



Astrodienst Ephemeris Tables for the year 2000

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 2000
geocentric

JANUARY 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 51	9♂51'33	7♂18	1♂7	0♂58	27♂35	25♂14	10°R24	14♂47	3♂11	11♂26	3°R59	5♂4	23♂25	11♂34	S 1
S 2	6 43 48	10°52'43	19°19	2°40	2°10	28°21	25°16	10♂23	14°50	3°13	11°28	3♂56	5°1	23°31	11°40	S 2
M 3	6 47 45	11°53'53	1♂13	4°14	3°23	29°8	25°19	10°22	14°53	3°15	11°30	3°52	4°58	23°38	11°47	M 3
T 4	6 51 41	12°55'04	13°4	5°48	4°36	29°54	25°22	10°21	14°56	3°17	11°33	3°48	4°54	23°45	11°54	T 4
W 5	6 55 38	13°56'15	24°53	7°22	5°48	0♂41	25°25	10°20	14°59	3°19	11°35	3°44	4°51	23°51	12°1	W 5
T 6	6 59 34	14°57'25	6♂43	8°57	7°1	1°27	25°28	10°19	15°2	3°21	11°37	3°42	4°48	23°58	12°8	T 6
F 7	7 3 31	15°58'36	18°36	10°32	8°14	2°14	25°32	10°19	15°6	3°23	11°39	3°40	4°45	24°5	12°14	F 7
S 8	7 7 27	16°59'47	0♂34	12°7	9°27	3°0	25°35	10°18	15°9	3°26	11°41	3°D39	4°42	24°11	12°21	S 8
S 9	7 11 24	18°0'57	12°38	13°43	10°40	3°47	25°39	10°18	15°12	3°28	11°43	3°39	4°39	24°18	12°27	S 9
M10	7 15 20	19°2'07	24°52	15°20	11°53	4°33	25°43	10°18	15°15	3°30	11°45	3°40	4°35	24°25	12°34	M10
T 11	7 19 17	20°3'16	7♂16	16°56	13°6	5°20	25°47	10°17	15°18	3°32	11°47	3°42	4°32	24°31	12°40	T 11
W12	7 23 14	21°4'25	19°54	18°34	14°19	6°6	25°52	10°D17	15°22	3°35	11°48	3°43	4°29	24°38	12°47	W12
T 13	7 27 10	22°5'34	2♂49	20°11	15°32	6°53	25°56	10°17	15°25	3°37	11°50	3°44	4°26	24°45	12°53	T 13
F 14	7 31 7	23°6'42	16°3	21°49	16°45	7°39	26°1	10°17	15°28	3°39	11°52	3°44	4°23	24°51	12°59	F 14
S 15	7 35 3	24°7'49	29°38	23°28	17°58	8°26	26°6	10°18	15°31	3°41	11°54	3°R44	4°20	24°58	13°6	S 15
S 16	7 39 0	25°8'55	13♂36	25°7	19°12	9°12	26°11	10°18	15°35	3°44	11°56	3°44	4°16	25°5	13°12	S 16
M17	7 42 56	26°10'01	27°56	26°46	20°25	9°59	26°17	10°19	15°38	3°46	11°58	3°43	4°13	25°11	13°18	M17
T 18	7 46 53	27°11'06	12♂35	28°26	21°38	10°45	26°22	10°19	15°41	3°48	12°0	3°42	4°10	25°18	13°24	T 18
W19	7 50 49	28°12'11	27°29	0♂7	22°52	11°31	26°28	10°20	15°45	3°50	12°1	3°42	4°7	25°25	13°30	W19
T 20	7 54 46	29°13'14	12♂31	1°48	24°5	12°18	26°34	10°21	15°48	3°53	12°3	3°41	4°4	25°31	13°36	T 20
F 21	7 58 43	0♂14'17	27°32	3°30	25°19	13°4	26°40	10°22	15°52	3°55	12°5	3°D41	4°0	25°38	13°42	F 21
S 22	8 2 39	1°15'19	12♂23	5°12	26°32	13°50	26°46	10°23	15°55	3°57	12°7	3°41	3°57	25°45	13°48	S 22
S 23	8 6 36	2°16'21	26°56	6°54	27°46	14°37	26°52	10°24	15°58	3°59	12°8	3°41	3°54	25°51	13°54	S 23
M24	8 10 32	3°17'22	11♂7	8°37	28°59	15°23	26°59	10°25	16°2	4°2	12°10	3°R41	3°51	25°58	13°59	M24
T 25	8 14 29	4°18'22	24°52	10°21	0♂13	16°9	27°5	10°27	16°5	4°4	12°12	3°41	3°48	26°5	14°5	T 25
W26	8 18 25	5°19'22	8♂11	12°5	1°26	16°56	27°12	10°28	16°9	4°6	12°13	3°41	3°45	26°11	14°11	W26
T 27	8 22 22	6°20'21	21°5	13°49	2°40	17°42	27°19	10°30	16°12	4°9	12°15	3°41	3°41	26°18	14°16	T 27
F 28	8 26 18	7°21'20	3♂37	15°34	3°54	18°28	27°27	10°31	16°16	4°11	12°16	3°D41	3°38	26°25	14°22	F 28
S 29	8 30 15	8°22'18	15°51	17°18	5°7	19°14	27°34	10°33	16°19	4°13	12°18	3°41	3°35	26°31	14°27	S 29
S 30	8 34 12	9°23'15	27°52	19°3	6°21	20°0	27°41	10°35	16°22	4°15	12°19	3°41	3°32	26°38	14°32	S 30
M31	8 38 8	10°24'12	9♂45	20°48	7♂35	20°46	27°49	10♂37	16°26	4°18	12♂21	3♂42	3♂29	26°45	14♂38	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	23s 4	9s 0	5n14	24s23	0s57	18s19	2n 5	13s19	1s 4	8n35	1s16	12n37	2s27	17s 2	0s40	19s13
S 2	23 0	12 41	5 3	24 27	1 3	18 35	2 3	13 3	1 4	8 36	1 16	12 37	2 27	17 1	0 39	19 13
M 3	22 54	15 50	4 40	24 30	1 8	18 51	2 1	12 46	1 3	8 38	1 15	12 37	2 26	17 0	0 39	19 12
T 4	22 49	18 20	4 4	24 32	1 14	19 6	2 0	12 29	1 2	8 39	1 15	12 37	2 26	16 59	0 39	19 10
W 5	22 42	20 2	3 18	24 33	1 19	19 21	1 58	12 11	1 1	8 40	1 15	12 37	2 26	16 58	0 39	19 11
T 6	22 36	20 53	2 23	24 32	1 24	19 35	1 56	11 54	1 1	8 42	1 14	12 37	2 25	16 57	0 39	19 11
F 7	22 29	20 47	1 22	24 30	1 29	19 48	1 54	11 37	1 0	8 43	1 14	12 37	2 25	16 56	0 39	19 10
S 8	22 21	19 45	0 17	24 26	1 33	20 2	1 52	11 19	0 59	8 45	1 14	12 37	2 25	16 55	0 39	19 10
S 9	22 14	17 48	0s50	24 21	1 38	20 14	1 49	11 2	0 58	8 47	1 13	12 37	2 25	16 54	0 39	19 9
M10	22 5 15	2 1	55 24 14	1 42	20 27	1 47	10 44	0 58	8 48	1 13	12 37	2 24	16 53	0 39	19 9	0 14
T 11	21 56	11 34	2 56	24 6	1 45	20 38	1 45	10 26	0 57	8 50	1 13	12 38	2 24	16 52	0 39	19 8
W12	21 47	7 31	3 49	23 57	1 49	20 49	1 42	10 8	0 56	8 52	1 13	12 38	2 24	16 51	0 39	19 8
T 13	21 38	3 3	4 33	23 46	1 52	21 0	1 40	9 50	0 55	8 54	1 12	12 38	2 23	16 50	0 39	19 7
F 14	21 28	1n39	5 3	23 34	1 55	21 10	1 38	9 32	0 55	8 56	1 12	12 38	2 23	16 49	0 39	19 7
S 15	21 17	6 24	5 17	23 20	1 58	21 19	1 35	9 14	0 54	8 58	1 12	12 39	2 23	16 48	0 39	19 6
S 16	21 6	10 56	5 13	23 4	2 0	21 28	1 33	8 56	0 53	9 0	1 11	12 39	2 22	16 47	0 39	19 6
M17	20 55	14 59	4 50	22 47	2 2	21 36	1 30	8 38	0 52	9 2	1 11	12 40	2 22	16 46	0 39	19 5
T 18	20 43	18 13	4 7	22 29	2 3	21 43	1 27	8 20	0 51	9 5	1 11	12 40	2 22	16 45	0 39	19 5
W19	20 31	20 17	3 8	22 9	2 4	21 50	1 25	8 1	0 51	9 7	1 10	12 41	2 22	16 44	0 39	19 4
T 20	20 19	20 56	1 55	21 47	2 5	21 56	1 22	7 43	0 50	9 9	1 10	12 41	2 21	16 43	0 39	19 3
F 21	20 6	20 6	0 34	21 24	2 6	22 2	1 19	7 24	0 49	9 12	1 10	12 42	2 21	16 42	0 39	19 3
S 22	19 53	17 51	0n48	21 0	2 5	22 7	1 16	7 6	0 48	9 14	1 10	12 42	2 21	16 41	0 39	19 2
S 23	19 39	14 30	2 6	20 34	2 5	22 11	1 14	6 47	0 48	9 17	1 9	12 43	2 20	16 40	0 39	19 2
M24	19 25	10 23	3 14	20 6	2 4	22 15	1 11	6 29	0 47	9 19	1 9	12 44	2 20	16 39	0 39	19 1
T 25	19 11	5 50	4 8	19 37	2 3	22 18	1 8	6 10	0 46	9 22	1 9	12 44	2 20	16 38	0 39	19 1
W26	18 56	1 9	4 47	19 6	2 1	22 21	1 5	5 51	0 45	9 25	1 9	12 45	2 19	16 37	0 39	19 0
T 27	18 41	3s26	5 10	18 34	1 58	22 23	1 2	5 33	0 44	9 27	1 8	12 46	2 19	16 36	0 39	19 0
F 28	18 26	7 44	5 18	18 0	1 55	22 24	0 59	5 14	0 44	9 30	1 8	12 47	2 19	16 35	0 39	18 59
S 29	18 10	11 37	5 11	17 25	1 51	22 24	0 56	4 55	0 43	9 33	1 8	12 48	2 19	16 34	0 39	18 59
S 30	17 54	14 58	4 50	16 48	1 47	22 24	0 53	4 36	0 42	9 36	1 7	12 48	2 18	16 33	0 39	18 58
M31	17s38	17s40	4n17	16s10	1s42	22s23	0n50	4s17	0s41	9n39	1s 7	12n49	2s18	16s32	0s39	18s58

Julian Day Number = 2451544.5, Delta T = 63.83 sec
Ecliptic obliquity = 23°26'16, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°44'25, Lahiri = 23°51'25

ASTRODIENST EPHEMERIS for the year 2000
geocentric

FEBRUARY 2000

00:00 UT

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

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat		
T 1	17s21	19s37	3n34	15s31	1s37	22s22	0n47	3s58	0s40	9n42	1 s 7	12n50	2s18	16s31	0s39	18s57	0n14	11s26	10n56	19n19	19n23	20s20	18s17	4n18			
W 2	17 4	20 43	2 41	14 51	1 30	22 19	0 44	3 39	0 40	9 45	1 7	12 51	2 17	16 30	0 39	18 57	0 14	11 26	10 56	19 19	19 24	20 21	18 17	4 19			
T 3	16 47	20 54	1 41	14 9	1 23	22 17	0 41	3 21	0 39	9 48	1 6	12 52	2 17	16 29	0 39	18 56	0 14	11 25	10 57	19 19	19 25	20 22	18 17	4 19			
F 4	16 29	20 7	0 36	13 27	1 16	22 13	0 38	3 2	0 38	9 51	1 6	12 53	2 17	16 28	0 39	18 56	0 14	11 25	10 57	19 19	19 25	20 22	18 17	4 20			
S 5	16 12	18 25	0s31	12 43	1 7	22 9	0 35	2 43	0 37	9 55	1 6	12 54	2 17	16 27	0 39	18 55	0 14	11 25	10 57	19 19	19 26	20 23	18 17	4 20			
S 6	15 54	15 49	1 38	11 59	0 58	22 4	0 32	2 24	0 36	9 58	1 6	12 55	2 16	16 26	0 39	18 55	0 14	11 25	10 57	19 19	19 27	20 24	18 17	4 21			
M 7	15 35	12 28	2 41	11 15	0 48	21 58	0 29	2 5	0 36	10 1	1 5	12 57	2 16	16 25	0 39	18 54	0 14	11 25	10 58	19 19	19 28	20 25	18 17	4 21			
T 8	15 17	8 30	3 37	10 30	0 38	21 52	0 26	1 46	0 35	10 5	1 5	12 58	2 16	16 24	0 39	18 53	0 14	11 25	10 58	19 20	19 28	20 26	18 17	4 22			
W 9	14 58	4 5	4 23	9 45	0 26	21 45	0 23	1 27	0 34	10 8	1 5	12 59	2 15	16 23	0 39	18 53	0 14	11 25	10 58	19 20	19 29	20 27	18 17	4 23			
T 10	14 38	0n36	4 56	9 0	0 14	21 38	0 20	1 8	0 33	10 11	1 5	13 0	2 15	16 22	0 39	18 52	0 14	11 25	10 58	19 21	19 30	20 27	18 17	4 23			
F 11	14 19	5 19	5 13	8 16	0 1	21 30	0 17	0 49	0 33	10 15	1 4	13 1	2 15	16 21	0 39	18 52	0 14	11 25	10 59	19 21	19 31	20 28	18 17	4 24			
S 12	13 59	9 52	5 14	7 33	0n12	21 21	0 14	0 30	0 32	10 18	1 4	13 3	2 15	16 19	0 39	18 51	0 14	11 25	10 59	19 22	19 31	20 29	18 17	4 24			
S 13	13 40	13 58	4 56	6 51	0 26	21 12	0 11	0 11	0 31	10 22	1 4	13 4	2 14	16 18	0 39	18 51	0 14	11 24	10 59	19 22	19 32	20 30	18 17	4 25			
M14	13 19	17 21	4 21	6 11	0 41	21 2	0 8	0n 8	0 30	10 26	1 4	13 5	2 14	16 17	0 39	18 50	0 14	11 24	10 59	19 22	19 33	20 31	18 16	4 25			
T 15	12 59	19 45	3 28	5 32	0 56	20 51	0 5	0 27	0 29	10 29	1 3	13 7	2 14	16 16	0 39	18 50	0 14	11 24	11 0	19 21	19 34	20 32	18 16	4 26			
W16	12 39	20 53	2 23	4 56	1 12	20 40	0 2	0 46	0 29	10 33	1 3	13 8	2 13	16 15	0 39	18 49	0 14	11 24	11 0	19 21	19 34	20 32	18 16	4 27			
T 17	12 18	20 38	1 7	4 23	1 27	20 28	0s 1	1 4	0 28	10 37	1 3	13 9	2 13	16 14	0 39	18 49	0 14	11 24	11 0	19 21	19 35	20 33	18 16	4 27			
F 18	11 57	18 59	0n13	3 53	1 43	20 16	0 4	1 23	0 27	10 40	1 3	13 11	2 13	16 13	0 39	18 48	0 14	11 24	11 1	19 21	19 36	20 34	18 16	4 28			
S 19	11 36	16 6	1 31	3 27	1 59	20 3	0 7	1 42	0 26	10 44	1 3	13 12	2 13	16 12	0 39	18 48	0 14	11 24	11 1	19 21	19 36	20 35	18 15	4 28			
S 20	11 15	12 16	2 43	3 5	2 14	19 49	0 9	2 1	0 26	10 48	1 2	13 14	2 12	16 11	0 39	18 47	0 14	11 23	11 1	19 21	19 37	20 36	18 15	4 29			
M21	10 53	7 49	3 43	2 47	2 29	19 35	0 12	2 19	0 25	10 52	1 2	13 15	2 12	16 10	0 39	18 47	0 14	11 23	11 1	19 22	19 38	20 36	18 15	4 30			
T 22	10 31	3 4	4 29	2 34	2 43	19 20	0 15	2 38	0 24	10 55	1 2	13 17	2 12	16 9	0 39	18 46	0 14	11 23	11 2	19 23	19 39	20 37	18 15	4 30			
W23	10 10	1s41	4 59	2 26	2 56	19 5	0 18	2 57	0 23	10 59	1 2	13 18	2 12	16 8	0 39	18 46	0 14	11 23	11 2	19 24	19 39	20 38	18 14	4 31			
T 24	9 48	6 14	5 12	2 22	3 8	18 49	0 21	3 15	0 22	11 3	1 2	13 20	2 11	16 7	0 39	18 45	0 14	11 23	11 2	19 25	19 40	20 39	18 14	4 32			
F 25	9 26	10 23	5 10	2 24	3 19	18 32	0 23	3 34	0 22	11 7	1 1	13 21	2 11	16 6	0 39	18 45	0 14	11 22	11 2	19 26	19 41	20 39	18 14	4 32			
S 26	9 3	14 0	4 53	2 30	3 27	18 15	0 26	3 52	0 21	11 11	1 1	13 23	2 11	16 5	0 39	18 44	0 14	11 22	11 3	19 27	19 41	20 40	18 13	4 33			
S 27	8 41	16 58	4 23	2 41	3 34	17 58	0 29	4 11	0 20	11 15	1 1	13 25	2 11	16 4	0 39	18 44	0 14	11 22	11 3	19 27	19 42	20 41	18 13	4 33			
M28	8 18	19 11	3 43	2 56	3 39	17 40	0 31	4 29	0 19	11 19	1 1	13 26	2 10	16 3	0 39	18 43	0 14	11 22	11 3	19 27	19 43	20 42	18 13	4 34			
T 29	7s56	20s33	2n53	3s15	3n42	17s21	0s34	4n47	0s19	11n23	1s 0	13n28	2s10	16s 2	0s40	18s43	0n14	11s22	11n 4	19n27	19n44	20s42	18s12	4n35			

ASTRODIENST EPHEMERIS for the year 2000
geocentric

MARCH 2000

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	10 36 25	10 ^h 42'28	11 ^h 32'27	12°R 0	14 ^h 34	13 ^h 36	2 ^h 40	12 ^h 24	18 ^h 9	5 ^h 22	12 ^h 51	3 ^h 13	1 ^h 53	0 ^h 35	16 ^h 38	W 1
T 2	10 40 21	11°42'41	23°22	10 ^h 57	15°49	14°21	2°52	12°29	18°12	5°24	12°51	3°14	1°50	0°12	16°41	T 2
F 3	10 44 18	12°42'53	5 ^h 26	9°54	17° 3	15° 6	3° 3	12°34	18°16	5°26	12°51	3°R15	1°47	0°18	16°43	F 3
S 4	10 48 14	13°43'03	17°43	8°52	18°17	15°51	3°15	12°40	18°19	5°28	12°52	3°14	1°44	0°25	16°46	S 4
S 5	10 52 11	14°43'11	0 ^h 16	7°53	19°31	16°36	3°27	12°45	18°22	5°30	12°52	3°10	1°41	0°32	16°48	S 5
M 6	10 56 8	15°43'18	13° 5	6°56	20°45	17°21	3°38	12°50	18°25	5°31	12°53	3° 5	1°38	0°38	16°50	M 6
T 7	11 0 4	16°43'22	26°11	6° 4	21°59	18° 6	3°50	12°55	18°28	5°33	12°53	2°58	1°34	0°45	16°52	T 7
W 8	11 4 1	17°43'25	9 ^h 33	5°18	23°13	18°51	4° 2	13° 1	18°32	5°35	12°53	2°51	1°31	0°52	16°54	W 8
T 9	11 7 57	18°43'26	23° 8	4°37	24°28	19°35	4°14	13° 6	18°35	5°37	12°53	2°43	1°28	0°58	16°56	T 9
F 10	11 11 54	19°43'24	6 ^h 54	4° 2	25°42	20°20	4°27	13°12	18°38	5°39	12°54	2°36	1°25	1° 5	16°58	F 10
S 11	11 15 50	20°43'21	20°48	3°34	26°56	21° 5	4°39	13°18	18°41	5°40	12°54	2°30	1°22	1°12	17° 0	S 11
S 12	11 19 47	21°43'15	4 ^h 49	3°12	28°10	21°49	4°51	13°23	18°44	5°42	12°54	2°27	1°18	1°18	17° 2	S 12
M13	11 23 43	22°43'07	18°54	2°58	29°24	22°34	5° 3	13°29	18°47	5°44	12°54	2°D25	1°15	1°25	17° 3	M13
T 14	11 27 40	23°42'57	3 ^h 2	2°49	0 ^h 38	23°19	5°16	13°35	18°50	5°46	12°54	2°26	1°12	1°32	17° 5	T 14
W15	11 31 36	24°42'45	17°11	2°D47	1°52	24° 3	5°28	13°41	18°53	5°47	12°R54	2°27	1° 9	1°38	17° 6	W15
T 16	11 35 33	25°42'30	1 ^h 21	2°51	3° 7	24°48	5°41	13°47	18°56	5°49	12°54	2°R27	1° 6	1°45	17° 7	T 16
F 17	11 39 30	26°42'14	15°28	3° 0	4°21	25°32	5°54	13°53	18°59	5°50	12°54	2°26	1° 3	1°52	17° 8	F 17
S 18	11 43 26	27°41'54	29°32	3°15	5°35	26°16	6° 6	13°59	19° 2	5°52	12°54	2°24	0°59	1°58	17° 9	S 18
S 19	11 47 23	28°41'33	13 ^h 27	3°36	6°49	27° 1	6°19	14° 5	19° 5	5°54	12°54	2°18	0°56	2° 5	17°10	S 19
M20	11 51 19	29°41'10	20°12	4° 1	8° 3	27°45	6°32	14°11	19° 8	5°55	12°54	2°10	0°53	2°12	17°11	M20
T 21	11 55 16	0 ^h 40'44	10 ^h 41	4°31	9°17	28°29	6°45	14°18	19°10	5°57	12°54	2° 1	0°50	2°18	17°12	T 21
W22	11 59 12	1°40'17	23°54	5° 5	10°31	29°13	6°58	14°24	19°13	5°58	12°53	1°50	0°47	2°25	17°13	W22
T 23	12 3 9	2°39'48	6 ^h 14	5°44	11°45	29°57	7°11	14°30	19°16	6° 0	12°53	1°40	0°43	2°31	17°13	T 23
F 24	12 7 5	3°39'16	19°22	6°26	12°59	0 ^h 41	7°24	14°37	19°19	6° 1	12°53	1°30	0°40	2°38	17°14	F 24
S 25	12 11 2	4°38'43	1 ^h 40	7°12	14°14	1°26	7°37	14°43	19°21	6° 2	12°53	1°23	0°37	2°45	17°14	S 25
S 26	12 14 59	5°38'09	13°44	8° 2	15°28	2° 9	7°50	14°50	19°24	6° 4	12°52	1°18	0°34	2°51	17°14	S 26
M27	12 18 55	6°37'32	25°38	8°55	16°42	2°53	8° 3	14°56	19°27	6° 5	12°52	1°16	0°31	2°58	17°14	M27
T 28	12 22 52	7°36'54	7 ^h 38	9°50	17°56	3°37	8°17	15° 3	19°29	6° 7	12°51	1°D15	0°28	3° 5	17°R14	T 28
W29	12 26 48	8°36'14	19°17	10°49	19°10	4°21	8°30	15°10	19°32	6° 8	12°51	1°15	0°24	3°11	17°14	W29
T 30	12 30 45	9°35'32	1 ^h 13	11°50	20°24	5° 5	8°44	15°16	19°35	6° 9	12°51	1°R16	0°21	3°18	17°14	T 30
F 31	12 34 41	10 ^h 34'49	13 ^h 19	12 ^h 54	21 ^h 38	5 ^h 49	8 ^h 57	15 ^h 23	19 ^h 37	6 ^h 10	12 ^h 50	1 ^h 15	0 ^h 18	3 ^h 25	17 ^h 14	F 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	7s33	21s 1	1n56	3s38	3n43	17s 2	0s36	5n 5	0s18	11n27	1s 0	13n30	2s10	16s 1
T 2	7 10	20 32	0 54	4 3	3 41	16 43	0 39	5 24	0 17	11 31	1 0	13 31	2 10	16 0
F 3	6 47	19 6	0s12	4 30	3 37	16 23	0 41	5 42	0 16	11 35	1 0	13 33	2 9	15 59
S 4	6 24	16 45	1 18	4 58	3 31	16 2	0 43	6 0	0 16	11 40	1 0	13 35	2 9	15 58
S 5	6 1	13 35	2 21	5 28	3 24	15 41	0 46	6 18	0 15	11 44	1 0	13 37	2 9	15 57
M 6	5 38	9 43	3 19	5 57	3 15	15 20	0 48	6 36	0 14	11 48	0 59	13 39	2 9	15 56
T 7	5 14	5 18	4 7	6 26	3 4	14 58	0 50	6 53	0 13	11 52	0 59	13 40	2 9	15 55
W 8	4 51	0 34	4 43	6 54	2 52	14 36	0 52	7 11	0 13	11 56	0 59	13 42	2 8	15 54
T 9	4 28	4n17	5 4	7 21	2 39	14 14	0 55	7 29	0 12	12 1	0 59	13 44	2 8	15 53
F 10	4 4	8 58	5 7	7 46	2 26	13 51	0 57	7 46	0 11	12 5	0 59	13 46	2 8	15 52
S 11	3 41	13 15	4 53	8 9	2 12	13 27	0 59	8 4	0 10	12 9	0 58	13 48	2 8	15 51
S 12	3 17	16 50	4 21	8 30	1 57	13 3	1 1	8 21	0 10	12 13	0 58	13 50	2 7	15 50
M13	2 53	19 27	3 33	8 49	1 43	12 39	1 3	8 38	0 9	12 18	0 58	13 52	2 7	15 49
T 14	2 30	20 53	2 32	9 6	1 28	12 15	1 4	8 56	0 8	12 22	0 58	13 54	2 7	15 48
W15	2 6	20 59	1 21	9 20	1 14	11 50	1 6	9 13	0 8	12 26	0 58	13 56	2 7	15 48
T 16	1 42	19 46	0 6	9 32	0 59	11 25	1 8	9 30	0 7	12 31	0 58	13 58	2 7	15 47
F 17	1 19	17 18	1n 9	9 42	0 45	11 0	1 10	9 47	0 6	12 35	0 57	13 59	2 6	15 46
S 18	0 55	13 49	2 20	9 49	0 31	10 34	1 11	10 3	0 5	12 39	0 57	14 1	2 6	15 45
S 19	0 31	9 36	3 21	9 54	0 18	10 8	1 13	10 20	0 5	12 44	0 57	14 3	2 6	15 44
M20	0 7	4 56	4 10	9 57	0 5	9 42	1 14	10 37	0 4	12 48	0 57	14 5	2 6	15 43
T 21	0n16	0 7	4 44	9 58	0s 7	9 15	1 16	10 53	0 3	12 52	0 57	14 8	2 6	15 42
W22	0 40	4s36	5 1	9 57	0 20	8 49	1 17	11 9	0 3	12 57	0 57	14 10	2 5	15 41
T 23	1 4	9 0	5 3	9 53	0 31	8 22	1 18	11 26	0 2	13 1	0 57	14 12	2 5	15 41
F 24	1 27	12 55	4 50	9 48	0 42	7 54	1 20	11 42	0 1	13 5	0 56	14 14	2 5	15 40
S 25	1 51	16 12	4 23	9 41	0 53	7 27	1 21	11 58	0 0	13 10	0 56	14 16	2 5	15 39
S 26	2 14	18 43	3 45	9 32	1 3	6 59	1 22	12 14	0n 0	13 14	0 56	14 18	2 5	15 38
M27	2 38	20 24	2 58	9 21	1 12	6 31	1 23	12 29	0 1	13 19	0 56	14 20	2 5	15 37
T 28	3 1	21 10	2 3	9 8	1 21	6 3	1 24	12 45	0 2	13 23	0 56	14 22	2 4	15 37
W29	3 25	21 0	1 3	8 54	1 30	5 35	1 25	13 0	0 2	13 27	0 56	14 24	2 4	15 36
T 30	3 48	19 53	0 0	8 38	1 38	5 7	1 26	13 16	0 3	13 32	0 56	14 26	2 4	15 35
F 31	4n11	17s50	1s 4	8s20	1s45	4s38	1s26	13n31	0n 4	13n36	0s55	14n28	2s 4	15s34

Julian Day Number = 2451604.5, Delta T = 63.88 sec
Ecliptic obliquity = 23°26'17", Nutation = - 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°44'33", Lahiri = 23°51'34"

ASTRODIENST EPHEMERIS for the year 2000

geocentric

APRIL 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 38	11°34'03	25°42	14°1	22°52	6°32	9°11	15°30	19°40	6°12	12°R50	1°R12	0°15	3°31	17°R13	S 1
S 2	12 42 34	12°33'16	8°24	15°10	24° 6	7°16	9°24	15°37	19°42	6°13	12°49	1°12	0°12	3°38	17°13	S 2
M 3	12 46 31	13°32'27	21°27	16°21	25°20	8° 0	9°38	15°44	19°44	6°14	12°48	0°59	0° 9	3°45	17°12	M 3
T 4	12 50 28	14°31'35	4°52	17°34	26°34	8°43	9°51	15°51	19°47	6°15	12°48	0°49	0° 5	3°51	17°12	T 4
W 5	12 54 24	15°30'42	18°38	18°49	27°48	9°27	10° 5	15°58	19°49	6°16	12°47	0°38	0° 2	3°58	17°11	W 5
T 6	12 58 21	16°29'47	2°40	20° 6	29° 3	10°10	10°19	16° 5	19°51	6°17	12°46	0°26	29°59	4° 5	17°10	T 6
F 7	13 2 17	17°28'50	16°53	21°26	0°17	10°54	10°32	16°12	19°54	6°18	12°46	0°15	29°56	4°11	17° 9	F 7
S 8	13 6 14	18°27'50	1°13	22°47	1°31	11°37	10°46	16°19	19°56	6°19	12°45	0° 6	29°53	4°18	17° 8	S 8
S 9	13 10 10	19°26'49	15°33	24°10	2°45	12°21	11° 0	16°26	19°58	6°20	12°44	0° 0	29°49	4°25	17° 7	S 9
M10	13 14 7	20°25'45	29°51	25°34	3°59	13° 4	11°14	16°33	20° 0	6°21	12°43	29°57	29°46	4°31	17° 6	M10
T 11	13 18 3	21°24'39	14°2	27° 1	5°13	13°47	11°28	16°41	20° 2	6°22	12°43	29°56	29°43	4°38	17° 4	T 11
W12	13 22 0	22°23'30	28° 6	28°29	6°27	14°30	11°42	16°48	20° 4	6°23	12°42	29°56	29°40	4°45	17° 3	W12
T 13	13 25 57	23°22'19	12°2	29°59	7°41	15°13	11°56	16°55	20° 6	6°24	12°41	29°55	29°37	4°51	17° 2	T 13
F 14	13 29 53	24°21'06	25°49	1°30	8°55	15°56	12°10	17° 3	20° 8	6°25	12°40	29°54	29°34	4°58	17° 0	F 14
S 15	13 33 50	25°19'51	9°29	3° 4	10° 9	16°40	12°24	17°10	20°10	6°25	12°39	29°49	29°30	5° 5	16°58	S 15
S 16	13 37 46	26°18'33	22°59	4°39	11°23	17°23	12°38	17°17	20°12	6°26	12°38	29°42	29°27	5°11	16°56	S 16
M17	13 41 43	27°17'13	6°19	6°15	12°37	18° 5	12°52	17°25	20°14	6°27	12°37	29°32	29°24	5°18	16°55	M17
T 18	13 45 39	28°15'52	19°27	7°53	13°51	18°48	13° 6	17°32	20°16	6°27	12°36	29°20	29°21	5°25	16°53	T 18
W19	13 49 36	29°14'28	2°12	9°33	15° 4	19°31	13°20	17°40	20°17	6°28	12°35	29° 7	29°18	5°31	16°51	W19
T 20	13 53 32	0°13'02	15° 2	11°14	16°18	20°14	13°34	17°47	20°19	6°29	12°34	28°54	29°11	5°38	16°48	T 20
F 21	13 57 29	1°11'34	27°28	12°58	17°32	20°57	13°48	17°55	20°21	6°29	12°33	28°42	29°11	5°45	16°46	F 21
S 22	14 1 25	2°10'05	9°40	14°42	18°46	21°39	14° 2	18° 2	20°22	6°30	12°32	28°32	29° 8	5°51	16°44	S 22
S 23	14 5 22	3° 8'34	21°41	16°29	20° 0	22°22	14°16	18°10	20°24	6°30	12°31	28°25	29° 5	5°58	16°42	S 23
M24	14 9 19	4° 7'02	3°34	18°17	21°14	23° 5	14°31	18°17	20°26	6°31	12°29	28°21	29° 2	6° 5	16°39	M24
T 25	14 13 15	5° 5'27	15°22	20° 7	22°28	23°47	14°45	18°25	20°27	6°31	12°28	28°19	28°59	6°11	16°37	T 25
W26	14 17 12	6° 3'51	27°11	21°58	23°42	24°30	14°59	18°32	20°28	6°32	12°27	28°D18	28°55	6°18	16°34	W26
T 27	14 21 8	7° 2'14	9°6	23°51	24°56	25°12	15°13	18°40	20°30	6°32	12°26	28°R18	28°52	6°25	16°31	T 27
F 28	14 25 5	8° 0'35	21°12	25°46	26°10	25°55	15°27	18°48	20°31	6°33	12°25	28°18	28°49	6°31	16°29	F 28
S 29	14 29 1	8°58'54	3°36	27°43	27°24	26°37	15°42	18°55	20°32	6°33	12°23	28°16	28°46	6°38	16°26	S 29
S 30	14 32 58	9°57'12	16°20	29°41	28°37	27°19	15°56	19° 3	20°34	6°33	12°22	28°11	28°43	6°45	16°23	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
S 1	4n34	14s56	2s 6	8s 1	1s52	4s10	1s27	13n46	0n 4	13n41	0s55	14n30	2s 4	15s33	0s40	18s30	0n13	11s13	11n12	19n53	20n 6	21s 4	17s55	4n56	
S 2	4 58	11 16	3 4	7 40	1 58	3 41	1 28	14 1	0 5	13 45	0 55	14 32	2 4	15 33	0 40	18 30	0 13	11 12	11 13	19 54	20 6	21 5	17 54	4 57	
M 3	5 21	6 58	3 53	7 18	2 4	3 12	1 28	14 16	0 6	13 50	0 55	14 35	2 3	15 32	0 40	18 30	0 13	11 12	11 13	19 56	20 7	21 6	17 53	4 57	
T 4	5 44	2 13	4 31	6 54	2 10	2 43	1 29	14 31	0 6	13 54	0 55	14 37	2 3	15 31	0 40	18 30	0 13	11 12	11 13	19 58	20 8	21 6	17 53	4 58	
W 5	6 6	2n45	4 55	6 29	2 14	2 14	1 29	14 45	0 7	13 58	0 55	14 39	2 3	15 31	0 40	18 29	0 13	11 12	11 13	20 1	20 9	21 7	17 52	4 59	
T 6	6 29	7 41	5 1	6 3	2 19	1 45	1 30	14 59	0 8	14 3	0 55	14 41	2 3	15 30	0 40	18 29	0 13	11 11	11 14	20 3	20 9	21 7	17 51	4 59	
F 7	6 52	12 16	4 49	5 35	2 22	1 16	1 30	15 14	0 8	14 7	0 55	14 43	2 3	15 29	0 40	18 29	0 13	11 11	11 14	20 6	20 10	21 8	17 51	5 0	
S 8	7 14	16 11	4 19	5 6	2 26	0 47	1 30	15 28	0 9	14 12	0 54	14 45	2 3	15 29	0 40	18 29	0 13	11 11	11 14	20 8	20 11	21 9	17 50	5 0	
S 9	7 37	19 9	3 32	4 35	2 28	0 17	1 30	15 42	0 10	14 16	0 54	14 48	2 3	15 28	0 40	18 28	0 13	11 10	11 14	20 9	20 11	21 9	17 49	5 1	
M10	7 59	20 54	2 32	4 4	2 31	0n12	1 30	15 55	0 10	14 20	0 54	14 50	2 3	15 27	0 41	18 28	0 13	11 10	11 15	20 10	20 12	21 10	17 48	5 2	
T 11	8 21	21 19	1 23	3 31	2 32	0 41	1 30	16 9	0 11	14 25	0 54	14 52	2 2	15 27	0 41	18 28	0 13	11 10	11 15	20 10	20 13	21 10	17 48	5 2	
W12	8 43	20 23	0 10	2 57	2 33	1 10	1 30	16 22	0 12	14 29	0 54	14 54	2 2	15 26	0 41	18 28	0 13	11 9	11 15	20 10	20 13	21 11	17 47	5 3	
T 13	9 5	18 12	1n 4	2 22	2 34	1 40	1 30	16 36	0 12	14 33	0 54	14 56	2 2	15 25	0 41	18 28	0 13	11 9	11 15	20 10	20 14	21 11	17 46	5 4	
F 14	9 26	14 59	2 12	1 46	2 34	2 9	1 30	16 49	0 13	14 38	0 54	14 58	2 2	15 25	0 41	18 27	0 13	11 9	11 15	20 10	20 15	21 12	17 45	5 4	
S 15	9 48	10 59	3 13	1 8	2 34	2 38	1 30	17 2	0 14	14 42	0 54	15 1	2 2	15 24	0 41	18 27	0 13	11 8	11 16	20 11	20 15	21 13	17 44	5 5	
S 16	10 9	6 29	4 1	0 30	2 33	3 8	1 30	17 15	0 14	14 47	0 54	15 3	2 2	15 24	0 41	18 27	0 13	11 8	11 16	20 13	20 16	21 13	17 44	5 6	
M17	10 30	1 43	4 36	0n10	2 32	3 37	1 29	17 27	0 15	14 51	0 53	15 5	2 2	15 23	0 41	18 27	0 13	11 8	11 16	20 15	20 17	21 14	17 43	5 6	
T 18	10 51	3s 3	4 56	0 50	2 30	4 6	1 29	17 40	0 15	14 55	0 53	15 7	2 2	15 23	0 41	18 27	0 13	11 7	11 16	20 17	20 17	21 14	17 42	5 7	
W19	11 12	7 36	5 0	1 32	2 27	4 35	1 28	17 52	0 16	15 0	0 53	15 9	2 1	15 22	0 41	18 26	0 13	11 7	11 16	20 20	20 18	21 15	17 41	5 7	
T 20	11 33	11 44	4 49	2 14	2 24	5 4	1 28	18 4	0 17	15 4	0 53	15 11	2 1	15 22	0 41	18 26	0 13	11 7	11 17	20 23	20 18	21 15	17 41	5 8	
F 21	11 53	15 18	4 24	2 57	2 21	5 33	1 27	18 16	0 17	15 8	0 53	15 14	2 1	15 21	0 41	18 26	0 13	11 7	11 17	20 25	20 19	21 16	17 40	5 9	
S 22	12 14	18 9	3 47	3 41	2 17	6 1	1 26	18 28	0 18	15 12	0 53	15 16	2 1	15 21	0 41	18 26	0 13	11 6	11 17	20 27	20 20	21 16	17 39	5 9	
S 23	12 34	20 10	3 1	4 26	2 12	6 30	1 26	18 40	0 18	15 17	0 53	15 18	2 1	15 20	0 41	18 26	0 13	11 6	11 17	20 29	20 20	21 17	17 38	5 10	
M24	12 53	21 16	2 7	5 12	2 7	6 58	1 25	18 51	0 19	15 21	0 53	15 20	2 1	15 20	0 41	18 26	0 13	11 6	11 17	20 29	20 21	21 17	17 37	5 10	
T 25	13 13	21 26	1 8	5 59	2 2	7 27	1 24	19 2	0 20	15 25	0 53	15 22	2 1	15 19	0 41	18 26	0 13	11 5	11 17	20 30	20 22	21 18	17 37	5 11	
W26	13 33	20 37	0 6	6 46	1 56	7 55	1 23	19 13	0 20	15 29	0 53	15 24	2 1	15 19	0 41	18 26	0 13	11 5	11 17	20 30	20 22	21 18	17 36	5 11	
T 27	13 52	18 54	0s57	7 34	1 50	8 23	1 22	19 24	0 21	15 34	0 53	15 27	2 1	15 18	0 41	18 25	0 13	11 5	11 18	20 30	20 23	21 19	17 35	5 12	
F 28	14 11	16 18	1 58	8 22	1 43	8 50	1 21	19 35	0 21	15 38	0 52	15 29	2 1	15 18	0 41	18 25	0 13	11 5	11 18	20 30	20 24	21 19	17 34	5 12	
S 29	14 29	12 55	2 56	9 11	1 35	9 18	1 20	19 45	0 22	15 42	0 52	15 31	2 1	15 18	0 41	18 25	0 13	11 4	11 18	20 30	20 24	21 20	17 33	5 13	
S 30	14n48	8s51	3s46	10n 0	1s27	9n45	1s19	19n56	0n23	15n46	0s52	15n33	2s 1	15s17	0s41	18s25	0n13	11s 4	11n18	20n31	20n25	21s20	17s33	5n14	

ASTRODIENST EPHEMERIS for the year 2000

geocentric

MAY 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 36 54	10♌55'28	29♋30	1♌41	29♊51	28♌2	16♌10	19♌11	20♌35	6♌33	12°R21	28°R 4	28♌40	6♌51	16°R20	M 1
T 2	14 40 51	11°53'43	13♊5	3°42	1♌5	28°44	16°24	19°18	20°36	6°34	12♌19	27♌55	28°36	6°58	16♌17	T 2
W 3	14 44 48	12°51'56	27°6	5°45	2°19	29°26	16°39	19°26	20°37	6°34	12°18	27°44	28°33	7°4	16°14	W 3
T 4	14 48 44	13°50'07	11♌28	7°49	3°33	0♌8	16°53	19°34	20°38	6°34	12°17	27°33	28°30	7°11	16°10	T 4
F 5	14 52 41	14°48'17	26°5	9°55	4°47	0°50	17°7	19°41	20°39	6°34	12°15	27°23	28°27	7°18	16°7	F 5
S 6	14 56 37	15°46'25	10♌50	12°2	6°1	1°32	17°22	19°49	20°40	6°34	12°14	27°14	28°24	7°24	16°4	S 6
S 7	15 0 34	16°44'31	25°35	14°10	7°14	2°14	17°36	19°57	20°41	6°34	12°13	27°8	28°20	7°31	16°1	S 7
M 8	15 4 30	17°42'36	10♌12	16°19	8°28	2°56	17°50	20°5	20°42	6°34	12°11	27°5	28°17	7°38	15°57	M 8
T 9	15 8 27	18°40'39	24°38	18°29	9°42	3°38	18°4	20°12	20°43	6°34	12°10	27°D 4	28°14	7°44	15°54	T 9
W10	15 12 23	19°38'39	8♌49	20°40	10°56	4°20	18°19	20°20	20°44	6°34	12°8	27°4	28°11	7°51	15°50	W10
T 11	15 16 20	20°36'38	22°45	22°50	12°10	5°2	18°33	20°28	20°44	6°34	12°7	27°R 5	28°8	7°58	15°46	T 11
F 12	15 20 17	21°34'35	6♌25	25°1	13°24	5°44	18°47	20°35	20°45	6°34	12°5	27°4	28°5	8°4	15°43	F 12
S 13	15 24 13	22°32'30	19°50	27°11	14°37	6°26	19°2	20°43	20°46	6°34	12°4	27°1	28°1	8°11	15°39	S 13
S 14	15 28 10	23°30'23	3♌2	29°21	15°51	7°7	19°16	20°51	20°46	6°34	12°2	26°55	27°58	8°18	15°35	S 14
M15	15 32 6	24°28'14	16°1	1♌30	17°5	7°49	19°30	20°59	20°47	6°34	12°1	26°47	27°55	8°24	15°32	M15
T 16	15 36 3	25°26'04	28°48	3°38	18°19	8°30	19°44	21°6	20°47	6°33	11°59	26°38	27°52	8°31	15°28	T 16
W17	15 39 59	26°23'52	11♌23	5°45	19°32	9°12	19°58	21°14	20°48	6°33	11°58	26°27	27°49	8°38	15°24	W17
T 18	15 43 56	27°21'39	2♌47	7°50	20°46	9°53	20°13	21°22	20°48	6°33	11°56	26°16	27°46	8°44	15°20	T 18
F 19	15 47 52	28°19'24	6♌1	9°53	22°0	10°35	20°27	21°29	20°48	6°33	11°55	26°7	27°42	8°51	15°16	F 19
S 20	15 51 49	29°17'08	18°4	11°55	23°14	11°16	20°41	21°37	20°49	6°32	11°53	25°59	27°39	8°58	15°12	S 20
S 21	15 55 46	0♌14'51	29°59	13°53	24°27	11°58	20°55	21°45	20°49	6°32	11°51	25°53	27°36	9°4	15°8	S 21
M22	15 59 42	1°12'33	11♌49	15°50	25°41	12°39	21°9	21°52	20°49	6°31	11°50	25°50	27°33	9°11	15°4	M22
T 23	16 3 39	2°10'13	23°36	17°44	26°55	13°20	21°24	22°0	20°49	6°31	11°48	25°D49	27°30	9°18	15°0	T 23
W24	16 7 35	3°7'52	5♌25	19°35	28°9	14°2	21°38	22°8	20°49	6°31	11°47	25°49	27°26	9°24	14°56	W24
T 25	16 11 32	4°5'31	17°20	21°24	29°22	14°43	21°52	22°15	20°R49	6°30	11°45	25°50	27°23	9°31	14°52	T 25
F 26	16 15 28	5°3'08	29°26	23°9	0♌36	15°24	22°6	22°23	20°49	6°29	11°43	25°R51	27°20	9°38	14°48	F 26
S 27	16 19 25	6°0'44	11♌48	24°52	1°50	16°5	22°20	22°31	20°49	6°29	11°42	25°51	27°17	9°44	14°43	S 27
S 28	16 23 21	6°58'20	24°31	26°32	3°4	16°46	22°34	22°38	20°49	6°28	11°40	25°49	27°14	9°51	14°39	S 28
M29	16 27 18	7°55'54	7♊39	28°9	4°17	17°27	22°48	22°46	20°49	6°28	11°39	25°46	27°11	9°57	14°35	M29
T 30	16 31 15	8°53'28	21°15	29°43	5°31	18°8	23°2	22°53	20°49	6°27	11°37	25°41	27°7	10°4	14°31	T 30
W31	16 35 11	9♌51'00	5♌18	1♌14	6♌45	18♌49	23♌16	23♌1	20♌49	6♌26	11♌35	25♌34	27♌4	10♌11	14♌27	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
M 1	15n 6	4s16	4s25	10n49	1s19	10n13	1s18	20n 6	0n23	15n50	0s52	15n35	2s 0	15s17	0s41	18s25	0n13	11s 4	11n18	20n33	20n26	21s21	17s32	5n14	
T 2	15 24	0n41	4 52	11 39	1 10	10 40	1 16	20 16	0 24	15 55	0 52	15 37	2 0	15 17	0 41	18 25	0 13	11 3	11 18	20 35	20 26	21 21	17 31	5 15	
W 3	15 42	5 45	5 2	12 28	1 1	11 6	1 15	20 25	0 24	15 59	0 52	15 39	2 0	15 16	0 41	18 25	0 13	11 3	11 18	20 37	20 27	21 22	17 30	5 15	
T 4	15 59	10 37	4 53	13 18	0 52	11 33	1 14	20 35	0 25	16 3	0 52	15 42	2 0	15 16	0 41	18 25	0 13	11 3	11 18	20 39	20 28	21 22	17 29	5 16	
F 5	16 17	14 58	4 25	14 7	0 42	11 59	1 12	20 44	0 25	16 7	0 52	15 44	2 0	15 16	0 41	18 25	0 13	11 3	11 19	20 41	20 28	21 23	17 28	5 16	
S 6	16 34	18 27	3 40	14 56	0 32	12 25	1 11	20 54	0 26	16 11	0 52	15 46	2 0	15 15	0 41	18 25	0 13	11 2	11 19	20 43	20 29	21 23	17 28	5 17	
S 7	16 50	20 43	2 39	15 45	0 22	12 50	1 9	21 3	0 27	16 15	0 52	15 48	2 0	15 15	0 42	18 25	0 13	11 2	11 19	20 44	20 30	21 24	17 27	5 17	
M 8	17 7	21 35	1 28	16 32	0 11	13 16	1 8	21 11	0 27	16 19	0 52	15 50	2 0	15 15	0 42	18 25	0 13	11 2	11 19	20 44	20 30	21 24	17 26	5 18	
T 9	17 23	20 59	0 13	17 19	0 1	13 41	1 6	21 20	0 28	16 23	0 52	15 52	2 0	15 15	0 42	18 25	0 13	11 2	11 19	20 45	20 31	21 25	17 25	5 18	
W10	17 39	19 3	1n 2	18 4	0n10	14 5	1 4	21 28	0 28	16 27	0 52	15 54	2 0	15 14	0 42	18 25	0 13	11 1	11 19	20 45	20 31	21 25	17 24	5 18	
T 11	17 54	16 1	2 12	18 48	0 20	14 30	1 3	21 37	0 29	16 31	0 52	15 56	2 0	15 14	0 42	18 25	0 13	11 1	11 19	20 45	20 32	21 25	17 24	5 19	
F 12	18 9	12 9	3 13	19 31	0 31	14 54	1 1	21 44	0 29	16 35	0 51	15 58	2 0	15 14	0 42	18 25	0 13	11 1	11 19	20 45	20 33	21 26	17 23	5 19	
S 13	18 24	7 45	4 3	20 12	0 41	15 17	0 59	21 52	0 30	16 39	0 51	16 0	2 0	15 14	0 42	18 25	0 13	11 1	11 19	20 45	20 33	21 26	17 22	5 20	
S 14	18 39	3 3	4 38	20 51	0 51	15 40	0 57	22 0	0 30	16 43	0 51	16 2	2 0	15 14	0 42	18 25	0 13	11 0	11 19	20 46	20 34	21 27	17 21	5 20	
M15	18 53	1s42	4 59	21 27	1 1	16 3	0 55	22 7	0 31	16 47	0 51	16 4	2 0	15 14	0 42	18 25	0 13	11 0	11 19	20 48	20 35	21 27	17 20	5 21	
T 16	19 7	6 19	5 4	22 2	1 10	16 26	0 53	22 14	0 31	16 51	0 51	16 6	2 0	15 13	0 42	18 25	0 13	11 0	11 19	20 50	20 35	21 28	17 20	5 21	
W17	19 21	10 35	4 54	22 34	1 19	16 48	0 51	22 21	0 32	16 55	0 51	16 8	2 0	15 13	0 42	18 25	0 13	11 0	11 19	20 52	20 36	21 28	17 19	5 21	
T 18	19 34	14 21	4 30	23 3	1 27	17 9	0 49	22 28	0 33	16 58	0 51	16 11	2 0	15 13	0 42	18 25	0 13	11 0	11 19	20 54	20 37	21 28	17 18	5 22	
F 19	19 47	17 28	3 54	23 30	1 35	17 30	0 47	22 35	0 33	17 2	0 51	16 13	2 0	15 13	0 42	18 25	0 13	10 59	11 19	20 56	20 37	21 29	17 17	5 22	
S 20	20 0	19 47	3 8	23 54	1 42	17 51	0 45	22 41	0 34	17 6	0 51	16 15	2 0	15 13	0 42	18 26	0 13	10 59	11 19	20 57	20 38	21 29	17 16	5 22	
S 21	20 12	21 12	2 14	24 16	1 49	18 11	0 43	22 47	0 34	17 10	0 51	16 16	2 0	15 13	0 42	18 26	0 13	10 59	11 19	20 58	20 38	21 30	17 16	5 23	
M22	20 24	21 40	1 15	24 35	1 54	18 31	0 41	22 53	0 35	17 14	0 51	16 18	2 0	15 13	0 42	18 26	0 13	10 59	11 19	20 59	20 39	21 30	17 15	5 23	
T 23	20 36	21 11	0 12	24 51	1 59	18 50	0 39	22 59	0 35	17 17	0 51	16 20	2 0	15 13	0 42	18 26	0 13	10 59	11 19	20 59	20 40	21 30	17 14	5 23	
W24	20 47	19 45	0s52	25 5	2 4	19 9	0 37	23 4	0 36	17 21	0 51	16 22	2 0	15 13	0 42	18 26	0 13	10 58	11 19	20 59	20 40	21 31	17 13	5 24	
T 25	20 58	17 26	1 53	25 16	2 7	19 27	0 35	23 10	0 36	17 25	0 51	16 24	2 0	15 13	0 42	18 26	0 13	10 58	11 19	20 59	20 41	21 31	17 13	5 24	
F 26	21 8	14 21	2 51	25 25	2 10	19 45	0 32	23 15	0 37	17 28	0 51	16 26	2 0	15 13	0 42	18 26	0 13	10 58	11 19	20 58	20 42	21 31	17 12	5 24	
S 27	21 19	10 34	3 42	25 32	2 12	20 2	0 30	23 19	0 37	17 32	0 51	16 28	2 0	15 13	0 42	18 26	0 13	10 58	11 19	20 58	20 42	21 32	17 11	5 25	
S 28	21 28	6 13	4 24	25 36	2 13	20 19	0 28	23 24	0 38	17 36	0 51	16 30	2 0	15 13	0 42	18 27	0 13	10 58	11 19	20 59	20 43	21 32	17 10	5 25	
M29	21 38	1 28	4 54	25 38	2 13	20 35	0 26	23 29	0 38	17 39	0 51	16 32	2 0	15 13	0 42	18 27	0 13	10 58	11 19	20 59	20 44	21 33	17 10	5 25	
T 30	21 47	3n32	5 8	25 39	2 12	20 50	0 23	23 33	0 38	17 43	0 51	16 34	2 0	15 13	0 42	18 27	0 13	10 58	11 19	21 0	20 44	21 33	17 9	5 25	
W31	21n56	8n30	5s 4	25n37	2n11	21n 5	0s21	23n37	0n39	17n46	0s51	16n36	2s 0	15s14	0s42	18s27	0n13	10s57	11n19	21n 2	20n45	21s33	17s 8	5n26	

ASTRODIENST EPHEMERIS for the year 2000

geocentric

JUNE 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 8	10 ^{II} 48'32	19 ⁸ 48	2 ⁵ 42	7 ^{II} 59	19 ^{II} 30	23 ⁸ 30	23 ⁸ 8	20°R48	6°R26	11°R34	25°R27	27 ⁵ 1	10 ³ 17	14°R22	T 1
F 2	16 43 4	11°46'03	4 ^{II} 37	4° 6	9°12	20°11	23°44	23°16	20 ⁴ 48	6 ⁴ 25	11 ⁴ 32	25 ⁵ 21	26°58	10°24	14 ⁴ 18	F 2
S 3	16 47 1	12°43'33	19°38	5°28	10°26	20°52	23°58	23°23	20°48	6°24	11°30	25°16	26°55	10°31	14°14	S 3
S 4	16 50 57	13°41'03	4 ⁵ 42	6°46	11°40	21°33	24°11	23°31	20°47	6°23	11°29	25°12	26°52	10°37	14°10	S 4
M 5	16 54 54	14°38'31	19°41	8° 1	12°53	22°13	24°25	23°38	20°47	6°22	11°27	25°D11	26°48	10°44	14° 5	M 5
T 6	16 58 50	15°35'58	4 ⁶ 25	9°13	14° 7	22°54	24°39	23°46	20°46	6°22	11°26	25°11	26°45	10°51	14° 1	T 6
W 7	17 2 47	16°33'23	18°51	10°22	15°21	23°35	24°53	23°53	20°46	6°21	11°24	25°12	26°42	10°57	13°57	W 7
T 8	17 6 44	17°30'48	2 ^{II} 56	11°27	16°35	24°15	25° 6	24° 0	20°45	6°20	11°22	25°13	26°39	11° 4	13°53	T 8
F 9	17 10 40	18°28'11	16°39	12°28	17°48	24°56	25°20	24° 8	20°44	6°19	11°21	25°R14	26°36	11°11	13°48	F 9
S 10	17 14 37	19°25'33	0 ⁴ 1	13°26	19° 2	25°37	25°34	24°15	20°44	6°18	11°19	25°14	26°32	11°17	13°44	S 10
S 11	17 18 33	20°22'54	13° 4	14°21	20°16	26°17	25°47	24°22	20°43	6°17	11°17	25°12	26°29	11°24	13°40	S 11
M12	17 22 30	21°20'15	25°50	15°12	21°29	26°58	26° 1	24°29	20°42	6°16	11°16	25° 8	26°26	11°31	13°36	M12
T 13	17 26 26	22°17'34	8 ^{II} 23	15°58	22°43	27°38	26°14	24°36	20°41	6°15	11°14	25° 3	26°23	11°37	13°32	T 13
W14	17 30 23	23°14'52	20°43	16°41	23°57	28°18	26°28	24°44	20°40	6°14	11°13	24°58	26°20	11°44	13°28	W14
T 15	17 34 19	24°12'10	2 ⁴ 53	17°20	25°11	28°59	26°41	24°51	20°39	6°13	11°11	24°53	26°17	11°51	13°23	T 15
F 16	17 38 16	25° 9'27	14°54	17°55	26°24	29°39	26°54	24°58	20°38	6°12	11°10	24°48	26°13	11°57	13°19	F 16
S 17	17 42 13	26° 6'43	26°49	18°26	27°38	0 ⁵ 19	27° 8	25° 5	20°37	6°11	11° 8	24°44	26°10	12° 4	13°15	S 17
S 18	17 46 9	27° 3'59	8 ³ 39	18°52	28°52	1° 0	27°21	25°12	20°36	6° 9	11° 6	24°42	26° 7	12°10	13°11	S 18
M19	17 50 6	28° 1'14	20°27	19°14	0 ⁵ 5	1°40	27°34	25°19	20°35	6° 8	11° 5	24°D41	26° 4	12°17	13° 7	M19
T 20	17 54 2	28°58'29	2 ⁴ 15	19°32	1°19	2°20	27°47	25°26	20°34	6° 7	11° 3	24°41	26° 1	12°24	13° 3	T 20
W21	17 57 59	29°55'43	14° 6	19°45	2°33	3° 0	28° 1	25°32	20°33	6° 6	11° 2	24°42	25°58	12°30	12°59	W21
T 22	18 1 55	0 ⁵ 52'57	26° 3	19°54	3°47	3°40	28°14	25°39	20°31	6° 5	11° 0	24°44	25°54	12°37	12°55	T 22
F 23	18 5 52	1°50'11	8 ³ 11	19°R57	5° 0	4°20	28°27	25°46	20°30	6° 3	10°59	24°45	25°51	12°44	12°52	F 23
S 24	18 9 49	2°47'25	20°33	19°57	6°14	5° 0	28°40	25°53	20°29	6° 2	10°57	24°46	25°48	12°50	12°48	S 24
S 25	18 13 45	3°44'39	3 ⁴ 15	19°52	7°28	5°40	28°52	25°59	20°27	6° 1	10°56	24°R47	25°45	12°57	12°44	S 25
M26	18 17 42	4°41'52	16°19	19°42	8°41	6°20	29° 5	26° 6	20°26	5°59	10°54	24°46	25°42	13° 4	12°40	M26
T 27	18 21 38	5°39'06	29°49	19°28	9°55	7° 0	29°18	26°13	20°25	5°58	10°53	24°45	25°38	13°10	12°37	T 27
W28	18 25 35	6°36'20	13 ⁸ 47	19°10	11° 9	7°40	29°31	26°19	20°23	5°57	10°52	24°43	25°35	13°17	12°33	W28
T 29	18 29 31	7°33'34	28°11	18°48	12°23	8°20	29°43	26°26	20°22	5°55	10°50	24°41	25°32	13°24	12°29	T 29
F 30	18 33 28	8 ⁵ 30'47	12 ^{II} 57	18 ⁵ 23	13 ⁵ 36	9 ⁵ 0	29 ⁸ 56	26 ⁸ 32	20 ⁴ 20	5 ⁴ 54	10 ⁴ 49	24 ⁵ 39	25 ⁵ 29	13 ⁵ 30	12 ⁴ 26	F 30

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 4	13n10	4s42	25n34	2n 9	21n20	0s19	23n41	0n39	17n50	0s51	16n38	2s 0	15s14	0s42	18s27	0n13	10s57	11n19	21n 3	20n45	21s34	17s 8	5n26
F 2	22 12	17 8	4 0	25 28	2 6	21 34	0 16	23 44	0 40	17 53	0 51	16 39	2 0	15 14	0 43	18 27	0 13	10 57	11 19	21 4	20 46	21 34	17 7	5 26
S 3	22 19	20 2	3 1	25 22	2 2	21 47	0 14	23 48	0 40	17 57	0 51	16 41	2 0	15 14	0 43	18 28	0 13	10 57	11 19	21 5	20 46	21 34	17 6	5 26
S 4	22 26	21 32	1 49	25 13	1 58	21 59	0 12	23 51	0 41	18 0	0 51	16 43	2 0	15 14	0 43	18 28	0 13	10 57	11 18	21 6	20 47	21 35	17 6	5 27
M 5	22 33	21 30	0 30	25 4	1 52	22 11	0 9	23 54	0 41	18 3	0 51	16 45	2 0	15 14	0 43	18 28	0 13	10 57	11 18	21 6	20 48	21 35	17 5	5 27
T 6	22 40	19 58	0n50	24 53	1 46	22 23	0 7	23 57	0 42	18 7	0 51	16 47	2 0	15 15	0 43	18 28	0 13	10 57	11 18	21 6	20 48	21 35	17 4	5 27
W 7	22 46	17 9	2 5	24 41	1 39	22 34	0 4	23 59	0 42	18 10	0 50	16 48	2 0	15 15	0 43	18 28	0 13	10 57	11 18	21 6	20 49	21 35	17 4	5 27
T 8	22 51	13 24	3 11	24 28	1 32	22 44	0 2	24 1	0 43	18 13	0 50	16 50	2 0	15 15	0 43	18 29	0 13	10 57	11 18	21 5	20 49	21 36	17 3	5 27
F 9	22 56	9 1	4 4	24 14	1 23	22 53	0n 0	24 4	0 43	18 17	0 50	16 52	2 0	15 15	0 43	18 29	0 13	10 57	11 18	21 5	20 50	21 36	17 2	5 27
S 10	23 1	4 19	4 42	23 59	1 14	23 2	0 3	24 5	0 44	18 20	0 50	16 54	2 0	15 16	0 43	18 29	0 13	10 57	11 18	21 5	20 51	21 36	17 2	5 28
S 11	23 5	0s28	5 5	23 44	1 4	23 10	0 5	24 7	0 44	18 23	0 50	16 55	2 0	15 16	0 43	18 29	0 13	10 56	11 18	21 6	20 51	21 37	17 1	5 28
M12	23 9	5 8	5 12	23 28	0 54	23 17	0 7	24 9	0 44	18 26	0 50	16 57	2 0	15 16	0 43	18 30	0 13	10 56	11 17	21 6	20 52	21 37	17 0	5 28
T 13	23 13	9 30	5 4	23 11	0 43	23 24	0 10	24 10	0 45	18 30	0 50	16 59	2 0	15 16	0 43	18 30	0 13	10 56	11 17	21 7	20 52	21 37	17 0	5 28
W14	23 16	13 24	4 41	22 54	0 31	23 30	0 12	24 11	0 45	18 33	0 50	17 0	2 0	15 17	0 43	18 30	0 13	10 56	11 17	21 8	20 53	21 37	16 59	5 28
T 15	23 19	16 42	4 6	22 37	0 18	23 36	0 15	24 12	0 46	18 36	0 50	17 2	2 0	15 17	0 43	18 30	0 13	10 56	11 17	21 9	20 54	21 38	16 59	5 28
F 16	23 21	19 15	3 21	22 19	0 5	23 40	0 17	24 12	0 46	18 39	0 50	17 4	2 0	15 17	0 43	18 31	0 13	10 56	11 17	21 10	20 54	21 38	16 58	5 28
S 17	23 23	20 57	2 27	22 2	0s 9	23 44	0 19	24 13	0 47	18 42	0 50	17 5	2 0	15 18	0 43	18 31	0 13	10 56	11 16	21 11	20 55	21 38	16 58	5 28
S 18	23 24	21 43	1 27	21 44	0 23	23 47	0 22	24 13	0 47	18 45	0 50	17 7	2 0	15 18	0 43	18 31	0 13	10 56	11 16	21 11	20 55	21 39	16 57	5 28
M19	23 25	21 30	0 23	21 26	0 38	23 50	0 24	24 13	0 47	18 48	0 50	17 9	2 0	15 19	0 43	18 32	0 13	10 56	11 16	21 11	20 56	21 39	16 57	5 28
T 20	23 26	20 20	0s42	21 8	0 53	23 52	0 26	24 13	0 48	18 51	0 50	17 10	2 0	15 19	0 43	18 32	0 13	10 56	11 16	21 11	20 57	21 39	16 56	5 28
W21	23 26	18 16	1 45	20 51	1 9	23 53	0 28	24 12	0 48	18 54	0 50	17 12	2 0	15 19	0 43	18 32	0 13	10 56	11 16	21 11	20 57	21 39	16 56	5 28
T 22	23 26	15 25	2 44	20 34	1 25	23 54	0 31	24 12	0 49	18 57	0 50	17 13	2 1	15 20	0 43	18 33	0 13	10 56	11 15	21 11	20 58	21 40	16 55	5 28
F 23	23 26	11 52	3 37	20 18	1 41	23 53	0 33	24 11	0 49	19 0	0 50	17 15	2 1	15 20	0 43	18 33	0 13	10 56	11 15	21 10	20 58	21 40	16 55	5 28
S 24	23 25	7 45	4 22	20 2	1 57	23 52	0 35	24 10	0 49	19 2	0 50	17 16	2 1	15 21	0 43	18 33	0 13	10 56	11 15	21 10	20 59	21 40	16 54	5 28
S 25	23 23	3 12	4 54	19 46	2 13	23 51	0 37	24 9	0 50	19 5	0 50	17 18	2 1	15 21	0 43	18 34	0 13	10 56	11 15	21 10	21 0	21 40	16 54	5 28
M26	23 21	1n36	5 13	19 32	2 29	23 48	0 39	24 7	0 50	19 8	0 50	17 19	2 1	15 22	0 43	18 34	0 13	10 56	11 15	21 10	21 0	21 40	16 53	5 28
T 27	23 19	6 30	5 15	19 18	2 45	23 45	0 41	24 6	0 51	19 11	0 50	17 21	2 1	15 22	0 43	18 34	0 13	10 57	11 14	21 10	21 1	21 41	16 53	5 28
W28	23 16	11 13	4 59	19 5	3 1	23 42	0 44	24 4	0 51	19 13	0 50	17 22	2 1	15 23	0 43	18 35	0 13	10 57	11 14	21 11	21 1	21 41	16 52	5 28
T 29	23 13	15 28	4 24	18 53	3 16	23 37	0 46	24 2	0 51	19 16	0 50	17 23	2 1	15 23	0 43	18 35	0 13	10 57	11 14	21 11	21 2	21 41	16 52	5 28
F 30	23n10	18n52	3s31	18n42	3s31	23n32	0n48	24n 0	0n52	19n19	0s50	17n25	2s 1	15s24	0s43	18s35	0n13	10s57	11n13	21n12	21n 3	21s41	16s52	5n28

ASTRODIENST EPHEMERIS for the year 2000

geocentric

JULY 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 37 24	9 ²⁸ 28'01	28 ^{II} 0	17°R54	14 ⁵ 50	9 ⁵ 40	0 ^{II} 9	26 ⁸ 39	20°R18	5°R53	10°R47	24°R38	25 ⁵ 26	13 ³ 37	12°R22	S 1
S 2	18 41 21	10°25'15	13 ⁵ 11	17 ⁵ 23	16° 4	10°19	0°21	26°45	20 ¹ 17	5 ¹ 51	10 ¹ 46	24 ⁵ 37	25°23	13°44	12 ¹ 19	S 2
M 3	18 45 18	11°22'29	28°21	16°49	17°18	10°59	0°33	26°51	20°15	5°50	10°45	24°D36	25°19	13°50	12°16	M 3
T 4	18 49 14	12°19'43	13 ⁵ 20	16°14	18°31	11°39	0°46	26°57	20°13	5°48	10°43	24°37	25°16	13°57	12°12	T 4
W 5	18 53 11	13°16'56	28° 0	15°37	19°45	12°18	0°58	27° 4	20°12	5°47	10°42	24°38	25°13	14° 4	12° 9	W 5
T 6	18 57 7	14°14'09	12 ^{II} 18	15° 0	20°59	12°58	1°10	27°10	20°10	5°45	10°41	24°39	25°10	14°10	12° 6	T 6
F 7	19 1 4	15°11'22	26°10	14°23	22°13	13°38	1°22	27°16	20° 8	5°44	10°40	24°39	25° 7	14°17	12° 3	F 7
S 8	19 5 0	16° 8'34	9 ⁵ 36	13°46	23°26	14°17	1°34	27°22	20° 6	5°42	10°38	24°40	25° 4	14°23	12° 0	S 8
S 9	19 8 57	17° 5'47	22°39	13°11	24°40	14°57	1°46	27°28	20° 4	5°41	10°37	24°R40	25° 0	14°30	11°57	S 9
M10	19 12 53	18° 2'59	5 ^{II} 21	12°38	25°54	15°36	1°58	27°34	20° 3	5°39	10°36	24°39	24°57	14°37	11°54	M10
T 11	19 16 50	19° 0'11	17°46	12° 7	27° 8	16°16	2°10	27°39	20° 1	5°38	10°35	24°39	24°54	14°43	11°51	T 11
W12	19 20 47	19°57'24	29°57	11°40	28°22	16°55	2°22	27°45	19°59	5°36	10°33	24°38	24°51	14°50	11°48	W12
T 13	19 24 43	20°54'36	11 ¹ 58	11°16	29°35	17°35	2°33	27°51	19°57	5°35	10°32	24°38	24°48	14°57	11°45	T 13
F 14	19 28 40	21°51'48	23°51	10°56	0 ^{II} 49	18°14	2°45	27°56	19°55	5°33	10°31	24°37	24°44	15° 3	11°43	F 14
S 15	19 32 36	22°49'01	5 ³ 41	10°40	2° 3	18°53	2°56	28° 2	19°53	5°32	10°30	24°37	24°41	15°10	11°40	S 15
S 16	19 36 33	23°46'14	17°29	10°30	3°17	19°33	3° 8	28° 7	19°51	5°30	10°29	24°37	24°38	15°17	11°38	S 16
M17	19 40 29	24°43'27	29°17	10°24	4°30	20°12	3°19	28°13	19°49	5°28	10°28	24°37	24°35	15°23	11°35	M17
T 18	19 44 26	25°40'40	11 ¹ 9	10°D24	5°44	20°51	3°30	28°18	19°46	5°27	10°27	24°37	24°32	15°30	11°33	T 18
W19	19 48 22	26°37'54	23° 6	10°29	6°58	21°30	3°41	28°23	19°44	5°25	10°26	24°37	24°29	15°37	11°31	W19
T 20	19 52 19	27°35'09	5 ^{II} 11	10°40	8°12	22°10	3°52	28°29	19°42	5°24	10°25	24°37	24°25	15°43	11°29	T 20
F 21	19 56 16	28°32'24	17°27	10°56	9°25	22°49	4° 3	28°34	19°40	5°22	10°24	24°36	24°22	15°50	11°26	F 21
S 22	20 0 12	29°29'40	29°55	11°18	10°39	23°28	4°14	28°39	19°38	5°20	10°23	24°36	24°19	15°57	11°24	S 22
S 23	20 4 9	0 ^{II} 26'57	12 ^{II} 40	11°46	11°53	24° 7	4°25	28°44	19°36	5°19	10°22	24°35	24°16	16° 3	11°22	S 23
M24	20 8 5	1°24'14	25°43	12°20	13° 7	24°46	4°35	28°49	19°33	5°17	10°21	24°D35	24°13	16°10	11°21	M24
T 25	20 12 2	2°21'32	9 ⁸ 8	13° 0	14°21	25°25	4°46	28°54	19°31	5°16	10°21	24°35	24°10	16°16	11°19	T 25
W26	20 15 58	3°18'52	22°56	13°45	15°34	26° 4	4°56	28°58	19°29	5°14	10°20	24°35	24° 6	16°23	11°17	W26
T 27	20 19 55	4°16'12	7 ^{II} 8	14°36	16°48	26°43	5° 7	29° 3	19°27	5°12	10°19	24°36	24° 3	16°30	11°16	T 27
F 28	20 23 51	5°13'34	21°41	15°32	18° 2	27°22	5°17	29° 8	19°24	5°11	10°18	24°37	24° 0	16°36	11°14	F 28
S 29	20 27 48	6°10'56	6 ⁵ 32	16°34	19°16	28° 1	5°27	29°12	19°22	5° 9	10°17	24°38	23°57	16°43	11°13	S 29
S 30	20 31 45	7° 8'20	21°34	17°41	20°30	28°40	5°37	29°17	19°20	5° 7	10°17	24°R38	23°54	16°50	11°11	S 30
M31	20 35 41	8 ^{II} 5'44	6 ^{II} 40	18 ⁵ 54	21 ^{II} 43	29 ⁵ 19	5 ^{II} 47	29 ⁸ 21	19 ¹ 17	5 ¹ 6	10 ¹ 16	24 ⁵ 38	23 ⁵ 50	16 ⁵ 56	11 ¹ 10	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n 6	21n 3	2s22	18n32	3s44	23n26	0n50	23n57	0n52	19n21	0s50	17n26	2s 1	15s24	0s44	S 1
S 2	23 2	21 44	1 3	18 23	3 57	23 20	0 52	23 54	0 52	19 24	0 50	17 28	2 1	15 25	0 44	S 2
M 3	22 57	20 50	0n21	18 16	4 9	23 12	0 54	23 52	0 53	19 27	0 50	17 29	2 1	15 25	0 44	M 3
T 4	22 52	18 27	1 42	18 9	4 20	23 4	0 55	23 49	0 53	19 29	0 50	17 30	2 2	15 26	0 44	T 4
W 5	22 47	14 54	2 55	18 4	4 29	22 56	0 57	23 45	0 54	19 32	0 50	17 32	2 2	15 26	0 44	W 5
T 6	22 41	10 34	3 55	18 1	4 37	22 46	0 59	23 42	0 54	19 34	0 51	17 33	2 2	15 27	0 44	T 6
F 7	22 34	5 48	4 39	17 58	4 43	22 36	1 1	23 38	0 54	19 37	0 51	17 34	2 2	15 28	0 44	F 7
S 8	22 28	0 54	5 7	17 57	4 48	22 26	1 3	23 35	0 55	19 39	0 51	17 35	2 2	15 28	0 44	S 8
S 9	22 21	3s54	5 17	17 58	4 51	22 15	1 4	23 31	0 55	19 41	0 51	17 37	2 2	15 29	0 44	S 9
M10	22 13	8 24	5 12	17 59	4 52	22 3	1 6	23 26	0 55	19 44	0 51	17 38	2 2	15 30	0 44	M10
T 11	22 5	12 27	4 52	18 2	4 52	21 50	1 7	23 22	0 56	19 46	0 51	17 39	2 2	15 30	0 44	T 11
W12	21 57	15 55	4 19	18 6	4 50	21 37	1 9	23 18	0 56	19 48	0 51	17 40	2 2	15 31	0 44	W12
T 13	21 49	18 40	3 36	18 11	4 47	21 23	1 10	23 13	0 56	19 50	0 51	17 41	2 3	15 31	0 44	T 13
F 14	21 40	20 35	2 43	18 18	4 42	21 9	1 12	23 8	0 57	19 53	0 51	17 42	2 3	15 32	0 44	F 14
S 15	21 30	21 36	1 43	18 25	4 36	20 54	1 13	23 3	0 57	19 55	0 51	17 43	2 3	15 33	0 44	S 15
S 16	21 21	21 38	0 40	18 33	4 29	20 38	1 15	22 58	0 57	19 57	0 51	17 45	2 3	15 33	0 44	S 16
M17	21 11	20 43	0s26	18 42	4 20	20 22	1 16	22 52	0 58	19 59	0 51	17 46	2 3	15 34	0 44	M17
T 18	21 0	18 53	1 31	18 52	4 10	20 5	1 17	22 47	0 58	20 1	0 51	17 47	2 3	15 35	0 44	T 18
W19	20 50	16 12	2 32	19 2	4 0	19 48	1 18	22 41	0 58	20 3	0 51	17 48	2 3	15 35	0 44	W19
T 20	20 39	12 49	3 27	19 13	3 48	19 30	1 19	22 35	0 59	20 5	0 51	17 49	2 3	15 36	0 44	T 20
F 21	20 27	8 51	4 13	19 24	3 36	19 11	1 20	22 29	0 59	20 7	0 51	17 50	2 4	15 37	0 44	F 21
S 22	20 15	4 27	4 49	19 35	3 23	18 52	1 21	22 22	0 59	20 9	0 51	17 51	2 4	15 38	0 44	S 22
S 23	20 3	0n14	5 11	19 47	3 9	18 33	1 22	22 16	1 0	20 11	0 51	17 52	2 4	15 38	0 44	S 23
M24	19 51	5 0	5 17	19 58	2 55	18 13	1 23	22 9	1 0	20 13	0 51	17 53	2 4	15 39	0 44	M24
T 25	19 38	9 41	5 7	20 9	2 40	17 52	1 24	22 2	1 0	20 15	0 51	17 53	2 4	15 40	0 44	T 25
W26	19 25	14 0	4 40	20 19	2 26	17 31	1 25	21 55	1 0	20 17	0 51	17 54	2 4	15 40	0 44	W26
T 27	19 11	17 39	3 54	20 28	2 11	17 9	1 25	21 48	1 1	20 19	0 51	17 55	2 4	15 41	0 44	T 27
F 28	18 58	20 18	2 53	20 37	1 56	16 47	1 26	21 41	1 1	20 20	0 51	17 56	2 5	15 42	0 44	F 28
S 29	18 44	21 38	1 39	20 45	1 40	16 25	1 27	21 34	1 1	20 22	0 51	17 57	2 5	15 43	0 44	S 29
S 30	18 29	21 26	0 17	20 51	1 25	16 2	1 27	21 26	1 2	20 24	0 51	17 58	2 5	15 43	0 44	S 30
M31	18n15	19n40	1n 6	20n57	1s11	15n39	1n28	21n18	1n 2	20n26	0s51	17n58	2s 5	15s44	0s44	M31

Julian Day Number = 2451726.5, Delta T = 63.97 sec
 Ecliptic obliquity = 23°26'17, Nutation = - 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°44'50, Lahiri = 23°51'51

ASTRODIENST EPHEMERIS for the year 2000

geocentric

AUGUST 2000

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 38	9♌ 3'09	21♌41	20♌12	22♌57	29♌58	5♌57	29♌25	19♌R15	5♌R 4	10♌R15	24♌R37	23♌47	17♌3 3	11♌R 9	T 1
W 2	20 43 34	10° 0'35	6♍28	21°34	24°11	0♍37	6° 6	29°29	19♍13	5♍3 3	10♍15	24♍35	23°44	17°10	11♍8	W 2
T 3	20 47 31	10°58'01	20°53	23° 2	25°25	1°16	6°16	29°33	19°10	5° 1	10°14	24°33	23°41	17°16	11° 7	T 3
F 4	20 51 27	11°55'28	4♎54	24°34	26°39	1°54	6°25	29°37	19° 8	4°59	10°14	24°31	23°38	17°23	11° 6	F 4
S 5	20 55 24	12°52'56	18°28	26°10	27°52	2°33	6°35	29°41	19° 6	4°58	10°13	24°29	23°35	17°30	11° 5	S 5
S 6	20 59 20	13°50'25	1♎35	27°51	29° 6	3°12	6°44	29°45	19° 3	4°56	10°13	24°28	23°31	17°36	11° 5	S 6
M 7	21 3 17	14°47'54	14°18	29°35	0♎20	3°51	6°53	29°49	19° 1	4°54	10°12	24°D28	23°28	17°43	11° 4	M 7
T 8	21 7 14	15°45'24	26°41	1♎22	1°34	4°29	7° 2	29°53	18°58	4°53	10°12	24°28	23°25	17°49	11° 4	T 8
W 9	21 11 10	16°42'55	8♏49	3°13	2°47	5° 8	7°11	29°56	18°56	4°51	10°11	24°29	23°22	17°56	11° 3	W 9
T 10	21 15 7	17°40'27	20°46	5° 6	4° 1	5°47	7°19	29°59	18°54	4°50	10°11	24°31	23°19	18° 3	11° 3	T 10
F 11	21 19 3	18°38'00	2♏36	7° 2	5°15	6°25	7°28	0♏3 3	18°51	4°48	10°11	24°32	23°15	18° 9	11° 3	F 11
S 12	21 23 0	19°35'33	14°23	9° 0	6°29	7° 4	7°36	0° 6	18°49	4°47	10°10	24°34	23°12	18°16	11° 3	S 12
S 13	21 26 56	20°33'08	26°12	10°59	7°42	7°42	7°45	0°10	18°47	4°45	10°10	24°R34	23° 9	18°23	11°D 3	S 13
M14	21 30 53	21°30'44	8♏4	12°59	8°56	8°21	7°53	0°13	18°44	4°43	10°10	24°33	23° 6	18°29	11° 3	M14
T 15	21 34 49	22°28'21	20° 4	15° 1	10°10	8°59	8° 1	0°16	18°42	4°42	10°10	24°31	23° 3	18°36	11° 3	T 15
W16	21 38 46	23°25'59	2♏12	17° 2	11°24	9°38	8° 9	0°19	18°39	4°40	10°10	24°28	23° 0	18°43	11° 3	W16
T 17	21 42 43	24°23'38	14°30	19° 4	12°37	10°16	8°17	0°21	18°37	4°39	10° 9	24°23	22°56	18°49	11° 4	T 17
F 18	21 46 39	25°21'19	26°59	21° 6	13°51	10°55	8°24	0°24	18°35	4°37	10° 9	24°18	22°53	18°56	11° 4	F 18
S 19	21 50 36	26°19'01	9♏41	23° 8	15° 5	11°33	8°32	0°27	18°32	4°36	10° 9	24°13	22°50	19° 3	11° 5	S 19
S 20	21 54 32	27°16'45	22°37	25° 9	16°18	12°12	8°39	0°29	18°30	4°34	10° 9	24° 8	22°47	19° 9	11° 5	S 20
M21	21 58 29	28°14'30	5♏47	27°10	17°32	12°50	8°46	0°32	18°28	4°33	10°D 9	24° 5	22°44	19°16	11° 6	M21
T 22	22 2 25	29°12'17	19°13	29° 9	18°46	13°29	8°53	0°34	18°25	4°31	10° 9	24° 3	22°41	19°23	11° 7	T 22
W23	22 6 22	0♎10'06	2♏56	1♎8	20° 0	14° 7	9° 0	0°36	18°23	4°30	10° 9	24°D 3	22°37	19°29	11° 8	W23
T 24	22 10 18	1° 7'57	16°56	3° 6	21°13	14°45	9° 7	0°38	18°21	4°29	10° 9	24° 4	22°34	19°36	11° 9	T 24
F 25	22 14 15	2° 5'49	1♎12	5° 3	22°27	15°24	9°13	0°40	18°18	4°27	10° 9	24° 5	22°31	19°42	11°10	F 25
S 26	22 18 12	3° 3'43	15°44	6°58	23°41	16° 2	9°20	0°42	18°16	4°26	10°10	24° 6	22°28	19°49	11°11	S 26
S 27	22 22 8	4° 1'39	0♎27	8°53	24°54	16°40	9°26	0°44	18°14	4°24	10°10	24°R 6	22°25	19°56	11°12	S 27
M28	22 26 5	4°59'37	15°15	10°46	26° 8	17°18	9°32	0°46	18°11	4°23	10°10	24° 4	22°21	20° 2	11°14	M28
T 29	22 30 1	5°57'36	0♎3	12°37	27°22	17°57	9°38	0°47	18° 9	4°22	10°10	24° 1	22°18	20° 9	11°15	T 29
W30	22 33 58	6°55'37	14°42	14°28	28°35	18°35	9°44	0°49	18° 7	4°20	10°10	23°56	22°15	20°16	11°17	W30
T 31	22 37 54	7♎53'39	29♎5	16♎17	29♎49	19♎13	9♎50	0♎50	18♎5	4♎19	10♎11	23♎49	22♎12	20♎22	11♎19	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
T 1	18n 0	16n33	2n24	21n 0	0s56	15n15	1n28	21n10	1n 2	20n27	0s51	17n59	2s 5	15s45	0s44	18s48	0n13	11s 3	11n 2	21n12	21n21	21s45	16s48	5n22			
W 2	17 44	12 25	3 32	21 2	0 41	14 51	1 28	21 2	1 3	20 29	0 52	18 0	2 5	15 46	0 44	18 48	0 13	11 4	11 2	21 12	21 21	21 45	16 48	5 21			
T 3	17 29	7 39	4 23	21 1	0 27	14 26	1 28	20 54	1 3	20 30	0 52	18 1	2 6	15 46	0 44	18 49	0 13	11 4	11 2	21 13	21 22	21 45	16 49	5 21			
F 4	17 13	2 37	4 58	20 59	0 14	14 1	1 29	20 46	1 3	20 32	0 52	18 1	2 6	15 47	0 44	18 49	0 13	11 4	11 1	21 13	21 22	21 45	16 49	5 21			
S 5	16 57	2s23	5 14	20 54	0 1	13 36	1 29	20 37	1 3	20 33	0 52	18 2	2 6	15 48	0 44	18 49	0 13	11 5	11 1	21 13	21 23	21 45	16 49	5 20			
S 6	16 40	7 7	5 14	20 47	0n12	13 10	1 29	20 28	1 4	20 35	0 52	18 3	2 6	15 49	0 44	18 50	0 13	11 5	11 0	21 14	21 23	21 45	16 49	5 20			
M 7	16 24	11 23	4 57	20 38	0 24	12 44	1 29	20 20	1 4	20 36	0 52	18 3	2 6	15 49	0 44	18 50	0 13	11 5	11 0	21 14	21 24	21 45	16 49	5 20			
T 8	16 7	15 4	4 28	20 25	0 35	12 18	1 29	20 11	1 4	20 38	0 52	18 4	2 6	15 50	0 44	18 50	0 13	11 6	10 59	21 14	21 24	21 45	16 50	5 19			
W 9	15 50	18 3	3 46	20 11	0 46	11 51	1 28	20 2	1 4	20 39	0 52	18 4	2 7	15 51	0 44	18 51	0 13	11 6	10 59	21 13	21 25	21 45	16 50	5 19			
T 10	15 32	20 12	2 56	19 53	0 55	11 24	1 28	19 52	1 5	20 41	0 52	18 5	2 7	15 52	0 44	18 51	0 13	11 7	10 59	21 13	21 26	21 45	16 50	5 19			
F 11	15 14	21 27	1 58	19 33	1 4	10 57	1 28	19 43	1 5	20 42	0 52	18 6	2 7	15 52	0 44	18 52	0 12	11 7	10 58	21 13	21 26	21 45	16 50	5 18			
S 12	14 57	21 44	0 56	19 10	1 12	10 29	1 28	19 33	1 5	20 43	0 52	18 6	2 7	15 53	0 44	18 52	0 12	11 7	10 58	21 13	21 27	21 45	16 51	5 18			
S 13	14 38	21 3	0s 9	18 45	1 19	10 1	1 27	19 24	1 5	20 45	0 52	18 7	2 7	15 54	0 44	18 52	0 12	11 8	10 57	21 12	21 27	21 45	16 51	5 18			
M14	14 20	19 26	1 14	18 17	1 25	9 33	1 27	19 14	1 6	20 46	0 52	18 7	2 7	15 55	0 44	18 53	0 12	11 8	10 57	21 13	21 28	21 45	16 51	5 17			
T 15	14 1	16 56	2 16	17 47	1 31	9 5	1 26	19 4	1 6	20 47	0 52	18 7	2 8	15 55	0 44	18 53	0 12	11 9	10 56	21 13	21 28	21 45	16 52	5 17			
W16	13 42	13 41	3 12	17 15	1 35	8 36	1 25	18 54	1 6	20 48	0 52	18 8	2 8	15 56	0 44	18 54	0 12	11 9	10 56	21 14	21 29	21 45	16 52	5 17			
T 17	13 23	9 48	4 0	16 40	1 39	8 7	1 25	18 44	1 6	20 49	0 52	18 8	2 8	15 57	0 44	18 54	0 12	11 9	10 55	21 14	21 29	21 45	16 53	5 16			
F 18	13 4	5 27	4 38	16 4	1 42	7 38	1 24	18 34	1 7	20 51	0 52	18 9	2 8	15 58	0 44	18 54	0 12	11 10	10 55	21 15	21 30	21 45	16 53	5 16			
S 19	12 45	0 48	5 2	15 26	1 44	7 9	1 23	18 23	1 7	20 52	0 53	18 9	2 8	15 58	0 44	18 55	0 12	11 10	10 55	21 16	21 30	21 45	16 53	5 16			
S 20	12 25	3n58	5 12	14 47	1 45	6 40	1 22	18 13	1 7	20 53	0 53	18 9	2 8	15 59	0 44	18 55	0 12	11 11	10 54	21 17	21 31	21 45	16 54	5 15			
M21	12 5	8 38	5 6	14 7	1 46	6 10	1 21	18 2	1 7	20 54	0 53	18 10	2 9	16 0	0 44	18 55	0 12	11 11	10 54	21 18	21 31	21 45	16 54	5 15			
T 22	11 45	13 0	4 43	13 25	1 46	5 40	1 20	17 51	1 8	20 55	0 53	18 10	2 9	16 0	0 44	18 56	0 12	11 12	10 53	21 18	21 32	21 45	16 55	5 15			
W23	11 25	16 46	4 3	12 42	1 45	5 10	1 19	17 41	1 8	20 56	0 53	18 10	2 9	16 1	0 44	18 56	0 12	11 12	10 53	21 18	21 32	21 45	16 55	5 14			
T 24	11 4	19 40	3 9	11 59	1 43	4 40	1 18	17 30	1 8	20 57	0 53	18 11	2 9	16 2	0 44	18 57	0 12	11 12	10 52	21 18	21 33	21 45	16 56	5 14			
F 25	10 44	21 24	2 2	11 14	1 42	4 10	1 16	17 18	1 8	20 58	0 53	18 11	2 9	16 3	0 44	18 57	0 12	11 13	10 52	21 18	21 33	21 44	16 56	5 14			
S 26	10 23	21 46	0 45	10 29	1 39	3 40	1 15	17 7	1 9	20 59	0 53	18 11	2 10	16 3	0 44	18 57	0 12	11 13	10 51	21 17	21 34	21 44	16 57	5 13			
S 27	10 2	20 37	0n34	9 43	1 36	3 9	1 14	16 56	1 9	20 59	0 53	18 11	2 10	16 4	0 44	18 58	0 12	11 14	10 51	21 17	21 35	21 44	16 57	5 13			
M28	9 41	18 3	1 52	8 57	1 32	2 38	1 12	16 45	1 9	21 0	0 53	18 11	2 10	16 5	0 44	18 58	0 12	11 14	10 51	21 18	21 35	21 44	16 58	5 13			
T 29	9 20	14 18	3 3	8 11	1 29	2 8	1 11	16 33	1 9	21 1	0 53	18 12	2 10	16 5	0 44	18 58	0 12	11 15	10 50	21 18	21 36	21 44	16 58	5 12			
W30	8 50	9 43	4 0	7 25	1 24	1 37	1 9	16 21	1 9	21 2	0 53	18 12	2 10	16 6	0 44	18 59	0 12	11 15	10 50	21 19	21 36	21 44	16 59	5 12			
T 31	8n37	4n39	4n41	6n38	1n19	1n 6	1n 8	16n10	1n10	21n 3	0s53	18n12	2s11	16s 7	0s44	18s59	0n12	11s16	10n49	21n20	21n37	21s44	16s59	5n12			

ASTRODIENST EPHEMERIS for the year 2000

geocentric

SEPTEMBER 2000

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 41 51	8♍51'43	13♌6	18♍5	1♌3	19♏51	9♏55	0♏52	18°R 2	4°R18	10♏11	23°R42	22♏9	20♏29	11♏20	F 1
S 2	22 45 47	9°49'49	26°43	19°52	2°16	20°29	10°0	0°53	18°00	4°17	10°12	23°35	22°6	20°36	11°22	S 2
S 3	22 49 44	10°47'55	9♍53	21°37	3°30	21°8	10°5	0°54	17°58	4°15	10°12	23°29	22°2	20°42	11°24	S 3
M 4	22 53 40	11°46'04	22°39	23°22	4°43	21°46	10°10	0°55	17°56	4°14	10°12	23°25	21°59	20°49	11°26	M 4
T 5	22 57 37	12°44'13	5♌4	25°5	5°57	22°24	10°15	0°56	17°54	4°13	10°13	23°24	21°56	20°56	11°28	T 5
W 6	23 1 34	13°42'25	17°11	26°47	7°11	23°2	10°20	0°56	17°52	4°12	10°13	23°D23	21°53	21°2	11°31	W 6
T 7	23 5 30	14°40'37	29°7	28°27	8°24	23°40	10°24	0°57	17°50	4°11	10°14	23°24	21°50	21°9	11°33	T 7
F 8	23 9 27	15°38'52	10♏56	0♌7	9°38	24°18	10°28	0°58	17°48	4°10	10°15	23°25	21°47	21°15	11°35	F 8
S 9	23 13 23	16°37'07	22°44	1°45	10°51	24°56	10°32	0°58	17°46	4°8	10°15	23°R26	21°43	21°22	11°38	S 9
S 10	23 17 20	17°35'25	4♌35	3°22	12°5	25°34	10°36	0°58	17°44	4°7	10°16	23°25	21°40	21°29	11°40	S 10
M11	23 21 16	18°33'44	16°33	4°58	13°18	26°12	10°40	0°59	17°42	4°6	10°16	23°22	21°37	21°35	11°43	M11
T 12	23 25 13	19°32'04	28°41	6°33	14°32	26°50	10°44	0°59	17°40	4°5	10°17	23°17	21°34	21°42	11°46	T 12
W13	23 29 9	20°30'27	11♌2	8°7	15°45	27°28	10°47	0°59	17°38	4°4	10°18	23°10	21°31	21°49	11°49	W13
T 14	23 33 6	21°28'51	23°37	9°40	16°59	28°6	10°50	0°59	17°36	4°3	10°19	23°1	21°27	21°55	11°52	T 14
F 15	23 37 3	22°27'17	6♏26	11°11	18°12	28°44	10°53	0°58	17°34	4°2	10°20	22°50	21°24	22°2	11°55	F 15
S 16	23 40 59	23°25'44	19°29	12°42	19°26	29°22	10°56	0°58	17°32	4°1	10°20	22°40	21°21	22°9	11°58	S 16
S 17	23 44 56	24°24'14	2♌44	14°11	20°39	29°59	10°58	0°58	17°31	4°1	10°21	22°30	21°18	22°15	12°1	S 17
M18	23 48 52	25°22'46	16°10	15°39	21°53	0♍37	11°1	0°57	17°29	4°0	10°22	22°23	21°15	22°22	12°4	M18
T 19	23 52 49	26°21'21	29°47	17°7	23°6	1°15	11°3	0°56	17°27	3°59	10°23	22°17	21°12	22°29	12°8	T 19
W20	23 56 45	27°19'57	13♏34	18°33	24°19	1°53	11°5	0°56	17°26	3°58	10°24	22°14	21°8	22°35	12°11	W20
T 21	0 0 42	28°18'36	27°31	19°58	25°33	2°31	11°7	0°55	17°24	3°57	10°25	22°D14	21°5	22°42	12°14	T 21
F 22	0 4 38	29°17'17	11♏36	21°21	26°46	3°9	11°8	0°54	17°22	3°56	10°26	22°14	21°2	22°48	12°18	F 22
S 23	0 8 35	0♌16'00	25°50	22°44	28°0	3°46	11°10	0°53	17°21	3°56	10°27	22°R14	20°59	22°55	12°22	S 23
S 24	0 12 32	1°14'46	10♏10	24°5	29°13	4°24	11°11	0°52	17°19	3°55	10°28	22°13	20°56	23°2	12°26	S 24
M25	0 16 28	2°13'34	24°35	25°26	0♍26	5°2	11°12	0°50	17°18	3°54	10°29	22°10	20°52	23°8	12°29	M25
T 26	0 20 25	3°12'24	8♍59	26°44	1°40	5°40	11°13	0°49	17°16	3°54	10°30	22°3	20°49	23°15	12°33	T 26
W27	0 24 21	4°11'15	23°17	28°2	2°53	6°17	11°13	0°47	17°15	3°53	10°32	21°54	20°46	23°22	12°37	W27
T 28	0 28 18	5°10'09	7♌24	29°18	4°6	6°55	11°14	0°46	17°14	3°52	10°33	21°43	20°43	23°28	12°41	T 28
F 29	0 32 14	6°9'05	21°15	0♍33	5°19	7°33	11°14	0°44	17°12	3°52	10°34	21°32	20°40	23°35	12°45	F 29
S 30	0 36 11	7♌8'03	4♍45	1♍46	6♍33	8♍10	11°R14	0♏42	17°11	3°51	10°35	21°20	20°37	23°42	12°50	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8n15	0s31	5n 4	5n51	1n14	0n35	1n 6	15n58	1n10	21n 3	0s53	18n12	2s11	16s 7	0s44	F 1
S 2	7 53	5 30	5 8	5 4	1 9	0 5	1 4	15 46	1 10	21 4	0 54	18 12	2 11	16 8	0 44	S 2
S 3	7 31	10 5	4 56	4 18	1 3	0s26	1 2	15 34	1 10	21 5	0 54	18 12	2 11	16 9	0 44	S 3
M 4	7 9	14 5	4 30	3 31	0 57	0 57	1 0	15 22	1 10	21 5	0 54	18 12	2 11	16 9	0 44	M 4
T 5	6 47	17 21	3 51	2 44	0 51	1 28	0 58	15 10	1 11	21 6	0 54	18 12	2 11	16 10	0 44	T 5
W 6	6 24	19 47	3 3	1 58	0 45	1 59	0 56	14 57	1 11	21 6	0 54	18 12	2 12	16 11	0 44	W 6
T 7	6 2	21 19	2 7	1 12	0 38	2 30	0 54	14 45	1 11	21 7	0 54	18 12	2 12	16 11	0 44	T 7
F 8	5 40	21 53	1 7	0 26	0 31	3 1	0 52	14 32	1 11	21 8	0 54	18 12	2 12	16 12	0 44	F 8
S 9	5 17	21 28	0 4	0s19	0 24	3 32	0 50	14 20	1 11	21 8	0 54	18 12	2 12	16 12	0 44	S 9
S 10	4 54	20 5	1s 0	1 5	0 17	4 2	0 48	14 7	1 12	21 9	0 54	18 12	2 12	16 13	0 44	S 10
M11	4 31	17 48	2 1	1 49	0 10	4 33	0 46	13 55	1 12	21 9	0 54	18 11	2 13	16 14	0 44	M11
T 12	4 9	14 42	2 57	2 34	0 3	5 4	0 43	13 42	1 12	21 9	0 54	18 11	2 13	16 14	0 44	T 12
W13	3 46	10 55	3 47	3 18	0s 5	5 34	0 41	13 29	1 12	21 10	0 54	18 11	2 13	16 15	0 44	W13
T 14	3 23	6 36	4 26	4 1	0 13	6 4	0 39	13 16	1 12	21 10	0 54	18 11	2 13	16 15	0 44	T 14
F 15	3 0	1 55	4 52	4 44	0 20	6 35	0 36	13 3	1 12	21 11	0 55	18 11	2 13	16 16	0 44	F 15
S 16	2 37	2n56	5 4	5 27	0 28	7 5	0 34	12 50	1 13	21 11	0 55	18 10	2 13	16 16	0 44	S 16
S 17	2 13	7 44	4 59	6 8	0 36	7 35	0 31	12 37	1 13	21 11	0 55	18 10	2 14	16 17	0 44	S 17
M18	1 50	12 14	4 39	6 50	0 43	8 5	0 29	12 23	1 13	21 11	0 55	18 10	2 14	16 17	0 44	M18
T 19	1 27	16 10	4 2	7 30	0 51	8 34	0 26	12 10	1 13	21 12	0 55	18 10	2 14	16 18	0 44	T 19
W20	1 4	19 16	3 11	8 11	0 59	9 4	0 23	11 57	1 13	21 12	0 55	18 9	2 14	16 18	0 44	W20
T 21	0 40	21 17	2 8	8 50	1 7	9 33	0 21	11 43	1 13	21 12	0 55	18 9	2 14	16 19	0 44	T 21
F 22	0 17	22 0	0 56	9 29	1 14	10 2	0 18	11 30	1 14	21 12	0 55	18 9	2 15	16 19	0 44	F 22
S 23	0s 6	21 18	0n19	10 7	1 22	10 31	0 15	11 16	1 14	21 12	0 55	18 8	2 15	16 20	0 44	S 23
S 24	0 30	19 12	1 34	10 44	1 30	11 0	0 13	11 3	1 14	21 12	0 55	18 8	2 15	16 20	0 44	S 24
M25	0 53	15 53	2 43	11 20	1 37	11 28	0 10	10 49	1 14	21 12	0 55	18 7	2 15	16 21	0 44	M25
T 26	1 16	11 37	3 41	11 56	1 45	11 56	0 7	10 35	1 14	21 12	0 55	18 7	2 15	16 21	0 44	T 26
W27	1 40	6 43	4 25	12 31	1 52	12 24	0 4	10 21	1 14	21 12	0 55	18 6	2 15	16 21	0 44	W27
T 28	2 3	1 32	4 52	13 5	1 59	12 52	0 1	10 7	1 14	21 12	0 56	18 6	2 16	16 22	0 44	T 28
F 29	2 27	3s37	5 2	13 38	2 6	13 19	0s 2	9 54	1 15	21 12	0 56	18 5	2 16	16 22	0 44	F 29
S 30	2s50	8s29	4n54	14s10	2s13	13s46	0s 5	9n40	1n15	21n12	0s56	18n 5	2s16	16s23	0s44	S 30

Julian Day Number = 2451788.5, Delta T = 64.01 sec

Ecliptic obliquity = 23°26'18, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°44'59, Lahiri = 23°51'59

ASTRODIENST EPHEMERIS for the year 2000
geocentric

OCTOBER 2000

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	0 40 7	8♌7°03	17♍52	2♊57	7♋46	8♌48	11°R14	0°R40	17°R10	3°R51	10♌37	21°R10	20♎33	23♏48	12♐54	S 1
M 2	0 44 4	9° 6'05	0♌37	4° 7	8°59	9°26	11♌13	0♌38	17°R9	3°R50	10°38	21♎2	20°30	23°55	12°58	M 2
T 3	0 48 1	10° 5'09	13° 1	5°14	10°12	10° 3	11°13	0°36	17° 7	3°50	10°39	20°57	20°27	24° 2	13° 3	T 3
W 4	0 51 57	11° 4'14	25° 9	6°20	11°26	10°41	11°12	0°34	17° 6	3°50	10°41	20°54	20°24	24° 8	13° 7	W 4
T 5	0 55 54	12° 3'21	7♌5	7°23	12°39	11°18	11°11	0°32	17° 5	3°49	10°42	20°53	20°21	24°15	13°12	T 5
F 6	0 59 50	13° 2'30	18°55	8°24	13°52	11°56	11°10	0°29	17° 4	3°49	10°44	20°53	20°18	24°21	13°17	F 6
S 7	1 3 47	14° 1'41	0♌43	9°23	15° 5	12°33	11° 8	0°27	17° 3	3°49	10°45	20°53	20°14	24°28	13°21	S 7
S 8	1 7 43	15° 0'54	12°35	10°18	16°18	13°11	11° 7	0°24	17° 2	3°48	10°47	20°52	20°11	24°35	13°26	S 8
M 9	1 11 40	16° 0'08	24°37	11°11	17°31	13°48	11° 5	0°21	17° 1	3°48	10°48	20°48	20° 8	24°41	13°31	M 9
T 10	1 15 36	16°59'24	6♌52	12° 0	18°44	14°26	11° 3	0°19	17° 1	3°48	10°50	20°41	20° 5	24°48	13°36	T 10
W 11	1 19 33	17°58'42	19°24	12°45	19°57	15° 3	11° 1	0°16	17° 0	3°48	10°51	20°32	20° 2	24°55	13°41	W 11
T 12	1 23 29	18°58'02	2♌14	13°27	21°10	15°41	10°58	0°13	16°59	3°48	10°53	20°21	19°58	25° 1	13°46	T 12
F 13	1 27 26	19°57'24	15°23	14° 4	22°23	16°18	10°56	0°10	16°58	3°48	10°54	20° 8	19°55	25° 8	13°51	F 13
S 14	1 31 23	20°56'48	28°49	14°36	23°36	16°56	10°53	0° 7	16°58	3°47	10°56	19°55	19°52	25°15	13°56	S 14
S 15	1 35 19	21°56'14	12♌29	15° 3	24°49	17°33	10°50	0° 3	16°57	3°47	10°58	19°43	19°49	25°21	14° 1	S 15
M 16	1 39 16	22°55'42	26°20	15°24	26° 2	18°10	10°47	0° 0	16°57	3°D47	10°59	19°33	19°46	25°28	14° 7	M 16
T 17	1 43 12	23°55'12	10♌19	15°39	27°15	18°48	10°44	29♌57	16°56	3°47	11° 1	19°27	19°43	25°35	14°12	T 17
W 18	1 47 9	24°54'45	24°22	15°47	28°28	19°25	10°40	29°53	16°56	3°48	11° 3	19°22	19°39	25°41	14°17	W 18
T 19	1 51 5	25°54'20	8♌27	15°R47	29°41	20° 2	10°36	29°50	16°55	3°48	11° 5	19°21	19°36	25°48	14°23	T 19
F 20	1 55 2	26°53'57	22°32	15°40	0♌54	20°40	10°32	29°46	16°55	3°48	11° 6	19°21	19°33	25°55	14°28	F 20
S 21	1 58 58	27°53'37	6♌38	15°24	2° 7	21°17	10°28	29°42	16°55	3°48	11° 8	19°21	19°30	26° 1	14°34	S 21
S 22	2 2 55	28°53'19	20°42	15° 0	3°19	21°54	10°24	29°39	16°54	3°48	11°10	19°19	19°27	26° 8	14°40	S 22
M 23	2 6 52	29°53'03	4♌45	14°26	4°32	22°31	10°19	29°35	16°54	3°48	11°12	19°15	19°24	26°14	14°45	M 23
T 24	2 10 48	0♌52'49	18°43	13°44	5°45	23° 9	10°15	29°31	16°54	3°49	11°14	19° 9	19°20	26°21	14°51	T 24
W 25	2 14 45	1°52'38	2♌35	12°53	6°58	23°46	10°10	29°27	16°54	3°49	11°16	19° 0	19°17	26°28	14°57	W 25
T 26	2 18 41	2°52'28	16°18	11°54	8°10	24°23	10° 5	29°23	16°54	3°49	11°18	18°48	19°14	26°34	15° 3	T 26
F 27	2 22 38	3°52'21	29°47	10°49	9°23	25° 0	10° 0	29°19	16°D54	3°50	11°19	18°36	19°11	26°41	15° 8	F 27
S 28	2 26 34	4°52'16	13♌0	9°37	10°36	25°37	9°54	29°14	16°54	3°50	11°21	18°23	19° 8	26°48	15°14	S 28
S 29	2 30 31	5°52'12	25°56	8°22	11°48	26°15	9°49	29°10	16°54	3°50	11°23	18°12	19° 4	26°54	15°20	S 29
M 30	2 34 27	6°52'11	8♌33	7° 4	13° 1	26°52	9°43	29° 6	16°54	3°51	11°25	18° 4	19° 1	27° 1	15°26	M 30
T 31	2 38 24	7♌52'11	20♌54	5♌48	14♌13	27♌29	9♌37	29♌2	16°R54	3°R51	11♌27	17°R58	18°R58	27♌8	15♌32	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
S 1	3s13	12s50	4n30	14s41	2s20	14s13	0s 7	9n26	1n15	21n12	0s56	18n 4	2s16	16s23	0s44	19s 6	0n12	11s33	10n36	21n46	21n52	21s38	17s21	5n 2	
M 2	3 36	16 28	3 53	15 11	2 27	14 39	0 10	9 12	1 15	21 12	0 56	18 4	2 16	16 23	0 44	19 6	0 12	11 33	10 35	21 48	21 52	21 37	17 22	5 1	
T 3	4 0	19 17	3 6	15 40	2 33	15 5	0 13	8 57	1 15	21 12	0 56	18 3	2 16	16 24	0 44	19 6	0 12	11 34	10 35	21 48	21 53	21 37	17 23	5 1	
W 4	4 23	21 9	2 12	16 8	2 39	15 31	0 16	8 43	1 15	21 12	0 56	18 3	2 16	16 24	0 43	19 6	0 12	11 34	10 35	21 49	21 53	21 37	17 24	5 1	
T 5	4 46	22 2	1 13	16 34	2 45	15 56	0 19	8 29	1 15	21 12	0 56	18 2	2 17	16 24	0 43	19 6	0 12	11 35	10 34	21 49	21 54	21 37	17 25	5 1	
F 6	5 9	21 56	0 11	16 59	2 50	16 21	0 22	8 15	1 16	21 11	0 56	18 1	2 17	16 25	0 43	19 7	0 12	11 35	10 34	21 49	21 54	21 36	17 25	5 0	
S 7	5 32	20 50	0s52	17 23	2 55	16 46	0 25	8 1	1 16	21 11	0 56	18 1	2 17	16 25	0 43	19 7	0 12	11 36	10 33	21 49	21 55	21 36	17 26	5 0	
S 8	5 55	18 49	1 52	17 46	3 0	17 10	0 28	7 46	1 16	21 11	0 56	18 0	2 17	16 25	0 43	19 7	0 12	11 37	10 33	21 49	21 55	21 36	17 27	5 0	
M 9	6 18	15 58	2 48	18 6	3 4	17 34	0 31	7 32	1 16	21 11	0 56	17 59	2 17	16 25	0 43	19 7	0 12	11 37	10 33	21 50	21 56	21 35	17 28	5 0	
T 10	6 40	12 21	3 38	18 25	3 8	17 57	0 34	7 18	1 16	21 10	0 56	17 59	2 17	16 26	0 43	19 7	0 12	11 38	10 32	21 51	21 56	21 35	17 29	4 59	
W 11	7 3	8 9	4 18	18 42	3 12	18 20	0 38	7 3	1 16	21 10	0 56	17 58	2 17	16 26	0 43	19 7	0 12	11 38	10 32	21 52	21 57	21 35	17 29	4 59	
T 12	7 26	3 29	4 46	18 58	3 14	18 42	0 41	6 49	1 16	21 9	0 56	17 57	2 18	16 26	0 43	19 7	0 12	11 39	10 32	21 54	21 57	21 34	17 30	4 59	
F 13	7 48	1n27	4 59	19 11	3 16	19 4	0 44	6 35	1 16	21 9	0 56	17 56	2 18	16 26	0 43	19 7	0 11	11 39	10 31	21 56	21 58	21 34	17 31	4 59	
S 14	8 11	6 26	4 57	19 22	3 17	19 26	0 47	6 20	1 16	21 9	0 56	17 56	2 18	16 26	0 43	19 7	0 11	11 40	10 31	21 58	21 58	21 34	17 32	4 58	
S 15	8 33	11 11	4 37	19 30	3 18	19 46	0 50	6 6	1 17	21 8	0 56	17 55	2 18	16 26	0 43	19 7	0 11	11 41	10 30	21 59	21 59	21 33	17 33	4 58	
M 16	8 55	15 25	4 1	19 36	3 17	20 7	0 53	5 51	1 17	21 8	0 57	17 54	2 18	16 27	0 43	19 7	0 11	11 41	10 30	22 1	21 59	21 33	17 34	4 58	
T 17	9 17	18 51	3 11	19 38	3 16	20 27	0 56	5 37	1 17	21 7	0 57	17 53	2 18	16 27	0 43	19 7	0 11	11 42	10 30	22 2	21 59	21 33	17 34	4 58	
W 18	9 39	21 11	2 8	19 38	3 13	20 46	0 58	5 22	1 17	21 7	0 57	17 52	2 18	16 27	0 43	19 7	0 11	11 42	10 29	22 2	22 0	21 32	17 35	4 58	
T 19	10 0	22 13	0 57	19 35	3 9	21 5	1 1	5 7	1 17	21 6	0 57	17 52	2 18	16 27	0 43	19 7	0 11	11 43	10 29	22 3	22 0	21 32	17 36	4 57	
F 20	10 22	21 50	0n17	19 27	3 3	21 23	1 4	4 53	1 17	21 6	0 57	17 51	2 18	16 27	0 43	19 7	0 11	11 43	10 29	22 3	22 1	21 32	17 37	4 57	
S 21	10 43	20 4	1 30	19 16	2 57	21 41	1 7	4 38	1 17	21 5	0 57	17 50	2 18	16 27	0 43	19 7	0 11	11 44	10 28	22 3	22 1	21 31	17 38	4 57	
S 22	11 5	17 5	2 38	19 1	2 48	21 58	1 10	4 24	1 17	21 4	0 57	17 49	2 19	16 27	0 43	19 7	0 11	11 44	10 28	22 3	22 2	21 31	17 38	4 57	
M 23	11 26	13 7	3 36	18 41	2 38	22 15	1 13	4 9	1 17	21 4	0 57	17 48	2 19	16 27	0 43	19 7	0 11	11 45	10 28	22 3	22 2	21 30	17 39	4 57	
T 24	11 47	8 27	4 20	18 17	2 26	22 30	1 16	3 54	1 17	21 3	0 57	17 47	2 19	16 27	0 43	19 7	0 11	11 46	10 28	22 4	22 3	21 30	17 40	4 57	
W 25	12 8	3 23	4 49	17 48	2 12	22 46	1 19	3 40	1 17	21 2	0 57	17 46	2 19	16 27	0 43	19 7	0 11	11 46	10 27	22 6	22 3	21 30	17 41	4 56	
T 26	12 28	1s47	5 1	17 16	1 57	23 0	1 21	3 25	1 17	21 1	0 57	17 45	2 19	16 27	0 43	19 7	0 11	11 47	10 27	22 7	22 4	21 29	17 41	4 56	
F 27	12 48	6 47	4 56	16 39	1 40	23 15	1 24	3 10	1 18	21 1	0 57	17 44	2 19	16 27	0 43	19 7	0 11	11 47	10 27	22 9	22 4	21 29	17 42	4 56	
S 28	13 9	11 23	4 34	15 59	1 21	23 28	1 27	2 56	1 18	21 0	0 57	17 44	2 19	16 27	0 43	19 7	0 11	11 48	10 26	22 11	22 4	21 28	17 43	4 56	
S 29	13 29	15 22	3 59	15 16	1 2	23 41	1 29	2 41	1 18	20 59	0 57	17 43	2 19	16 27	0 43	19 7	0 11	11 48	10 26	22 12	22 5	21 28	17 44	4 56	
M 30	13 48	18 33	3 13	14 32	0 42	23 53	1 32	2 26	1 18	20 58	0 57	17 42	2 19	16 27	0 43	19 7	0 11	11 49	10 26	22 13	22 5	21 27	17 45	4 56	
T 31	14s 8	20s49	2n18	13s47	0s21	24s 4	1s35	2n12	1n18	20n57	0s57	17n41	2s19	16s27	0s43	19s 6	0n11	11s49	10n25	22n14	22n 6	21s27	17s45	4n56	

ASTRODIENST EPHEMERIS for the year 2000
geocentric

NOVEMBER 2000

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 42 21	8♌52°13	3♊ 0	4♈R34	15♊26	28♏ 6	9♈R31	28♈R57	16♌54	3♏52	11♊29	17♈R54	18♌55	27♊14	15♊39	W 1
T 2	2 46 17	9°52'17	14°54	3♌26	16°38	28°43	9♏25	28♌53	16°55	3°53	11°31	17°D53	18°52	27°21	15°45	T 2
F 3	2 50 14	10°52'22	26°43	2°25	17°51	29°20	9°19	28°48	16°55	3°53	11°33	17°53	18°49	27°28	15°51	F 3
S 4	2 54 10	11°52'29	8♏31	1°33	19° 3	29°57	9°12	28°44	16°56	3°54	11°36	17°R54	18°45	27°34	15°57	S 4
S 5	2 58 7	12°52'37	20°23	0°52	20°16	0♌34	9° 6	28°39	16°56	3°54	11°38	17°54	18°42	27°41	16° 4	S 5
M 6	3 2 3	13°52'47	2♊25	0°22	21°28	1°11	8°59	28°34	16°56	3°55	11°40	17°52	18°39	27°47	16°10	M 6
T 7	3 6 0	14°52'58	14°42	0° 3	22°40	1°48	8°52	28°30	16°57	3°56	11°42	17°48	18°36	27°54	16°16	T 7
W 8	3 9 56	15°53'11	27°19	29°D56	23°53	2°25	8°45	28°25	16°58	3°57	11°44	17°41	18°33	28° 1	16°23	W 8
T 9	3 13 53	16°53'26	10♏17	0° 1	25° 5	3° 2	8°38	28°20	16°58	3°57	11°46	17°32	18°29	28° 7	16°29	T 9
F 10	3 17 50	17°53'42	23°38	0°16	26°17	3°38	8°31	28°16	16°59	3°58	11°48	17°22	18°26	28°14	16°35	F 10
S 11	3 21 46	18°53'59	7♊22	0°41	27°29	4°15	8°24	28°11	17° 0	3°59	11°50	17°12	18°23	28°21	16°42	S 11
S 12	3 25 43	19°54'19	21°25	1°15	28°41	4°52	8°17	28° 6	17° 1	4° 0	11°53	17° 3	18°20	28°27	16°48	S 12
M13	3 29 39	20°54'40	5♏42	1°58	29°53	5°29	8° 9	28° 1	17° 1	4° 1	11°55	16°55	18°17	28°34	16°55	M13
T 14	3 33 36	21°55'03	20° 8	2°47	1♊ 5	6° 6	8° 2	27°56	17° 2	4° 2	11°57	16°50	18°14	28°41	17° 2	T 14
W15	3 37 32	22°55'27	4♌37	3°43	2°17	6°42	7°54	27°52	17° 3	4° 3	11°59	16°47	18°10	28°47	17° 8	W15
T 16	3 41 29	23°55'54	19° 3	4°45	3°29	7°19	7°46	27°47	17° 4	4° 4	12° 2	16°D46	18° 7	28°54	17°15	T 16
F 17	3 45 25	24°56'22	3♏23	5°52	4°41	7°56	7°39	27°42	17° 5	4° 5	12° 4	16°47	18° 4	29° 1	17°22	F 17
S 18	3 49 22	25°56'53	17°34	7° 3	5°53	8°33	7°31	27°37	17° 6	4° 6	12° 6	16°48	18° 1	29° 7	17°28	S 18
S 19	3 53 19	26°57'25	1♏36	8°17	7° 4	9° 9	7°23	27°32	17° 8	4° 7	12° 8	16°R48	17°58	29°14	17°35	S 19
M20	3 57 15	27°57'58	15°26	9°35	8°16	9°46	7°15	27°27	17° 9	4° 8	12°11	16°47	17°55	29°21	17°42	M20
T 21	4 1 12	28°58'34	29° 6	10°55	9°28	10°23	7° 7	27°22	17°10	4°10	12°13	16°43	17°51	29°27	17°49	T 21
W22	4 5 8	29°59'11	12♌35	12°18	10°39	10°59	6°59	27°17	17°11	4°11	12°15	16°37	17°48	29°34	17°55	W22
T 23	4 9 5	0♌59°50	25°52	13°42	11°51	11°36	6°51	27°12	17°13	4°12	12°17	16°30	17°45	29°40	18° 2	T 23
F 24	4 13 1	2° 0'31	8♌56	15° 8	13° 2	12°12	6°43	27° 8	17°14	4°13	12°20	16°22	17°42	29°47	18° 9	F 24
S 25	4 16 58	3° 1'13	21°48	16°36	14°14	12°49	6°34	27° 3	17°16	4°15	12°22	16°13	17°39	29°54	18°16	S 25
S 26	4 20 54	4° 1'56	4♊25	18° 4	15°25	13°25	6°26	26°58	17°17	4°16	12°24	16° 6	17°35	0♌ 0	18°23	S 26
M27	4 24 51	5° 2'41	16°49	19°34	16°36	14° 2	6°18	26°53	17°19	4°17	12°27	16° 1	17°32	0° 7	18°30	M27
T 28	4 28 48	6° 3'27	29° 1	21° 4	17°47	14°38	6°10	26°48	17°20	4°19	12°29	15°57	17°29	0°14	18°37	T 28
W29	4 32 44	7° 4'15	11♊ 2	22°34	18°58	15°15	6° 2	26°43	17°22	4°20	12°31	15°D55	17°26	0°20	18°43	W29
T 30	4 36 41	8♊ 5'03	22♊54	24♌ 6	20♊ 9	15♌51	5♏53	26♊39	17♌24	4♌21	12♊33	15♌55	17♌23	0♌27	18♊50	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	14s27	22s 6	1n19	13s 3	0s 0	24s15	1s37	1n57	1n18	20n57	0s57	17n40	2s19	16s27	0s43	19s 6	0n11	11s50	10n25	22n14	22n 6	21s27	17s46	4n55	
T 2	14 46	22 20	0 16	12 21	0n20	24 25	1 40	1 42	1 18	20 56	0 57	17 39	2 19	16 27	0 43	19 6	0 11	11 50	10 25	22 15	22 7	21 26	17 47	4 55	
F 3	15 5	21 35	0s47	11 42	0 39	24 35	1 42	1 28	1 18	20 55	0 57	17 38	2 19	16 26	0 43	19 6	0 11	11 51	10 25	22 15	22 7	21 26	17 48	4 55	
S 4	15 24	19 52	1 48	11 8	0 57	24 43	1 44	1 13	1 18	20 54	0 57	17 37	2 19	16 26	0 43	19 6	0 11	11 51	10 24	22 14	22 8	21 25	17 48	4 55	
S 5	15 42	17 17	2 44	10 38	1 13	24 51	1 47	0 58	1 18	20 53	0 57	17 36	2 19	16 26	0 42	19 6	0 11	11 52	10 24	22 15	22 8	21 25	17 49	4 55	
M 6	16 0	13 57	3 35	10 14	1 28	24 59	1 49	0 44	1 18	20 52	0 57	17 35	2 19	16 26	0 42	19 6	0 11	11 52	10 24	22 15	22 8	21 24	17 50	4 55	
T 7	16 18	9 57	4 16	9 56	1 40	25 5	1 51	0 29	1 18	20 51	0 57	17 34	2 19	16 26	0 42	19 5	0 11	11 53	10 24	22 15	22 9	21 24	17 51	4 55	
W 8	16 36	5 26	4 46	9 43	1 51	25 11	1 53	0 14	1 18	20 50	0 57	17 33	2 19	16 26	0 42	19 5	0 11	11 53	10 23	22 16	22 9	21 23	17 51	4 55	
T 9	16 53	0 34	5 2	9 36	2 0	25 16	1 55	0s 0	1 18	20 49	0 57	17 32	2 19	16 25	0 42	19 5	0 11	11 54	10 23	22 17	22 10	21 23	17 52	4 55	
F 10	17 10	4n29	5 3	9 35	2 7	25 21	1 58	0 15	1 18	20 48	0 57	17 30	2 19	16 25	0 42	19 5	0 11	11 54	10 23	22 19	22 10	21 22	17 53	4 55	
S 11	17 27	9 27	4 46	9 38	2 13	25 24	1 59	0 30	1 18	20 47	0 56	17 29	2 19	16 25	0 42	19 5	0 11	11 55	10 23	22 20	22 11	21 22	17 53	4 55	
S 12	17 43	14 3	4 12	9 46	2 17	25 27	2 1	0 44	1 18	20 45	0 56	17 28	2 19	16 24	0 42	19 5	0 11	11 55	10 23	22 21	22 11	21 21	17 54	4 54	
M13	17 59	17 57	3 22	9 59	2 19	25 29	2 3	0 59	1 18	20 44	0 56	17 27	2 19	16 24	0 42	19 4	0 11	11 56	10 22	22 22	22 11	21 21	17 55	4 54	
T 14	18 15	20 47	2 18	10 15	2 20	25 31	2 5	1 13	1 18	20 43	0 56	17 26	2 19	16 24	0 42	19 4	0 11	11 56	10 22	22 23	22 12	21 20	17 55	4 54	
W15	18 30	22 17	1 5	10 33	2 20	25 32	2 7	1 28	1 18	20 42	0 56	17 25	2 19	16 24	0 42	19 4	0 11	11 57	10 22	22 23	22 12	21 20	17 56	4 54	
T 16	18 45	22 17	0n12	10 55	2 19	25 32	2 8	1 42	1 18	20 41	0 56	17 24	2 19	16 23	0 42	19 4	0 11	11 57	10 22	22 23	22 13	21 19	17 57	4 54	
F 17	19 0	20 50	1 28	11 19	2 17	25 31	2 10	1 57	1 18	20 40	0 56	17 23	2 19	16 23	0 42	19 3	0 11	11 58	10 22	22 23	22 13	21 19	17 57	4 54	
S 18	19 15	18 4	2 38	11 45	2 15	25 29	2 11	2 11	1 18	20 39	0 56	17 22	2 19	16 23	0 42	19 3	0 11	11 58	10 21	22 23	22 14	21 18	17 58	4 54	
S 19	19 29	14 18	3 38	12 12	2 11	25 27	2 13	2 26	1 18	20 37	0 56	17 21	2 19	16 22	0 42	19 3	0 11	11 59	10 21	22 23	22 14	21 18	17 59	4 54	
M20	19 42	9 47	4 24	12 40	2 7	25 24	2 14	2 40	1 19	20 36	0 56	17 20	2 19	16 22	0 42	19 3	0 11	11 59	10 21	22 23	22 14	21 17	17 59	4 54	
T 21	19 56	4 51	4 54	13 10	2 2	25 21	2 15	2 54	1 19	20 35	0 56	17 19	2 19	16 21	0 42	19 2	0 11	12 0	10 21	22 24	22 15	21 17	18 0	4 54	
W22	20 9	0s15	5 7	13 40	1 57	25 16	2 16	3 9	1 19	20 34	0 56	17 18	2 19	16 21	0 42	19 2	0 11	12 0	10 21	22 24	22 15	21 16	18 0	4 54	
T 23	20 21	5 16	5 4	14 10	1 52	25 11	2 17	3 23	1 19	20 32	0 56	17 17	2 19	16 20	0 42	19 2	0 11	12 0	10 21	22 25	22 16	21 16	18 1	4 54	
F 24	20 34	9 58	4 45	14 41	1 46	25 5	2 18	3 37	1 18	20 31	0 55	17 16	2 19	16 20	0 42	19 2	0 11	12 1	10 20	22 26	22 16	21 15	18 1	4 54	
S 25	20 46	14 10	4 11	15 12	1 40	24 59	2 19	3 51	1 18	20 30	0 55	17 15	2 18	16 20	0 42	19 1	0 11	12 1	10 20	22 27	22 16	21 14	18 2	4 54	
S 26	20 57	17 39	3 26	15 43	1 33	24 52	2 20	4 6	1 18	20 29	0 55	17 14	2 18	16 19	0 42	19 1	0 11	12 2	10 20	22 28	22 17	21 14	18 3	4 54	
M27	21 8	20 16	2 32	16 14	1 27	24 44	2 20	4 20	1 18	20 27	0 55	17 13	2 18	16 19	0 42	19 1	0 11	12 2	10 20	22 29	22 17	21 13	18 3	4 54	
T 28	21 19	21 55	1 31	16 44	1 20	24 35	2 21	4 34	1 18	20 26	0 55	17 12	2 18	16 18	0 42	19 0	0 11	12 3	10 20	22 29	22 18	21 13	18 4	4 54	
W29	21 29	22 32	0 27	17 14	1 13	24 26	2 21	4 48	1 18	20 25	0 55	17 11	2 18	16 17	0 42	19 0	0 11	12 3	10 20	22 29	22 18	21 12	18 4	4 54	
T 30	21s39	22s 7	0s38	17s43	1n 6	24s15	2s22	5s 2	1n18	20n23	0s55	17n10	2s18	16s17	0s42	19s 0	0n11	12s 3	10n20	22n29	22n19	21s12	18s 5	4n54	

ASTRODIENST EPHEMERIS for the year 2000

geocentric

DECEMBER 2000

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 40 37	9♂ 5'53	4♂41	25♂37	21♂20	16♂27	5°R45	26°R34	17♂25	4♂23	12♂36	15♂57	17♂20	0♂34	18♂57	F 1
S 2	4 44 34	10° 6'43	16°28	27° 9	22°31	17° 4	5♂37	26♂29	17°27	4°24	12°38	15°59	17°16	0°40	19° 4	S 2
S 3	4 48 30	11° 7'34	28°19	28°41	23°42	17°40	5°29	26°25	17°29	4°26	12°40	16° 0	17°13	0°47	19°11	S 3
M 4	4 52 27	12° 8'26	10♂19	0♂14	24°53	18°16	5°21	26°20	17°31	4°27	12°43	16°R 1	17°10	0°54	19°18	M 4
T 5	4 56 23	13° 9'19	22°34	1°46	26° 3	18°52	5°13	26°15	17°33	4°29	12°45	16° 0	17° 7	1° 0	19°25	T 5
W 6	5 0 20	14°10'13	5♂ 7	3°19	27°14	19°29	5° 5	26°11	17°35	4°31	12°47	15°59	17° 4	1° 7	19°32	W 6
T 7	5 4 17	15°11'07	18° 4	4°52	28°24	20° 5	4°57	26° 6	17°37	4°32	12°50	15°55	17° 1	1°14	19°39	T 7
F 8	5 8 13	16°12'03	1♂27	6°25	29°34	20°41	4°49	26° 2	17°39	4°34	12°52	15°51	16°57	1°20	19°46	F 8
S 9	5 12 10	17°12'59	15°16	7°58	0♂44	21°17	4°41	25°58	17°41	4°36	12°54	15°46	16°54	1°27	19°53	S 9
S 10	5 16 6	18°13'55	29°30	9°31	1°54	21°53	4°33	25°53	17°43	4°37	12°57	15°42	16°51	1°34	20° 0	S 10
M 11	5 20 3	19°14'53	14♂ 4	11° 4	3° 4	22°29	4°26	25°49	17°45	4°39	12°59	15°39	16°48	1°40	20° 7	M 11
T 12	5 23 59	20°15'51	28°53	12°38	4°14	23° 5	4°18	25°45	17°47	4°41	13° 1	15°36	16°45	1°47	20°14	T 12
W 13	5 27 56	21°16'51	13♂48	14°11	5°24	23°41	4°11	25°41	17°49	4°42	13° 4	15°D36	16°41	1°53	20°21	W 13
T 14	5 31 53	22°17'51	28°41	15°45	6°33	24°17	4° 3	25°36	17°52	4°44	13° 6	15°36	16°38	2° 0	20°28	T 14
F 15	5 35 49	23°18'52	13♂25	17°18	7°43	24°53	3°56	25°32	17°54	4°46	13° 8	15°37	16°35	2° 7	20°35	F 15
S 16	5 39 46	24°19'54	27°55	18°52	8°52	25°29	3°49	25°28	17°56	4°48	13°11	15°39	16°32	2°13	20°42	S 16
S 17	5 43 42	25°20'57	12♂ 7	20°26	10° 1	26° 4	3°42	25°24	17°59	4°50	13°13	15°40	16°29	2°20	20°49	S 17
M 18	5 47 39	26°22'01	26° 0	22° 0	11°10	26°40	3°35	25°21	18° 1	4°52	13°15	15°R40	16°26	2°27	20°56	M 18
T 19	5 51 35	27°23'06	9♂34	23°34	12°19	27°16	3°28	25°17	18° 4	4°53	13°17	15°40	16°22	2°33	21° 3	T 19
W 20	5 55 32	28°24'12	22°50	25° 8	13°28	27°52	3°21	25°13	18° 6	4°55	13°20	15°39	16°19	2°40	21°10	W 20
T 21	5 59 28	29°25'18	5♂49	26°43	14°36	28°27	3°14	25°10	18° 9	4°57	13°22	15°37	16°16	2°47	21°17	T 21
F 22	6 3 25	0♂26'26	18°33	28°17	15°44	29° 3	3° 8	25° 6	18°11	4°59	13°24	15°34	16°13	2°53	21°24	F 22
S 23	6 7 22	1°27'34	1♂ 4	29°52	16°53	29°38	3° 2	25° 3	18°14	5° 1	13°26	15°32	16°10	3° 0	21°31	S 23
S 24	6 11 18	2°28'42	13°23	1♂27	18° 1	0♂14	2°55	24°59	18°17	5° 3	13°29	15°30	16° 7	3° 7	21°37	S 24
M 25	6 15 15	3°29'51	25°32	3° 2	19° 9	0°49	2°49	24°56	18°19	5° 5	13°31	15°29	16° 3	3°13	21°44	M 25
T 26	6 19 11	4°31'01	7♂33	4°38	20°16	1°25	2°43	24°53	18°22	5° 7	13°33	15°28	16° 0	3°20	21°51	T 26
W 27	6 23 8	5°32'10	19°27	6°13	21°24	2° 0	2°38	24°50	18°25	5° 9	13°35	15°D28	15°57	3°27	21°58	W 27
T 28	6 27 4	6°33'20	1♂16	7°49	22°31	2°35	2°32	24°47	18°28	5°11	13°37	15°28	15°54	3°33	22° 5	T 28
F 29	6 31 1	7°34'30	13° 3	9°26	23°38	3°11	2°27	24°44	18°30	5°13	13°40	15°29	15°51	3°40	22°12	F 29
S 30	6 34 57	8°35'40	24°51	11° 2	24°45	3°46	2°21	24°41	18°33	5°15	13°42	15°30	15°47	3°47	22°18	S 30
S 31	6 38 54	9♂36'50	6♂43	12♂39	25♂52	4♂21	2♂16	24♂38	18♂36	5♂18	13♂44	15♂31	15♂44	3♂53	22♂25	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
F 1	21s49	20s43	1s41	18s12	0n59	24s 5	2s22	5s16	1n18	20n22	0s55	17n 9	2s18	16s16	0s42	18s59	0n11	12s 4	10n19	22n29	22n19	21s11	18s 5	4n55			
S 2	21 58	18 26	2 39	18 41	0 52	23 53	2 22	5 30	1 18	20 21	0 54	17 8	2 18	16 16	0 42	18 59	0 11	12 4	10 19	22 29	22 19	21 10	18 6	4 55			
S 3	22 7	15 21	3 31	19 8	0 45	23 41	2 22	5 44	1 18	20 20	0 54	17 7	2 18	16 15	0 42	18 59	0 11	12 4	10 19	22 29	22 20	21 10	18 6	4 55			
M 4	22 15	11 37	4 15	19 35	0 38	23 29	2 22	5 57	1 18	20 18	0 54	17 6	2 17	16 15	0 42	18 58	0 11	12 5	10 19	22 29	22 20	21 9	18 7	4 55			
T 5	22 23	7 21	4 48	20 1	0 31	23 15	2 22	6 11	1 18	20 17	0 54	17 5	2 17	16 14	0 42	18 58	0 11	12 5	10 19	22 29	22 21	21 9	18 7	4 55			
W 6	22 30	2 40	5 8	20 26	0 23	23 1	2 21	6 25	1 18	20 16	0 54	17 4	2 17	16 13	0 42	18 58	0 11	12 6	10 19	22 29	22 21	21 8	18 8	4 55			
T 7	22 37	2n16	5 13	20 50	0 16	22 47	2 21	6 39	1 18	20 15	0 54	17 4	2 17	16 13	0 41	18 57	0 11	12 6	10 19	22 29	22 21	21 7	18 8	4 55			
F 8	22 43	7 15	5 2	21 14	0 9	22 32	2 20	6 52	1 18	20 13	0 53	17 3	2 17	16 12	0 41	18 57	0 11	12 6	10 19	22 30	22 22	21 7	18 8	4 55			
S 9	22 49	12 3	4 33	21 36	0 2	22 16	2 20	7 6	1 18	20 12	0 53	17 2	2 17	16 11	0 41	18 57	0 11	12 7	10 19	22 30	22 22	21 6	18 9	4 55			
S 10	22 55	16 21	3 47	21 57	0s 5	22 0	2 19	7 19	1 18	20 11	0 53	17 1	2 17	16 11	0 41	18 56	0 11	12 7	10 19	22 31	22 23	21 5	18 9	4 55			
M 11	23 0	19 46	2 45	22 18	0 12	21 43	2 18	7 33	1 18	20 10	0 53	17 0	2 16	16 10	0 41	18 56	0 11	12 7	10 19	22 31	22 23	21 5	18 10	4 55			
T 12	23 5	21 55	1 31	22 37	0 18	21 25	2 17	7 46	1 18	20 8	0 53	16 59	2 16	16 9	0 41	18 55	0 10	12 8	10 19	22 32	22 23	21 4	18 10	4 56			
W 13	23 9	22 34	0 10	22 55	0 25	21 7	2 16	7 59	1 18	20 7	0 53	16 58	2 16	16 9	0 41	18 55	0 10	12 8	10 19	22 32	22 24	21 3	18 10	4 56			
T 14	23 13	21 36	1n12	23 12	0 32	20 49	2 15	8 13	1 18	20 6	0 52	16 58	2 16	16 8	0 41	18 55	0 10	12 8	10 19	22 32	22 24	21 3	18 11	4 56			
F 15	23 16	19 9	2 28	23 28	0 38	20 29	2 13	8 26	1 18	20 5	0 52	16 57	2 16	16 7	0 41	18 54	0 10	12 8	10 19	22 31	22 25	21 2	18 11	4 56			
S 16	23 19	15 32	3 33	23 42	0 44	20 10	2 12	8 39	1 17	20 4	0 52	16 56	2 15	16 6	0 41	18 54	0 10	12 9	10 19	22 31	22 25	21 1	18 11	4 56			
S 17	23 21	11 4	4 24	23 56	0 50	19 50	2 10	8 52	1 17	20 3	0 52	16 55	2 15	16 6	0 41	18 53	0 10	12 9	10 19	22 31	22 25	21 1	18 12	4 56			
M 18	23 23	6 9	4 58	24 8	0 56	19 29	2 9	9 5	1 17	20 1	0 52	16 55	2 15	16 5	0 41	18 53	0 10	12 9	10 19	22 31	22 26	21 0	18 12	4 57			
T 19	23 25	1 2	5 14	24 19	1 2	19 8	2 7	9 18	1 17	20 0	0 51	16 54	2 15	16 4	0 41	18 52	0 10	12 10	10 18	22 31	22 26	20 59	18 12	4 57			
W 20	23 26	4s 1	5 14	24 29	1 8	18 46	2 5	9 31	1 17	19 59	0 51	16 53	2 15	16 3	0 41	18 52	0 10	12 10	10 18	22 31	22 26	20 59	18 12	4 57			
T 21	23 26	8 47	4 57	24 37	1 13	18 24	2 3	9 43	1 17	19 58	0 51	16 53	2 14	16 3	0 41	18 52	0 10	12 10	10 18	22 32	22 27	20 58	18 13	4 57			
F 22	23 26	13 5	4 26	24 44	1 19	18 2	2 1	9 56	1 17	19 57	0 51	16 52	2 14	16 2	0 41	18 51	0 10	12 10	10 19	22 32	22 27	20 57	18 13	4 57			
S 23	23 26	16 45	3 42	24 50	1 24	17 39	1 58	10 9	1 17	19 56	0 51	16 51	2 14	16 1	0 41	18 51	0 10	12 11	10 19	22 32	22 28	20 56	18 13	4 58			
S 24	23 25	19 37	2 49	24 54	1 29	17 16	1 56	10 21	1 17	19 55	0 50	16 51	2 14	16 0	0 41	18 50	0 10	12 11	10 19	22 32	22 28	20 56	18 13	4 58			
M 25	23 24	21 33	1 48	24 57	1 33	16 52	1 53	10 34	1 17	19 54	0 50	16 50	2 14	15 59	0 41	18 50	0 10	12 11	10 19	22 32	22 28	20 55	18 13	4 58			
T 26	23 22	22 30	0 44	24 59	1 38	16 28	1 50	10 46	1 16	19 53	0 50	16 50	2 13	15 58	0 41	18 49	0 10	12 11	10 19	22 33	22 29	20 54	18 14	4 58			
W 27	23 19	22 24	0s22	24 59	1 42	16 4	1 47	10 59	1 16	19 52	0 50	16 49	2 13	15 58	0 41	18 49	0 10	12 11	10 19	22 33	22 29	20 54	18 14	4 58			
T 28	23 17	21 17	1 27	24 58	1 46	15 39	1 44	11 11	1 16	19 52	0 49	16 49	2 13	15 57	0 41	18 48	0 10	12 12	10 19	22 32	22 29	20 53	18 14	4 59			
F 29	23 13	19 15	2 27	24 55	1 49	15 14	1 41	11 23	1 16	19 51	0 49	16 48	2 13	15 56	0 41	18 48	0 10	12 12	10 19	22 32	22 30	20 52	18 14	4 59			
S 30	23 10	16 25	3 22	24 51	1 53	14 49	1 38	11 35	1 16	19 50	0 49	16 48	2 12	15 55	0 41	18 47	0 10	12 12	10 19	22 32	22 30	20 51	18 14	4 59			
S 31	23s 5	12s53	4s 8	24s45	1s56	14s23	1s35	11s47	1n16	19n49	0s49	16n47	2s12	15s54	0s41	18s47	0n10	12s12	10n19	22n32	22n31	20s51	18s14	4n59			