



Astrodienst Ephemeris Tables for the year 2293

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 2293
geocentric

JANUARY 2293

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 44 0	10 ³ 45'41	17 ² 24	17°R38	10 ³ 48	4 ³ 9	14 ³ 7	24 ⁴ 2	10°R41	20 ² 24	4 ³ 24	9°D28	8 ² 8	5 ² 16	19 ² 4	S 1
M 2	6 47 56	11°46'49	0 ² 29	16 ³ 26	12° 4	4°54	14°21	24° 2	10 ² 38	20°25	4°25	9 ² 29	8° 5	5°23	19° 8	M 2
T 3	6 51 53	12°47'58	13°15	15° 7	13°19	5°39	14°34	24° 3	10°36	20°27	4°26	9°R29	8° 2	5°30	19°11	T 3
W 4	6 55 49	13°49'06	25°47	13°46	14°35	6°24	14°48	24° 4	10°34	20°28	4°27	9°28	7°59	5°36	19°15	W 4
T 5	6 59 46	14°50'16	8 ² 7	12°24	15°50	7° 9	15° 2	24° 5	10°32	20°30	4°29	9°24	7°56	5°43	19°18	T 5
F 6	7 3 42	15°51'25	20°18	11° 5	17° 6	7°54	15°16	24° 6	10°29	20°31	4°30	9°17	7°52	5°50	19°21	F 6
S 7	7 7 39	16°52'35	2 ³ 22	9°50	18°21	8°39	15°30	24° 7	10°27	20°33	4°31	9° 8	7°49	5°57	19°25	S 7
S 8	7 11 36	17°53'45	14°22	8°42	19°37	9°24	15°44	24° 9	10°25	20°34	4°32	8°55	7°46	6° 3	19°28	S 8
M 9	7 15 32	18°54'55	26°17	7°42	20°52	10° 9	15°58	24°10	10°22	20°36	4°34	8°42	7°43	6°10	19°31	M 9
T 10	7 19 29	19°56'05	8 ² 10	6°52	22° 8	10°55	16°12	24°12	10°20	20°37	4°35	8°28	7°40	6°17	19°34	T 10
W11	7 23 25	20°57'14	20° 1	6°11	23°23	11°40	16°26	24°13	10°18	20°38	4°36	8°14	7°37	6°24	19°36	W11
T 12	7 27 22	21°58'24	1 ³ 53	5°41	24°39	12°25	16°39	24°15	10°15	20°40	4°37	8° 2	7°33	6°30	19°39	T 12
F 13	7 31 18	22°59'33	13°48	5°20	25°54	13°11	16°53	24°17	10°13	20°41	4°39	7°53	7°30	6°37	19°41	F 13
S 14	7 35 15	24° 0'41	25°49	5°10	27°10	13°56	17° 7	24°19	10°10	20°42	4°40	7°47	7°27	6°44	19°44	S 14
S 15	7 39 11	25° 1'49	8 ² 0	5°D 8	28°25	14°41	17°21	24°21	10° 8	20°43	4°41	7°44	7°24	6°50	19°46	S 15
M16	7 43 8	26° 2'57	20°25	5°15	29°41	15°27	17°35	24°23	10° 5	20°45	4°43	7°43	7°21	6°57	19°48	M16
T 17	7 47 5	27° 4'04	3 ² 10	5°30	0 ² 56	16°12	17°49	24°26	10° 3	20°46	4°44	7°43	7°17	7° 4	19°50	T 17
W18	7 51 1	28° 5'11	16°20	5°52	2°12	16°58	18° 2	24°28	10° 0	20°47	4°46	7°42	7°14	7°11	19°52	W18
T 19	7 54 58	29° 6'16	29°57	6°20	3°27	17°44	18°16	24°31	9°58	20°48	4°47	7°41	7°11	7°17	19°54	T 19
F 20	7 58 54	0 ² 7'22	14 ² 4	6°55	4°42	18°29	18°30	24°33	9°55	20°49	4°48	7°37	7° 8	7°24	19°56	F 20
S 21	8 2 51	1° 8'26	28°41	7°34	5°58	19°15	18°44	24°36	9°52	20°50	4°50	7°31	7° 5	7°31	19°57	S 21
S 22	8 6 47	2° 9'30	13 ² 43	8°19	7°13	20° 1	18°58	24°39	9°50	20°51	4°51	7°21	7° 2	7°37	19°59	S 22
M23	8 10 44	3°10'33	29° 1	9° 8	8°29	20°46	19°11	24°42	9°47	20°52	4°53	7°10	6°58	7°44	20° 0	M23
T 24	8 14 40	4°11'36	14 ² 24	10° 1	9°44	21°32	19°25	24°45	9°45	20°53	4°54	6°58	6°55	7°51	20° 1	T 24
W25	8 18 37	5°12'38	29°40	10°57	10°59	22°18	19°39	24°48	9°42	20°54	4°56	6°47	6°52	7°58	20° 2	W25
T 26	8 22 34	6°13'39	14 ² 39	11°57	12°15	23° 4	19°52	24°51	9°39	20°55	4°57	6°38	6°49	8° 4	20° 3	T 26
F 27	8 26 30	7°14'40	29°13	12°59	13°30	23°50	20° 6	24°55	9°37	20°56	4°59	6°32	6°46	8°11	20° 4	F 27
S 28	8 30 27	8°15'41	13 ² 17	14° 4	14°46	24°36	20°19	24°58	9°34	20°56	5° 0	6°29	6°43	8°18	20° 5	S 28
S 29	8 34 23	9°16'41	26°52	15°11	16° 1	25°22	20°33	25° 1	9°32	20°57	5° 2	6°28	6°39	8°25	20° 5	S 29
M30	8 38 20	10°17'41	10 ² 5	16°21	17°16	26° 8	20°47	25° 5	9°29	20°58	5° 3	6°27	6°36	8°31	20° 6	M30
T 31	8 42 16	11°18'40	22 ² 45	17 ² 32	18°32	26 ² 54	21 ² 3	25 ² 9	9°26	20 ² 59	5 ² 5	6°12	6°13	8°38	20 ² 6	T 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	decl	lat
S 1	22s58	8s35	1s55	20s33	1n43	23s29	0s32	24s 1	0s41	22s41	0s 1	6m56	2s33	18n10	0n39	16s10	1n42	20s24	11s20	14s37	14s12	13s56	9s21	2s 3			
M 2	22 53	12 22	0 48	20 23	2 1	23 25	0 34	24 0	0 41	22 39	0 2	6 57	2 33	18 10	0 39	16 11	1 42	20 23	11 20	14 38	14 11	13 54	9 23	2 3			
T 3	22 47	15 28	0n20	20 15	2 18	23 20	0 36	23 59	0 42	22 38	0 2	6 57	2 32	18 11	0 39	16 11	1 42	20 23	11 19	14 38	14 10	13 52	9 24	2 3			
W 4	22 41	17 47	1 26	20 9	2 33	23 14	0 38	23 57	0 43	22 36	0 2	6 58	2 32	18 11	0 39	16 12	1 42	20 22	11 19	14 37	14 9	13 51	9 25	2 3			
T 5	22 34	19 13	2 26	20 3	2 47	23 8	0 41	23 55	0 43	22 35	0 2	6 58	2 32	18 12	0 39	16 12	1 42	20 22	11 19	14 36	14 8	13 49	9 26	2 3			
F 6	22 28	19 44	3 19	19 59	2 57	23 1	0 43	23 53	0 44	22 33	0 2	6 59	2 32	18 13	0 39	16 12	1 42	20 21	11 19	14 34	14 7	13 48	9 28	2 3			
S 7	22 20	19 21	4 2	19 57	3 6	22 53	0 45	23 51	0 44	22 32	0 2	7 0	2 31	18 13	0 40	16 13	1 42	20 20	11 19	14 31	14 6	13 46	9 29	2 3			
S 8	22 12	18 5	4 34	19 56	3 11	22 44	0 47	23 48	0 45	22 30	0 2	7 0	2 31	18 14	0 40	16 13	1 43	20 20	11 19	14 27	14 5	13 44	9 30	2 3			
M 9	22 4	16 3	4 54	19 56	3 15	22 35	0 49	23 46	0 45	22 29	0 2	7 1	2 31	18 15	0 40	16 13	1 43	20 19	11 18	14 23	14 4	13 43	9 31	2 3			
T 10	21 55	13 21	5 1	19 58	3 16	22 25	0 51	23 42	0 46	22 27	0 2	7 2	2 30	18 15	0 40	16 14	1 43	20 19	11 18	14 18	14 3	13 41	9 32	2 2			
W11	21 46	10 7	4 55	20 1	3 15	22 15	0 53	23 39	0 46	22 26	0 2	7 3	2 30	18 16	0 40	16 14	1 43	20 18	11 18	14 14	14 2	13 39	9 33	2 2			
T 12	21 37	6 30	4 36	20 5	3 12	22 3	0 55	23 36	0 47	22 24	0 2	7 4	2 30	18 17	0 40	16 14	1 43	20 17	11 18	14 10	14 1	13 38	9 34	2 2			
F 13	21 27	2 36	4 5	20 10	3 8	21 51	0 56	23 32	0 47	22 23	0 3	7 5	2 30	18 17	0 40	16 14	1 43	20 17	11 18	14 7	13 59	13 36	9 34	2 2			
S 14	21 16	1n26	3 22	20 16	3 2	21 39	0 58	23 28	0 47	22 21	0 3	7 6	2 29	18 18	0 40	16 15	1 43	20 16	11 18	14 5	13 58	13 34	9 35	2 2			
S 15	21 5	5 28	2 30	20 23	2 55	21 25	1 0	23 23	0 48	22 19	0 3	7 7	2 29	18 19	0 40	16 15	1 43	20 15	11 18	14 4	13 57	13 33	9 36	2 2			
M16	20 54	9 21	1 30	20 30	2 48	21 11	1 2	23 18	0 48	22 18	0 3	7 8	2 29	18 20	0 40	16 15	1 43	20 15	11 17	14 4	13 56	13 31	9 37	2 2			
T 17	20 43	12 56	0 24	20 38	2 39	20 57	1 3	23 14	0 49	22 16	0 3	7 9	2 28	18 20	0 40	16 15	1 43	20 14	11 17	14 4	13 55	13 30	9 37	2 2			
W18	20 31	15 58	0s45	20 46	2 31	20 42	1 5	23 8	0 49	22 14	0 3	7 10	2 28	18 21	0 40	16 16	1 43	20 13	11 17	14 3	13 54	13 28	9 38	2 2			
T 19	20 18	18 14	1 55	20 54	2 21	20 26	1 7	23 3	0 50	22 12	0 3	7 11	2 28	18 22	0 40	16 16	1 43	20 13	11 17	14 3	13 53	13 26	9 39	2 2			
F 20	20 5	19 29	2 59	21 2	2 12	20 10	1 8	22 57	0 50	22 11	0 3	7 13	2 28	18 22	0 40	16 16	1 43	20 12	11 17	14 2	13 52	13 25	9 39	2 1			
S 21	19 52	19 29	3 55	21 9	2 2	19 53	1 10	22 51	0 51	22 9	0 3	7 14	2 27	18 23	0 40	16 16	1 43	20 11	11 17	14 0	13 51	13 23	9 40	2 1			
S 22	19 39	18 8	4 35	21 16	1 52	19 35	1 11	22 45	0 51	22 7	0 3	7 15	2 27	18 24	0 40	16 17	1 43	20 11	11 17	13 57	13 50	13 21	9 40	2 1			
M23	19 25	15 28	4 57	21 23	1 42	19 17	1 13	22 39	0 52	22 5	0 4	7 16	2 27	18 24	0 40	16 17	1 43	20 10	11 17	13 53	13 49	13 20	9 41	2 1			
T 24	19 11	11 44	4 58	21 29	1 32	18 58	1 14	22 32	0 52	22 3	0 4	7 18	2 27	18 25	0 40	16 17	1 43	20 10	11 17	13 49	13 48	13 18	9 41	2 1			
W25	18 56	7 15	4 37	21 35	1 22	18 39	1 15	22 25	0 53	22 1	0 4	7 19	2 26	18 26	0 40	16 17	1 43	20 9	11 16	13 46	13 47	13 16	9 41	2 1			
T 26	18 41	2 23	3 57	21 40	1 12	18 19	1 16	22 18	0 53	22 0	0 4	7 21	2 26	18 27	0 40	16 17	1 43	20 8	11 16	13 43	13 46	13 15	9 41	2 1			
F 27	18 26	2s29	3 3	21 44	1 2	17 59	1 18	22 11	0 53	21 58	0 4	7 22	2 26	18 27	0 40	16 18	1 44	20 8	11 16	13 41	13 45	13 13	9 42	2 1			
S 28	18 10	7 4	1 59	21 47	0 53	17 38	1 19	22 3	0 54	21 56	0 4	7 23	2 25	18 28	0 40	16 18	1 44	20 7	11 16	13 39	13 44	13 11	9 42	2 1			
S 29	17 54	11 7	0 50	21 49	0 43	17 17	1 20	21 55	0 54	21 54	0 4	7 25	2 25	18 29	0 40	16 18	1 44	20 6	11 16	13 39	13 43	13 10	9 42	2 0			
M30	17 38	14 30	0n19	21 51	0 34	16 55	1 21	21 47	0 55	21 52	0 4	7 27	2 25	18 29	0 40	16 18	1 44	20 6	11 16	13 39	13 42	13 8	9 42	2 0			
T 31	17s21	17s 3	1n25	21s51	0n24	16s33	1s22	21s39	0s55	21s50	0s 4	7n28	2s25	18n30	0n40	16s18	1n44	20s 5	11s16	13s39	13s41	13s 6	9s42	2s 0			

ASTRODIENST EPHEMERIS for the year 2293

geocentric

MARCH 2293

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 36 36	10 ^h 39'00	14 ^m 1	0 ^h 34	24 ^m 50	19 ^s 21	27 ^h 11	27 ^h 33	8 ^h R16	21 ^h R 5	5 ^h 53	3 ^h R37	5 ^m 1	11 ^s 53	19 ^h R25	W 1
T 2	10 40 33	11 ^h 39'21	26 ^m 15	2 ^h 17	26 ^m 5	20 ^s 8	27 ^h 23	27 ^h 39	8 ^h 14	21 ^h 15	5 ^h 55	3 ^h 36	4 ^m 58	12 ^s 0	19 ^h 22	T 2
F 3	10 44 30	12 ^h 39'41	8 ^m 16	4 ^h 1	27 ^m 19	20 ^s 54	27 ^h 35	27 ^h 45	8 ^h 12	21 ^h 4	5 ^h 57	3 ^h 32	4 ^m 55	12 ^s 6	19 ^h 19	F 3
S 4	10 48 26	13 ^h 39'59	20 ^m 11	5 ^h 47	28 ^m 34	21 ^s 41	27 ^h 47	27 ^h 51	8 ^h 10	21 ^h 4	5 ^h 58	3 ^h 27	4 ^m 51	12 ^s 13	19 ^h 16	S 4
S 5	10 52 23	14 ^h 40'15	2 ^m 2	7 ^h 33	29 ^m 49	22 ^s 28	27 ^h 58	27 ^h 57	8 ^h 8	21 ^h 3	6 ^h 0	3 ^h 19	4 ^m 48	12 ^s 20	19 ^h 13	S 5
M 6	10 56 19	15 ^h 40'30	13 ^m 53	9 ^h 20	1 ^h Y 4	23 ^s 15	28 ^h 10	28 ^h 3	8 ^h 6	21 ^h 3	6 ^h 2	3 ^h 10	4 ^m 45	12 ^s 27	19 ^h 9	M 6
T 7	11 0 16	16 ^h 40'43	25 ^m 46	11 ^h 9	2 ^h 18	24 ^s 2	28 ^h 21	28 ^h 10	8 ^h 4	21 ^h 3	6 ^h 3	3 ^h 1	4 ^m 42	12 ^s 33	19 ^h 6	T 7
W 8	11 4 12	17 ^h 40'54	7 ^m 44	12 ^h 58	3 ^h 33	24 ^s 49	28 ^h 33	28 ^h 16	8 ^h 2	21 ^h 2	6 ^h 5	2 ^h 52	4 ^m 39	12 ^s 40	19 ^h 2	W 8
T 9	11 8 9	18 ^h 41'04	19 ^m 48	14 ^h 48	4 ^h 48	25 ^s 35	28 ^h 44	28 ^h 23	8 ^h 0	21 ^h 2	6 ^h 7	2 ^h 44	4 ^m 35	12 ^s 47	18 ^h 59	T 9
F 10	11 12 5	19 ^h 41'12	1 ^h Y59	16 ^h 40	6 ^h 2	26 ^s 22	28 ^h 55	28 ^h 29	7 ^h 58	21 ^h 1	6 ^h 8	2 ^h 38	4 ^m 32	12 ^s 53	18 ^h 55	F 10
S 11	11 16 2	20 ^h 41'18	14 ^m 19	18 ^h 32	7 ^h 17	27 ^s 9	29 ^h 6	28 ^h 36	7 ^h 57	21 ^h 0	6 ^h 10	2 ^h 34	4 ^m 29	13 ^s 0	18 ^h 51	S 11
S 12	11 19 58	21 ^h 41'22	26 ^m 48	20 ^h 26	8 ^h 31	27 ^s 56	29 ^h 17	28 ^h 42	7 ^h 55	21 ^h 0	6 ^h 12	2 ^h D32	4 ^m 26	13 ^s 7	18 ^h 48	S 12
M13	11 23 55	22 ^h 41'24	9 ^m 29	22 ^h 20	9 ^h 46	28 ^s 43	29 ^h 28	28 ^h 49	7 ^h 53	20 ^h 59	6 ^h 13	2 ^h 32	4 ^m 23	13 ^s 14	18 ^h 44	M13
T 14	11 27 52	23 ^h 41'24	22 ^m 33	24 ^m 16	11 ^h 0	29 ^s 30	29 ^h 39	28 ^h 56	7 ^h 52	20 ^h 58	6 ^h 15	2 ^h 33	4 ^m 20	13 ^s 20	18 ^h 40	T 14
W15	11 31 48	24 ^h 41'22	5 ^m II33	26 ^m 12	12 ^h 15	0 ^h 17	29 ^h 50	29 ^h 2	7 ^h 50	20 ^h 58	6 ^h 17	2 ^h 35	4 ^m 16	13 ^s 27	18 ^h 36	W15
T 16	11 35 45	25 ^h 41'18	19 ^m 1	28 ^h 9	13 ^m 29	1 ^h 4	0 ^h 1	29 ^h 9	7 ^h 49	20 ^h 57	6 ^h 18	2 ^h 36	4 ^m 13	13 ^s 34	18 ^h 32	T 16
F 17	11 39 41	26 ^h 41'11	2 ^h 549	0 ^h Y 7	14 ^m 44	1 ^s 51	0 ^h 11	29 ^h 16	7 ^h 47	20 ^h 56	6 ^h 20	2 ^h R36	4 ^m 10	13 ^s 41	18 ^h 27	F 17
S 18	11 43 38	27 ^h 41'03	16 ^m 57	2 ^h 5	15 ^m 58	2 ^s 38	0 ^h 22	29 ^h 23	7 ^h 46	20 ^h 55	6 ^h 21	2 ^h 34	4 ^m 7	13 ^s 47	18 ^h 23	S 18
S 19	11 47 34	28 ^h 40'52	1 ^h 25	4 ^h 4	17 ^m 12	3 ^s 25	0 ^h 32	29 ^h 30	7 ^h 44	20 ^h 55	6 ^h 23	2 ^h 31	4 ^m 4	13 ^s 54	18 ^h 19	S 19
M20	11 51 31	29 ^h 40'39	16 ^m 7	6 ^h 3	18 ^m 27	4 ^s 12	0 ^h 42	29 ^h 37	7 ^h 43	20 ^h 54	6 ^h 25	2 ^h 27	4 ^m 0	14 ^s 1	18 ^h 15	M20
T 21	11 55 27	0 ^h Y40'23	1 ^h 0 0	8 ^h 2	19 ^m 41	4 ^s 59	0 ^h 52	29 ^h 44	7 ^h 42	20 ^h 53	6 ^h 26	2 ^h 23	3 ^m 57	14 ^s 7	18 ^h 10	T 21
W22	11 59 24	1 ^h 40'06	15 ^m 54	10 ^h 0	20 ^m 55	5 ^s 46	1 ^h 2	29 ^h 51	7 ^h 40	20 ^h 52	6 ^h 28	2 ^h 18	3 ^m 54	14 ^s 14	18 ^h 6	W22
T 23	12 3 21	2 ^h 39'46	0 ^h 42	11 ^h 59	22 ^m 9	6 ^s 32	1 ^h 12	29 ^h 58	7 ^h 39	20 ^h 51	6 ^h 29	2 ^h 14	3 ^m 51	14 ^s 21	18 ^h 1	T 23
F 24	12 7 17	3 ^h 39'24	15 ^m 15	13 ^h 56	23 ^m 24	7 ^s 19	1 ^h 22	0 ^h 5	7 ^h 38	20 ^h 50	6 ^h 31	2 ^h 12	3 ^m 48	14 ^s 28	17 ^h 57	F 24
S 25	12 11 14	4 ^h 39'01	29 ^m 27	15 ^m 53	24 ^m 38	8 ^s 6	1 ^h 32	0 ^h 12	7 ^h 37	20 ^h 49	6 ^h 32	2 ^h D11	3 ^m 45	14 ^s 34	17 ^h 52	S 25
S 26	12 15 10	5 ^h 38'35	13 ^m 15	17 ^h 48	25 ^m 52	8 ^s 53	1 ^h 41	0 ^h 19	7 ^h 36	20 ^h 48	6 ^h 34	2 ^h 11	3 ^m 41	14 ^s 41	17 ^h 48	S 26
M27	12 19 7	6 ^h 38'08	26 ^m 38	19 ^h 41	27 ^m 6	9 ^s 40	1 ^h 51	0 ^h 26	7 ^h 35	20 ^h 47	6 ^h 35	2 ^h 13	3 ^m 38	14 ^s 48	17 ^h 43	M27
T 28	12 23 3	7 ^h 37'39	9 ^m 26	21 ^h 32	28 ^m 20	10 ^s 27	2 ^h 0	0 ^h 34	7 ^h 34	20 ^h 46	6 ^h 37	2 ^h 14	3 ^m 35	14 ^s 54	17 ^h 38	T 28
W29	12 27 0	8 ^h 37'09	22 ^m 12	23 ^m 20	29 ^m 34	11 ^s 14	2 ^h 9	0 ^h 41	7 ^h 33	20 ^h 45	6 ^h 38	2 ^h 16	3 ^m 32	15 ^s 1	17 ^h 34	W29
T 30	12 30 56	9 ^h 36'36	4 ^m 30	25 ^m 6	0 ^h 48	12 ^s 1	2 ^h 19	0 ^h 48	7 ^h 32	20 ^h 44	6 ^h 40	2 ^h R17	3 ^m 29	15 ^s 8	17 ^h 29	T 30
F 31	12 34 53	10 ^h Y36'02	16 ^m 35	26 ^h Y47	2 ^h 2	12 ^s 48	2 ^h 28	0 ^h 56	7 ^h 31	20 ^h 43	6 ^h 41	2 ^h 17	3 ^m 26	15 ^s 15	17 ^h 24	F 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7s34	19s 9	3n19	13s15	2s 8	3s18	1s22	16s 2	1s 5	20s48	0s 7	8n26	2s18	18n49	0n40	16s18	1n45	19s47	11s16	12s42	13s10	12s17	9s22	1s55					
T 2	7 11	19 16	4 4	12 39	2 9	2 47	1 21	15 47	1 5	20 46	0 7	8 28	2 18	18 49	0 40	16 18	1 46	19 46	11 16	12 42	13 9	12 15	9 21	1 55					
F 3	6 48	18 31	4 38	12 1	2 8	2 17	1 20	15 32	1 6	20 44	0 8	8 30	2 18	18 50	0 40	16 18	1 46	19 46	11 16	12 40	13 8	12 14	9 19	1 55					
S 4	6 25	16 58	4 59	11 21	2 8	1 46	1 18	15 18	1 6	20 42	0 8	8 33	2 18	18 50	0 40	16 18	1 46	19 45	11 16	12 39	13 7	12 12	9 18	1 55					
S 5	6 2	14 41	5 7	10 41	2 7	1 15	1 17	15 3	1 6	20 40	0 8	8 35	2 18	18 51	0 40	16 17	1 46	19 44	11 16	12 36	13 6	12 10	9 16	1 54					
M 6	5 38	11 49	5 1	9 59	2 5	0 45	1 16	14 48	1 6	20 37	0 8	8 37	2 17	18 51	0 40	16 17	1 46	19 44	11 16	12 33	13 5	12 9	9 15	1 54					
T 7	5 15	8 28	4 43	9 16	2 3	0 14	1 15	14 32	1 7	20 35	0 8	8 40	2 17	18 52	0 40	16 17	1 46	19 43	11 16	12 30	13 4	12 7	9 13	1 54					
W 8	4 52	4 45	4 12	8 32	2 0	0n17	1 13	14 17	1 7	20 33	0 8	8 42	2 17	18 52	0 40	16 17	1 46	19 43	11 16	12 27	13 3	12 5	9 12	1 54					
T 9	4 28	0 49	3 30	7 47	1 57	0 48	1 12	14 1	1 7	20 31	0 8	8 45	2 17	18 52	0 40	16 17	1 46	19 42	11 17	12 24	13 2	12 3	9 10	1 53					
F 10	4 5	3n12	2 38	7 0	1 54	1 19	1 10	13 46	1 7	20 29	0 8	8 47	2 17	18 53	0 40	16 17	1 46	19 42	11 17	12 22	13 1	12 2	9 9	1 53					
S 11	3 41	7 8	1 37	6 12	1 50	1 50	1 9	13 30	1 8	20 26	0 8	8 50	2 17	18 53	0 40	16 16	1 46	19 41	11 17	12 21	13 0	12 0	9 7	1 53					
S 12	3 17	10 48	0 31	5 24	1 45	2 21	1 7	13 14	1 8	20 24	0 9	8 52	2 17	18 54	0 40	16 16	1 46	19 41	11 17	12 20	12 59	11 58	9 5	1 53					
M13	2 54	14 2	0s38	4 34	1 40	2 51	1 6	12 58	1 8	20 22	0 9	8 55	2 16	18 54	0 40	16 16	1 46	19 40	11 17	12 20	12 58	11 56	9 4	1 52					
T 14	2 30	16 38	1 46	3 43	1 34	3 22	1 4	12 42	1 8	20 20	0 9	8 57	2 16	18 55	0 39	16 16	1 46	19 40	11 17	12 20	12 56	11 55	9 2	1 52					
W15	2 6	18 24	2 50	2 51	1 28	3 53	1 2	12 25	1 8	20 18	0 9	9 0	2 16	18 55	0 39	16 15	1 46	19 39	11 17	12 21	12 55	11 53	9 0	1 52					
T 16	1 43	19 11	3 46	1 58	1 21	4 23	1 0	12 9	1 9	20 16	0 9	9 2	2 16	18 55	0 39	16 15	1 46	19 39	11 17	12 21	12 54	11 51	8 58	1 52					
F 17	1 19	18 51	4 31	1 5	1 14	4 54	0 59	11 52	1 9	20 14	0 9	9 5	2 16	18 56	0 39	16 15	1 46	19 38	11 18	12 21	12 53	11 49	8 56	1 51					
S 18	0 55	17 22	5 0	0 11	1 6	5 24	0 57	11 35	1 9	20 12	0 9	9 7	2 16	18 56	0 39	16 15	1 46	19 38	11 18	12 21	12 52	11 48	8 54	1 51					
S 19	0 31	14 44	5 12	0n44	0 57	5 54	0 55	11 19	1 9	20 9	0 9	9 10	2 16	18 56	0 39	16 14	1 46	19 37	11 18	12 20	12 51	11 46	8 52	1 51					
M20	0 8	11 9	5 3	1 40	0 48	6 24	0 53	11 2	1 9	20 7	0 10	9 12	2 15	18 57	0 39	16 14	1 46	19 37	11 18	12 18	12 50	11 44	8 51	1 50					
T 21	0n16	6 50	4 34	2 35	0 38	6 54	0 51	10 45	1 9	20 5	0 10	9 15	2 15	18 57	0 39	16 14	1 47	19 36	11 18	12 17	12 49	11 43	8 49	1 50					
W22	0 40	2 4	3 46	3 31	0 28	7 24	0 49	10 28	1 9	20 3	0 10	9 17	2 15	18 57	0 39	16 14	1 47	19 36	11 18	12 15	12 48	11 41	8 47	1 50					
T 23	1 3	2s47	2 44	4 27	0 18	7 54	0 46	10 10	1 10	20 1	0 10	9 20	2 15	18 58	0 39	16 13	1 47	19 36	11 18	12 14	12 47	11 39	8 45	1 49					
F 24	1 27	7 24	1 32	5 23	0 7	8 23	0 44	9 53	1 10	19 59	0 10	9 22	2 15	18 58	0 39	16 13	1 47	19 35	11 18	12 13	12 46	11 37	8 43	1 49					
S 25	1 51	11 30	0 15	6 18	0n 4	8 52	0 42	9 36	1 10	19 57	0 10	9 25	2 15	18 58	0 39	16 13	1 47	19 35	11 19	12 13	12 45	11 36	8 41	1 49					
S 26	2 14	14 50	1n 0	7 13	0 16	9 22	0 40	9 18	1 10	19 55	0 10	9 28	2 15	18 58	0 39	16 12	1 47	19 34	11 19	12 13	12 44	11 34	8 38	1 48					
M27	2 38	17 15	2 10	8 7	0 28	9 50	0 37	9 1	1 10	19 53	0 10	9 30	2 15	18 59	0 39	16 12	1 47	19 34	11 19	12 13	12 42	11 32	8 36	1 48					
T 28	3 1	18 42	3 11	9 0	0 40	10 47	0 35	8 43	1 10	19 51	0 11	9 33	2 15	18 59	0 39	16 12	1 47	19 33	11 19	12 14	12 41	11 30	8 34	1 48					
W29	3 25	19 9	4 1	9 51	0 52	10 47	0 33	8 25	1 10	19 49	0 11	9 35	2 14	18 59	0 39	16 12	1 47	19 33	11 20	12 14	12 40	11 29	8 32	1 47					
T 30	3 48	18 41	4 39	10 41	1 4	11 16	0 30	8 7	1 10	19 47	0 11	9 38	2 14	18 59	0 39	16 11	1 47	19 33	11 20	12 15	12 39	11 27	8 30	1 47					
F 31	4n11	17s21	5n 3	11n30	1n16	11n43	0s28	7s50	1s10	19s45	0s11	9n41	2s14	18n59	0n39	16s11	1n47	19s32	11s20	12s15	12s38	11s25	8s28	1s47					

ASTRODIENST EPHEMERIS for the year 2293
geocentric

APRIL 2293

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 50	11°35'26	28♂31	28♀25	3♂16	13♂35	2♂♂36	1♂ 3	7°R31	20°R42	6♂43	2°R16	3♂22	15♂21	17°R19	S 1
S 2	12 42 46	12°34'49	10♂23	29°58	4°29	14°22	2°45	1°10	7♂30	20♂40	6°44	2♂14	3°19	15°28	17♂15	S 2
M 3	12 46 43	13°34'09	22°15	1♂26	5°43	15° 9	2°54	1°18	7°29	20°39	6°46	2°11	3°16	15°35	17°10	M 3
T 4	12 50 39	14°33'28	4♂11	2°49	6°57	15°56	3° 2	1°25	7°29	20°38	6°47	2° 8	3°13	15°41	17° 5	T 4
W 5	12 54 36	15°32'44	16°14	4° 7	8°11	16°43	3°11	1°32	7°28	20°37	6°48	2° 5	3°10	15°48	17° 0	W 5
T 6	12 58 32	16°31'59	28°26	5°19	9°24	17°30	3°19	1°40	7°28	20°35	6°50	2° 3	3° 6	15°55	16°55	T 6
F 7	13 2 29	17°31'12	10♀49	6°25	10°38	18°17	3°27	1°47	7°27	20°34	6°51	2° 1	3° 3	16° 2	16°51	F 7
S 8	13 6 25	18°30'23	23°25	7°25	11°52	19° 3	3°35	1°55	7°27	20°33	6°52	2° 1	3° 0	16° 8	16°46	S 8
S 9	13 10 22	19°29'32	6♂13	8°19	13° 5	19°50	3°43	2° 2	7°27	20°32	6°54	2°D 0	2°57	16°15	16°41	S 9
M10	13 14 18	20°28'39	19°15	9° 5	14°19	20°37	3°50	2°10	7°26	20°30	6°55	2° 1	2°54	16°22	16°36	M10
T 11	13 18 15	21°27'43	2♂29	9°46	15°32	21°24	3°58	2°18	7°26	20°29	6°56	2° 2	2°51	16°29	16°31	T 11
W12	13 22 12	22°26'46	15°58	10°19	16°46	22°11	4° 5	2°25	7°26	20°27	6°58	2° 3	2°47	16°35	16°27	W12
T 13	13 26 8	23°25'46	29°39	10°46	17°59	22°58	4°13	2°33	7°26	20°26	6°59	2° 3	2°44	16°42	16°22	T 13
F 14	13 30 5	24°24'44	13♂32	11° 6	19°13	23°44	4°20	2°40	7°D26	20°25	7° 0	2° 4	2°41	16°49	16°17	F 14
S 15	13 34 1	25°23'40	27°37	11°19	20°26	24°31	4°27	2°48	7°26	20°23	7° 1	2°R 4	2°38	16°55	16°12	S 15
S 16	13 37 58	26°22'33	11♂52	11°26	21°39	25°18	4°34	2°56	7°26	20°22	7° 3	2° 4	2°35	17° 2	16° 8	S 16
M17	13 41 54	27°21'24	26°14	11°R26	22°52	26° 5	4°40	3° 3	7°26	20°20	7° 4	2° 4	2°31	17° 9	16° 3	M17
T 18	13 45 51	28°20'13	10♂40	11°19	24° 6	26°51	4°47	3°11	7°26	20°19	7° 5	2° 3	2°28	17°16	15°58	T 18
W19	13 49 47	29°18'59	25° 6	11° 7	25°19	27°38	4°53	3°18	7°26	20°17	7° 6	2° 3	2°25	17°22	15°54	W19
T 20	13 53 44	0♂1744	9♂26	10°49	26°32	28°25	4°59	3°26	7°27	20°16	7° 7	2° 3	2°22	17°29	15°49	T 20
F 21	13 57 41	1°16'26	23°37	10°26	27°45	29°11	5° 5	3°34	7°27	20°14	7° 8	2° 2	2°19	17°36	15°45	F 21
S 22	14 1 37	2°15'06	7♂32	9°59	28°58	29°58	5°11	3°41	7°27	20°13	7° 9	2° 2	2°16	17°42	15°40	S 22
S 23	14 5 34	3°13'45	21°10	9°27	0♂11	0♀45	5°17	3°49	7°28	20°11	7°10	2° 2	2°12	17°49	15°36	S 23
M24	14 9 30	4°12'21	4♂27	8°52	1°24	1°31	5°23	3°57	7°28	20°10	7°12	2° 2	2° 9	17°56	15°32	M24
T 25	14 13 27	5°10'56	17°24	8°14	2°36	2°18	5°28	4° 4	7°29	20° 8	7°13	2° 2	2° 6	18° 3	15°27	T 25
W26	14 17 23	6° 9'30	0♂ 2	7°34	3°49	3° 4	5°33	4°12	7°29	20° 7	7°14	2° 2	2° 3	18° 9	15°23	W26
T 27	14 21 20	7° 8'01	12°24	6°53	5° 2	3°51	5°38	4°20	7°30	20° 5	7°15	2° 1	2° 0	18°16	15°19	T 27
F 28	14 25 16	8° 6'31	24°31	6°12	6°15	4°37	5°43	4°27	7°31	20° 3	7°16	2° 1	1°57	18°23	15°15	F 28
S 29	14 29 13	9° 4'59	6♂29	5°30	7°27	5°24	5°48	4°35	7°32	20° 2	7°17	2°D 0	1°53	18°29	15°10	S 29
S 30	14 33 10	10♂ 3'26	18♂23	4♂50	8♂40	6♀10	5♂♂53	4♂42	7♂32	20♂ 0	7♂17	2♂ 0	1♂50	18♂36	15♂ 6	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	
S 1	4n35	15s18 5n14	12n16 1n28	12n11 0s25	7s32 1s10	19s44 0s11	9n43 2s14	18n59 0n39	16s11 1n47	19s32 11s20	12s14 12s37	11s23 8s26	1s46			
S 2	4 58	12 36 5 12	13 0 1 40	12 38 0 23	7 14 1 10	19 42 0 11	9 46 2 14	19 0 0 39	16 10 1 47	19 32 11 20	12 14 12 36	11 22 8 24	1 46			
M 3	5 21	9 24 4 56	13 42 1 51	13 5 0 20	6 55 1 10	19 40 0 11	9 49 2 14	19 0 0 39	16 10 1 47	19 31 11 21	12 13 12 35	11 20 8 21	1 46			
T 4	5 44	5 48 4 27	14 21 2 2	13 32 0 18	6 37 1 10	19 38 0 12	9 51 2 14	19 0 0 39	16 9 1 47	19 31 11 21	12 12 12 34	11 18 8 19	1 45			
W 5	6 7	1 57 3 47	14 57 2 12	13 58 0 15	6 19 1 10	19 36 0 12	9 54 2 14	19 0 0 39	16 9 1 47	19 31 11 21	12 11 12 33	11 16 8 17	1 45			
T 6	6 29	2n 3 2 55	15 30 2 22	14 24 0 12	6 1 1 10	19 34 0 12	9 56 2 14	19 0 0 39	16 9 1 47	19 30 11 21	12 10 12 32	11 15 8 15	1 44			
F 7	6 52	6 2 1 55	16 1 2 31	14 50 0 10	5 43 1 10	19 33 0 12	9 59 2 14	19 0 0 39	16 8 1 47	19 30 11 21	12 9 12 31	11 13 8 13	1 44			
S 8	7 14	9 49 0 47	16 28 2 39	15 15 0 7	5 24 1 10	19 31 0 12	10 2 2 14	19 0 0 39	16 8 1 47	19 30 11 22	12 9 12 30	11 11 8 10	1 44			
S 9	7 37	13 12 0s23	16 53 2 46	15 40 0 4	5 6 1 10	19 29 0 12	10 4 2 14	19 0 0 39	16 8 1 47	19 29 11 22	12 9 12 28	11 9 8 8	1 43			
M10	7 59	16 0 1 34	17 14 2 53	16 5 0 2	4 47 1 10	19 28 0 12	10 7 2 14	19 0 0 39	16 7 1 47	19 29 11 22	12 9 12 27	11 7 8 6	1 43			
T 11	8 21	18 0 2 41	17 31 2 58	16 29 0n 1	4 29 1 10	19 26 0 13	10 10 2 13	19 0 0 39	16 7 1 47	19 29 11 22	12 10 12 26	11 6 8 4	1 42			
W12	8 43	19 1 3 40	17 46 3 2	16 53 0 4	4 11 1 10	19 24 0 13	10 12 2 13	19 0 0 39	16 6 1 47	19 29 11 23	12 10 12 25	11 4 8 2	1 42			
T 13	9 5	18 56 4 28	17 57 3 5	17 16 0 7	3 52 1 10	19 23 0 13	10 15 2 13	19 0 0 39	16 6 1 47	19 28 11 23	12 10 12 24	11 2 7 59	1 42			
F 14	9 27	17 44 5 1	18 5 3 6	17 39 0 10	3 33 1 10	19 21 0 13	10 17 2 13	19 0 0 39	16 6 1 47	19 28 11 23	12 10 12 23	11 0 7 57	1 41			
S 15	9 48	15 26 5 16	18 9 3 6	18 1 0 12	3 15 1 10	19 20 0 13	10 20 2 13	19 0 0 39	16 5 1 47	19 28 11 23	12 10 12 22	10 59 7 55	1 41			
S 16	10 10	12 12 5 12	18 10 3 5	18 23 0 15	2 56 1 10	19 18 0 13	10 23 2 13	19 0 0 39	16 5 1 47	19 28 11 24	12 10 12 21	10 57 7 53	1 40			
M17	10 31	8 13 4 49	18 7 3 2	18 45 0 18	2 38 1 10	19 17 0 13	10 25 2 13	19 0 0 39	16 4 1 48	19 27 11 24	12 10 12 20	10 55 7 51	1 40			
T 18	10 52	3 44 4 8	18 2 2 58	19 6 0 21	2 19 1 10	19 15 0 14	10 28 2 13	19 0 0 39	16 4 1 48	19 27 11 24	12 10 12 19	10 53 7 48	1 40			
W19	11 13	0s59 3 11	17 52 2 53	19 26 0 24	2 1 1 10	19 14 0 14	10 31 2 13	19 0 0 39	16 4 1 48	19 27 11 24	12 10 12 18	10 52 7 46	1 39			
T 20	11 33	5 36 2 2	17 40 2 46	19 46 0 26	1 42 1 10	19 13 0 14	10 33 2 13	19 0 0 39	16 3 1 48	19 27 11 25	12 10 12 16	10 50 7 44	1 39			
F 21	11 54	9 52 0 47	17 25 2 37	20 6 0 29	1 23 1 10	19 11 0 14	10 36 2 13	19 0 0 38	16 3 1 48	19 27 11 25	12 10 12 15	10 48 7 42	1 38			
S 22	12 14	13 31 0n30	17 7 2 27	20 25 0 32	1 5 1 10	19 10 0 14	10 38 2 13	19 0 0 38	16 2 1 48	19 26 11 25	12 10 12 14	10 46 7 40	1 38			
S 23	12 34	16 21 1 44	16 46 2 16	20 43 0 35	0 46 1 10	19 9 0 14	10 41 2 13	19 0 0 38	16 2 1 48	19 26 11 26	12 10 12 13	10 44 7 38	1 37			
M24	12 54	18 12 2 50	16 23 2 3	21 1 0 38	0 27 1 9	19 8 0 15	10 43 2 13	18 59 0 38	16 1 1 48	19 26 11 26	12 10 12 12	10 43 7 35	1 37			
T 25	13 14	19 3 3 46	15 58 1 50	21 18 0 40	0 9 1 9	19 7 0 15	10 46 2 13	18 59 0 38	16 1 1 48	19 26 11 26	12 10 12 11	10 41 7 33	1 36			
W26	13 33	18 55 4 29	15 31 1 35	21 35 0 43	0n10 1 9	19 5 0 15	10 49 2 13	18 59 0 38	16 1 1 48	19 26 11 26	12 9 12 10	10 39 7 31	1 36			
T 27	13 52	17 52 4 59	15 3 1 20	21 51 0 46	0 28 1 9	19 4 0 15	10 51 2 13	18 59 0 38	16 0 1 48	19 26 11 27	12 9 12 9	10 37 7 29	1 35			
F 28	14 11	16 1 5 14	14 34 1 3	22 7 0 49	0 47 1 9	19 3 0 15	10 54 2 13	18 59 0 38	16 0 1 48	19 26 11 27	12 9 12 8	10 36 7 27	1 35			
S 29	14 30	13 31 5 16	14 4 0 47	22 22 0 51	1 5 1 9	19 2 0 15	10 56 2 13	18 58 0 38	15 59 1 48	19 26 11 27	12 9 12 7	10 34 7 25	1 35			
S 30	14n48	10s28 5n 4	13n35 0n30	22n36 0n54	1n24 1s 8	19s 1 0s15	10n59 2s13	18n58 0n38	15s59 1n48	19s26 11s28	12s 9 12s 6	10s32 7s23	1s34			

Julian Day Number = 2558651.5, Delta T = 285.43 sec
Ecliptic obliquity = 23°23'57, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°50'21, Lahiri = 27°57'22

ASTRODIENST EPHEMERIS for the year 2293
geocentric

MAY 2293

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 37 6	11♌ 1°51'	0♋ 16	4°R12	9♏53	6♏57	5♏57	4♏50	7♏33	19°R59	7♋18	2♏1	1♏47	18♏43	15°R 2	M 1
T 2	14 41 3	12° 0'14	12°13	3♌36	11° 5	7°43	6° 1	4°58	7°34	19♏57	7°19	2° 2	1°44	18°50	14♏58	T 2
W 3	14 44 59	12°58'36	24°19	3° 3	12°17	8°30	6° 5	5° 5	7°35	19°55	7°20	2° 3	1°41	18°56	14°55	W 3
T 4	14 48 56	13°56'56	6♏37	2°33	13°30	9°16	6° 9	5°13	7°36	19°54	7°21	2° 4	1°37	19° 3	14°51	T 4
F 5	14 52 52	14°55'15	19°11	2° 7	14°42	10° 2	6°13	5°20	7°37	19°52	7°22	2° 5	1°34	19°10	14°47	F 5
S 6	14 56 49	15°53'32	2♌ 1	1°45	15°55	10°49	6°17	5°28	7°38	19°51	7°23	2°R 5	1°31	19°16	14°43	S 6
S 7	15 0 45	16°51'47	15° 9	1°28	17° 7	11°35	6°20	5°36	7°40	19°49	7°23	2° 5	1°28	19°23	14°40	S 7
M 8	15 4 42	17°50'01	28°35	1°15	18°19	12°21	6°23	5°43	7°41	19°47	7°24	2° 3	1°25	19°30	14°36	M 8
T 9	15 8 39	18°48'13	12♏16	1° 6	19°31	13° 7	6°26	5°51	7°42	19°46	7°25	2° 2	1°22	19°37	14°33	T 9
W10	15 12 35	19°46'23	26°10	1°D 3	20°43	13°53	6°29	5°58	7°43	19°44	7°26	1°59	1°18	19°43	14°30	W10
T 11	15 16 32	20°44'31	10♏14	1° 4	21°55	14°39	6°32	6° 6	7°45	19°42	7°26	1°57	1°15	19°50	14°26	T 11
F 12	15 20 28	21°42'38	24°25	1°10	23° 7	15°26	6°34	6°13	7°46	19°41	7°27	1°55	1°12	19°57	14°23	F 12
S 13	15 24 25	22°40'42	8♏39	1°21	24°19	16°12	6°36	6°21	7°48	19°39	7°27	1°53	1° 9	20° 3	14°20	S 13
S 14	15 28 21	23°38'45	22°53	1°36	25°31	16°58	6°38	6°28	7°49	19°37	7°28	1°D53	1° 6	20°10	14°17	S 14
M15	15 32 18	24°36'45	7♏ 5	1°56	26°43	17°43	6°40	6°35	7°51	19°36	7°29	1°53	1° 3	20°17	14°14	M15
T 16	15 36 14	25°34'44	21°12	2°20	27°55	18°29	6°42	6°43	7°52	19°34	7°29	1°54	0°59	20°24	14°12	T 16
W17	15 40 11	26°32'41	5♏12	2°48	29° 6	19°15	6°44	6°50	7°54	19°33	7°30	1°56	0°56	20°30	14° 9	W17
T 18	15 44 8	27°30'36	19° 5	3°21	0♏18	20° 1	6°45	6°58	7°56	19°31	7°30	1°57	0°53	20°37	14° 6	T 18
F 19	15 48 4	28°28'29	2♏47	3°57	1°29	20°47	6°46	7° 5	7°58	19°29	7°31	1°R57	0°50	20°44	14° 4	F 19
S 20	15 52 1	29°26'21	16°18	4°38	2°41	21°33	6°47	7°12	7°59	19°28	7°31	1°57	0°47	20°50	14° 1	S 20
S 21	15 55 57	0♏24'11	29°36	5°22	3°52	22°18	6°48	7°19	8° 1	19°26	7°32	1°55	0°43	20°57	13°59	S 21
M22	15 59 54	1°22'00	12♏39	6° 9	5° 3	23° 4	6°48	7°27	8° 3	19°25	7°32	1°51	0°40	21° 4	13°57	M22
T 23	16 3 50	2°19'47	25°27	7° 0	6°15	23°50	6°49	7°34	8° 5	19°23	7°32	1°47	0°37	21°11	13°55	T 23
W24	16 7 47	3°17'34	8♏ 0	7°55	7°26	24°35	6°49	7°41	8° 7	19°21	7°33	1°41	0°34	21°17	13°53	W24
T 25	16 11 43	4°15'19	20°18	8°52	8°37	25°21	6°R49	7°48	8° 9	19°20	7°33	1°36	0°31	21°24	13°51	T 25
F 26	16 15 40	5°13'02	2♏25	9°53	9°48	26° 6	6°49	7°55	8°11	19°18	7°34	1°31	0°28	21°31	13°49	F 26
S 27	16 19 37	6°10'45	14°23	10°57	10°59	26°52	6°48	8° 2	8°13	19°17	7°34	1°28	0°24	21°37	13°47	S 27
S 28	16 23 33	7° 8'27	26°17	12° 4	12°10	27°37	6°48	8° 9	8°15	19°15	7°34	1°26	0°21	21°44	13°46	S 28
M29	16 27 30	8° 6'07	8♏ 9	13°14	13°21	28°23	6°47	8°16	8°18	19°14	7°34	1°D25	0°18	21°51	13°44	M29
T 30	16 31 26	9° 3'47	20° 6	14°27	14°32	29° 8	6°46	8°23	8°20	19°12	7°35	1°26	0°15	21°58	13°43	T 30
W31	16 35 23	10♏1'25	2♏12	15♏42	15♏42	29♏53	6♏45	8♏30	8♏22	19♏11	7♋35	1♏27	0♏12	22♏ 4	13♏42	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	decl	lat	decl	lat
M 1	15n 7	7s 0	4n39	13n 6	0n12	22n50	0n57	1n42	1s 8	19s 0	0s16	11n 1	2s13	18n58	0n38	15s58	1n48	19s25	11s28	12s 9	12s 4	10s30	7s21	1s34			
T 2	15 25	3 14	4 2	12 37	0s 5	23 3	0 59	2 1	1 8	18 59	0 16	11 4	2 13	18 58	0 38	15 58	1 48	19 25	11 28	12 10	12 3	10 28	7 19	1 33			
W 3	15 42	0n43	3 14	12 10	0 22	23 15	1 2	2 19	1 8	18 59	0 16	11 6	2 13	18 57	0 38	15 58	1 48	19 25	11 28	12 10	12 2	10 27	7 17	1 33			
T 4	16 0	4 43	2 16	11 44	0 38	23 27	1 5	2 38	1 8	18 58	0 16	11 9	2 13	18 57	0 38	15 57	1 48	19 25	11 29	12 10	12 1	10 25	7 15	1 32			
F 5	16 17	8 35	1 11	11 20	0 55	23 38	1 7	2 56	1 7	18 57	0 16	11 11	2 13	18 57	0 38	15 57	1 48	19 25	11 29	12 11	12 0	10 23	7 13	1 32			
S 6	16 34	12 10	0 0	10 58	1 10	23 49	1 10	3 14	1 7	18 56	0 16	11 14	2 13	18 57	0 38	15 56	1 48	19 25	11 29	12 11	11 59	10 21	7 12	1 31			
S 7	16 51	15 13	1s12	10 38	1 25	23 58	1 12	3 33	1 7	18 56	0 17	11 16	2 13	18 56	0 38	15 56	1 48	19 25	11 30	12 10	11 58	10 19	7 10	1 31			
M 8	17 7	17 31	2 21	10 20	1 39	24 8	1 15	3 51	1 7	18 55	0 17	11 19	2 13	18 56	0 38	15 55	1 48	19 25	11 30	12 10	11 57	10 18	7 8	1 30			
T 9	17 23	18 51	3 24	10 5	1 53	24 16	1 17	4 9	1 6	18 54	0 17	11 21	2 13	18 56	0 38	15 55	1 48	19 25	11 30	12 9	11 56	10 16	7 6	1 30			
W10	17 39	19 5	4 16	9 52	2 5	24 24	1 20	4 27	1 6	18 54	0 17	11 24	2 13	18 55	0 38	15 55	1 48	19 25	11 31	12 9	11 55	10 14	7 4	1 29			
T 11	17 55	18 8	4 53	9 41	2 17	24 31	1 22	4 45	1 6	18 53	0 17	11 26	2 13	18 55	0 38	15 54	1 48	19 25	11 31	12 8	11 53	10 12	7 3	1 29			
F 12	18 10	16 4	5 12	9 33	2 28	24 37	1 24	5 3	1 6	18 53	0 18	11 28	2 13	18 54	0 38	15 54	1 48	19 25	11 31	12 7	11 52	10 11	7 1	1 28			
S 13	18 25	13 2	5 13	9 28	2 38	24 43	1 26	5 21	1 5	18 53	0 18	11 31	2 13	18 54	0 38	15 53	1 48	19 25	11 32	12 7	11 51	10 9	6 59	1 28			
S 14	18 39	9 14	4 54	9 24	2 46	24 48	1 29	5 39	1 5	18 52	0 18	11 33	2 13	18 54	0 38	15 53	1 48	19 26	11 32	12 6	11 50	10 7	6 58	1 27			
M15	18 53	4 54	4 18	9 24	2 54	24 52	1 31	5 57	1 5	18 52	0 18	11 36	2 13	18 53	0 38	15 52	1 48	19 26	11 32	12 7	11 49	10 5	6 56	1 27			
T 16	19 7	0 20	3 26	9 25	3 1	24 56	1 33	6 14	1 5	18 52	0 18	11 38	2 13	18 53	0 38	15 52	1 48	19 26	11 33	12 7	11 48	10 3	6 55	1 26			
W17	19 21	4s14	2 22	9 29	3 7	24 59	1 35	6 32	1 4	18 51	0 18	11 40	2 13	18 52	0 38	15 52	1 48	19 26	11 33	12 7	11 47	10 2	6 53	1 26			
T 18	19 34	8 33	1 10	9 35	3 13	25 1	1 37	6 50	1 4	18 51	0 19	11 43	2 14	18 52	0 38	15 51	1 48	19 26	11 33	12 8	11 46	10 0	6 52	1 25			
F 19	19 47	12 21	0n 5	9 43	3 17	25 3	1 39	7 7	1 4	18 51	0 19	11 45	2 14	18 51	0 38	15 51	1 48	19 26	11 34	12 8	11 45	9 58	6 50	1 25			
S 20	20 0	15 27	1 18	9 53	3 20	25 3	1 41	7 24	1 3	18 51	0 19	11 47	2 14	18 51	0 38	15 50	1 48	19 26	11 34	12 8	11 43	9 56	6 49	1 24			
S 21	20 12	17 39	2 26	10 6	3 23	25 3	1 43	7 42	1 3	18 51	0 19	11 49	2 14	18 50	0 38	15 50	1 48	19 26	11 34	12 7	11 42	9 54	6 48	1 24			
M22	20 24	18 54	3 25	10 19	3 25	25 3	1 45	7 59	1 3	18 51	0 19	11 52	2 14	18 50	0 38	15 49	1 48	19 26	11 35	12 6	11 41	9 53	6 46	1 23			
T 23	20 36	19 8	4 12	10 35	3 26	25 1	1 46	8 16	1 2	18 51	0 19	11 54	2 14	18 49	0 38	15 49	1 48	19 27	11 35	12 4	11 40	9 51	6 45	1 23			
W24	20 47	18 24	4 46	10 52	3 26	24 59	1 48	8 33	1 2	18 51	0 20	11 56	2 14	18 49	0 38	15 49	1 48	19 27	11 35	12 2	11 39	9 49	6 44	1 22			
T 25	20 58	16 50	5 6	11 11	3 26	24 57	1 50	8 50	1 1	18 51	0 20	11 58	2 14	18 48	0 38	15 48	1 48	19 27	11 36	12 1	11 38	9 47	6 43	1 22			
F 26	21 8	14 31	5 12	11 31	3 25	24 53	1 51	9 7	1 1	18 52	0 20	12 1	2 14	18 48	0 38	15 48	1 48	19 27	11 36	11 59	11 37	9 45	6 41	1 21			
S 27	21 18	11 38	5 4	11 53	3 23	24 49	1 53	9 24	1 1	18 52	0 20	12 3	2 14	18 47	0 38	15 47	1 48	19 27	11 36	11 58	11 36	9 43	6 40	1 21			
S 28	21 28	8 18	4 43	12 15	3 20	24 44	1 54	9 40	1 0	18 52	0 20	12 5	2 14	18 46	0 37	15 47	1 48	19 28	11 37	11 57	11 35	9 42	6 39	1 20			
M29	21 37	4 38	4 10	12 39	3 17	24 39	1 55	9 57	1 0	18 53	0 21	12 7	2 14	18 46	0 37	15 47	1 48	19 28	11 37	11 57	11 34	9 40	6 38	1 20			
T 30	21 46	0 45	3 26	13 4	3 13	24 32	1 57	10 13	0 59	18 53	0 21	12 9	2 14	18 45	0 37	15 46	1 48	19 28	11 37	11 57	11 32	9 38	6 37	1 19			
W31	21n55	3n13	2n32	13n30	3s 8	24n26	1n58	10n30	0s59	18s54	0s21	12n11	2s15	18n45	0n37	15s46	1n48	19s28	11s38	11s57	11s31	9s36	6s36	1s19			

ASTRODIENST EPHEMERIS for the year 2293

geocentric

JUNE 2293

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 19	10 ^{II} 59'03	14 ^V 33	17 ^{III} 0	16 ^{III} 53	0 ^{III} 38	6 ^R 44	8 ^{III} 37	8 ^{II} 25	19 ^R 9	7 ^{II} 35	1 ^{II} 28	0 ^{II} 9	22 ^{III} 11	13 ^R 41	T 1
F 2	16 43 16	11°56'40	27°11	18°21	18° 3	1°24	6 ^{III} 42	8°44	8°27	19 ^{II} 8	7°35	1°R29	0° 5	22°18	13 ^{II} 40	F 2
S 3	16 47 12	12°54'16	10 ^{III} 11	19°45	19°14	2° 9	6°41	8°51	8°29	19° 6	7°35	1°29	0° 2	22°24	13°39	S 3
S 4	16 51 9	13°51'50	23°33	21°11	20°24	2°54	6°39	8°58	8°32	19° 5	7°35	1°27	29 ^{II} 59	22°31	13°38	S 4
M 5	16 55 6	14°49'24	7 ^{II} 19	22°39	21°34	3°39	6°37	9° 4	8°34	19° 3	7°35	1°23	29°56	22°38	13°37	M 5
T 6	16 59 2	15°46'57	21°25	24°11	22°45	4°24	6°34	9°11	8°37	19° 2	7°35	1°18	29°53	22°45	13°37	T 6
W 7	17 2 59	16°44'29	5 ^{III} 47	25°45	23°55	5° 9	6°32	9°18	8°39	19° 1	7°R35	1°11	29°49	22°51	13°36	W 7
T 8	17 6 55	17°42'00	20°19	27°21	25° 5	5°53	6°29	9°24	8°42	18°59	7°35	1° 4	29°46	22°58	13°36	T 8
F 9	17 10 52	18°39'30	4 ^{II} 54	29° 0	26°15	6°38	6°27	9°31	8°45	18°58	7°35	0°57	29°43	23° 5	13°36	F 9
S 10	17 14 48	19°36'58	19°26	0 ^{II} 41	27°25	7°23	6°24	9°37	8°47	18°56	7°35	0°52	29°40	23°11	13°35	S 10
S 11	17 18 45	20°34'25	3 ^{II} 50	2°25	28°34	8° 8	6°20	9°44	8°50	18°55	7°35	0°49	29°37	23°18	13°D35	S 11
M12	17 22 41	21°31'51	18° 3	4°12	29°44	8°52	6°17	9°50	8°53	18°54	7°35	0°D48	29°34	23°25	13°36	M12
T 13	17 26 38	22°29'16	2 ^{II} 2	6° 1	0 ^{II} 54	9°37	6°14	9°56	8°56	18°52	7°35	0°48	29°30	23°32	13°36	T 13
W14	17 30 35	23°26'40	15°47	7°52	2° 3	10°21	6°10	10° 3	8°58	18°51	7°35	0°49	29°27	23°38	13°36	W14
T 15	17 34 31	24°24'02	29°19	9°46	3°13	11° 6	6° 6	10° 9	9° 1	18°50	7°35	0°R50	29°24	23°45	13°37	T 15
F 16	17 38 28	25°21'24	12 ^{II} 38	11°42	4°22	11°50	6° 2	10°15	9° 4	18°49	7°34	0°49	29°21	23°52	13°37	F 16
S 17	17 42 24	26°18'45	25°46	13°40	5°31	12°35	5°58	10°21	9° 7	18°47	7°34	0°46	29°18	23°58	13°38	S 17
S 18	17 46 21	27°16'04	8 ^{II} 42	15°41	6°40	13°19	5°54	10°27	9°10	18°46	7°34	0°41	29°14	24° 5	13°39	S 18
M19	17 50 17	28°13'24	21°26	17°43	7°49	14° 3	5°49	10°33	9°13	18°45	7°34	0°34	29°11	24°12	13°40	M19
T 20	17 54 14	29°10'42	3 ^{III} 59	19°48	8°58	14°47	5°44	10°39	9°16	18°44	7°33	0°24	29° 8	24°19	13°41	T 20
W21	17 58 10	0 ^{III} 8'00	16°21	21°54	10° 7	15°31	5°40	10°45	9°19	18°43	7°33	0°14	29° 5	24°25	13°42	W21
T 22	18 2 7	1° 5'17	28°33	24° 2	11°15	16°15	5°35	10°51	9°22	18°42	7°33	0° 3	29° 2	24°32	13°43	T 22
F 23	18 6 4	2° 2'34	10 ^{III} 36	26°11	12°24	16°59	5°29	10°57	9°25	18°41	7°32	29 ^{II} 53	28°59	24°39	13°44	F 23
S 24	18 10 0	2°59'50	22°31	28°21	13°32	17°43	5°24	11° 2	9°28	18°39	7°32	29°44	28°55	24°45	13°46	S 24
S 25	18 13 57	3°57'06	4 ^{II} 23	0 ^{III} 32	14°40	18°27	5°19	11° 8	9°31	18°38	7°32	29°38	28°52	24°52	13°47	S 25
M26	18 17 53	4°54'22	16°14	2°43	15°48	19°11	5°13	11°14	9°35	18°37	7°31	29°34	28°49	24°59	13°49	M26
T 27	18 21 50	5°51'38	28° 9	4°55	16°56	19°55	5° 7	11°19	9°38	18°36	7°31	29°32	28°46	25° 6	13°51	T 27
W28	18 25 46	6°48'53	10 ^{II} 14	7° 6	18° 4	20°38	5° 2	11°25	9°41	18°35	7°30	29°D32	28°43	25°12	13°53	W28
T 29	18 29 43	7°46'09	22°32	9°18	19°12	21°22	4°56	11°30	9°44	18°35	7°30	29°32	28°40	25°19	13°55	T 29
F 30	18 33 39	8° ^{III} 43'24	5 ^{III} 10	11 ^{III} 28	20 ^{II} 19	22 ^{III} 6	4 ^{III} 50	11 ^{III} 35	9 ^{II} 48	18 ^{II} 34	7 ^{II} 29	29°R32	28 ^{II} 36	25 ^{II} 26	13 ^{II} 57	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	22n 3	7n 7	1n31	13n57	3s 3	24n18	1n59	10n46	0s59	18s54	0s21	12n13	2s15	18n44	0n37	15s45	1n48	19s29	11s38	11s58	11s30	9s34	6s35	1s18	
F 2	22 11	10 49	0 23	14 25	2 58	24 10	2 0	11 2	0 58	18 55	0 21	12 16	2 15	18 43	0 37	15 45	1 48	19 29	11 38	11 58	11 29	9 33	6 34	1 18	
S 3	22 18	14 6	0s47	14 53	2 51	24 1	2 1	11 18	0 58	18 55	0 22	12 18	2 15	18 43	0 37	15 45	1 47	19 29	11 39	11 58	11 28	9 31	6 34	1 17	
S 4	22 26	16 45	1 57	15 22	2 45	23 51	2 2	11 34	0 57	18 56	0 22	12 20	2 15	18 42	0 37	15 44	1 47	19 29	11 39	11 58	11 27	9 29	6 33	1 17	
M 5	22 32	18 31	3 2	15 52	2 37	23 41	2 2	11 49	0 57	18 57	0 22	12 22	2 15	18 41	0 37	15 44	1 47	19 30	11 39	11 56	11 26	9 27	6 32	1 16	
T 6	22 38	19 11	3 57	16 22	2 30	23 30	2 3	12 5	0 56	18 57	0 22	12 24	2 15	18 41	0 37	15 44	1 47	19 30	11 40	11 54	11 25	9 25	6 31	1 15	
W 7	22 44	18 38	4 38	16 52	2 21	23 19	2 4	12 20	0 56	18 58	0 22	12 26	2 15	18 40	0 37	15 43	1 47	19 30	11 40	11 52	11 23	9 24	6 31	1 15	
T 8	22 50	16 53	5 2	17 23	2 13	23 7	2 4	12 36	0 55	18 59	0 22	12 28	2 15	18 39	0 37	15 43	1 47	19 31	11 40	11 49	11 22	9 22	6 30	1 14	
F 9	22 55	14 2	5 7	17 53	2 4	22 54	2 5	12 51	0 55	19 0	0 23	12 29	2 16	18 39	0 37	15 43	1 47	19 31	11 41	11 47	11 21	9 20	6 30	1 14	
S 10	23 0	10 20	4 52	18 24	1 54	22 41	2 5	13 6	0 54	19 1	0 23	12 31	2 16	18 38	0 37	15 42	1 47	19 31	11 41	11 45	11 20	9 18	6 29	1 13	
S 11	23 4	6 4	4 18	18 54	1 44	22 27	2 5	13 21	0 54	19 2	0 23	12 33	2 16	18 37	0 37	15 42	1 47	19 32	11 41	11 44	11 19	9 16	6 29	1 13	
M12	23 8	1 30	3 29	19 24	1 34	22 13	2 5	13 35	0 53	19 3	0 23	12 35	2 16	18 36	0 37	15 42	1 47	19 32	11 42	11 44	11 18	9 14	6 28	1 12	
T 13	23 11	3s 5	2 29	19 54	1 24	21 58	2 5	13 50	0 53	19 4	0 23	12 37	2 16	18 36	0 37	15 41	1 47	19 32	11 42	11 44	11 17	9 13	6 28	1 12	
W14	23 14	7 26	1 20	20 23	1 13	21 42	2 5	14 4	0 52	19 5	0 24	12 39	2 16	18 35	0 37	15 41	1 47	19 33	11 42	11 44	11 16	9 11	6 27	1 11	
T 15	23 17	11 20	0 8	20 51	1 2	21 26	2 5	14 19	0 52	19 6	0 24	12 41	2 16	18 34	0 37	15 41	1 47	19 33	11 43	11 45	11 15	9 9	6 27	1 11	
F 16	23 19	14 36	1n 3	21 18	0 51	21 9	2 5	14 33	0 51	19 7	0 24	12 42	2 17	18 33	0 37	15 40	1 47	19 33	11 43	11 44	11 13	9 7	6 27	1 10	
S 17	23 21	17 4	2 10	21 45	0 40	20 52	2 5	14 47	0 51	19 8	0 24	12 44	2 17	18 32	0 37	15 40	1 47	19 34	11 43	11 43	11 12	9 5	6 27	1 10	
S 18	23 22	18 37	3 8	22 9	0 29	20 35	2 4	15 1	0 50	19 10	0 24	12 46	2 17	18 32	0 37	15 40	1 47	19 34	11 44	11 42	11 11	9 3	6 27	1 9	
M19	23 23	19 11	3 57	22 32	0 18	20 16	2 4	15 14	0 50	19 11	0 25	12 48	2 17	18 31	0 37	15 39	1 47	19 35	11 44	11 39	11 10	9 2	6 26	1 9	
T 20	23 24	18 48	4 32	22 54	0 6	19 58	2 3	15 28	0 49	19 12	0 25	12 49	2 17	18 30	0 37	15 39	1 47	19 35	11 44	11 36	11 9	9 0	6 26	1 8	
W21	23 24	17 31	4 55	23 14	0n 4	19 39	2 2	15 41	0 48	19 14	0 25	12 51	2 17	18 29	0 37	15 39	1 47	19 35	11 45	11 32	11 8	8 58	6 26	1 8	
T 22	23 24	15 28	5 4	23 31	0 15	19 19	2 1	15 55	0 48	19 15	0 25	12 53	2 17	18 28	0 37	15 39	1 47	19 36	11 45	11 28	11 7	8 56	6 26	1 7	
F 23	23 23	12 45	4 58	23 46	0 26	18 59	2 0	16 8	0 47	19 16	0 25	12 54	2 18	18 28	0 37	15 38	1 47	19 36	11 45	11 25	11 6	8 54	6 26	1 7	
S 24	23 22	9 34	4 40	23 59	0 36	18 38	1 59	16 21	0 47	19 18	0 25	12 56	2 18	18 27	0 37	15 38	1 47	19 37	11 46	11 22	11 4	8 52	6 27	1 6	
S 25	23 20	6 0	4 10	24 9	0 45	18 17	1 58	16 33	0 46	19 19	0 26	12 57	2 18	18 26	0 37	15 38	1 47	19 37	11 46	11 19	11 3	8 51	6 27	1 6	
M26	23 18	2 12	3 29	24 17	0 54	17 56	1 57	16 46	0 45	19 21	0 26	12 59	2 18	18 25	0 37	15 38	1 47	19 38	11 46	11 18	11 2	8 49	6 27	1 6	
T 27	23 16	1n42	2 39	24 21	1 3	17 34	1 55	16 58	0 45	19 22	0 26	13 1	2 18	18 24	0 37	15 37	1 47	19 38	11 47	11 17	11 1	8 47	6 27	1 5	
W28	23 13	5 35	1 41	24 23	1 11	17 12	1 54	17 10	0 44	19 24	0 26	13 2	2 18	18 23	0 37	15 37	1 47	19 39	11 47	11 17	11 0	8 45	6 27	1 5	
T 29	23 10	9 20	0 37	24 23	1 18	16 49	1 52	17 22	0 44	19 26	0 26	13 4	2 19	18 22	0 37	15 37	1 47	19 39	11 47	11 18	10 59	8 43	6 28	1 4	
F 30	23n 7	12n45	0s30	24n19	1n25	16n26	1n51	17n34	0s43	19s27	0s27	13n 5	2s19	18n22	0n37	15s37	1n46	19s39	11s47	11s18	10s58	8s41	6s28	1s 4	

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JULY 2293

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 37 36	9 ⁵⁴ 0'39	18 ⁸ 12	13 ⁵⁸ 38	21 ¹² 27	22 ⁸ 49	4 ⁰ R43	11 ⁸ 41	9 ¹⁵ 51	18 ⁰ R33	7 ⁰ R29	29 ⁰ R31	28 ¹² 33	25 ³³ 32	13 ¹² 59	S 1
S 2	18 41 33	10 ⁰ 37'55	1 ¹¹ 40	15 ⁰ 47	22 ⁰ 34	23 ⁰ 33	4 ³³ 37	11 ⁰ 46	9 ⁰ 54	18 ¹¹ 32	7 ¹¹ 28	29 ¹² 28	28 ⁰ 30	25 ⁰ 39	14 ⁰ 2	S 2
M 3	18 45 29	11 ⁰ 35'10	15 ⁰ 36	17 ⁰ 55	23 ⁰ 41	24 ⁰ 16	4 ⁰ 31	11 ⁰ 51	9 ⁰ 58	18 ⁰ 31	7 ⁰ 27	29 ⁰ 22	28 ⁰ 27	25 ⁰ 46	14 ⁰ 4	M 3
T 4	18 49 26	12 ⁰ 32'25	29 ⁰ 58	20 ⁰ 1	24 ⁰ 48	24 ⁰ 59	4 ⁰ 24	11 ⁰ 56	10 ⁰ 1	18 ⁰ 30	7 ⁰ 27	29 ⁰ 13	28 ⁰ 24	25 ⁰ 52	14 ⁰ 7	T 4
W 5	18 53 22	13 ⁰ 29'41	14 ⁰ 34	22 ⁰ 6	25 ⁰ 55	25 ⁰ 42	4 ⁰ 17	12 ⁰ 1	10 ⁰ 4	18 ⁰ 29	7 ⁰ 26	29 ⁰ 3	28 ⁰ 20	25 ⁰ 59	14 ⁰ 9	W 5
T 6	18 57 19	14 ⁰ 26'55	29 ⁰ 36	24 ⁰ 9	27 ⁰ 2	26 ⁰ 26	4 ⁰ 10	12 ⁰ 6	10 ⁰ 8	18 ⁰ 29	7 ⁰ 25	28 ⁰ 53	28 ⁰ 17	26 ⁰ 6	14 ⁰ 12	T 6
F 7	19 1 15	15 ⁰ 24'10	14 ⁰ 36	26 ⁰ 10	28 ⁰ 9	27 ⁰ 9	4 ⁰ 4	12 ⁰ 11	10 ⁰ 11	18 ⁰ 28	7 ⁰ 25	28 ⁰ 43	28 ⁰ 14	26 ⁰ 13	14 ⁰ 15	F 7
S 8	19 5 12	16 ⁰ 21'25	29 ⁰ 30	28 ⁰ 10	29 ⁰ 15	27 ⁰ 52	3 ⁰ 57	12 ⁰ 15	10 ⁰ 15	18 ⁰ 27	7 ⁰ 24	28 ⁰ 35	28 ⁰ 11	26 ⁰ 19	14 ⁰ 18	S 8
S 9	19 9 8	17 ⁰ 18'39	14 ⁰ 11	0 ⁰ 12 7	0 ⁰ 11 21	28 ⁰ 35	3 ⁰ 50	12 ⁰ 20	10 ⁰ 18	18 ⁰ 27	7 ⁰ 23	28 ⁰ 29	28 ⁰ 8	26 ⁰ 26	14 ⁰ 21	S 9
M10	19 13 5	18 ⁰ 15'53	28 ⁰ 33	2 ⁰ 3	1 ⁰ 27	29 ⁰ 17	3 ⁰ 42	12 ⁰ 24	10 ⁰ 22	18 ⁰ 26	7 ⁰ 23	28 ⁰ 26	28 ⁰ 5	26 ⁰ 33	14 ⁰ 24	M10
T 11	19 17 2	19 ⁰ 13'06	12 ⁰ 35	3 ⁰ 57	2 ⁰ 33	0 ⁰ 11 0	3 ⁰ 35	12 ⁰ 29	10 ⁰ 25	18 ⁰ 25	7 ⁰ 22	28 ⁰ 25	28 ⁰ 1	26 ⁰ 39	14 ⁰ 28	T 11
W12	19 20 58	20 ⁰ 10'19	26 ⁰ 17	5 ⁰ 49	3 ⁰ 39	0 ⁰ 43	3 ⁰ 28	12 ⁰ 33	10 ⁰ 29	18 ⁰ 25	7 ⁰ 21	28 ⁰ 25	27 ⁰ 58	26 ⁰ 46	14 ⁰ 31	W12
T 13	19 24 55	21 ⁰ 7'32	9 ⁰ 13 39	7 ⁰ 38	4 ⁰ 44	1 ⁰ 25	3 ⁰ 21	12 ⁰ 38	10 ⁰ 32	18 ⁰ 24	7 ⁰ 20	28 ⁰ 25	27 ⁰ 55	26 ⁰ 53	14 ⁰ 35	T 13
F 14	19 28 51	22 ⁰ 4'45	22 ⁰ 44	9 ⁰ 26	5 ⁰ 50	2 ⁰ 8	3 ⁰ 13	12 ⁰ 42	10 ⁰ 36	18 ⁰ 24	7 ⁰ 19	28 ⁰ 23	27 ⁰ 52	27 ⁰ 0	14 ⁰ 38	F 14
S 15	19 32 48	23 ⁰ 1'58	5 ⁰ 34	11 ⁰ 12	6 ⁰ 55	2 ⁰ 50	3 ⁰ 6	12 ⁰ 46	10 ⁰ 39	18 ⁰ 23	7 ⁰ 19	28 ⁰ 19	27 ⁰ 49	27 ⁰ 6	14 ⁰ 42	S 15
S 16	19 36 44	23 ⁰ 59'11	18 ⁰ 12	12 ⁰ 56	8 ⁰ 0	3 ⁰ 33	2 ⁰ 58	12 ⁰ 50	10 ⁰ 43	18 ⁰ 23	7 ⁰ 18	28 ⁰ 12	27 ⁰ 46	27 ⁰ 13	14 ⁰ 46	S 16
M17	19 40 41	24 ⁰ 56'24	0 ⁰ 34 0	14 ⁰ 38	9 ⁰ 4	4 ⁰ 15	2 ⁰ 51	12 ⁰ 54	10 ⁰ 46	18 ⁰ 22	7 ⁰ 17	28 ⁰ 3	27 ⁰ 42	27 ⁰ 20	14 ⁰ 50	M17
T 18	19 44 38	25 ⁰ 53'37	12 ⁰ 59	16 ⁰ 18	10 ⁰ 9	4 ⁰ 57	2 ⁰ 43	12 ⁰ 58	10 ⁰ 50	18 ⁰ 22	7 ⁰ 16	27 ⁰ 51	27 ⁰ 39	27 ⁰ 26	14 ⁰ 54	T 18
W19	19 48 34	26 ⁰ 50'50	25 ⁰ 9	17 ⁰ 56	11 ⁰ 13	5 ⁰ 40	2 ⁰ 35	13 ⁰ 2	10 ⁰ 54	18 ⁰ 22	7 ⁰ 15	27 ⁰ 38	27 ⁰ 36	27 ⁰ 33	14 ⁰ 58	W19
T 20	19 52 31	27 ⁰ 48'03	7 ⁰ 12	19 ⁰ 32	12 ⁰ 17	6 ⁰ 22	2 ⁰ 28	13 ⁰ 6	10 ⁰ 57	18 ⁰ 21	7 ⁰ 14	27 ⁰ 24	27 ⁰ 33	27 ⁰ 40	15 ⁰ 2	T 20
F 21	19 56 27	28 ⁰ 45'17	19 ⁰ 9	21 ⁰ 6	13 ⁰ 21	7 ⁰ 4	2 ⁰ 20	13 ⁰ 9	11 ⁰ 1	18 ⁰ 21	7 ⁰ 13	27 ⁰ 11	27 ⁰ 30	27 ⁰ 46	15 ⁰ 6	F 21
S 22	20 0 24	29 ⁰ 42'31	1 ⁰ 11 2	22 ⁰ 38	14 ⁰ 25	7 ⁰ 46	2 ⁰ 12	13 ⁰ 13	11 ⁰ 5	18 ⁰ 21	7 ⁰ 12	27 ⁰ 0	27 ⁰ 26	27 ⁰ 53	15 ⁰ 11	S 22
S 23	20 4 20	0 ⁰ 39'46	12 ⁰ 52	24 ⁰ 8	15 ⁰ 28	8 ⁰ 28	2 ⁰ 4	13 ⁰ 16	11 ⁰ 8	18 ⁰ 20	7 ⁰ 11	26 ⁰ 51	27 ⁰ 23	28 ⁰ 0	15 ⁰ 15	S 23
M24	20 8 17	1 ⁰ 37'01	24 ⁰ 42	25 ⁰ 35	16 ⁰ 31	9 ⁰ 9	1 ⁰ 57	13 ⁰ 20	11 ⁰ 12	18 ⁰ 20	7 ⁰ 10	26 ⁰ 46	27 ⁰ 20	28 ⁰ 7	15 ⁰ 20	M24
T 25	20 12 13	2 ⁰ 34'17	6 ⁰ 13 36	27 ⁰ 1	17 ⁰ 34	9 ⁰ 51	1 ⁰ 49	13 ⁰ 23	11 ⁰ 16	18 ⁰ 20	7 ⁰ 9	26 ⁰ 42	27 ⁰ 17	28 ⁰ 13	15 ⁰ 25	T 25
W26	20 16 10	3 ⁰ 31'34	18 ⁰ 40	28 ⁰ 25	18 ⁰ 36	10 ⁰ 33	1 ⁰ 41	13 ⁰ 26	11 ⁰ 19	18 ⁰ 20	7 ⁰ 8	26 ⁰ 41	27 ⁰ 14	28 ⁰ 20	15 ⁰ 29	W26
T 27	20 20 6	4 ⁰ 28'51	0 ⁰ 35 56	29 ⁰ 47	19 ⁰ 39	11 ⁰ 14	1 ⁰ 34	13 ⁰ 29	11 ⁰ 23	18 ⁰ 20	7 ⁰ 7	26 ⁰ 41	27 ⁰ 11	28 ⁰ 27	15 ⁰ 34	T 27
F 28	20 24 3	5 ⁰ 26'10	13 ⁰ 31	1 ⁰ 11 6	20 ⁰ 41	11 ⁰ 56	1 ⁰ 26	13 ⁰ 32	11 ⁰ 27	18 ⁰ 20	7 ⁰ 6	26 ⁰ 41	27 ⁰ 7	28 ⁰ 33	15 ⁰ 39	F 28
S 29	20 28 0	6 ⁰ 23'29	26 ⁰ 30	2 ⁰ 24	21 ⁰ 42	12 ⁰ 37	1 ⁰ 18	13 ⁰ 35	11 ⁰ 30	18 ⁰ 20	7 ⁰ 5	26 ⁰ 40	27 ⁰ 4	28 ⁰ 40	15 ⁰ 44	S 29
S 30	20 31 56	7 ⁰ 20'49	9 ⁰ 11 57	3 ⁰ 39	22 ⁰ 44	13 ⁰ 18	1 ⁰ 10	13 ⁰ 38	11 ⁰ 34	18 ⁰ D20	7 ⁰ 4	26 ⁰ 36	27 ⁰ 1	28 ⁰ 47	15 ⁰ 49	S 30
M31	20 35 53	8 ⁰ 18'10	23 ⁰ 11 52	4 ⁰ 11 52	23 ⁰ 11 45	14 ⁰ 11 0	1 ⁰ 3	13 ⁰ 41	11 ⁰ 38	18 ⁰ M20	7 ⁰ 3	26 ⁰ 31	26 ⁰ 58	28 ⁰ 54	15 ⁰ 55	M31

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n 3	15n40	1s37	24n13	1n31	16n 3	1n49	17n46	0s42	19s29	0s27	13n 6	2s19	18n21	0n37	15s37	1n46	19s40	11s48
S 2	22 58	17 49	2 42	24 4	1 36	15 39	1 47	17 57	0 42	19 31	0 27	13 8	2 19	18 20	0 37	15 36	1 46	19 40	11 48
M 3	22 54	19 0	3 39	23 52	1 41	15 15	1 45	18 9	0 41	19 32	0 27	13 9	2 19	18 19	0 37	15 36	1 46	19 41	11 48
T 4	22 49	19 0	4 23	23 38	1 45	14 51	1 43	18 20	0 40	19 34	0 27	13 11	2 19	18 18	0 37	15 36	1 46	19 41	11 49
W 5	22 43	17 45	4 52	23 22	1 48	14 26	1 40	18 31	0 40	19 36	0 27	13 12	2 20	18 17	0 37	15 36	1 46	19 42	11 49
T 6	22 37	15 17	5 1	23 3	1 50	14 1	1 38	18 41	0 39	19 38	0 28	13 13	2 20	18 16	0 37	15 36	1 46	19 42	11 49
F 7	22 31	11 48	4 50	22 42	1 51	13 35	1 35	18 52	0 38	19 39	0 28	13 14	2 20	18 15	0 37	15 36	1 46	19 43	11 50
S 8	22 24	7 35	4 19	22 20	1 52	13 10	1 33	19 2	0 38	19 41	0 28	13 16	2 20	18 14	0 37	15 35	1 46	19 44	11 50
S 9	22 17	2 58	3 31	21 55	1 52	12 44	1 30	19 13	0 37	19 43	0 28	13 17	2 20	18 13	0 37	15 35	1 46	19 44	11 50
M10	22 9	1s44	2 31	21 29	1 52	12 18	1 27	19 23	0 36	19 45	0 28	13 18	2 21	18 12	0 37	15 35	1 46	19 45	11 50
T 11	22 1	6 14	1 23	21 1	1 50	11 51	1 24	19 32	0 35	19 47	0 28	13 19	2 21	18 11	0 37	15 35	1 46	19 45	11 51
W12	21 53	10 18	0 11	20 32	1 48	11 25	1 21	19 42	0 35	19 49	0 29	13 20	2 21	18 10	0 37	15 35	1 46	19 46	11 51
T 13	21 45	13 45	0n59	20 2	1 46	10 58	1 18	19 51	0 34	19 50	0 29	13 21	2 21	18 9	0 37	15 35	1 46	19 46	11 51
F 14	21 36	16 25	2 5	19 31	1 43	10 31	1 15	20 1	0 33	19 52	0 29	13 22	2 21	18 8	0 37	15 35	1 46	19 47	11 51
S 15	21 26	18 12	3 3	18 58	1 39	10 4	1 11	20 10	0 33	19 54	0 29	13 24	2 22	18 7	0 37	15 35	1 46	19 47	11 52
S 16	21 16	19 3	3 51	18 25	1 35	9 36	1 8	20 18	0 32	19 56	0 29	13 25	2 22	18 6	0 37	15 35	1 46	19 48	11 52
M17	21 6	18 57	4 27	17 51	1 30	9 9	1 4	20 27	0 31	19 58	0 29	13 26	2 22	18 6	0 37	15 35	1 46	19 48	11 52
T 18	20 56	17 57	4 50	17 16	1 24	8 41	1 0	20 35	0 30	20 0	0 29	13 27	2 22	18 5	0 37	15 34	1 46	19 49	11 52
W19	20 45	16 9	4 59	16 41	1 19	8 13	0 56	20 44	0 30	20 2	0 30	13 27	2 23	18 4	0 37	15 34	1 46	19 50	11 53
T 20	20 34	13 40	4 55	16 5	1 12	7 45	0 52	20 52	0 29	20 4	0 30	13 28	2 23	18 3	0 37	15 34	1 45	19 50	11 53
F 21	20 22	10 38	4 38	15 29	1 5	7 16	0 48	21 0	0 28	20 6	0 30	13 29	2 23	18 2	0 37	15 34	1 45	19 51	11 53
S 22	20 11	7 12	4 9	14 52	0 58	6 48	0 44	21 7	0 27	20 7	0 30	13 30	2 23	18 1	0 37	15 34	1 45	19 51	11 53
S 23	19 58	3 30	3 30	14 15	0 51	6 20	0 40	21 15	0 26	20 9	0 30	13 31	2 23	18 0	0 37	15 34	1 45	19 52	11 54
M24	19 46	0n21	2 41	13 38	0 43	5 51	0 35	21 22	0 26	20 11	0 30	13 32	2 24	17 59	0 37	15 34	1 45	19 53	11 54
T 25	19 33	4 13	1 44	13 1	0 34	5 22	0 30	21 29	0 25	20 13	0 30	13 32	2 24	17 58	0 37	15 34	1 45	19 53	11 54
W26	19 20	7 57	0 42	12 24	0 25	4 54	0 26	21 36	0 24	20 15	0 31	13 33	2 24	17 57	0 37	15 34	1 45	19 54	11 54
T 27	19 7	11 26	0s23	11 47	0 16	4 25	0 21	21 42	0 23	20 17	0 31	13 34	2 24	17 56	0 37	15 34	1 45	19 54	11 55
F 28	18 53	14 28	1 28	11 10	0 7	3 56	0 16	21 49	0 22	20 19	0 31	13 35	2 25	17 54	0 37	15 34	1 45	19 55	11 55
S 29	18 39	16 54	2 31	10 33	0s 3	3 27	0 11	21 55	0 22	20 20	0 31	13 35	2 25	17 53	0 37	15 34	1 45	19 55	11 55
S 30	18 24	18 29	3 28	9 57	0 13	2 58	0 6	22 1	0 21	20 22	0 31	13 36	2 25	17 52	0 37	15 35	1 45	19 56	11 55
M31	18n 9	19n 1	4s15	9n21	0s23	2n29	0n 1	22n 7	0s20	20s24	0s31	13n36	2s25	17n51	0n37	15s35	1n45	19s57	11s55

ASTRODIENST EPHEMERIS for the year 2293
geocentric

AUGUST 2293

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 49	9♏15'32	8♏17	6♏2	24♏46	14♏41	0°R55	13♏43	11♏41	18♏20	7°R 2	26°R23	26♏55	29♏0	16♏0	T 1
W 2	20 43 46	10°12'55	23° 7	7°10	25°46	15°22	0♏48	13°46	11°45	18°20	7♏1	26♏13	26°52	29° 7	16° 5	W 2
T 3	20 47 42	11°10'18	8♏14	8°16	26°47	16° 3	0°40	13°48	11°49	18°20	7° 0	26° 2	26°48	29°14	16°11	T 3
F 4	20 51 39	12° 7'43	23°29	9°18	27°47	16°44	0°33	13°51	11°52	18°20	6°59	25°52	26°45	29°20	16°16	F 4
S 5	20 55 35	13° 5'08	8♏40	10°19	28°46	17°24	0°25	13°53	11°56	18°20	6°57	25°44	26°42	29°27	16°22	S 5
S 6	20 59 32	14° 2'33	23°37	11°16	29°45	18° 5	0°18	13°55	12° 0	18°20	6°56	25°39	26°39	29°34	16°28	S 6
M 7	21 3 29	14°59'59	8♏14	12°10	0♏44	18°46	0°10	13°57	12° 4	18°21	6°55	25°35	26°36	29°40	16°34	M 7
T 8	21 7 25	15°57'26	22°26	13° 2	1°42	19°26	0° 3	13°59	12° 7	18°21	6°54	25°D34	26°32	29°47	16°39	T 8
W 9	21 11 22	16°54'54	6♏13	13°50	2°40	20° 7	29♏56	14° 1	12°11	18°21	6°53	25°35	26°29	29°54	16°45	W 9
T 10	21 15 18	17°52'22	19°35	14°34	3°38	20°47	29°49	14° 3	12°15	18°21	6°52	25°R35	26°26	0♏1	16°51	T 10
F 11	21 19 15	18°49'51	2♏35	15°15	4°35	21°27	29°42	14° 4	12°18	18°22	6°50	25°34	26°23	0° 7	16°58	F 11
S 12	21 23 11	19°47'21	15°18	15°52	5°32	22° 7	29°35	14° 6	12°22	18°22	6°49	25°31	26°20	0°14	17° 4	S 12
S 13	21 27 8	20°44'51	27°46	16°26	6°28	22°47	29°28	14° 7	12°26	18°23	6°48	25°26	26°17	0°21	17°10	S 13
M14	21 31 4	21°42'22	10♏2	16°55	7°24	23°27	29°22	14° 9	12°29	18°23	6°47	25°18	26°13	0°27	17°16	M14
T 15	21 35 1	22°39'54	22°10	17°20	8°19	24° 7	29°15	14°10	12°33	18°24	6°45	25° 8	26°10	0°34	17°23	T 15
W16	21 38 58	23°37'28	4♏11	17°40	9°14	24°47	29° 9	14°11	12°37	18°24	6°44	24°57	26° 7	0°41	17°29	W16
T 17	21 42 54	24°35'02	16° 7	17°55	10° 8	25°27	29° 2	14°12	12°40	18°25	6°43	24°46	26° 4	0°47	17°36	T 17
F 18	21 46 51	25°32'37	27°59	18° 6	11° 2	26° 6	28°56	14°13	12°44	18°25	6°42	24°35	26° 1	0°54	17°42	F 18
S 19	21 50 47	26°30'13	9♏50	18°R11	11°55	26°46	28°50	14°14	12°48	18°26	6°40	24°26	25°58	1° 1	17°49	S 19
S 20	21 54 44	27°27'51	21°41	18°11	12°48	27°25	28°44	14°14	12°51	18°27	6°39	24°19	25°54	1° 7	17°56	S 20
M21	21 58 40	28°25'30	3♏33	18° 5	13°40	28° 4	28°38	14°15	12°55	18°27	6°38	24°14	25°51	1°14	18° 3	M21
T 22	22 2 37	29°23'10	15°31	17°54	14°31	28°43	28°33	14°16	12°58	18°28	6°37	24°12	25°48	1°21	18°10	T 22
W23	22 6 33	0♏20'52	27°37	17°37	15°22	29°23	28°27	14°16	13° 2	18°29	6°35	24°D12	25°45	1°28	18°17	W23
T 24	22 10 30	1°18'35	9♏55	17°15	16°12	0♏1	28°22	14°16	13° 6	18°29	6°34	24°13	25°42	1°34	18°24	T 24
F 25	22 14 27	2°16'20	22°30	16°47	17° 1	0°40	28°16	14°16	13° 9	18°30	6°33	24°14	25°38	1°41	18°31	F 25
S 26	22 18 23	3°14'07	5♏26	16°13	17°50	1°19	28°11	14°R16	13°13	18°31	6°31	24°R14	25°35	1°48	18°38	S 26
S 27	22 22 20	4°11'55	18°47	15°34	18°38	1°58	28° 6	14°16	13°16	18°32	6°30	24°13	25°32	1°54	18°45	S 27
M28	22 26 16	5° 9'45	2♏36	14°51	19°25	2°36	28° 2	14°16	13°20	18°33	6°29	24°10	25°29	2° 1	18°52	M28
T 29	22 30 13	6° 7'37	16°53	14° 4	20°11	3°15	27°57	14°16	13°23	18°34	6°28	24° 5	25°26	2° 8	19° 0	T 29
W30	22 34 9	7° 5'31	1♏35	13°13	20°56	3°53	27°52	14°16	13°27	18°35	6°26	23°59	25°23	2°14	19° 7	W30
T 31	22 38 6	8♏3'26	16♏38	12♏20	21♏41	4♏31	27♏48	14♏15	13♏30	18♏36	6♏25	23♏52	25♏19	2♏21	19♏14	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	decl	lat
T 1	17n54	18n22	4s47	8n45	0s34	2n 0	0s 5	22n12	0s19	20s26	0s31	13n37	2s26	17n50	0n37	15s35	1n45	19s57	11s56	10s10	10s21	7s42	7s 2	0s49									
W 2	17 39	16 28	5 1	8 10	0 45	1 31	0 10	22 18	0 18	20 28	0 31	13 37	2 26	17 49	0 37	15 35	1 45	19 58	11 56	10 6	10 20	7 41	7 4	0 49									
T 3	17 24	13 26	4 55	7 36	0 56	1 2	0 16	22 23	0 17	20 29	0 32	13 38	2 26	17 48	0 37	15 35	1 45	19 58	11 56	10 2	10 19	7 39	7 6	0 48									
F 4	17 8	9 27	4 28	7 2	1 7	0 33	0 22	22 28	0 17	20 31	0 32	13 38	2 26	17 47	0 37	15 35	1 45	19 59	11 56	9 59	10 18	7 37	7 8	0 48									
S 5	16 52	4 53	3 42	6 29	1 18	0 4	0 27	22 33	0 16	20 33	0 32	13 39	2 26	17 46	0 37	15 35	1 45	20 0	11 56	9 56	10 17	7 35	7 9	0 48									
S 6	16 35	0 4	2 41	5 57	1 30	0s25	0 33	22 37	0 15	20 34	0 32	13 39	2 27	17 45	0 37	15 35	1 44	20 0	11 56	9 54	10 16	7 33	7 11	0 47									
M 7	16 19	4s39	1 31	5 25	1 41	0 54	0 39	22 41	0 14	20 36	0 32	13 40	2 27	17 44	0 37	15 35	1 44	20 1	11 57	9 53	10 14	7 31	7 13	0 47									
T 8	16 2	8 59	0 17	4 55	1 53	1 22	0 46	22 46	0 13	20 38	0 32	13 40	2 27	17 43	0 37	15 35	1 44	20 1	11 57	9 52	10 13	7 29	7 15	0 46									
W 9	15 44	12 41	0n56	4 26	2 5	1 51	0 52	22 50	0 12	20 39	0 32	13 40	2 27	17 42	0 37	15 36	1 44	20 2	11 57	9 52	10 12	7 28	7 17	0 46									
T 10	15 27	15 36	2 4	3 58	2 17	2 20	0 58	22 53	0 11	20 41	0 32	13 41	2 28	17 41	0 37	15 36	1 44	20 3	11 57	9 52	10 11	7 26	7 19	0 46									
F 11	15 9	17 38	3 4	3 31	2 28	2 49	1 5	22 57	0 10	20 42	0 32	13 41	2 28	17 40	0 37	15 36	1 44	20 3	11 57	9 52	10 10	7 24	7 21	0 45									
S 12	14 51	18 44	3 52	3 6	2 40	3 17	1 11	23 0	0 10	20 44	0 33	13 41	2 28	17 39	0 37	15 36	1 44	20 4	11 57	9 51	10 9	7 22	7 23	0 45									
S 13	14 33	18 54	4 29	2 42	2 52	3 45	1 18	23 3	0 9	20 45	0 33	13 41	2 28	17 38	0 37	15 36	1 44	20 4	11 57	9 49	10 8	7 20	7 25	0 44									
M14	14 15	18 9	4 53	2 21	3 3	4 14	1 25	23 6	0 8	20 47	0 33	13 41	2 29	17 37	0 37	15 36	1 44	20 5	11 58	9 46	10 6	7 18	7 27	0 44									
T 15	13 56	16 36	5 3	2 1	3 15	4 42	1 31	23 9	0 7	20 48	0 33	13 41	2 29	17 36	0 37	15 37	1 44	20 6	11 58	9 43	10 5	7 16	7 29	0 44									
W16	13 37	14 20	5 0	1 43	3 26	5 10	1 38	23 12	0 6	20 50	0 33	13 42	2 29	17 35	0 37	15 37	1 44	20 6	11 58	9 39	10 4	7 15	7 31	0 43									
T 17	13 18	11 28	4 43	1 27	3 36	5 38	1 45	23 14	0 5	20 51	0 33	13 42	2 29	17 34	0 37	15 37	1 44	20 7	11 58	9 35	10 3	7 13	7 33	0 43									
F 18	12 59	8 10	4 14	1 13	3 46	6 5	1 53	23 16	0 4	20 53	0 33	13 42	2 30	17 33	0 37	15 37	1 44	20 7	11 58	9 31	10 2	7 11	7 35	0 42									
S 19	12 40	4 33	3 34	1 2	3 56	6 33	2 0	23 18	0 3	20 54	0 33	13 42	2 30	17 32	0 37	15 37	1 44	20 8	11 58	9 27	10 1	7 9	7 38	0 42									
S 20	12 20	0 46	2 45	0 54	4 5	7 0	2 7	23 20	0 2	20 55	0 33	13 42	2 30	17 31	0 37	15 38	1 44	20 8	11 58	9 25	9 59	7 7	7 40	0 42									
M21	12 0	3n 4	1 48	0 49	4 14	7 27	2 15	23 22	0 1	20 56	0 33	13 42	2 30	17 30	0 37	15 38	1 44	20 9	11 58	9 23	9 58	7 5	7 42	0 41									
T 22	11 40	6 49	0 47	0 46	4 21	7 54	2 22	23 23	0 0	20 58	0 33	13 41	2 31	17 29	0 37	15 38	1 44	20 10	11 58	9 22	9 57	7 3	7 44	0 41									
W23	11 20	10 19	0s18	0 47	4 27	8 20	2 30	23 25	0n 1	20 59	0 33	13 41	2 31	17 28	0 37	15 38	1 43	20 10	11 59	9 22	9 56	7 2	7 47	0 40									
T 24	10 59	13 26	1 24	0 50	4 33	8 47	2 37	23 26	0 2	21 0	0 33	13 41	2 31	17 27	0 37	15 39	1 43	20 11	11 59	9 22	9 55	7 0	7 49	0 40									
F 25	10 39	16 0	2 26	0 58	4 37	9 13	2 45	23 26	0 3	21 1	0 33	13 41	2 31	17 26	0 37	15 39	1 43	20 11	11 59	9 23	9 54	6 58	7 51	0 40									
S 26	10 18	17 50	3 24	1 8	4 39	9 39	2 53	23 27	0 4	21 2	0 34	13 41	2 32	17 25	0 37	15 39	1 43	20 12	11 59	9 23	9 53	6 56	7 54	0 39									
S 27	9 57	18 45	4 12	1 22	4 41	10 4	3 1	23 28	0 5	21 3	0 34	13 41	2 32	17 24	0 37	15 39	1 43	20 12	11 59	9 22	9 51	6 54	7 56	0 39									
M28	9 36	18 36	4 47	1 39	4 40	10 30	3 9	23 28	0 6	21 4	0 34	13 40	2 32	17 23	0 37	15 40	1 43	20 13	11 59	9 21	9 50	6 52	7 58	0 39									
T 29	9 15	17 17	5 6	1 59	4 38	10 55	3 17	23 28	0 7	21 5	0 34	13 40	2 32	17 22	0 37	15 40	1 43	20 13	11 59	9 20	9 49	6 50	8 1	0 38									
W30	8 54	14 48	5 6	2 22	4 33	11 20	3 25	23 28	0 8	21 6	0 34	13 40	2 33	17 21	0 37	15 40	1 43	20 14	11 59	9 17	9 48	6 48	8 3	0 38									
T 31	8n32	11n18	4s44	2n48	4s27	11s44	3s33	23n28	0n 9	21s 7	0s34	13n39	2s33	17n20	0n37	15s41	1n43	20s14	11s59	9s15	9s47	6s47	8s 6	0s37									

Julian Day Number = 2558773.5, Delta T = 285.99 sec
Ecliptic obliquity = 23°23'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°50'38, Lahiri = 27°57'38

ASTRODIENST EPHEMERIS for the year 2293

geocentric

SEPTEMBER 2293

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 42 2	9 ^h 1'23	1 ^h 52	11°R26	22 ^h 25	5 ^h 9	27°R44	14°R15	13 ^h 34	18 ^h 37	6°R24	23°R46	25 ^h 16	2 ^h 28	19 ^h 22	F 1
S 2	22 45 59	9°59'21	17° 7	10 ^h 30	23° 8	5°47	27 ^h 40	14 ^h 14	13°37	18°38	6 ^h 22	23 ^h 40	25°13	2°35	19°29	S 2
S 3	22 49 56	10°57'20	2 ^h 13	9°36	23°49	6°25	27°36	14°13	13°40	18°39	6°21	23°37	25°10	2°41	19°37	S 3
M 4	22 53 52	11°55'22	17° 0	8°43	24°30	7° 3	27°33	14°12	13°44	18°40	6°20	23°D35	25° 7	2°48	19°45	M 4
T 5	22 57 49	12°53'24	1 ^h 23	7°53	25°10	7°41	27°29	14°11	13°47	18°41	6°19	23°35	25° 3	2°55	19°52	T 5
W 6	23 1 45	13°51'28	15°19	7° 7	25°49	8°18	27°26	14°10	13°51	18°42	6°17	23°36	25° 0	3° 1	20° 0	W 6
T 7	23 5 42	14°49'33	28°48	6°26	26°26	8°56	27°23	14° 9	13°54	18°44	6°16	23°37	24°57	3° 8	20° 8	T 7
F 8	23 9 38	15°47'40	11 ^h 52	5°52	27° 2	9°33	27°20	14° 8	13°57	18°45	6°15	23°R38	24°54	3°15	20°16	F 8
S 9	23 13 35	16°45'48	24°34	5°25	27°38	10°10	27°17	14° 6	14° 0	18°46	6°14	23°38	24°51	3°21	20°23	S 9
S 10	23 17 31	17°43'58	6 ^h 59	5° 5	28°11	10°47	27°15	14° 5	14° 4	18°47	6°12	23°36	24°48	3°28	20°31	S 10
M 11	23 21 28	18°42'09	19°11	4°53	28°44	11°24	27°12	14° 3	14° 7	18°49	6°11	23°33	24°44	3°35	20°39	M 11
T 12	23 25 25	19°40'21	1 ^h 12	4°D50	29°15	12° 1	27°10	14° 1	14°10	18°50	6°10	23°28	24°41	3°41	20°47	T 12
W 13	23 29 21	20°38'35	13° 8	4°56	29°44	12°37	27° 8	14° 0	14°13	18°51	6° 9	23°23	24°38	3°48	20°55	W 13
T 14	23 33 18	21°36'51	25° 0	5°11	30°13	13°14	27° 6	13°58	14°16	18°53	6° 7	23°17	24°35	3°55	21° 3	T 14
F 15	23 37 14	22°35'08	6 ^h 50	5°35	30°39	13°50	27° 5	13°56	14°19	18°54	6° 6	23°11	24°32	4° 2	21°12	F 15
S 16	23 41 11	23°33'27	18°42	6° 7	1° 4	14°26	27° 3	13°54	14°23	18°55	6° 5	23° 7	24°29	4° 8	21°20	S 16
S 17	23 45 7	24°31'47	0 ^h 37	6°49	1°27	15° 3	27° 2	13°51	14°26	18°57	6° 4	23° 4	24°25	4°15	21°28	S 17
M 18	23 49 4	25°30'10	12°37	7°38	1°49	15°38	27° 1	13°49	14°29	18°58	6° 2	23° 2	24°22	4°22	21°36	M 18
T 19	23 53 0	26°28'34	24°43	8°35	2° 8	16°14	27° 0	13°47	14°32	19° 0	6° 1	23°D 1	24°19	4°28	21°44	T 19
W 20	23 56 57	27°27'01	6 ^h 59	9°40	2°26	16°50	27° 0	13°44	14°35	19° 1	6° 0	23° 2	24°16	4°35	21°53	W 20
T 21	0 0 53	28°25'29	19°26	10°51	2°42	17°26	26°59	13°42	14°37	19° 3	5°59	23° 3	24°13	4°42	22° 1	T 21
F 22	0 4 50	29°24'00	2 ^h 11	12° 8	2°56	18° 1	26°59	13°39	14°40	19° 5	5°58	23° 5	24° 9	4°48	22° 9	F 22
S 23	0 8 47	30°22'32	15° 7	13°31	3° 8	18°36	26°D59	13°36	14°43	19° 6	5°57	23° 6	24° 6	4°55	22°18	S 23
S 24	0 12 43	1°21'07	28°26	14°58	3°18	19°11	26°59	13°34	14°46	19° 8	5°55	23°R 7	24° 3	5° 2	22°26	S 24
M 25	0 16 40	2°19'45	12°37	16°30	3°25	19°46	26°59	13°31	14°49	19° 9	5°54	23° 7	24° 0	5° 8	22°35	M 25
T 26	0 20 36	3°18'24	26°12	18° 6	3°31	20°21	27° 0	13°28	14°52	19°11	5°53	23° 6	23°57	5°15	22°43	T 26
W 27	0 24 33	4°17'05	10 ^h 39	19°45	3°34	20°56	27° 0	13°24	14°54	19°13	5°52	23° 4	23°54	5°22	22°52	W 27
T 28	0 28 29	5°15'49	25°25	21°26	3°R35	21°30	27° 1	13°21	14°57	19°15	5°51	23° 1	23°50	5°28	23° 0	T 28
F 29	0 32 26	6°14'35	10 ^h 23	23°10	3°34	22° 5	27° 2	13°18	15° 0	19°16	5°50	22°59	23°47	5°35	23° 9	F 29
S 30	0 36 22	7°13'23	25 ^h 25	24 ^h 55	3 ^h 30	22°39	27 ^h 4	13°15	15° 2	19°18	5°49	22°57	23°44	5°42	23°17	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8n10	7n 0	4s 3	3n16	4s19	12s 8	3s41	23n28	0n10	21s 8	0s34	13n39	2s33	17n19	0n37	F 1
S 2	7 49	2 15	3 4	3 46	4 9	12 32	3 50	23 27	0 11	21 9	0 34	13 38	2 33	17 18	0 37	S 2
S 3	7 27	2s37	1 53	4 17	3 57	12 55	3 58	23 26	0 12	21 10	0 34	13 38	2 34	17 17	0 37	S 3
M 4	7 5	7 13	0 36	4 50	3 44	13 18	4 7	23 25	0 13	21 10	0 34	13 38	2 34	17 16	0 37	M 4
T 5	6 43	11 16	0n42	5 22	3 29	13 41	4 15	23 24	0 14	21 11	0 34	13 37	2 34	17 15	0 37	T 5
W 6	6 20	14 33	1 55	5 54	3 13	14 3	4 23	23 23	0 15	21 12	0 34	13 36	2 34	17 14	0 37	W 6
T 7	5 58	16 56	3 0	6 25	2 55	14 24	4 32	23 22	0 16	21 12	0 34	13 36	2 34	17 13	0 37	T 7
F 8	5 36	18 20	3 53	6 54	2 37	14 46	4 40	23 20	0 17	21 13	0 34	13 35	2 35	17 12	0 37	F 8
S 9	5 13	18 45	4 33	7 22	2 18	15 6	4 49	23 19	0 18	21 14	0 34	13 35	2 35	17 12	0 37	S 9
S 10	4 50	18 15	4 59	7 47	1 59	15 26	4 58	23 17	0 19	21 14	0 34	13 34	2 35	17 11	0 37	S 10
M 11	4 28	16 54	5 11	8 9	1 40	15 46	5 6	23 15	0 20	21 15	0 34	13 33	2 35	17 10	0 37	M 11
T 12	4 5	14 50	5 9	8 28	1 21	16 5	5 15	23 13	0 21	21 15	0 34	13 33	2 36	17 9	0 37	T 12
W 13	3 42	12 9	4 53	8 44	1 2	16 24	5 23	23 10	0 22	21 15	0 34	13 32	2 36	17 8	0 37	W 13
T 14	3 19	9 0	4 26	8 55	0 44	16 42	5 32	23 8	0 23	21 16	0 34	13 31	2 36	17 7	0 37	T 14
F 15	2 56	5 29	3 46	9 3	0 26	16 59	5 40	23 5	0 25	21 16	0 34	13 30	2 36	17 6	0 37	F 15
S 16	2 33	1 45	2 57	9 7	0 9	17 16	5 49	23 3	0 26	21 16	0 34	13 30	2 36	17 5	0 37	S 16
S 17	2 10	2n 5	2 0	9 6	0n 7	17 32	5 57	23 0	0 27	21 17	0 34	13 29	2 37	17 4	0 38	S 17
M 18	1 47	5 51	0 57	9 2	0 22	17 47	6 5	22 57	0 28	21 17	0 34	13 28	2 37	17 4	0 38	M 18
T 19	1 24	9 25	0s 9	8 53	0 36	18 2	6 13	22 54	0 29	21 17	0 34	13 27	2 37	17 3	0 38	T 19
W 20	1 1	12 37	1 16	8 41	0 48	18 16	6 21	22 51	0 30	21 17	0 34	13 26	2 37	17 2	0 38	W 20
T 21	0 38	15 18	2 20	8 25	1 0	18 29	6 29	22 47	0 31	21 17	0 34	13 25	2 37	17 1	0 38	T 21
F 22	0 14	17 18	3 19	8 5	1 10	18 41	6 37	22 44	0 33	21 17	0 34	13 24	2 38	17 0	0 38	F 22
S 23	0s 9	18 27	4 9	7 41	1 19	18 52	6 45	22 40	0 34	21 17	0 34	13 23	2 38	16 59	0 38	S 23
S 24	0 32	18 36	4 47	7 15	1 27	19 2	6 52	22 36	0 35	21 17	0 34	13 22	2 38	16 59	0 38	S 24
M 25	0 55	17 42	5 10	6 45	1 34	19 12	6 59	22 32	0 36	21 17	0 34	13 21	2 38	16 58	0 38	M 25
T 26	1 19	15 43	5 15	6 13	1 39	19 20	7 6	22 29	0 37	21 17	0 35	13 20	2 38	16 57	0 38	T 26
W 27	1 42	12 42	5 1	5 39	1 44	19 27	7 12	22 24	0 39	21 17	0 35	13 19	2 38	16 56	0 38	W 27
T 28	2 5	8 50	4 27	5 2	1 47	19 33	7 19	22 20	0 40	21 17	0 35	13 18	2 39	16 56	0 38	T 28
F 29	2 29	4 21	3 34	4 23	1 50	19 38	7 25	22 16	0 41	21 17	0 35	13 17	2 39	16 55	0 38	F 29
S 30	2s52	0s26	2s26	3n43	1n51	19s42	7s30	22n12	0n42	21s17	0s35	13n16	2s39	16n54	0n38	S 30

Julian Day Number = 2558804.5, Delta T = 286.13 sec

Ecliptic obliquity = 23°23'56, Nutation = 0°00'08, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 28°50'42, Lahiri = 27°57'43

ASTRODIENST EPHEMERIS for the year 2293
geocentric

NOVEMBER 2293

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 42 32	8♌51°57	1♌33	19♌26	19°R 5	9♏ 9	29♏22	10°R57	16♏ 3	20♌23	5°R24	22°R56	22♏ 2	9♏16	27♏57	W 1
T 2	2 46 29	9°51'51	15° 9	20°59	18♏48	9°36	29°29	10♏52	16° 4	20°25	5♏24	22♏53	21°59	9°22	28° 5	T 2
F 3	2 50 25	10°51'47	28°22	22°31	18°32	10° 3	29°37	10°47	16° 5	20°27	5°23	22°51	21°56	9°29	28°14	F 3
S 4	2 54 22	11°51'44	11♏13	24° 3	18°19	10°29	29°44	10°42	16° 6	20°30	5°23	22°48	21°53	9°36	28°23	S 4
S 5	2 58 18	12°51'43	23°44	25°34	18° 8	10°55	29°52	10°38	16° 7	20°32	5°22	22°46	21°50	9°42	28°31	S 5
M 6	3 2 15	13°51'44	5♏57	27° 5	18° 0	11°21	29°59	10°33	16° 8	20°34	5°22	22°45	21°46	9°49	28°40	M 6
T 7	3 6 11	14°51'46	17°58	28°35	17°54	11°46	0♏ 7	10°28	16° 9	20°36	5°22	22°D45	21°43	9°56	28°49	T 7
W 8	3 10 8	15°51'50	29°51	0♏ 5	17°51	12°11	0°15	10°23	16° 9	20°39	5°21	22°46	21°40	10° 3	28°57	W 8
T 9	3 14 5	16°51'55	11♏41	1°34	17°D50	12°36	0°23	10°18	16°10	20°41	5°21	22°47	21°37	10° 9	29° 6	T 9
F 10	3 18 1	17°52'02	23°33	3° 3	17°52	13° 1	0°32	10°14	16°11	20°43	5°21	22°49	21°34	10°16	29°14	F 10
S 11	3 21 58	18°52'10	5♏31	4°32	17°56	13°25	0°40	10° 9	16°11	20°45	5°21	22°50	21°31	10°23	29°23	S 11
S 12	3 25 54	19°52'20	17°39	5°59	18° 2	13°49	0°49	10° 4	16°12	20°48	5°21	22°R51	21°27	10°29	29°31	S 12
M13	3 29 51	20°52'32	0♏ 0	7°27	18°10	14°12	0°57	9°59	16°12	20°50	5°20	22°51	21°24	10°36	29°40	M13
T 14	3 33 47	21°52'45	12°36	8°54	18°21	14°35	1° 6	9°55	16°13	20°52	5°20	22°50	21°21	10°43	29°48	T 14
W15	3 37 44	22°53'00	25°28	10°20	18°34	14°58	1°15	9°50	16°13	20°54	5°20	22°47	21°18	10°49	29°56	W15
T 16	3 41 40	23°53'17	8♏36	11°45	18°49	15°20	1°24	9°46	16°13	20°57	5°20	22°43	21°15	10°56	0♏ 5	T 16
F 17	3 45 37	24°53'36	21°59	13°10	19° 6	15°42	1°33	9°41	16°14	20°59	5°20	22°37	21°12	11° 3	0°13	F 17
S 18	3 49 34	25°53'56	5♏35	14°34	19°25	16° 4	1°43	9°36	16°14	21° 1	5°D20	22°32	21° 8	11° 9	0°21	S 18
S 19	3 53 30	26°54'19	19°22	15°58	19°47	16°25	1°52	9°32	16°14	21° 3	5°20	22°27	21° 5	11°16	0°30	S 19
M20	3 57 27	27°54'43	3♏17	17°20	20°10	16°45	2° 2	9°27	16°14	21° 6	5°20	22°23	21° 2	11°23	0°38	M20
T 21	4 1 23	28°55'09	17°19	18°41	20°34	17° 6	2°12	9°23	16°R14	21° 8	5°20	22°21	20°59	11°29	0°46	T 21
W22	4 5 20	29°55'37	1♏25	20° 2	21° 1	17°25	2°21	9°19	16°14	21°10	5°20	22°D20	20°56	11°36	0°54	W22
T 23	4 9 16	0♏56'07	15°35	21°21	21°29	17°45	2°31	9°14	16°14	21°12	5°20	22°21	20°52	11°43	1° 2	T 23
F 24	4 13 13	1°56'38	29°46	22°38	21°59	18° 4	2°41	9°10	16°14	21°14	5°20	22°22	20°49	11°49	1°10	F 24
S 25	4 17 9	2°57'12	13♏57	23°54	22°31	18°22	2°52	9° 6	16°14	21°17	5°21	22°24	20°46	11°56	1°18	S 25
S 26	4 21 6	3°57'47	28° 5	25° 9	23° 4	18°40	3° 2	9° 2	16°14	21°19	5°21	22°R24	20°43	12° 3	1°26	S 26
M27	4 25 3	4°58'24	12♏ 8	26°21	23°38	18°58	3°12	8°58	16°13	21°21	5°21	22°22	20°40	12° 9	1°34	M27
T 28	4 28 59	5°59'02	26° 1	27°31	24°14	19°15	3°23	8°54	16°13	21°23	5°21	22°18	20°37	12°16	1°42	T 28
W29	4 32 56	6°59'42	9♏42	28°38	24°51	19°31	3°33	8°50	16°13	21°25	5°22	22°12	20°33	12°23	1°50	W29
T 30	4 36 52	8♏ 0'23	23♏ 7	29♏42	25♏30	19♏47	3♏44	8♏46	16♏12	21♏28	5♏22	22♏ 4	20♏30	12♏29	1♏58	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	14s26	17s13	3n18	18s21	0s50	11s35	4s28	19n21	1n28	20s49	0s35	12n32	2s41	16n37	0n39	16s12	1n41	20s31	11s52	8s54	8s34	4s50	10s59	0s17	
T 2	14 45	18 26	4 10	18 52	0 56	11 15	4 13	19 15	1 29	20 47	0 35	12 30	2 41	16 37	0 39	16 12	1 41	20 31	11 52	8 53	8 33	4 48	11 2	0 17	
F 3	15 4	18 36	4 47	19 23	1 2	10 55	3 58	19 9	1 31	20 46	0 35	12 29	2 41	16 37	0 39	16 13	1 41	20 31	11 52	8 52	8 32	4 46	11 5	0 16	
S 4	15 22	17 47	5 9	19 52	1 9	10 37	3 43	19 4	1 33	20 44	0 35	12 27	2 41	16 36	0 39	16 13	1 41	20 31	11 51	8 51	8 31	4 45	11 8	0 16	
S 5	15 40	16 8	5 16	20 20	1 15	10 19	3 29	18 58	1 34	20 42	0 35	12 26	2 41	16 36	0 39	16 14	1 41	20 31	11 51	8 50	8 29	4 43	11 11	0 16	
M 6	15 58	13 47	5 7	20 47	1 21	10 2	3 14	18 53	1 36	20 41	0 35	12 24	2 41	16 36	0 39	16 15	1 41	20 31	11 51	8 50	8 28	4 41	11 13	0 16	
T 7	16 16	10 53	4 46	21 14	1 27	9 46	2 59	18 47	1 38	20 39	0 35	12 23	2 41	16 36	0 39	16 15	1 41	20 31	11 51	8 50	8 27	4 39	11 16	0 15	
W 8	16 34	7 34	4 12	21 39	1 33	9 32	2 45	18 42	1 39	20 37	0 35	12 22	2 41	16 36	0 39	16 16	1 41	20 31	11 51	8 50	8 26	4 37	11 19	0 15	
T 9	16 51	3 58	3 28	22 3	1 38	9 18	2 31	18 37	1 41	20 36	0 35	12 20	2 41	16 35	0 39	16 16	1 41	20 31	11 50	8 51	8 25	4 35	11 22	0 15	
F 10	17 8	0 12	2 34	22 26	1 44	9 6	2 17	18 31	1 43	20 34	0 35	12 19	2 41	16 35	0 39	16 17	1 41	20 30	11 50	8 51	8 24	4 33	11 24	0 14	
S 11	17 24	3n38	1 34	22 48	1 49	8 55	2 3	18 26	1 45	20 32	0 35	12 17	2 41	16 35	0 40	16 18	1 41	20 30	11 50	8 52	8 22	4 31	11 27	0 14	
S 12	17 41	7 21	0 29	23 9	1 54	8 45	1 50	18 21	1 46	20 30	0 35	12 16	2 41	16 35	0 40	16 18	1 41	20 30	11 50	8 52	8 21	4 30	11 30	0 14	
M13	17 57	10 51	0s39	23 28	1 59	8 36	1 37	18 16	1 48	20 28	0 35	12 15	2 41	16 35	0 40	16 19	1 41	20 30	11 49	8 52	8 20	4 28	11 33	0 13	
T 14	18 12	13 54	1 46	23 47	2 4	8 28	1 24	18 11	1 50	20 26	0 35	12 13	2 41	16 35	0 40	16 19	1 41	20 30	11 49	8 52	8 19	4 26	11 35	0 13	
W15	18 28	16 21	2 49	24 4	2 8	8 22	1 11	18 6	1 52	20 24	0 35	12 12	2 40	16 35	0 40	16 20	1 41	20 30	11 49	8 51	8 18	4 24	11 38	0 13	
T 16	18 43	18 0	3 44	24 20	2 12	8 16	0 59	18 1	1 54	20 22	0 35	12 11	2 40	16 35	0 40	16 20	1 41	20 29	11 49	8 49	8 16	4 22	11 41	0 12	
F 17	18 58	18 41	4 29	24 35	2 16	8 12	0 47	17 57	1 56	20 20	0 35	12 9	2 40	16 35	0 40	16 21	1 41	20 29	11 48	8 47	8 15	4 20	11 43	0 12	
S 18	19 12	18 19	4 58	24 49	2 19	8 8	0 35	17 52	1 58	20 18	0 35	12 8	2 40	16 35	0 40	16 22	1 41	20 29	11 48	8 45	8 14	4 18	11 46	0 12	
S 19	19 26	16 52	5 11	25 1	2 23	8 6	0 24	17 47	2 0	20 16	0 35	12 7	2 40	16 35	0 40	16 22	1 41	20 29	11 48	8 43	8 13	4 16	11 48	0 12	
M20	19 40	14 25	5 6	25 12	2 25	8 4	0 13	17 43	2 1	20 14	0 35	12 5	2 40	16 35	0 40	16 23	1 41	20 28	11 48	8 42	8 12	4 14	11 51	0 11	
T 21	19 53	11 8	4 43	25 22	2 28	8 4	0 3	17 39	2 3	20 12	0 35	12 4	2 40	16 35	0 40	16 23	1 41	20 28	11 47	8 41	8 10	4 13	11 53	0 11	
W22	20 6	7 10	4 2	25 31	2 30	8 4	0n 8	17 35	2 5	20 10	0 35	12 3	2 40	16 35	0 40	16 24	1 41	20 28	11 47	8 41	8 9	4 11	11 56	0 11	
T 23	20 19	2 48	3 7	25 38	2 31	8 5	0 18	17 31	2 7	20 7	0 35	12 2	2 39	16 35	0 40	16 24	1 41	20 28	11 47	8 41	8 8	4 9	11 59	0 10	
F 24	20 31	1s45	2 0	25 44	2 32	8 8	0 27	17 27	2 9	20 5	0 35	12 0	2 39	16 35	0 40	16 25	1 41	20 27	11 47	8 42	8 7	4 7	12 1	0 10	
S 25	20 43	6 12	0 46	25 48	2 33	8 11	0 37	17 23	2 12	20 3	0 35	11 59	2 39	16 35	0 40	16 26	1 41	20 27	11 46	8 42	8 6	4 5	12 4	0 10	
S 26	20 54	10 18	0n31	25 51	2 33	8 15	0 46	17 19	2 14	20 0	0 35	11 58	2 39	16 35	0 40	16 26	1 41	20 27	11 46	8 42	8 5	4 3	12 6	0 9	
M27	21 5	13 47	1 45	25 53	2 32	8 19	0 54	17 16	2 16	19 58	0 35	11 57	2 39	16 35	0 40	16 27	1 41	20 26	11 46	8 42	8 3	4 1	12 8	0 9	
T 28	21 16	16 26	2 52	25 53	2 31	8 25	1 3	17 12	2 18	19 56	0 35	11 56	2 39	16 35	0 40	16 27	1 41	20 26	11 46	8 40	8 2	3 59	12 11	0 9	
W29	21 26	18 7	3 48	25 52	2 29	8 31	1 11	17 9	2 20	19 53	0 35	11 55	2 38	16 36	0 40	16 28	1 41	20 26	11 45	8 38	8 1	3 57	12 13	0 8	
T 30	21s36	18s44	4n30	25s50	2s26	8s38	1n18	17n 6	2n22	19s51	0s35	11n54	2s38	16m36	0n40	16s28	1n41	20s25	11s45	8s35	8s 0	3s56	12s16	0s 8	

ASTRODIENST EPHEMERIS for the year 2293
geocentric

DECEMBER 2293

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 40 49	9♌1'06	6♋15	0♋43	26♌9	20♌3	3♌55	8°R42	16°R12	21♌30	5♌22	21°R56	20♌27	12♌36	2♌5	F 1
S 2	4 44 45	10° 1'50	19° 3	1°40	26°50	20°18	4° 6	8♋38	16♌11	21°32	5°22	21♌47	20°24	12°43	2°13	S 2
S 3	4 48 42	11° 2'35	1♌33	2°32	27°32	20°32	4°17	8°34	16°10	21°34	5°23	21°39	20°21	12°49	2°21	S 3
M 4	4 52 38	12° 3'21	13°47	3°19	28°16	20°46	4°28	8°31	16°10	21°36	5°23	21°33	20°18	12°56	2°28	M 4
T 5	4 56 35	13° 4'07	25°48	4° 0	29° 0	20°59	4°39	8°27	16° 9	21°38	5°24	21°29	20°14	13° 3	2°36	T 5
W 6	5 0 32	14° 4'55	7♌41	4°35	29°45	21°12	4°51	8°24	16° 8	21°41	5°24	21°27	20°11	13° 9	2°43	W 6
T 7	5 4 28	15° 5'44	19°30	5° 3	0♌31	21°24	5° 2	8°20	16° 7	21°43	5°25	21°D27	20° 8	13°16	2°50	T 7
F 8	5 8 25	16° 6'34	1°V21	5°22	1°19	21°36	5°14	8°17	16° 7	21°45	5°25	21°28	20° 5	13°23	2°58	F 8
S 9	5 12 21	17° 7'24	13°19	5°33	2° 7	21°46	5°25	8°14	16° 6	21°47	5°26	21°29	20° 2	13°29	3° 5	S 9
S 10	5 16 18	18° 8'15	25°30	5°R33	2°56	21°57	5°37	8°11	16° 5	21°49	5°26	21°R29	19°58	13°36	3°12	S 10
M 11	5 20 14	19° 9'08	7♌57	5°23	3°45	22° 6	5°49	8° 8	16° 4	21°51	5°27	21°28	19°55	13°43	3°19	M 11
T 12	5 24 11	20°10'01	20°44	5° 3	4°36	22°15	6° 1	8° 5	16° 2	21°53	5°27	21°24	19°52	13°49	3°26	T 12
W 13	5 28 7	21°10'55	3♌52	4°30	5°28	22°24	6°13	8° 2	16° 1	21°55	5°28	21°18	19°49	13°56	3°33	W 13
T 14	5 32 4	22°11'50	17°22	3°47	6°20	22°31	6°25	7°59	16° 0	21°57	5°29	21° 9	19°46	14° 3	3°40	T 14
F 15	5 36 1	23°12'45	1♌12	2°52	7°13	22°38	6°37	7°57	15°59	21°59	5°29	20°59	19°43	14°10	3°47	F 15
S 16	5 39 57	24°13'42	15°16	1°48	8° 6	22°45	6°49	7°54	15°58	22° 1	5°30	20°48	19°39	14°16	3°54	S 16
S 17	5 43 54	25°14'40	29°31	0°36	9° 1	22°50	7° 1	7°52	15°56	22° 3	5°31	20°38	19°36	14°23	4° 1	S 17
M 18	5 47 50	26°15'39	13♌51	29♌17	9°56	22°55	7°14	7°49	15°55	22° 5	5°31	20°29	19°33	14°30	4° 8	M 18
T 19	5 51 47	27°16'38	28°10	27°55	10°51	22°59	7°26	7°47	15°54	22° 7	5°32	20°23	19°30	14°36	4°14	T 19
W 20	5 55 43	28°17'39	12♌26	26°32	11°47	23° 3	7°38	7°45	15°52	22° 9	5°33	20°20	19°27	14°43	4°21	W 20
T 21	5 59 40	29°18'40	26°34	25°11	12°44	23° 5	7°51	7°43	15°51	22°11	5°34	20°D19	19°23	14°50	4°27	T 21
F 22	6 3 36	0♋19'43	10♌35	23°54	13°41	23° 7	8° 4	7°41	15°49	22°13	5°35	20°19	19°20	14°56	4°33	F 22
S 23	6 7 33	1°20'47	24°28	22°45	14°39	23° 8	8°16	7°39	15°47	22°14	5°35	20°R19	19°17	15° 3	4°40	S 23
S 24	6 11 30	2°21'51	8♌13	21°44	15°38	23°R 9	8°29	7°37	15°46	22°16	5°36	20°18	19°14	15°10	4°46	S 24
M 25	6 15 26	3°22'57	21°49	20°53	16°37	23° 8	8°42	7°35	15°44	22°18	5°37	20°15	19°11	15°16	4°52	M 25
T 26	6 19 23	4°24'03	5♌16	20°13	17°36	23° 7	8°55	7°34	15°42	22°20	5°38	20° 8	19° 8	15°23	4°58	T 26
W 27	6 23 19	5°25'10	18°33	19°43	18°36	23° 5	9° 8	7°32	15°40	22°22	5°39	19°58	19° 4	15°30	5° 4	W 27
T 28	6 27 16	6°26'17	1♋38	19°24	19°36	23° 2	9°21	7°31	15°39	22°23	5°40	19°46	19° 1	15°36	5°10	T 28
F 29	6 31 12	7°27'25	14°30	19°D16	20°37	22°58	9°34	7°30	15°37	22°25	5°41	19°32	18°58	15°43	5°16	F 29
S 30	6 35 9	8°28'33	27° 8	19°18	21°38	22°54	9°47	7°29	15°35	22°27	5°42	19°19	18°55	15°50	5°22	S 30
S 31	6 39 6	9♋29'42	9♌31	19♌28	22♌40	22♌48	10♌0	7♋28	15♌33	22♌29	5♌43	19♌6	18♌52	15♌56	5♌27	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	21s46	18s19	4n56	25s46	2s22	8s45	1n26	17n 3	2n24	19s48	0s35	11n53	2s38	16n36	0n40	16s29
S 2	21 55	16 59	5 7	25 41	2 18	8 53	1 33	17 1	2 26	19 46	0 35	11 52	2 38	16 36	0 40	16 29
S 3	22 4	14 51	5 3	25 35	2 12	9 2	1 40	16 58	2 29	19 43	0 35	11 51	2 38	16 36	0 40	16 30
M 4	22 12	12 7	4 45	25 27	2 6	9 11	1 46	16 56	2 31	19 40	0 35	11 50	2 38	16 37	0 40	16 31
T 5	22 20	8 54	4 15	25 18	1 58	9 21	1 53	16 54	2 33	19 38	0 35	11 49	2 37	16 37	0 41	16 31
W 6	22 27	5 22	3 33	25 8	1 49	9 31	1 59	16 52	2 35	19 35	0 35	11 48	2 37	16 37	0 41	16 32
T 7	22 34	1 39	2 43	24 57	1 39	9 42	2 4	16 50	2 38	19 32	0 35	11 47	2 37	16 37	0 41	16 32
F 8	22 41	2n10	1 46	24 45	1 28	9 53	2 10	16 48	2 40	19 29	0 35	11 46	2 37	16 38	0 41	16 33
S 9	22 47	5 55	0 44	24 32	1 15	10 4	2 15	16 47	2 42	19 27	0 35	11 45	2 36	16 38	0 41	16 33
S 10	22 52	9 30	0s21	24 17	1 1	10 16	2 20	16 46	2 45	19 24	0 35	11 45	2 36	16 38	0 41	16 34
M 11	22 57	12 46	1 27	24 2	0 45	10 29	2 25	16 45	2 47	19 21	0 35	11 44	2 36	16 39	0 41	16 34
T 12	23 2	15 30	2 30	23 46	0 28	10 42	2 29	16 44	2 49	19 18	0 35	11 43	2 36	16 39	0 41	16 35
W 13	23 6	17 30	3 26	23 29	0 10	10 55	2 33	16 44	2 52	19 15	0 35	11 42	2 36	16 39	0 41	16 35
T 14	23 10	18 36	4 13	23 12	0n 9	11 8	2 37	16 44	2 54	19 12	0 35	11 42	2 35	16 40	0 41	16 36
F 15	23 13	18 38	4 46	22 53	0 29	11 22	2 41	16 44	2 57	19 9	0 35	11 41	2 35	16 40	0 41	16 36
S 16	23 16	17 32	5 2	22 34	0 49	11 36	2 44	16 44	2 59	19 6	0 35	11 41	2 35	16 41	0 41	16 37
S 17	23 19	15 20	5 0	22 15	1 9	11 50	2 48	16 44	3 2	19 3	0 35	11 40	2 35	16 41	0 41	16 37
M 18	23 21	12 11	4 39	21 55	1 29	12 4	2 51	16 45	3 4	19 0	0 35	11 40	2 34	16 41	0 41	16 38
T 19	23 22	8 20	4 0	21 36	1 47	12 18	2 53	16 46	3 7	18 57	0 35	11 39	2 34	16 42	0 41	16 38
W 20	23 23	4 0	3 7	21 17	2 4	12 33	2 56	16 47	3 9	18 54	0 35	11 39	2 34	16 42	0 41	16 38
T 21	23 24	0s31	2 3	21 0	2 19	12 48	2 59	16 49	3 12	18 50	0 35	11 38	2 33	16 43	0 41	16 39
F 22	23 24	4 58	0 52	20 44	2 32	13 3	3 1	16 51	3 14	18 47	0 35	11 38	2 33	16 43	0 41	16 39
S 23	23 23	9 8	0n22	20 30	2 42	13 18	3 3	16 53	3 17	18 44	0 35	11 37	2 33	16 44	0 41	16 40
S 24	23 23	12 45	1 33	20 19	2 50	13 33	3 5	16 55	3 19	18 41	0 35	11 37	2 33	16 44	0 41	16 40
M 25	23 21	15 38	2 39	20 10	2 56	13 48	3 6	16 58	3 22	18 37	0 35	11 37	2 32	16 45	0 41	16 41
T 26	23 20	17 38	3 34	20 3	2 59	14 3	3 8	17 0	3 24	18 34	0 35	11 37	2 32	16 46	0 41	16 41
W 27	23 17	18 38	4 17	20 0	3 1	14 18	3 9	17 3	3 27	18 30	0 35	11 36	2 32	16 46	0 41	16 41
T 28	23 15	18 37	4 46	19 59	3 0	14 33	3 10	17 7	3 30	18 27	0 35	11 36	2 32	16 47	0 41	16 42
F 29	23 11	17 39	4 59	20 0	2 58	14 48	3 11	17 10	3 32	18 24	0 35	11 36	2 31	16 47	0 41	16 42
S 30	23 8	15 50	4 58	20 4	2 55	15 3	3 12	17 14	3 35	18 20	0 35	11 36	2 31	16 48	0 41	16 43
S 31	23s 4	13s18	4n42	20s 9	2n50	15s18	3n12	17n19	3n37	18s17	0s35	11n36	2s31	16n48	0n41	16s43

Julian Day Number = 2558895.5, Delta T = 286.55 sec
Ecliptic obliquity = 23°23'55, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 28°50'55, Lahiri = 27°57'55