45	9 51	15 36	15 34	26 38	12 28	7 23			
M14	18 4	10 19	1n 7	24 50	2 34	6 33	1 44	8 5	1 44	12 13	0 45	15 23	1 19	22 33	0 24	12 39	1 41	21 45	9 51	15 36	15 35	26 37	12 27	7 24			
T 15	18 20	4 20	2 14	25 2	2 36	7 0	1 45	7 51	1 41	12 11	0 45	15 22	1 19	22 33	0 24	12 40	1 41	21 45	9 51	15 36	15 36	26 36	12 26	7 24			
W16	18 35	1n42	3 12	25 12	2 38	7 27	1 45	7 38	1 38	12 9	0 45	15 22	1 18	22 33	0 24	12 41	1 41	21 45	9 51	15 37	15 37	26 35	12 26	7 25			
T 17	18 50	7 34	3 39	25 21	2 39	7 54	1 45	7 24	1 35	12 7	0 45	15 21	1 18	22 33	0 24	12 41	1 41	21 45	9 50	15 39	15 38	26 34	12 25	7 26			
F 18	19 4	13 2	4 34	25 28	2 40	8 21	1 45	7 10	1 32	12 5	0 46	15 20	1 18	22 33	0 24	12 42	1 41	21 44	9 50	15 42	15 39	26 33	12 24	7 27			
S 19	19 19	17 52	4 54	25 34	2 40	8 48	1 45	6 56	1 29	12 4	0 46	15 19	1 18	22 34	0 24	12 43	1 41	21 44	9 50	15 45	15 40	26 32	12 24	7 27			
S 20	19 33	21 53	5 0	25 39	2 39	9 14	1 45	6 42	1 26	12 2	0 46	15 19	1 18	22 34	0 24	12 43	1 41	21 44	9 50	15 49	15 41	26 31	12 23	7 28			
M21	19 46	24 52	4 52	25 42	2 38	9 41	1 44	6 28	1 24	12 0	0 46	15 18	1 18	22 34	0 25	12 44	1 41	21 43	9 50	15 54	15 42	26 30	12 23	7 29			
T 22	19 59	26 41	4 30	25 44	2 35	10 7	1 44	6 14	1 21	11 59	0 46	15 17	1 18	22 34	0 25	12 45	1 41	21 43	9 49	15 58	15 43	26 29	12 22	7 29			
W23	20 12	27 13	3 57	25 44	2 32	10 33	1 44	6 0	1 18	11 57	0 47	15 16	1 18	22 34	0 25	12 45	1 41	21 43	9 49	16 1	15 44	26 27	12 22	7 30			
T 24	20 25	26 30	3 14	25 43	2 29	10 59	1 43	5 45	1 16	11 56	0 47	15 15	1 18	22 35	0 25	12 46	1 41	21 43	9 49	16 4	15 45	26 26	12 21	7 31			
F 25	20 37	24 35	2 22	25 40	2 24	11 24	1 43	5 31	1 13	11 55	0 47	15 14	1 18	22 35	0 25	12 47	1 41	21 42	9 49	16 6	15 46	26 25	12 21	7 31			
S 26	20 48	21 36	1 25	25 36	2 18	11 49	1 42	5 16	1 10	11 53	0 47	15 13	1 18	22 35	0 25	12 47	1 41	21 42	9 49	16 7	15 47	26 24	12 21	7 32			
S 27	21 0	17 42	0 23	25 30	2 11	12 14	1 41	5 2	1 8	11 52	0 48	15 12	1 18	22 35	0 25	12 48	1 41	21 42	9 48	16 7	15 48	26 23	12 20	7 33			
M28	21 11	13 4	0s41	25 23	2 2	12 39	1 40	4 47	1 5	11 51	0 48	15 11	1 18	22 36	0 25	12 49	1 41	21 41	9 48	16 7	15 49	26 22	12 20	7 33			
T 29	21 21	7 51	1 44	25 14	1 53	13 4	1 40	4 32	1 3	11 50	0 48	15 10	1 18	22 36	0 25	12 49	1 41	21 41	9 48	16 7	15 50	26 21	12 20	7 34			
W30	21s31	2n12	2s44	25s 3	1s42	13s28	1n39	4s18	1s 0	11n49	0n48	15s 8	1s18	22n36	0n25	12s50	1n41	21s40	9s48	16s 7	15s51	26n20	12n19	7s35			

Julian Day Number = 2556673.5, Delta T = 276.44 sec
Ecliptic obliquity = 23°24'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°45'48, Lahiri = 27°52'49

ASTRODIENST EPHEMERIS for the year 2287

geocentric

DECEMBER 2287

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 38 40	8°28'10	0°59	26°R23	11°M59	22°K 2	1°M10	22°47	18°R 0	8°M53	27°1	15°R37	16°32	8°25	1°R51	T 1	
F 2	4 42 36	9°28'52	14°22	26°13	13°14	22°34	1°13	22°51	17°58	8°55	27° 1	15°32	16°28	8°31	1°49	F 2	
S 3	4 46 33	10°29'37	28°14	25°53	14°28	23° 6	1°16	22°55	17°56	8°57	27° 2	15°25	16°25	8°38	1°47	S 3	
S 4	4 50 29	11°30'22	12°M35	25°22	15°43	23°39	1°19	22°58	17°54	8°59	27° 2	15°16	16°22	8°45	1°45	S 4	
M 5	4 54 26	12°31'10	27°22	24°40	16°58	24°12	1°22	23° 2	17°52	9° 0	27° 3	15° 5	16°19	8°51	1°43	M 5	
T 6	4 58 22	13°31'58	12°26	23°48	18°12	24°45	1°24	23° 6	17°50	9° 2	27° 4	14°56	16°16	8°58	1°41	T 6	
W 7	5 2 19	14°32'48	27°37	22°46	19°27	25°18	1°26	23°10	17°48	9° 4	27° 5	14°47	16°12	9° 5	1°39	W 7	
T 8	5 6 16	15°33'39	12°346	21°35	20°42	25°52	1°28	23°14	17°46	9° 6	27° 5	14°41	16° 9	9°11	1°36	T 8	
F 9	5 10 12	16°34'31	27°42	20°18	21°57	26°25	1°30	23°18	17°44	9° 8	27° 6	14°37	16° 6	9°18	1°34	F 9	
S 10	5 14 9	17°35'24	12°19	18°56	23°12	26°59	1°32	23°22	17°42	9°10	27° 7	14°D36	16° 3	9°25	1°32	S 10	
S 11	5 18 5	18°36'17	26°32	17°33	24°27	27°33	1°33	23°27	17°40	9°12	27° 8	14°36	16° 0	9°31	1°29	S 11	
M12	5 22 2	19°37'11	10°K22	16°12	25°41	28° 7	1°35	23°31	17°38	9°14	27° 8	14°37	15°57	9°38	1°27	M12	
T 13	5 25 58	20°38'06	23°48	14°54	26°56	28°42	1°36	23°35	17°35	9°15	27° 9	14°R38	15°53	9°45	1°24	T 13	
W14	5 29 55	21°39'02	6°Y54	13°43	28°11	29°16	1°36	23°40	17°33	9°17	27°10	14°36	15°50	9°51	1°21	W14	
T 15	5 33 52	22°39'58	19°43	12°40	29°26	29°51	1°37	23°45	17°31	9°19	27°11	14°33	15°47	9°58	1°18	T 15	
F 16	5 37 48	23°40'55	2°17	11°48	0°41	0°Y26	1°38	23°49	17°29	9°21	27°12	14°27	15°44	10° 5	1°15	F 16	
S 17	5 41 45	24°41'52	14°38	11° 6	1°56	1° 0	1°38	23°54	17°26	9°22	27°13	14°19	15°41	10°11	1°12	S 17	
S 18	5 45 41	25°42'50	26°51	10°35	3°11	1°35	1°R38	23°59	17°24	9°24	27°14	14°10	15°38	10°18	1° 9	S 18	
M19	5 49 38	26°43'49	8°II55	10°16	4°26	2°11	1°38	24° 4	17°22	9°26	27°15	14° 0	15°34	10°25	1° 6	M19	
T 20	5 53 34	27°44'49	20°53	10°D 7	5°41	2°46	1°38	24° 9	17°19	9°27	27°16	13°51	15°31	10°31	1° 3	T 20	
W21	5 57 31	28°45'49	2°46	10° 9	6°56	3°21	1°37	24°14	17°17	9°29	27°17	13°43	15°28	10°38	1° 0	W21	
T 22	6 1 27	29°46'50	14°35	10°20	8°11	3°57	1°36	24°19	17°14	9°31	27°18	13°37	15°25	10°45	0°56	T 22	
F 23	6 5 24	0°37'47"52	26°24	10°40	9°26	4°32	1°35	24°24	17°12	9°32	27°19	13°33	15°22	10°51	0°53	F 23	
S 24	6 9 21	1°48'54	8°II3	11° 8	10°41	5° 8	1°34	24°29	17°10	9°34	27°20	13°D31	15°19	10°58	0°50	S 24	
S 25	6 13 17	2°49'58	20° 6	11°43	11°57	5°44	1°33	24°35	17° 7	9°35	27°21	13°31	15°15	11° 5	0°46	S 25	
M26	6 17 14	3°51'01	2°M 6	12°25	13°12	6°20	1°32	24°40	17° 5	9°37	27°22	13°33	15°12	11°11	0°42	M26	
T 27	6 21 10	4°52'06	14°18	13°12	14°27	6°56	1°30	24°45	17° 2	9°38	27°23	13°34	15° 9	11°18	0°39	T 27	
W28	6 25 7	5°53'11	26°47	14° 4	15°42	7°32	1°28	24°51	16°59	9°40	27°25	13°36	15° 6	11°25	0°35	W28	
T 29	6 29 3	6°54'17	9°26	15° 0	16°57	8° 8	1°26	24°57	16°57	9°41	27°26	13°R36	15° 3	11°31	0°31	T 29	
F 30	6 33 0	7°55'24	22°31	16° 0	18°12	8°45	1°24	25° 2	16°54	9°43	27°27	13°35	14°59	11°38	0°28	F 30	
S 31	6 36 56	8°56'31	6°M33	17°4 4	19°27	9°Y21	1°M21	25°8 8	16°52	9°M44	27°28	13°32	14°56	11°45	0°24	S 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	21s41	3s43	3s37	24s50	1s29	13s52	1n38	4s 3	0s58	11n48	0n49	15s 7	1s18	22n36	0n25	12s50	1n41
F 2	21 50	9 39	4 20	24 36	1 15	14 15	1 37	3 48	0 55	11 47	0 49	15 6	1 18	22 37	0 25	12 51	1 41
S 3	21 59	15 21	4 50	24 20	1 0	14 38	1 35	3 33	0 53	11 46	0 49	15 5	1 17	22 37	0 25	12 52	1 41
S 4	22 8	20 24	5 3	24 2	0 43	15 1	1 34	3 18	0 51	11 45	0 49	15 4	1 17	22 37	0 25	12 52	1 41
M 5	22 16	24 21	4 57	23 43	0 25	15 23	1 33	3 3	0 49	11 45	0 50	15 2	1 17	22 37	0 25	12 53	1 41
T 6	22 23	26 43	4 30	23 21	0 6	15 45	1 32	2 48	0 46	11 44	0 50	15 1	1 17	22 38	0 25	12 53	1 41
W 7	22 31	27 6	3 44	22 58	0n14	16 7	1 30	2 32	0 44	11 44	0 50	15 0	1 17	22 38	0 25	12 54	1 41
T 8	22 37	25 28	2 42	22 34	0 34	16 28	1 29	2 17	0 42	11 43	0 50	14 58	1 17	22 38	0 25	12 55	1 41
F 9	22 44	22 3	1 29	22 8	0 55	16 49	1 27	2 2	0 40	11 43	0 51	14 57	1 17	22 39	0 25	12 55	1 41
S 10	22 50	17 17	0 12	21 42	1 14	17 10	1 26	1 46	0 38	11 42	0 51	14 55	1 17	22 39	0 25	12 56	1 41
S 11	22 55	11 39	1n 4	21 17	1 33	17 30	1 24	1 31	0 36	11 42	0 51	14 54	1 17	22 39	0 25	12 56	1 41
M12	23 0	5 36	2 14	20 51	1 50	17 49	1 22	1 16	0 34	11 42	0 51	14 52	1 17	22 39	0 25	12 57	1 41
T 13	23 4	0n31	3 14	20 28	2 6	18 8	1 21	1 0	0 32	11 42	0 52	14 51	1 17	22 40	0 25	12 57	1 41
W14	23 8	6 28	4 3	20 7	2 19	18 27	1 19	0 45	0 30	11 42	0 52	14 49	1 17	22 40	0 25	12 58	1 41
T 15	23 12	12 0	4 39	19 48	2 30	18 45	1 17	0 29	0 28	11 42	0 52	14 48	1 17	22 40	0 25	12 58	1 41
F 16	23 15	16 56	5 0	19 33	2 39	19 19	2 15	0 14	0 26	11 42	0 52	14 46	1 17	22 41	0 25	12 59	1 42
S 17	23 18	21 5	5 7	19 21	2 45	19 19	1 13	0n 2	0 24	11 42	0 53	14 45	1 17	22 41	0 25	12 59	1 42
S 18	23 20	24 16	4 59	19 13	2 49	19 36	1 11	0 18	0 22	11 42	0 53	14 43	1 17	22 41	0 25	13 0	1 42
M19	23 22	26 20	4 39	19 8	2 51	19 52	1 9	0 33	0 20	11 42	0 53	14 41	1 17	22 42	0 25	13 0	1 42
T 20	23 23	27 11	4 6	19 6	2 52	20 7	1 7	0 49	0 18	11 43	0 53	14 39	1 17	22 42	0 25	13 1	1 42
W21	23 24	26 45	3 22	19 7	2 51	20 22	1 5	1 5	0 17	11 43	0 54	14 38	1 17	22 42	0 25	13 1	1 42
T 22	23 24	25 6	2 30	19 11	2 48	20 36	1 3	1 20	0 15	11 43	0 54	14 36	1 17	22 43	0 25	13 2	1 42
F 23	23 24	22 21	1 32	19 18	2 45	20 50	1 1	1 36	0 13	11 44	0 54	14 34	1 17	22 43	0 25	13 2	1 42
S 24	23 23	18 39	0 29	19 26	2 40	21 3	0 59	1 52	0 12	11 45	0 54	14 32	1 16	22 43	0 25	13 3	1 42
S 25	23 22	14 12	0s36	19 36	2 34	21 15	0 56	2 7	0 10	11 45	0 55	14 31	1 16	22 44	0 25	13 3	1 42
M26	23 21	9 10	1 39	19 48	2 28	21 27	0 54	2 23	0 8	11 46	0 55	14 29	1 16	22 44	0 25	13 3	1 42
T 27	23 19	3 42	2 40	20 0	2 22	21 38	0 52	2 39	0 7	11 47	0 55	14 27	1 16	22 44	0 25	13 4	1 42
W28	23 16	2s 0	3 34	20 14	2 14	21 49	0 49	2 54	0 5	11 48	0 55	14 25	1 16	22 45	0 25	13 4	1 42
T 29	23 13	7 46	4 19	20 28	2 7	21 59	0 47	3 10	0 4	11 49	0 56	14 23	1 16	22 45	0 25	13 5	1 42
F 30	23 10	13 23	4 52	20 42	1 59	22 8	0 45	3 26	0 2	11 50	0 56	14 21	1 16	22 45	0 25	13 5	1 42
S 31	23s 6	18s33	5s10	20s56	1n51	22s17	0n42	3n42	0s 1	11n51	0n56	14s19	1s16	22n46	0n25	13s 5	1n42

Julian Day Number = 2556703.5, Delta T = 276.57 sec
 Ecliptic obliquity = 23°24'13", Nutation = 0°00'11", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 28°45'53", Lahiri = 27°52'53"