



Astrodienst Ephemeris Tables for the year 2001

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 2001

geocentric

JANUARY 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 42 51	10°38'00	18°42'	14°31'16	26°58'	4°11'56	2°11'	24°11'35	18°39'	5°20'	13°46'	15°31'	15°41'	4°0'	22°32'	M 1
T 2	6 46 47	11°39'10	0°54'	15°54'	28°4'	5°31'	2°11'	24°11'33	18°42'	5°22'	13°48'	15°31'	15°38'	4°7'	22°39'	T 2
W 3	6 50 44	12°40'19	13°23'	17°32'	29°10'	6°6'	2°2'	24°30'	18°45'	5°24'	13°50'	15°R31	15°35'	4°13'	22°45'	W 3
T 4	6 54 40	13°41'28	26°13'	19°10'	0°16'	6°41'	1°58'	24°28'	18°48'	5°26'	13°52'	15°31'	15°32'	4°20'	22°52'	T 4
F 5	6 58 37	14°42'37	9°27'	20°48'	1°21'	7°16'	1°54'	24°26'	18°51'	5°28'	13°54'	15°31'	15°28'	4°26'	22°59'	F 5
S 6	7 2 33	15°43'46	23°8'	22°27'	2°26'	7°51'	1°50'	24°24'	18°54'	5°30'	13°57'	15°D31	15°25'	4°33'	23°5'	S 6
S 7	7 6 30	16°44'54	7°11'	24°6'	3°31'	8°26'	1°46'	24°22'	18°57'	5°33'	13°59'	15°31'	15°22'	4°40'	23°12'	S 7
M 8	7 10 26	17°46'02	21°52'	25°45'	4°36'	9°1'	1°42'	24°20'	19°0'	5°35'	14°1'	15°32'	15°19'	4°46'	23°18'	M 8
T 9	7 14 23	18°47'10	6°47'	27°25'	5°40'	9°35'	1°39'	24°18'	19°3'	5°37'	14°3'	15°32'	15°16'	4°53'	23°25'	T 9
W10	7 18 20	19°48'17	21°56'	29°4'	6°44'	10°10'	1°36'	24°16'	19°6'	5°39'	14°5'	15°R32	15°13'	5°0'	23°31'	W10
T 11	7 22 16	20°49'24	7°8'	0°44'	7°47'	10°44'	1°32'	24°15'	19°9'	5°41'	14°7'	15°31'	15°9'	5°6'	23°38'	T 11
F 12	7 26 13	21°50'31	22°16'	2°24'	8°51'	11°19'	1°30'	24°13'	19°13'	5°44'	14°9'	15°31'	15°6'	5°13'	23°44'	F 12
S 13	7 30 9	22°51'38	7°11'	4°4'	9°54'	11°53'	1°27'	24°12'	19°16'	5°46'	14°10'	15°30'	15°3'	5°20'	23°51'	S 13
S 14	7 34 6	23°52'44	21°40'	5°43'	10°56'	12°28'	1°25'	24°10'	19°19'	5°48'	14°12'	15°29'	15°0'	5°26'	23°57'	S 14
M15	7 38 2	24°53'50	5°47'	7°23'	11°58'	13°2'	1°22'	24°9'	19°22'	5°50'	14°14'	15°28'	14°57'	5°33'	24°3'	M15
T 16	7 41 59	25°54'56	19°27'	9°2'	13°0'	13°36'	1°20'	24°8'	19°25'	5°52'	14°16'	15°28'	14°53'	5°40'	24°9'	T 16
W17	7 45 55	26°56'02	2°14'	10°40'	14°2'	14°11'	1°18'	24°7'	19°29'	5°55'	14°18'	15°D28	14°50'	5°46'	24°16'	W17
T 18	7 49 52	27°57'08	15°35'	12°18'	15°3'	14°45'	1°17'	24°6'	19°32'	5°57'	14°20'	15°28'	14°47'	5°53'	24°22'	T 18
F 19	7 53 49	28°58'13	28°9'	13°55'	16°3'	15°19'	1°15'	24°6'	19°35'	5°59'	14°22'	15°29'	14°44'	6°0'	24°28'	F 19
S 20	7 57 45	29°59'19	10°27'	15°30'	17°3'	15°53'	1°14'	24°5'	19°39'	6°2'	14°23'	15°31'	14°41'	6°6'	24°34'	S 20
S 21	8 1 42	1°0'23	22°33'	17°4'	18°3'	16°27'	1°13'	24°4'	19°42'	6°4'	14°25'	15°32'	14°38'	6°13'	24°40'	S 21
M22	8 5 38	2°1'28	4°30'	18°35'	19°2'	17°0'	1°12'	24°4'	19°45'	6°6'	14°27'	15°33'	14°34'	6°20'	24°46'	M22
T 23	8 9 35	3°2'31	16°22'	20°4'	20°1'	17°34'	1°12'	24°4'	19°49'	6°8'	14°29'	15°R34	14°31'	6°26'	24°52'	T 23
W24	8 13 31	4°3'34	28°10'	21°30'	20°59'	18°8'	1°11'	24°4'	19°52'	6°11'	14°30'	15°33'	14°28'	6°33'	24°58'	W24
T 25	8 17 28	5°4'36	9°58'	22°53'	21°57'	18°41'	1°D11	24°D 4	19°55'	6°13'	14°32'	15°31'	14°25'	6°40'	25°4'	T 25
F 26	8 21 24	6°5'38	21°47'	24°11'	22°54'	19°15'	1°11'	24°4'	19°59'	6°15'	14°34'	15°29'	14°22'	6°46'	25°10'	F 26
S 27	8 25 21	7°6'38	3°39'	25°25'	23°51'	19°48'	1°12'	24°4'	20°2'	6°17'	14°35'	15°25'	14°19'	6°53'	25°15'	S 27
S 28	8 29 18	8°7'38	15°36'	26°32'	24°47'	20°22'	1°12'	24°4'	20°6'	6°20'	14°37'	15°21'	14°15'	7°0'	25°21'	S 28
M29	8 33 14	9°8'36	27°41'	27°34'	25°43'	20°55'	1°13'	24°4'	20°9'	6°22'	14°38'	15°17'	14°12'	7°6'	25°27'	M29
T 30	8 37 11	10°9'33	9°56'	28°28'	26°38'	21°28'	1°13'	24°5'	20°13'	6°24'	14°40'	15°14'	14°9'	7°13'	25°32'	T 30
W31	8 41 7	11°10'29	22°24'	29°14'	27°32'	22°11'	1°15'	24°6'	20°16'	6°27'	14°41'	15°11'	14°6'	7°20'	25°38'	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	23s 1	8s49	4s44	24s38	1s58	13s57	1s31	11s59	1n16	19n48	0s48	16n47	2s12	15s53	0s41	M 1
T 2	22 56	4 21	5 8	24 30	2 1	13 31	1 27	12 11	1 15	19 48	0 48	16 47	2 12	15 52	0 41	T 2
W 3	22 50	0n24	5 18	24 19	2 3	13 4	1 23	12 22	1 15	19 47	0 48	16 46	2 11	15 51	0 41	W 3
T 4	22 44	5 16	5 13	24 8	2 5	12 37	1 19	12 34	1 15	19 46	0 48	16 46	2 11	15 50	0 41	T 4
F 5	22 38	10 2	4 51	23 54	2 6	12 10	1 15	12 46	1 15	19 46	0 48	16 46	2 11	15 49	0 41	F 5
S 6	22 31	14 29	4 12	23 39	2 7	11 43	1 11	12 57	1 15	19 45	0 47	16 45	2 11	15 48	0 41	S 6
S 7	22 23	18 17	3 17	23 23	2 8	11 15	1 7	13 8	1 14	19 45	0 47	16 45	2 10	15 47	0 41	S 7
M 8	22 16	21 4	2 8	23 5	2 8	10 47	1 2	13 20	1 14	19 44	0 47	16 45	2 10	15 46	0 41	M 8
T 9	22 7	22 27	0 48	22 46	2 7	10 20	0 58	13 31	1 14	19 44	0 47	16 45	2 10	15 45	0 41	T 9
W10	21 59	22 14	0n36	22 25	2 7	9 51	0 53	13 42	1 14	19 43	0 46	16 45	2 10	15 44	0 41	W10
T 11	21 50	20 23	1 57	22 2	2 5	9 23	0 48	13 53	1 14	19 43	0 46	16 45	2 9	15 43	0 41	T 11
F 12	21 40	17 5	3 10	21 38	2 4	8 55	0 43	14 4	1 13	19 43	0 46	16 44	2 9	15 42	0 41	F 12
S 13	21 30	12 45	4 9	21 12	2 1	8 26	0 38	14 14	1 13	19 42	0 46	16 44	2 9	15 41	0 41	S 13
S 14	21 20	7 45	4 51	20 45	1 58	7 58	0 32	14 25	1 13	19 42	0 45	16 44	2 8	15 40	0 41	S 14
M15	21 9	2 30	5 13	20 16	1 55	7 29	0 27	14 36	1 13	19 42	0 45	16 44	2 8	15 39	0 41	M15
T 16	20 58	2s43	5 17	19 46	1 50	7 0	0 21	14 46	1 12	19 42	0 45	16 44	2 8	15 38	0 41	T 16
W17	20 46	7 39	5 3	19 15	1 46	6 31	0 15	14 57	1 12	19 42	0 45	16 44	2 8	15 37	0 41	W17
T 18	20 34	12 7	4 35	18 43	1 40	6 2	0 10	15 7	1 12	19 42	0 44	16 44	2 7	15 36	0 41	T 18
F 19	20 22	15 57	3 54	18 9	1 34	5 33	0 3	15 17	1 12	19 42	0 44	16 45	2 7	15 35	0 41	F 19
S 20	20 9	19 0	3 3	17 34	1 27	5 4	0n 3	15 27	1 11	19 42	0 44	16 45	2 7	15 34	0 41	S 20
S 21	19 56	21 10	2 4	16 58	1 19	4 35	0 9	15 37	1 11	19 42	0 44	16 45	2 6	15 33	0 41	S 21
M22	19 43	22 21	1 1	16 22	1 10	4 6	0 15	15 47	1 11	19 42	0 43	16 45	2 6	15 32	0 41	M22
T 23	19 29	22 31	0s 4	15 45	1 1	3 37	0 22	15 57	1 10	19 42	0 43	16 45	2 6	15 31	0 41	T 23
W24	19 14	21 39	1 9	15 7	0 50	3 8	0 29	16 6	1 10	19 42	0 43	16 45	2 6	15 30	0 41	W24
T 25	19 0	19 51	2 11	14 30	0 39	2 39	0 36	16 16	1 10	19 42	0 43	16 46	2 5	15 29	0 41	T 25
F 26	18 45	17 12	3 7	13 53	0 27	2 10	0 42	16 25	1 9	19 42	0 42	16 46	2 5	15 28	0 41	F 26
S 27	18 30	13 49	3 55	13 16	0 14	1 41	0 50	16 35	1 9	19 43	0 42	16 46	2 5	15 27	0 41	S 27
S 28	18 14	9 52	4 33	12 40	0n 0	1 12	0 57	16 44	1 9	19 43	0 42	16 47	2 4	15 26	0 41	S 28
M29	17 58	5 30	5 0	12 5	0 15	0 43	1 4	16 53	1 8	19 43	0 42	16 47	2 4	15 24	0 41	M29
T 30	17 42	0 52	5 13	11 32	0 30	0 15	1 12	17 2	1 8	19 44	0 41	16 47	2 4	15 23	0 41	T 30
W31	17s25	3n54	5s12	11s 1	0n46	0n14	1n19	17s11	1n 8	19n44	0s41	16n48	2s 4	15s22	0s41	W31

Julian Day Number = 2451910.5, Delta T = 64.09 sec

Ecliptic obliquity = 23°26'18", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°45'15", Lahiri = 23°52'16"

ASTRODIENST EPHEMERIS for the year 2001

geocentric

FEBRUARY 2001

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 45 4	12 ²² 11'23	5 ⁵⁸ 10	29 ²² 51	28 ²² 25	22 ²² 34	1 ²² 16	24 ²² 8	20 ²² 19	6 ²² 29	14 ²² 43	15 ²² R10	14 ²² 3	7 ²² 26	25 ²² 43	T 1
F 2	8 49 0	13 ²² 12'17	18 ²² 16	0 ²² 18	29 ²² 18	23 ²² 7	1 ²² 17	24 ²² 7	20 ²² 23	6 ²² 31	14 ²² 44	15 ²² D10	13 ²² 59	7 ²² 33	25 ²² 49	F 2
S 3	8 52 57	14 ²² 13'09	1 ²² 45	0 ²² 35	0 ²² Y10	23 ²² 40	1 ²² 19	24 ²² 8	20 ²² 26	6 ²² 33	14 ²² 46	15 ²² 51	13 ²² 56	7 ²² 39	25 ²² 54	S 3
S 4	8 56 53	15 ²² 13'59	15 ²² 40	0 ²² R42	1 ²² 2	24 ²² 12	1 ²² 21	24 ²² 9	20 ²² 30	6 ²² 36	14 ²² 47	15 ²² 12	13 ²² 53	7 ²² 46	25 ²² 59	S 4
M 5	9 0 50	16 ²² 14'49	29 ²² 59	0 ²² 37	1 ²² 52	24 ²² 45	1 ²² 23	24 ²² 10	20 ²² 33	6 ²² 38	14 ²² 48	15 ²² 14	13 ²² 50	7 ²² 53	26 ²² 4	M 5
T 6	9 4 47	17 ²² 15'37	14 ²² 54	0 ²² 21	2 ²² 42	25 ²² 18	1 ²² 25	24 ²² 12	20 ²² 37	6 ²² 40	14 ²² 50	15 ²² R14	13 ²² 47	7 ²² 59	26 ²² 10	T 6
W 7	9 8 43	18 ²² 16'23	29 ²² 47	29 ²² 55	3 ²² 31	25 ²² 50	1 ²² 28	24 ²² 13	20 ²² 40	6 ²² 42	14 ²² 51	15 ²² 14	13 ²² 44	8 ²² 6	26 ²² 15	W 7
T 8	9 12 40	19 ²² 17'08	15 ²² 51	29 ²² 18	4 ²² 19	26 ²² 22	1 ²² 30	24 ²² 15	20 ²² 44	6 ²² 45	14 ²² 52	15 ²² 11	13 ²² 40	8 ²² 13	26 ²² 20	T 8
F 9	9 16 36	20 ²² 17'52	0 ²² 16	28 ²² 32	5 ²² 6	26 ²² 54	1 ²² 33	24 ²² 16	20 ²² 47	6 ²² 47	14 ²² 54	15 ²² 7	13 ²² 37	8 ²² 19	26 ²² 25	F 9
S 10	9 20 33	21 ²² 18'34	15 ²² 22	27 ²² 38	5 ²² 52	27 ²² 26	1 ²² 36	24 ²² 18	20 ²² 51	6 ²² 49	14 ²² 55	15 ²² 2	13 ²² 34	8 ²² 26	26 ²² 30	S 10
S 11	9 24 29	22 ²² 19'16	0 ²² 9	26 ²² 37	6 ²² 37	27 ²² 58	1 ²² 39	24 ²² 20	20 ²² 54	6 ²² 51	14 ²² 56	14 ²² 56	13 ²² 31	8 ²² 33	26 ²² 34	S 11
M 12	9 28 26	23 ²² 19'56	14 ²² 30	25 ²² 31	7 ²² 21	28 ²² 30	1 ²² 43	24 ²² 22	20 ²² 58	6 ²² 54	14 ²² 57	14 ²² 50	13 ²² 28	8 ²² 39	26 ²² 39	M 12
T 13	9 32 22	24 ²² 20'35	28 ²² 23	24 ²² 22	8 ²² 4	29 ²² 2	1 ²² 46	24 ²² 24	21 ²² 1	6 ²² 56	14 ²² 58	14 ²² 46	13 ²² 25	8 ²² 46	26 ²² 44	T 13
W 14	9 36 19	25 ²² 21'12	11 ²² 46	23 ²² 12	8 ²² 46	29 ²² 34	1 ²² 50	24 ²² 26	21 ²² 5	6 ²² 58	14 ²² 59	14 ²² 43	13 ²² 21	8 ²² 53	26 ²² 48	W 14
T 15	9 40 16	26 ²² 21'49	24 ²² 43	22 ²² 3	9 ²² 27	0 ²² 5	1 ²² 54	24 ²² 28	21 ²² 8	7 ²² 0	15 ²² 0	14 ²² D42	13 ²² 18	8 ²² 59	26 ²² 53	T 15
F 16	9 44 12	27 ²² 22'25	7 ²² 15	20 ²² 56	10 ²² 6	0 ²² 36	1 ²² 58	24 ²² 31	21 ²² 12	7 ²² 2	15 ²² 1	14 ²² 43	13 ²² 15	9 ²² 6	26 ²² 58	F 16
S 17	9 48 9	28 ²² 22'59	19 ²² 30	19 ²² 53	10 ²² 45	1 ²² 8	2 ²² 3	24 ²² 33	21 ²² 15	7 ²² 4	15 ²² 2	14 ²² 44	13 ²² 12	9 ²² 13	27 ²² 2	S 17
S 18	9 52 5	29 ²² 23'32	1 ²² 30	18 ²² 56	11 ²² 22	1 ²² 39	2 ²² 7	24 ²² 36	21 ²² 19	7 ²² 7	15 ²² 3	14 ²² 46	13 ²² 9	9 ²² 19	27 ²² 6	S 18
M 19	9 56 2	0 ²² 24'04	13 ²² 22	18 ²² 4	11 ²² 57	2 ²² 10	2 ²² 12	24 ²² 38	21 ²² 22	7 ²² 9	15 ²² 4	14 ²² R46	13 ²² 5	9 ²² 26	27 ²² 11	M 19
T 20	9 59 58	1 ²² 24'35	25 ²² 9	17 ²² 19	12 ²² 32	2 ²² 41	2 ²² 17	24 ²² 41	21 ²² 25	7 ²² 11	15 ²² 5	14 ²² 46	13 ²² 2	9 ²² 33	27 ²² 15	T 20
W 21	10 3 55	2 ²² 25'04	6 ²² 55	16 ²² 42	13 ²² 5	3 ²² 11	2 ²² 22	24 ²² 44	21 ²² 29	7 ²² 13	15 ²² 6	14 ²² 43	12 ²² 59	9 ²² 39	27 ²² 19	W 21
T 22	10 7 51	3 ²² 25'31	18 ²² 44	16 ²² 12	13 ²² 36	3 ²² 42	2 ²² 27	24 ²² 47	21 ²² 32	7 ²² 15	15 ²² 7	14 ²² 38	12 ²² 56	9 ²² 46	27 ²² 23	T 22
F 23	10 11 48	4 ²² 25'57	0 ²² 37	15 ²² 49	14 ²² 6	4 ²² 12	2 ²² 33	24 ²² 50	21 ²² 36	7 ²² 17	15 ²² 8	14 ²² 31	12 ²² 53	9 ²² 53	27 ²² 27	F 23
S 24	10 15 45	5 ²² 26'22	12 ²² 37	15 ²² 34	14 ²² 34	4 ²² 43	2 ²² 38	24 ²² 53	21 ²² 39	7 ²² 19	15 ²² 8	14 ²² 21	12 ²² 50	9 ²² 59	27 ²² 31	S 24
S 25	10 19 41	6 ²² 26'44	24 ²² 44	15 ²² 26	15 ²² 0	5 ²² 13	2 ²² 44	24 ²² 57	21 ²² 43	7 ²² 21	15 ²² 9	14 ²² 11	12 ²² 46	10 ²² 6	27 ²² 35	S 25
M 26	10 23 38	7 ²² 27'05	7 ²² Y 1	15 ²² D25	15 ²² 25	5 ²² 43	2 ²² 50	25 ²² 0	21 ²² 46	7 ²² 23	15 ²² 10	14 ²² 1	12 ²² 43	10 ²² 13	27 ²² 38	M 26
T 27	10 27 34	8 ²² 27'24	19 ²² 27	15 ²² 31	15 ²² 48	6 ²² 13	2 ²² 56	25 ²² 4	21 ²² 49	7 ²² 25	15 ²² 11	13 ²² 51	12 ²² 40	10 ²² 19	27 ²² 42	T 27
W 28	10 31 31	9 ²² 27'41	2 ²² 8 4	15 ²² 42	16 ²² Y 9	6 ²² 42	3 ²² II 2	25 ²² 8 7	21 ²² 53	7 ²² 27	15 ²² 11	13 ²² 53	12 ²² 37	10 ²² 26	27 ²² 46	W 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s 8	8n36	4s56	10s33	1n 3	0n42	1n27	17s20	1n 7	19n45	0s41	16n48	2s 3	15s21	0s41	18s30	0n10	12s14	10n23	22n35	22n42	20s23	18s11	5n11			
F 2	16 51	13 3	4 24	10 7	1 20	1 11	1 35	17 28	1 7	19 45	0 41	16 49	2 3	15 20	0 41	18 29	0 10	12 14	10 23	22 35	22 42	20 22	18 11	5 12			
S 3	16 34	16 59	3 36	9 45	1 37	1 39	1 43	17 37	1 6	19 46	0 40	16 49	2 3	15 19	0 41	18 28	0 10	12 14	10 24	22 35	22 43	20 22	18 10	5 12			
S 4	16 16	20 6	2 35	9 27	1 54	2 7	1 51	17 45	1 6	19 47	0 40	16 50	2 2	15 18	0 41	18 28	0 10	12 14	10 24	22 34	22 43	20 21	18 10	5 13			
M 5	15 58	22 4	1 23	9 13	2 11	2 34	2 0	17 54	1 6	19 47	0 40	16 50	2 2	15 17	0 41	18 27	0 10	12 14	10 24	22 34	22 43	20 20	18 10	5 13			
T 6	15 40	22 35	0 3	9 3	2 27	3 2	2 8	18 2	1 5	19 48	0 40	16 51	2 2	15 16	0 41	18 27	0 10	12 14	10 24	22 34	22 44	20 19	18 9	5 14			
W 7	15 21	21 29	1n19	8 58	2 43	3 29	2 16	18 10	1 5	19 49	0 39	16 52	2 2	15 15	0 41	18 26	0 10	12 14	10 24	22 34	22 44	20 18	18 9	5 14			
T 8	15 2	18 49	2 36	8 57	2 57	3 56	2 25	18 18	1 4	19 49	0 39	16 52	2 1	15 13	0 41	18 26	0 10	12 14	10 25	22 34	22 44	20 17	18 9	5 15			
F 9	14 43	14 50	3 41	9 1	3 10	4 23	2 34	18 26	1 4	19 50	0 39	16 53	2 1	15 12	0 41	18 25	0 10	12 14	10 25	22 35	22 45	20 16	18 8	5 15			
S 10	14 24	9 56	4 31	9 9	3 21	4 49	2 43	18 34	1 3	19 51	0 39	16 54	2 1	15 11	0 41	18 25	0 10	12 14	10 25	22 36	22 45	20 15	18 8	5 16			
S 11	14 4	4 33	5 1	9 21	3 30	5 15	2 52	18 41	1 3	19 52	0 38	16 54	2 0	15 10	0 41	18 24	0 10	12 14	10 25	22 36	22 45	20 14	18 8	5 16			
M 12	13 44	0s56	5 11	9 37	3 36	5 41	3 1	18 49	1 2	19 53	0 38	16 55	2 0	15 9	0 41	18 24	0 10	12 13	10 26	22 37	22 45	20 13	18 7	5 17			
T 13	13 24	6 11	5 2	9 56	3 41	6 7	3 10	18 56	1 2	19 54	0 38	16 56	2 0	15 8	0 41	18 23	0 10	12 13	10 26	22 37	22 46	20 12	18 7	5 17			
W 14	13 4	10 58	4 37	10 16	3 43	6 32	3 19	19 3	1 1	19 55	0 38	16 57	2 0	15 7	0 41	18 22	0 10	12 13	10 26	22 38	22 46	20 11	18 6	5 18			
T 15	12 44	15 5	3 59	10 39	3 42	6 56	3 29	19 11	1 1	19 56	0 37	16 58	1 59	15 6	0 41	18 22	0 10	12 13	10 26	22 38	22 46	20 10	18 6	5 18			
F 16	12 23	18 24	3 10	11 3	3 40	7 21	3 38	19 18	1 0	19 57	0 37	16 58	1 59	15 5	0 41	18 21	0 10	12 13	10 27	22 38	22 47	20 9	18 5	5 19			
S 17	12 2	20 49	2 13	11 27	3 35	7 45	3 48	19 25	1 0	19 58	0 37	16 59	1 59	15 3	0 41	18 21	0 10	12 13	10 27	22 37	22 47	20 8	18 5	5 19			
S 18	11 41	22 14	1 11	11 51	3 28	8 8	3 57	19 31	0 59	19 59	0 37	17 0	1 58	15 2	0 41	18 20	0 10	12 13	10 27	22 37	22 47	20 7	18 4	5 20			
M 19	11 20	22 38	0 8	12 14	3 20	8 31	4 7	19 38	0 59	20 0	0 37	17 1	1 58	15 1	0 41	18 20	0 10	12 13	10 27	22 37	22 48	20 6	18 4	5 21			
T 20	10 58	22 1	0s56	12 37	3 10	8 53	4 17	19 45	0 58	20 1	0 36	17 2	1 58	15 0	0 41	18 19	0 10	12 12	10 28	22 37	22 48	20 5	18 4	5 21			
W 21	10 37	20 26	1 57	12 58	3 0	9 15	4 27	19 51	0 57	20 3	0 36	17 3	1 58	14 59	0 41	18 19	0 10	12 12	10 28	22 38	22 48	20 4	18 3	5 22			
T 22	10 15	17 57	2 53	13 18	2 48	9 37	4 37	19 58	0 57	20 4	0 36	17 4	1 57	14 58	0 41	18 18	0 10	12 12	10 28	22 38	22 49	20 3	18 3	5 22			
F 23	9 53	14 42	3 41	13 37	2 36	9 58	4 47	20 4	0 56	20 5	0 36	17 5	1 57	14 57	0 41	18 18	0 10	12 12	10 28	22 39	22 49	20 2	18 2	5 23			
S 24	9 31	10 50	4 21	13 53	2 23	10 18	4 57	20 10	0 55	20 6	0 35	17 6	1 57	14 56	0 41	18 17	0 10	12 12	10 29	22 40	22 49	20 1	18 2	5 23			
S 25	9 9	6 30	4 48	14 8	2 10	10 37	5 7	20 16	0 55	20 8	0 35	17 7	1 57	14 55	0 41	18 17	0 10	12 12	10 29	22 41	22 50	20 0	18 1	5 24			
M 26	8 46	1 52	5 3	14 21	1 57	10 56	5 17	20 22	0 54	20 9	0 35	17 8	1 56	14 54	0 41	18 16	0 10	12 11	10 29	22 42	22 50	19 58	18 0	5 25			
T 27	8 24	2n55	5 4	14 33	1 43	11 14	5 27	20 28	0 53	20 11	0 35	17 9	1 56	14 53	0 41	18 16	0 10	12 11	10 29	22 43	22 50	19 57	18 0	5 25			
W 28	8s 1	7n39	4s50	14s42	1n30	11n32	5n37	20s34	0n53	20n12	0s35	17n10	1s56	14s51	0s41	18s15	0n10	12s11	10n30	22n44	22n50	19s56	17s59	5n26			

ASTRODIENST EPHEMERIS for the year 2001

geocentric

MARCH 2001

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 35 27	10♌27°56	14♋55	16♊0	16♌28	7♌12	3♏9	25♌11	21♌56	7♌29	15♌12	13♌R38	12♌34	10♌33	27♌49	T 1
F 2	10 39 24	11°28'09	28° 1	16°23	16°45	7°41	3°15	25°15	21°59	7°31	15°12	13°35	12°30	10°39	27°52	F 2
S 3	10 43 20	12°28'20	11♏24	16°51	17° 0	8°10	3°22	25°19	22° 3	7°33	15°13	13°D34	12°27	10°46	27°56	S 3
S 4	10 47 17	13°28'29	25° 7	17°24	17°13	8°39	3°29	25°23	22° 6	7°35	15°13	13°34	12°24	10°53	27°59	S 4
M 5	10 51 14	14°28'36	9♏11	18° 1	17°24	9° 8	3°36	25°27	22° 9	7°37	15°14	13°R35	12°21	10°59	28° 2	M 5
T 6	10 55 10	15°28'41	23°36	18°42	17°33	9°36	3°43	25°31	22°13	7°39	15°14	13°35	12°18	11° 6	28° 5	T 6
W 7	10 59 7	16°28'43	8♏19	19°27	17°39	10° 5	3°50	25°35	22°16	7°41	15°15	13°32	12°15	11°13	28° 8	W 7
T 8	11 3 3	17°28'44	23°16	20°16	17°42	10°33	3°58	25°39	22°19	7°43	15°15	13°27	12°11	11°19	28°11	T 8
F 9	11 7 0	18°28'42	8♏19	21° 8	17°R44	11° 1	4° 6	25°44	22°22	7°45	15°15	13°20	12° 8	11°26	28°14	F 9
S 10	11 10 56	19°28'39	23°19	22° 3	17°43	11°29	4°13	25°48	22°25	7°46	15°16	13°10	12° 5	11°33	28°17	S 10
S 11	11 14 53	20°28'33	8♏6	23° 1	17°39	11°57	4°21	25°53	22°29	7°48	15°16	13° 0	12° 2	11°39	28°19	S 11
M12	11 18 49	21°28'26	22°32	24° 2	17°33	12°24	4°29	25°58	22°32	7°50	15°16	12°49	11°59	11°46	28°22	M12
T 13	11 22 46	22°28'17	6♏31	25° 5	17°24	12°51	4°38	26° 2	22°35	7°52	15°16	12°41	11°56	11°53	28°24	T 13
W14	11 26 43	23°28'06	20° 2	26°11	17°13	13°18	4°46	26° 7	22°38	7°54	15°16	12°34	11°52	11°59	28°27	W14
T 15	11 30 39	24°27'53	3♏4	27°19	17° 0	13°45	4°54	26°12	22°41	7°55	15°17	12°29	11°49	12° 6	28°29	T 15
F 16	11 34 36	25°27'39	15°41	28°29	16°44	14°12	5° 3	26°17	22°44	7°57	15°17	12°27	11°46	12°13	28°31	F 16
S 17	11 38 32	26°27'24	27°58	29°41	16°25	14°38	5°12	26°22	22°47	7°59	15°17	12°D27	11°43	12°19	28°33	S 17
S 18	11 42 29	27°27'06	9♏59	0♏56	16° 4	15° 4	5°20	26°27	22°50	8° 0	15°R17	12°R27	11°40	12°26	28°35	S 18
M19	11 46 25	28°26'47	21°51	2°12	15°41	15°30	5°29	26°33	22°53	8° 2	15°17	12°27	11°36	12°33	28°37	M19
T 20	11 50 22	29°26'26	3♏38	3°29	15°16	15°55	5°39	26°38	22°56	8° 4	15°17	12°25	11°33	12°39	28°39	T 20
W21	11 54 18	0♏26'03	15°25	4°49	14°49	16°21	5°48	26°43	22°59	8° 5	15°17	12°21	11°30	12°46	28°41	W21
T 22	11 58 15	1°25'38	27°17	6°10	14°20	16°46	5°57	26°49	23° 2	8° 7	15°16	12°14	11°27	12°53	28°42	T 22
F 23	12 2 11	2°25'12	9♏16	7°33	13°49	17°11	6° 7	26°54	23° 5	8° 8	15°16	12° 4	11°24	12°59	28°44	F 23
S 24	12 6 8	3°24'43	21°25	8°57	13°16	17°35	6°16	27° 0	23° 8	8°10	15°16	11°51	11°21	13° 6	28°45	S 24
S 25	12 10 5	4°24'13	3♏46	10°23	12°42	17°59	6°26	27° 5	23°11	8°11	15°16	11°38	11°17	13°13	28°47	S 25
M26	12 14 1	5°23'40	16°17	11°51	12° 7	18°23	6°36	27°11	23°13	8°13	15°16	11°24	11°14	13°19	28°48	M26
T 27	12 17 58	6°23'06	29° 1	13°20	11°31	18°47	6°46	27°17	23°16	8°14	15°15	11°11	11°11	13°26	28°49	T 27
W28	12 21 54	7°22'29	11♏56	14°50	10°54	19°10	6°56	27°23	23°19	8°15	15°15	11° 0	11° 8	13°33	28°50	W28
T 29	12 25 51	8°21'50	25° 2	16°22	10°16	19°33	7° 6	27°29	23°22	8°17	15°15	10°52	11° 5	13°39	28°51	T 29
F 30	12 29 47	9°21'09	8♏19	17°56	9°38	19°56	7°16	27°35	23°24	8°18	15°14	10°47	11° 2	13°46	28°52	F 30
S 31	12 33 44	10°20'26	21♏49	19♏30	9°9	20♏18	7♏26	27♏41	23♏27	8♏19	15♏14	10♏45	10♏58	13♏53	28♏53	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s39	12n 8	4s22	14s49	1n17	11n48	5n47	20s39	0n52	20n13	0s34	17n11	1s56	14s50	0s41	18s15
F 2	7 16	16 9	3 39	14 55	1 4	12 4	5 57	20 45	0 51	20 15	0 34	17 13	1 55	14 49	0 41	18 14
S 3	6 53	19 27	2 43	14 59	0 51	12 19	6 7	20 50	0 50	20 16	0 34	17 14	1 55	14 48	0 41	18 14
S 4	6 30	21 44	1 37	15 1	0 38	12 33	6 16	20 56	0 50	20 18	0 34	17 15	1 55	14 47	0 41	18 13
M 5	6 7	22 44	0 24	15 1	0 26	12 46	6 26	21 1	0 49	20 19	0 33	17 16	1 55	14 46	0 41	18 13
T 6	5 43	22 15	0n53	14 59	0 15	12 58	6 36	21 6	0 48	20 21	0 33	17 17	1 54	14 45	0 41	18 12
W 7	5 20	20 15	2 8	14 56	0 3	13 9	6 45	21 11	0 47	20 23	0 33	17 19	1 54	14 44	0 41	18 12
T 8	4 57	16 50	3 15	14 51	0s 8	13 19	6 54	21 16	0 46	20 24	0 33	17 20	1 54	14 43	0 41	18 11
F 9	4 33	12 17	4 9	14 45	0 19	13 28	7 3	21 21	0 45	20 26	0 33	17 21	1 54	14 42	0 41	18 11
S 10	4 10	7 1	4 45	14 37	0 29	13 35	7 12	21 25	0 45	20 27	0 32	17 22	1 53	14 41	0 41	18 10
S 11	3 46	1 24	5 2	14 27	0 39	13 41	7 20	21 30	0 44	20 29	0 32	17 24	1 53	14 40	0 41	18 10
M12	3 23	4s 9	4 59	14 16	0 48	13 46	7 28	21 35	0 43	20 31	0 32	17 25	1 53	14 39	0 41	18 9
T 13	2 59	9 19	4 37	14 3	0 57	13 50	7 35	21 39	0 42	20 32	0 32	17 26	1 53	14 38	0 41	18 9
W14	2 36	13 53	4 1	13 49	1 6	13 52	7 42	21 43	0 41	20 34	0 32	17 28	1 52	14 37	0 41	18 8
T 15	2 12	17 37	3 13	13 33	1 14	13 53	7 49	21 48	0 40	20 36	0 31	17 29	1 52	14 36	0 41	18 8
F 16	1 48	20 24	2 17	13 16	1 21	13 53	7 55	21 52	0 39	20 38	0 31	17 30	1 52	14 35	0 41	18 8
S 17	1 25	22 9	1 16	12 58	1 29	13 50	8 1	21 56	0 38	20 39	0 31	17 32	1 52	14 34	0 41	18 7
S 18	1 1	22 51	0 13	12 38	1 35	13 47	8 6	22 0	0 37	20 41	0 31	17 33	1 51	14 33	0 41	18 7
M19	0 37	22 29	0s50	12 17	1 42	13 42	8 10	22 4	0 35	20 43	0 31	17 35	1 51	14 32	0 41	18 6
T 20	0 13	21 7	1 50	11 54	1 48	13 35	8 13	22 8	0 34	20 45	0 31	17 36	1 51	14 31	0 41	18 6
W21	0n10	18 51	2 45	11 30	1 53	13 27	8 16	22 11	0 33	20 46	0 30	17 38	1 51	14 30	0 41	18 6
T 22	0 34	15 46	3 34	11 5	1 58	13 17	8 18	22 15	0 32	20 48	0 30	17 39	1 51	14 29	0 41	18 5
F 23	0 58	12 0	4 13	10 38	2 3	13 6	8 19	22 19	0 31	20 50	0 30	17 40	1 50	14 28	0 41	18 5
S 24	1 21	7 43	4 42	10 10	2 7	12 54	8 20	22 22	0 30	20 52	0 30	17 42	1 50	14 27	0 41	18 4
S 25	1 45	3 3	4 57	9 41	2 11	12 40	8 19	22 26	0 28	20 54	0 30	17 43	1 50	14 26	0 41	18 4
M26	2 9	1n48	4 59	9 11	2 14	12 25	8 17	22 29	0 27	20 56	0 29	17 45	1 50	14 26	0 41	18 4
T 27	2 32	6 40	4 46	8 39	2 17	12 8	8 15	22 32	0 26	20 57	0 29	17 46	1 50	14 25	0 41	18 3
W28	2 56	11 19	4 18	8 7	2 19	11 50	8 12	22 36	0 24	20 59	0 29	17 48	1 49	14 24	0 41	18 3
T 29	3 19	15 31	3 36	7 33	2 21	11 32	8 7	22 39	0 23	21 1	0 29	17 50	1 49	14 23	0 41	18 3
F 30	3 42	19 1	2 42	6 58	2 22	11 12	8 2	22 42	0 22	21 3	0 29	17 51	1 49	14 22	0 41	18 2
S 31	4n 6	21n33	1s38	6s21	2s23	10n52	7n56	22s45	0n20	21n 5	0s29	17n53	1s49	14s21	0s41	18s 2

Julian Day Number = 2451969.5, Delta T = 64.13 sec
 Ecliptic obliquity = 23°26'19, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°45'24, Lahiri = 23°52'24

ASTRODIENST EPHEMERIS for the year 2001
geocentric

MAY 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 35 57	10♈41'16	14♌28	19♋31	3♊35	28♊23	13♏29	1♏14	24♎30	8♎45	14♌47	8♌3	9♌20	17♌19	28♌31	T 1
W 2	14 39 54	11°39'30	28°39	21°36	3°58	28°30	13°42	1°21	24°32	8°45	14♌46	8♌2	9°17	17°26	28♌29	W 2
T 3	14 43 50	12°37'42	12♍54	23°39	4°23	28°36	13°55	1°29	24°33	8°46	14°44	7°58	9°13	17°33	28°27	T 3
F 4	14 47 47	13°35'51	27° 8	25°41	4°50	28°42	14° 8	1°36	24°34	8°46	14°43	7°53	9°10	17°39	28°24	F 4
S 5	14 51 43	14°33'59	11♎19	27°40	5°18	28°47	14°21	1°44	24°35	8°46	14°42	7°45	9° 7	17°46	28°22	S 5
S 6	14 55 40	15°32'05	25°22	29°37	5°47	28°51	14°34	1°51	24°37	8°46	14°40	7°37	9° 4	17°53	28°20	S 6
M 7	14 59 36	16°30'09	9♍11	1♏31	6°19	28°55	14°47	1°59	24°38	8°46	14°39	7°29	9° 1	17°59	28°17	M 7
T 8	15 3 33	17°28'11	22°45	3°22	6°51	28°58	15° 0	2° 6	24°39	8°46	14°38	7°21	8°58	18° 6	28°15	T 8
W 9	15 7 29	18°26'12	5♊59	5°10	7°25	29° 0	15°13	2°14	24°40	8°47	14°36	7°15	8°54	18°13	28°12	W 9
T 10	15 11 26	19°24'11	18°53	6°55	8° 0	29° 2	15°26	2°22	24°41	8°47	14°35	7°11	8°51	18°19	28° 9	T 10
F 11	15 15 23	20°22'09	1♌28	8°37	8°37	29° 3	15°40	2°29	24°42	8♌47	14°33	7°D10	8°48	18°26	28° 7	F 11
S 12	15 19 19	21°20'06	13°46	10°16	9°14	29♌3	15°53	2°37	24°43	8°47	14°32	7°10	8°45	18°33	28° 4	S 12
S 13	15 23 16	22°18'01	25°51	11°51	9°53	29° 2	16° 6	2°45	24°43	8°47	14°31	7°11	8°42	18°39	28° 1	S 13
M14	15 27 12	23°15'55	7♎46	13°22	10°33	29° 1	16°19	2°52	24°44	8°46	14°29	7°12	8°39	18°46	27°58	M14
T 15	15 31 9	24°13'48	19°37	14°50	11°14	28°59	16°33	3° 0	24°45	8°46	14°28	7°R13	8°35	18°53	27°55	T 15
W16	15 35 5	25°11'39	1♋29	16°14	11°56	28°56	16°46	3° 8	24°46	8°46	14°26	7°13	8°32	18°59	27°52	W16
T 17	15 39 2	26° 9'29	13°26	17°35	12°39	28°52	16°59	3°15	24°46	8°46	14°25	7°12	8°29	19° 6	27°49	T 17
F 18	15 42 59	27° 7'18	25°33	18°51	13°23	28°48	17°13	3°23	24°47	8°46	14°23	7° 8	8°26	19°13	27°46	F 18
S 19	15 46 55	28° 5'06	7♊55	20° 4	14° 8	28°43	17°26	3°31	24°47	8°46	14°22	7° 3	8°23	19°20	27°42	S 19
S 20	15 50 52	29° 2'53	20°35	21°13	14°54	28°37	17°40	3°39	24°48	8°45	14°20	6°58	8°19	19°26	27°39	S 20
M21	15 54 48	0♏38	3♋33	22°18	15°40	28°30	17°53	3°46	24°48	8°45	14°18	6°51	8°16	19°33	27°36	M21
T 22	15 58 45	0°58'22	16°51	23°19	16°28	28°22	18° 7	3°54	24°49	8°45	14°17	6°45	8°13	19°40	27°32	T 22
W23	16 2 41	1°56'05	0♏28	24°16	17°16	28°14	18°21	4° 2	24°49	8°44	14°15	6°41	8°10	19°46	27°29	W23
T 24	16 6 38	2°53'47	14°20	25° 9	18° 5	28° 5	18°34	4°10	24°49	8°44	14°14	6°37	8° 7	19°53	27°25	T 24
F 25	16 10 34	3°51'28	28°24	25°57	18°54	27°56	18°48	4°18	24°50	8°43	14°12	6°36	8° 4	20° 0	27°22	F 25
S 26	16 14 31	4°49'07	12♌37	26°42	19°44	27°45	19° 2	4°25	24°50	8°43	14°11	6°D36	8° 0	20° 6	27°18	S 26
S 27	16 18 28	5°46'45	26°54	27°22	20°35	27°34	19°15	4°33	24°50	8°43	14° 9	6°37	7°57	20°13	27°15	S 27
M28	16 22 24	6°44'21	11♌12	27°57	21°27	27°22	19°29	4°41	24°50	8°42	14° 7	6°38	7°54	20°20	27°11	M28
T 29	16 26 21	7°41'56	25°29	28°28	22°19	27°10	19°43	4°49	24°50	8°41	14° 6	6°39	7°51	20°26	27° 7	T 29
W30	16 30 17	8°39'30	9♎40	28°55	23°12	26°57	19°56	4°56	24°R50	8°41	14° 4	6°R40	7°48	20°33	27° 4	W30
T 31	16 34 14	9♏37'02	23♎46	29♏17	24♊5	26♊43	20♏10	5♏4	24♎50	8♎40	14♌3	6♌39	7♌45	20♎40	27♌0	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	15n 2	19n24	3n 2	18n28	0n54	2n57	1n40	24s 9	0s43	22n 1	0s24	18n43	1s44	14s 1	0s42	17s55
W 2	15 20	15 38	3 57	19 11	1 4	2 56	1 29	24 12	0 46	22 3	0 24	18 44	1 44	14 1	0 42	17 55
T 3	15 38	10 59	4 37	19 52	1 14	2 56	1 18	24 15	0 49	22 5	0 24	18 46	1 44	14 0	0 42	17 55
F 4	15 55	5 44	5 1	20 31	1 23	2 57	1 8	24 18	0 52	22 6	0 24	18 47	1 44	14 0	0 43	17 55
S 5	16 12	0 12	5 5	21 8	1 32	2 59	0 57	24 21	0 55	22 8	0 23	18 49	1 43	14 0	0 43	17 55
S 6	16 30	5s17	4 52	21 42	1 40	3 1	0 47	24 24	0 58	22 10	0 23	18 51	1 43	13 59	0 43	17 55
M 7	16 46	10 26	4 21	22 14	1 48	3 5	0 37	24 27	1 1	22 11	0 23	18 52	1 43	13 59	0 43	17 55
T 8	17 3	14 59	3 36	22 43	1 55	3 9	0 28	24 30	1 4	22 13	0 23	18 54	1 43	13 59	0 43	17 55
W 9	17 19	18 41	2 40	23 9	2 2	3 14	0 19	24 33	1 7	22 14	0 23	18 55	1 43	13 58	0 43	17 55
T 10	17 35	21 22	1 37	23 33	2 7	3 19	0 10	24 36	1 10	22 16	0 23	18 57	1 43	13 58	0 43	17 55
F 11	17 50	22 55	0 31	23 55	2 12	3 26	0 1	24 39	1 13	22 17	0 23	18 59	1 43	13 58	0 43	17 55
S 12	18 6	23 19	0s36	24 14	2 16	3 33	0s 7	24 43	1 17	22 19	0 23	19 0	1 43	13 57	0 43	17 55
S 13	18 21	22 36	1 39	24 31	2 20	3 41	0 16	24 46	1 20	22 20	0 23	19 2	1 43	13 57	0 43	17 55
M14	18 35	20 52	2 38	24 45	2 22	3 49	0 23	24 49	1 23	22 22	0 22	19 3	1 43	13 57	0 43	17 55
T 15	18 50	18 15	3 30	24 57	2 24	3 58	0 31	24 53	1 27	22 23	0 22	19 5	1 42	13 57	0 43	17 55
W16	19 4	14 52	4 12	25 7	2 24	4 8	0 39	24 56	1 30	22 25	0 22	19 6	1 42	13 57	0 43	17 55
T 17	19 17	10 53	4 44	25 15	2 24	4 18	0 46	25 0	1 34	22 26	0 22	19 8	1 42	13 56	0 43	17 55
F 18	19 31	6 25	5 4	25 21	2 23	4 29	0 53	25 3	1 37	22 28	0 22	19 10	1 42	13 56	0 43	17 55
S 19	19 44	1 37	5 10	25 25	2 21	4 40	0 59	25 7	1 41	22 29	0 22	19 11	1 42	13 56	0 43	17 55
S 20	19 57	3n22	5 2	25 27	2 18	4 51	1 6	25 10	1 44	22 30	0 22	19 13	1 42	13 56	0 43	17 55
M21	20 9	8 21	4 38	25 27	2 14	5 4	1 12	25 14	1 48	22 32	0 22	19 14	1 42	13 56	0 43	17 56
T 22	20 21	13 4	3 58	25 26	2 10	5 16	1 18	25 17	1 52	22 33	0 21	19 16	1 42	13 56	0 43	17 56
W23	20 33	17 15	3 4	25 23	2 4	5 29	1 24	25 21	1 55	22 34	0 21	19 17	1 42	13 56	0 43	17 56
T 24	20 44	20 33	1 59	25 18	1 58	5 43	1 29	25 25	1 59	22 36	0 21	19 19	1 42	13 56	0 43	17 56
F 25	20 55	22 41	0 45	25 13	1 50	5 57	1 34	25 28	2 3	22 37	0 21	19 20	1 42	13 56	0 43	17 56
S 26	21 6	23 23	0n33	25 5	1 42	6 11	1 40	25 32	2 7	22 38	0 21	19 22	1 42	13 56	0 43	17 56
S 27	21 16	22 33	1 49	24 57	1 32	6 26	1 44	25 36	2 11	22 39	0 21	19 23	1 42	13 56	0 43	17 56
M28	21 26	20 16	2 58	24 48	1 22	6 41	1 49	25 39	2 14	22 41	0 21	19 24	1 42	13 56	0 43	17 56
T 29	21 36	16 44	3 56	24 37	1 11	6 56	1 54	25 43	2 18	22 42	0 21	19 26	1 42	13 56	0 44	17 57
W30	21 45	12 15	4 40	24 25	0 59	7 11	1 58	25 46	2 22	22 43	0 21	19 27	1 41	13 56	0 44	17 57
T 31	21n54	7n 9	5n 6	24n13	0n46	7n27	2s 2	25s50	2s26	22n44	0s21	19n29	1s41	13s56	0s44	17s57

Julian Day Number = 2452030.5, Delta T = 64.16 sec
Ecliptic obliquity = 23°26'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°45'32, Lahiri = 23°52'32

ASTRODIENST EPHEMERIS for the year 2001
geocentric

JUNE 2001

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 38 10	10 ^{II} 34'32	7 ^{II} 43	29 ^{II} 34	24 ^Y 59	26°R29	20 ^{II} 24	5 ^{II} 12	24°R50	8°R40	14°R 1	6°R37	7 ^{II} 41	20 ^{II} 46	26°R56	F 1
S 2	16 42 7	11°32'01	21°31	29°46	25°53	26 ^{II} 14	20°38	5°20	24 ^{II} 50	8 ^{II} 39	13 ^{II} 59	6 ^{II} 34	7°38	20°53	26 ^{II} 52	S 2
S 3	16 46 3	12°29'29	5 ^{III} 7	29°54	26°48	25°58	20°51	5°27	24°50	8°38	13°58	6°31	7°35	21° 0	26°48	S 3
M 4	16 50 0	13°26'56	18°30	29°R58	27°43	25°42	21° 5	5°35	24°50	8°37	13°56	6°27	7°32	21° 6	26°44	M 4
T 5	16 53 57	14°24'22	1 ^{II} 39	29°56	28°39	25°26	21°19	5°43	24°49	8°37	13°54	6°24	7°29	21°13	26°40	T 5
W 6	16 57 53	15°21'47	14°33	29°51	29°35	25° 9	21°33	5°51	24°49	8°36	13°53	6°22	7°25	21°20	26°36	W 6
T 7	17 1 50	16°19'11	27°12	29°41	0 ^{II} 32	24°51	21°47	5°58	24°49	8°35	13°51	6°21	7°22	21°26	26°32	T 7
F 8	17 5 46	17°16'34	9 ^{II} 36	29°27	1°29	24°34	22° 0	6° 6	24°48	8°34	13°50	6°D21	7°19	21°33	26°28	F 8
S 9	17 9 43	18°13'57	21°48	29° 9	2°27	24°15	22°14	6°14	24°48	8°33	13°48	6°21	7°16	21°40	26°24	S 9
S 10	17 13 39	19°11'19	3 ^{III} 50	28°47	3°25	23°57	22°28	6°21	24°47	8°33	13°46	6°22	7°13	21°47	26°20	S 10
M 11	17 17 36	20° 8'40	15°44	28°22	4°23	23°38	22°42	6°29	24°47	8°32	13°45	6°24	7°10	21°53	26°16	M 11
T 12	17 21 32	21° 6'00	27°35	27°55	5°22	23°19	22°56	6°37	24°46	8°31	13°43	6°25	7° 6	22° 0	26°12	T 12
W 13	17 25 29	22° 3'20	9 ^{II} 27	27°25	6°21	23° 0	23°10	6°44	24°45	8°30	13°42	6°26	7° 3	22° 7	26° 8	W 13
T 14	17 29 26	23° 0'40	21°24	26°53	7°21	22°41	23°24	6°52	24°45	8°29	13°40	6°R27	7° 0	22°13	26° 4	T 14
F 15	17 33 22	23°57'59	3 ^Y 32	26°20	8°21	22°21	23°37	6°59	24°44	8°28	13°38	6°26	6°57	22°20	26° 0	F 15
S 16	17 37 19	24°55'18	15°54	25°46	9°21	22° 2	23°51	7° 7	24°43	8°27	13°37	6°26	6°54	22°27	25°56	S 16
S 17	17 41 15	25°52'36	28°35	25°12	10°21	21°42	24° 5	7°14	24°42	8°26	13°35	6°24	6°51	22°33	25°52	S 17
M 18	17 45 12	26°49'55	11 ^{II} 37	24°39	11°22	21°23	24°19	7°22	24°41	8°24	13°34	6°23	6°47	22°40	25°48	M 18
T 19	17 49 8	27°47'13	25° 2	24° 6	12°23	21° 3	24°33	7°29	24°40	8°23	13°32	6°22	6°44	22°47	25°44	T 19
W 20	17 53 5	28°44'30	8 ^{II} 51	23°35	13°25	20°44	24°47	7°37	24°39	8°22	13°31	6°21	6°41	22°53	25°40	W 20
T 21	17 57 1	29°41'47	23° 0	23° 6	14°26	20°25	25° 0	7°44	24°38	8°21	13°29	6°21	6°38	23° 0	25°36	T 21
F 22	18 0 58	0 ^{II} 39'04	7 ^{II} 27	22°40	15°28	20° 6	25°14	7°52	24°37	8°20	13°28	6°D21	6°35	23° 7	25°32	F 22
S 23	18 4 55	1°36'21	22° 5	22°16	16°30	19°47	25°28	7°59	24°36	8°19	13°26	6°21	6°31	23°13	25°28	S 23
S 24	18 8 51	2°33'37	6 ^{II} 48	21°56	17°33	19°29	25°42	8° 6	24°35	8°17	13°25	6°21	6°28	23°20	25°24	S 24
M 25	18 12 48	3°30'52	21°30	21°40	18°36	19°11	25°56	8°14	24°34	8°16	13°23	6°21	6°25	23°27	25°20	M 25
T 26	18 16 44	4°28'07	6 ^{III} 5	21°27	19°39	18°53	26° 9	8°21	24°33	8°15	13°22	6°22	6°22	23°34	25°16	T 26
W 27	18 20 41	5°25'21	20°27	21°19	20°42	18°36	26°23	8°28	24°31	8°14	13°20	6°22	6°19	23°40	25°12	W 27
T 28	18 24 37	6°22'35	4 ^{II} 34	21°D16	21°45	18°19	26°37	8°35	24°30	8°12	13°19	6°22	6°16	23°47	25° 8	T 28
F 29	18 28 34	7°19'48	18°25	21°17	22°49	18° 3	26°51	8°43	24°29	8°11	13°17	6°22	6°12	23°54	25° 4	F 29
S 30	18 32 30	8°0 ^{II} 7'00	1 ^{III} 58	21 ^{II} 23	23 ^{II} 53	17 ^{II} 48	27 ^{II} 4	8 ^{II} 50	24 ^{II} 27	8 ^{II} 10	13 ^{II} 16	6°22	6°2 9	24 ^{II} 0	25 ^{II} 0	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	22n 2	1n44	5n14	23n59	0n33	7n43	2s 6	25s53	2s30	22n45	0s20	19n30	1s41	13s56	0s44	17s 4
S 2	22 10	3s42	5 3	23 45	0 19	7 59	2 9	25 57	2 34	22 46	0 20	19 32	1 41	13 56	0 44	17 53
S 3	22 18	8 54	4 36	23 30	0 4	8 16	2 13	26 0	2 37	22 47	0 20	19 33	1 41	13 56	0 44	17 51
M 4	22 25	13 35	3 53	23 15	0s12	8 33	2 16	26 3	2 41	22 48	0 20	19 34	1 41	13 56	0 44	17 49
T 5	22 32	17 34	3 0	22 58	0 28	8 49	2 19	26 6	2 45	22 49	0 20	19 36	1 41	13 56	0 44	17 48
W 6	22 38	20 36	1 57	22 42	0 44	9 6	2 22	26 10	2 49	22 50	0 20	19 37	1 41	13 56	0 44	17 46
T 7	22 44	22 34	0 50	22 25	1 1	9 24	2 25	26 13	2 52	22 51	0 20	19 39	1 41	13 56	0 44	17 45
F 8	22 50	23 23	0s18	22 8	1 18	9 41	2 28	26 16	2 56	22 52	0 20	19 40	1 41	13 57	0 44	17 43
S 9	22 55	23 4	1 24	21 51	1 36	9 58	2 30	26 18	3 0	22 53	0 20	19 41	1 41	13 57	0 44	17 42
S 10	23 0	21 40	2 26	21 33	1 53	10 16	2 32	26 21	3 3	22 54	0 20	19 43	1 41	13 57	0 44	17 40
M 11	23 4	19 19	3 21	21 16	2 10	10 34	2 34	26 24	3 7	22 55	0 19	19 44	1 41	13 57	0 44	17 38
T 12	23 8	16 10	4 7	20 59	2 27	10 51	2 36	26 26	3 10	22 56	0 19	19 45	1 41	13 58	0 44	17 37
W 13	23 12	12 23	4 42	20 42	2 43	11 9	2 38	26 29	3 14	22 57	0 19	19 46	1 41	13 58	0 44	17 35
T 14	23 15	8 5	5 6	20 26	2 58	11 27	2 40	26 31	3 17	22 57	0 19	19 48	1 41	13 58	0 44	17 34
F 15	23 18	3 26	5 16	20 10	3 13	11 45	2 41	26 33	3 20	22 58	0 19	19 49	1 41	13 58	0 44	17 32
S 16	23 20	1n27	5 12	19 55	3 27	12 2	2 42	26 35	3 24	22 59	0 19	19 50	1 41	13 59	0 44	17 30
S 17	23 22	6 24	4 53	19 42	3 40	12 20	2 44	26 37	3 27	23 0	0 19	19 51	1 41	13 59	0 44	17 29
M 18	23 24	11 13	4 19	19 29	3 51	12 38	2 45	26 39	3 30	23 0	0 19	19 53	1 41	13 59	0 44	17 27
T 19	23 25	15 38	3 29	19 17	4 2	12 56	2 45	26 41	3 33	23 1	0 19	19 54	1 41	14 0	0 44	17 25
W 20	23 26	19 22	2 27	19 6	4 11	13 13	2 46	26 42	3 36	23 2	0 19	19 55	1 41	14 0	0 44	17 24
T 21	23 26	22 2	1 13	18 57	4 18	13 31	2 47	26 43	3 38	23 2	0 18	19 56	1 41	14 0	0 44	17 22
F 22	23 26	23 20	0n 6	18 50	4 25	13 48	2 47	26 45	3 41	23 3	0 18	19 57	1 41	14 1	0 44	17 21
S 23	23 26	23 3	1 26	18 44	4 29	14 6	2 48	26 46	3 44	23 3	0 18	19 59	1 41	14 1	0 44	17 19
S 24	23 25	21 10	2 41	18 39	4 33	14 23	2 48	26 47	3 46	23 4	0 18	20 0	1 41	14 2	0 44	17 17
M 25	23 24	17 53	3 45	18 37	4 35	14 40	2 48	26 48	3 49	23 4	0 18	20 1	1 41	14 2	0 45	17 16
T 26	23 22	13 32	4 34	18 35	4 35	14 57	2 48	26 48	3 51	23 5	0 18	20 2	1 41	14 2	0 45	17 14
W 27	23 20	8 27	5 5	18 36	4 34	15 14	2 48	26 49	3 53	23 5	0 18	20 3	1 41	14 3	0 45	17 12
T 28	23 17	3 2	5 17	18 38	4 32	15 31	2 47	26 50	3 55	23 6	0 18	20 4	1 41	14 3	0 45	17 11
F 29	23 14	2s26	5 10	18 41	4 28	15 47	2 47	26 50	3 57	23 6	0 18	20 5	1 41	14 4	0 45	17 9
S 30	23n11	7s41	4n46	18n46	4s24	16n 3	2s46	26s51	3s59	23n 7	0s18	20n 6	1s41	14s 4	0s45	16s7

Julian Day Number = 2452061.5, Delta T = 64.18 sec
Ecliptic obliquity = 23°26'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°45'36, Lahiri = 23°52'37

ASTRODIENST EPHEMERIS for the year 2001
geocentric

JULY 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 27	9♉14'12	15♊15	21♋34	24♌57	17°R33	27♎18	8♏57	24°R26	8°R 8	13°R14	6♐22	6♐ 6	24♑ 7	24°R56	S 1
M 2	18 40 24	10°11'24	28°16	21°50	26° 1	17♌18	27°32	9° 4	24♑24	8♑ 7	13♌13	6°22	6° 3	24°14	24♑52	M 2
T 3	18 44 20	11° 8'36	11♌ 3	22°11	27° 5	17° 4	27°45	9°11	24°23	8° 6	13°12	6°23	6° 0	24°20	24°48	T 3
W 4	18 48 17	12° 5'47	23°37	22°36	28°10	16°51	27°59	9°18	24°21	8° 4	13°10	6°23	5°57	24°27	24°45	W 4
T 5	18 52 13	13° 2'58	5♊59	23° 7	29°15	16°39	28°12	9°25	24°20	8° 3	13° 9	6°R23	5°53	24°34	24°41	T 5
F 6	18 56 10	14° 0'10	18°10	23°42	0♏20	16°27	28°26	9°32	24°18	8° 1	13° 7	6°23	5°50	24°40	24°37	F 6
S 7	19 0 6	14°57'21	0♑13	24°23	1°25	16°16	28°39	9°39	24°17	8° 0	13° 6	6°23	5°47	24°47	24°34	S 7
S 8	19 4 3	15°54'32	12°10	25° 8	2°30	16° 6	28°53	9°45	24°15	7°58	13° 5	6°22	5°44	24°54	24°30	S 8
M 9	19 8 0	16°51'44	24° 2	25°58	3°36	15°57	29° 6	9°52	24°13	7°57	13° 4	6°20	5°41	25° 0	24°26	M 9
T 10	19 11 56	17°48'56	5♋53	26°52	4°42	15°48	29°20	9°59	24°11	7°55	13° 2	6°19	5°37	25° 7	24°23	T 10
W11	19 15 53	18°46'08	17°45	27°51	5°48	15°40	29°33	10° 5	24°10	7°54	13° 1	6°17	5°34	25°14	24°19	W11
T 12	19 19 49	19°43'21	29°42	28°55	6°54	15°33	29°47	10°12	24° 8	7°52	13° 0	6°16	5°31	25°21	24°16	T 12
F 13	19 23 46	20°40'34	11♌49	0♉ 4	8° 0	15°27	29°59	10°19	24° 6	7°51	12°59	6°15	5°28	25°27	24°13	F 13
S 14	19 27 42	21°37'47	24° 8	1°16	9° 6	15°21	0♊13	10°25	24° 4	7°49	12°58	6°D15	5°25	25°34	24° 9	S 14
S 15	19 31 39	22°35'01	6♌46	2°34	10°13	15°17	0°27	10°32	24° 2	7°48	12°56	6°15	5°22	25°41	24° 6	S 15
M16	19 35 35	23°32'16	19°45	3°55	11°19	15°13	0°40	10°38	24° 0	7°46	12°55	6°16	5°18	25°47	24° 3	M16
T 17	19 39 32	24°29'32	3♏ 9	5°21	12°26	15°10	0°53	10°44	23°58	7°45	12°54	6°18	5°15	25°54	23°59	T 17
W18	19 43 28	25°26'48	16°59	6°51	13°33	15° 8	1° 6	10°51	23°56	7°43	12°53	6°19	5°12	26° 1	23°56	W18
T 19	19 47 25	26°24'05	1♉15	8°25	14°40	15° 7	1°19	10°57	23°54	7°41	12°52	6°R19	5° 9	26° 7	23°53	T 19
F 20	19 51 22	27°21'22	15°53	10° 2	15°48	15°D 6	1°32	11° 3	23°52	7°40	12°51	6°19	5° 6	26°14	23°50	F 20
S 21	19 55 18	28°18'40	0♏48	11°44	16°55	15° 7	1°45	11° 9	23°50	7°38	12°50	6°18	5° 3	26°21	23°47	S 21
S 22	19 59 15	29°15'58	15°53	13°29	18° 3	15° 8	1°58	11°15	23°48	7°37	12°49	6°16	4°59	26°27	23°44	S 22
M23	20 3 11	0♏13'17	0♏17	15°17	19°10	15°10	2°11	11°22	23°46	7°35	12°48	6°13	4°56	26°34	23°42	M23
T 24	20 7 8	1°10'36	15°53	17° 9	20°18	15°13	2°24	11°27	23°44	7°33	12°47	6°10	4°53	26°41	23°39	T 24
W25	20 11 4	2° 7'56	0♉32	19° 3	21°26	15°17	2°37	11°33	23°42	7°32	12°46	6° 7	4°50	26°48	23°36	W25
T 26	20 15 1	3° 5'15	14°49	21° 0	22°34	15°22	2°50	11°39	23°39	7°30	12°45	6° 5	4°47	26°54	23°34	T 26
F 27	20 18 58	4° 2'36	28°42	22°59	23°42	15°27	3° 3	11°45	23°37	7°29	12°44	6°D 3	4°43	27° 1	23°31	F 27
S 28	20 22 54	4°59'56	12♊11	25° 0	24°51	15°34	3°15	11°51	23°35	7°27	12°44	6° 4	4°40	27° 8	23°29	S 28
S 29	20 26 51	5°57'17	25°18	27° 3	25°59	15°41	3°28	11°56	23°33	7°25	12°43	6° 5	4°37	27°14	23°26	S 29
M30	20 30 47	6°54'39	8♌ 6	29° 7	27° 7	15°49	3°41	12° 2	23°31	7°24	12°42	6° 6	4°34	27°21	23°24	M30
T 31	20 34 44	7♏52'01	20♌37	1♏11	28♏16	15♌57	3♉53	12♏ 7	23♑28	7♑22	12♌41	6♉ 8	4♉31	27♑28	23♌22	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23n 7	12s28	4n 7	18n52	4s18	16n19	2s46	26s51	4s 1	23n 7	0s18	20n 8	1s41	14s 5	0s45	18s 5
M 2	23 3	16 35	3 16	19 0	4 12	16 35	2 45	26 51	4 2	23 7	0 18	20 9	1 41	14 5	0 45	18 6
T 3	22 58	19 51	2 16	19 9	4 4	16 51	2 44	26 51	4 4	23 8	0 17	20 10	1 41	14 6	0 45	18 6
W 4	22 53	22 7	1 10	19 30	3 55	17 6	2 43	26 51	4 5	23 8	0 17	20 11	1 41	14 6	0 45	18 6
T 5	22 48	23 16	0 2	19 19	3 46	17 21	2 42	26 51	4 7	23 8	0 17	20 12	1 41	14 7	0 45	18 7
F 6	22 42	23 17	1s 5	19 41	3 36	17 36	2 41	26 52	4 8	23 9	0 17	20 13	1 41	14 8	0 45	18 7
S 7	22 36	22 11	2 8	19 54	3 25	17 51	2 39	26 51	4 9	23 9	0 17	20 14	1 41	14 8	0 45	18 8
S 8	22 29	20 7	3 5	20 7	3 14	18 5	2 38	26 51	4 10	23 9	0 17	20 15	1 41	14 9	0 45	18 8
M 9	22 22	17 11	3 54	20 20	3 2	18 19	2 36	26 51	4 11	23 9	0 17	20 15	1 41	14 9	0 45	18 8
T 10	22 15	13 35	4 33	20 34	2 50	18 32	2 35	26 51	4 12	23 9	0 17	20 16	1 41	14 10	0 45	18 9
W11	22 7	9 26	5 0	20 48	2 38	18 45	2 33	26 51	4 13	23 10	0 17	20 17	1 41	14 11	0 45	18 9
T 12	21 59	4 55	5 14	21 1	2 25	18 58	2 31	26 51	4 13	23 10	0 17	20 18	1 42	14 11	0 45	18 10
F 13	21 51	0 10	5 15	21 15	2 12	19 11	2 30	26 51	4 14	23 10	0 17	20 19	1 42	14 12	0 45	18 10
S 14	21 42	4n42	5 1	21 28	1 58	19 23	2 28	26 51	4 14	23 10	0 17	20 20	1 42	14 12	0 45	18 10
S 15	21 33	9 29	4 33	21 40	1 45	19 35	2 26	26 51	4 15	23 10	0 16	20 21	1 42	14 13	0 45	18 11
M16	21 23	13 59	3 50	21 52	1 31	19 46	2 24	26 50	4 15	23 10	0 16	20 22	1 42	14 14	0 45	18 11
T 17	21 13	17 57	2 53	22 3	1 17	19 57	2 21	26 50	4 15	23 10	0 16	20 23	1 42	14 14	0 45	18 12
W18	21 3	21 4	1 45	22 12	1 4	20 7	2 19	26 50	4 15	23 10	0 16	20 23	1 42	14 15	0 45	18 12
T 19	20 52	22 58	0 28	22 20	0 50	20 17	2 17	26 50	4 15	23 10	0 16	20 24	1 42	14 16	0 45	18 12
F 20	20 41	23 22	0n52	22 27	0 37	20 27	2 15	26 50	4 15	23 10	0 16	20 25	1 42	14 16	0 45	18 13
S 21	20 30	22 6	2 11	22 31	0 24	20 36	2 12	26 50	4 15	23 10	0 16	20 26	1 42	14 17	0 45	18 13
S 22	20 18	19 16	3 21	22 34	0 11	20 45	2 10	26 50	4 15	23 10	0 16	20 27	1 42	14 18	0 45	18 14
M23	20 6	15 8	4 17	22 35	0n 1	20 53	2 7	26 50	4 15	23 9	0 16	20 27	1 42	14 19	0 45	18 14
T 24	19 54	10 5	4 55	22 33	0 13	21 1	2 4	26 50	4 15	23 9	0 16	20 28	1 42	14 19	0 45	18 15
W25	19 41	4 34	5 12	22 29	0 24	21 8	2 2	26 50	4 14	23 9	0 16	20 29	1 42	14 20	0 45	18 15
T 26	19 28	1s 4	5 10	22 22	0 35	21 15	1 59	26 51	4 14	23 9	0 16	20 29	1 42	14 21	0 45	18 15
F 27	19 15	6 30	4 50	22 13	0 45	21 21	1 56	26 51	4 14	23 9	0 15	20 30	1 42	14 22	0 45	18 16
S 28	19 1	11 28	4 14	22 1	0 54	21 27	1 53	26 51	4 13	23 9	0 15	20 31	1 43	14 22	0 45	18 16
S 29	18 47	15 46	3 25	21 47	1 3	21 32	1 51	26 51	4 13	23 8	0 15	20 32	1 43	14 23	0 45	18 17
M30	18 33	19 14	2 28	21 29	1 11	21 37	1 48	26 52	4 12	23 8	0 15	20 32	1 43	14 24	0 45	18 17
T 31	18n18	21s43	1n24	21n10	1n18	21n41	1s45	26s52	4s11	23n 8	0s15	20n33	1s43	14s25	0s45	18s18

Julian Day Number = 2452091.5, Delta T = 64.20 sec
Ecliptic obliquity = 23°26'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°45'40, Lahiri = 23°52'41

ASTRODIENST EPHEMERIS for the year 2001

geocentric

AUGUST 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 38 40	8♂49'24	2♂55	3♂17	29♂25	16♂7	4♂6	12♂13	23°R26	7°R20	12°R41	6°R 9	4♂28	27♂34	23°R19	W 1
T 2	20 42 37	9°46'47	15° 3	5°22	0♂34	16°17	4°18	12°18	23♂24	7♂19	12♂40	6♂8	4°24	27°41	23♂17	T 2
F 3	20 46 33	10°44'12	27° 4	7°28	1°43	16°28	4°31	12°23	23°21	7°17	12°39	6° 6	4°21	27°48	23°15	F 3
S 4	20 50 30	11°41'37	9♂0	9°33	2°52	16°40	4°43	12°29	23°19	7°16	12°39	6° 3	4°18	27°54	23°13	S 4
S 5	20 54 27	12°39'03	20°52	11°38	4° 1	16°52	4°55	12°34	23°17	7°14	12°38	5°58	4°15	28° 1	23°11	S 5
M 6	20 58 23	13°36'30	2♂43	13°42	5°10	17° 5	5° 7	12°39	23°14	7°12	12°37	5°51	4°12	28° 8	23°10	M 6
T 7	21 2 20	14°33'58	14°34	15°46	6°19	17°19	5°19	12°44	23°12	7°11	12°37	5°44	4° 8	28°15	23° 8	T 7
W 8	21 6 16	15°31'27	26°28	17°48	7°29	17°33	5°31	12°49	23°10	7° 9	12°36	5°37	4° 5	28°21	23° 6	W 8
T 9	21 10 13	16°28'57	8♂28	19°49	8°38	17°48	5°43	12°54	23° 7	7° 7	12°36	5°31	4° 2	28°28	23° 5	T 9
F 10	21 14 9	17°26'29	20°35	21°49	9°48	18° 4	5°55	12°58	23° 5	7° 6	12°35	5°26	3°59	28°35	23° 3	F 10
S 11	21 18 6	18°24'02	2♂54	23°48	10°58	18°20	6° 7	13° 3	23° 3	7° 4	12°35	5°23	3°56	28°41	23° 2	S 11
S 12	21 22 2	19°21'36	15°29	25°45	12° 8	18°37	6°19	13° 8	23° 0	7° 3	12°35	5°D22	3°53	28°48	23° 0	S 12
M13	21 25 59	20°19'12	28°22	27°41	13°18	18°55	6°31	13°12	22°58	7° 1	12°34	5°22	3°49	28°55	22°59	M13
T 14	21 29 55	21°16'49	11♂40	29°36	14°28	19°13	6°42	13°17	22°55	7° 0	12°34	5°23	3°46	29° 1	22°58	T 14
W15	21 33 52	22°14'28	25°23	1♂29	15°38	19°32	6°54	13°21	22°53	6°58	12°34	5°24	3°43	29° 8	22°57	W15
T 16	21 37 49	23°12'09	9♂33	3°21	16°48	19°51	7° 5	13°25	22°51	6°56	12°33	5°R24	3°40	29°15	22°56	T 16
F 17	21 41 45	24° 9'51	24°10	5°11	17°59	20°11	7°17	13°30	22°48	6°55	12°33	5°23	3°37	29°22	22°55	F 17
S 18	21 45 42	25° 7'34	9♂8	7° 0	19° 9	20°32	7°28	13°34	22°46	6°53	12°33	5°19	3°34	29°28	22°54	S 18
S 19	21 49 38	26° 5'19	24°21	8°47	20°20	20°53	7°39	13°38	22°43	6°52	12°33	5°14	3°30	29°35	22°54	S 19
M20	21 53 35	27° 3'05	9♂38	10°33	21°31	21°15	7°50	13°42	22°41	6°50	12°33	5° 7	3°27	29°42	22°53	M20
T 21	21 57 31	28° 0'52	24°48	12°18	22°41	21°37	8° 1	13°46	22°39	6°49	12°32	4°59	3°24	29°48	22°53	T 21
W22	22 1 28	28°58'40	9♂42	14° 1	23°52	22° 0	8°12	13°49	22°36	6°47	12°32	4°51	3°21	29°55	22°52	W22
T 23	22 5 24	29°56'30	24°12	15°43	25° 3	22°23	8°23	13°53	22°34	6°46	12°32	4°45	3°18	0♂ 2	22°52	T 23
F 24	22 9 21	0♂54'21	8♂13	17°23	26°14	22°47	8°34	13°56	22°32	6°44	12°D32	4°41	3°14	0° 8	22°52	F 24
S 25	22 13 18	1°52'13	21°46	19° 2	27°25	23°11	8°45	14° 0	22°29	6°43	12°32	4°38	3°11	0°15	22°51	S 25
S 26	22 17 14	2°50'06	4♂52	20°40	28°36	23°36	8°55	14° 3	22°27	6°41	12°32	4°D38	3° 8	0°22	22°D51	S 26
M27	22 21 11	3°48'01	17°35	22°16	29°48	24° 1	9° 6	14° 7	22°25	6°40	12°33	4°39	3° 5	0°29	22°51	M27
T 28	22 25 7	4°45'57	29°59	23°51	0♂59	24°27	9°16	14°10	22°22	6°39	12°33	4°R39	3° 2	0°35	22°51	T 28
W29	22 29 4	5°43'54	12♂3	25°25	2°10	24°53	9°26	14°13	22°20	6°37	12°33	4°39	2°59	0°42	22°52	W29
T 30	22 33 0	6°41'52	24° 9	26°57	3°22	25°20	9°37	14°16	22°18	6°36	12°33	4°37	2°55	0°49	22°52	T 30
F 31	22 36 57	7♂39'52	6♂3	28♂28	4♂33	25♂47	9♂47	14♂19	22♂15	6♂35	12♂33	4♂33	2♂52	0♂55	22♂52	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n 3	23s 7	0n18	20n47	1n24	21n45	1s42	26s52	4s11	23n 7	0s15	20n33	1s43	14s25	0s45	18s18
T 2	17 48	23 24	0s49	20 23	1 30	21 48	1 39	26 53	4 10	23 7	0 15	20 34	1 43	14 26	0 45	18 18
F 3	17 32	22 34	1 52	19 55	1 34	21 50	1 36	26 53	4 9	23 7	0 15	20 35	1 43	14 27	0 45	18 19
S 4	17 17	20 44	2 49	19 26	1 38	21 52	1 33	26 54	4 9	23 6	0 15	20 35	1 43	14 28	0 45	18 19
S 5	17 1	18 0	3 39	18 55	1 41	21 53	1 29	26 54	4 8	23 6	0 15	20 36	1 43	14 28	0 45	18 20
M 6	16 44	14 32	4 20	18 22	1 43	21 54	1 26	26 55	4 7	23 6	0 15	20 36	1 43	14 29	0 45	18 20
T 7	16 28	10 31	4 49	17 47	1 45	21 54	1 23	26 55	4 6	23 5	0 15	20 37	1 43	14 30	0 45	18 21
W 8	16 11	6 4	5 5	17 10	1 46	21 54	1 20	26 56	4 5	23 5	0 15	20 37	1 43	14 31	0 45	18 21
T 9	15 54	1 23	5 9	16 33	1 46	21 53	1 17	26 56	4 4	23 4	0 15	20 38	1 44	14 32	0 46	18 21
F 10	15 36	3n25	4 59	15 54	1 45	21 52	1 13	26 57	4 3	23 4	0 14	20 38	1 44	14 32	0 46	18 22
S 11	15 19	8 10	4 45	15 14	1 44	21 49	1 10	26 57	4 2	23 4	0 14	20 39	1 44	14 33	0 46	18 22
S 12	15 1	12 42	3 57	14 32	1 42	21 47	1 7	26 57	4 1	23 3	0 14	20 39	1 44	14 34	0 46	18 23
M13	14 43	16 46	3 7	13 50	1 40	21 43	1 3	26 58	4 0	23 3	0 14	20 40	1 44	14 35	0 46	18 23
T 14	14 24	20 7	2 5	13 8	1 37	21 39	1 0	26 58	3 59	23 2	0 14	20 40	1 44	14 36	0 46	18 23
W15	14 6	22 28	0 54	12 24	1 34	21 35	0 57	26 59	3 58	23 2	0 14	20 41	1 44	14 36	0 46	18 24
T 16	13 47	23 28	0n22	11 41	1 30	21 30	0 53	26 59	3 57	23 1	0 14	20 41	1 44	14 37	0 46	18 24
F 17	13 28	22 55	1 39	10 56	1 26	21 24	0 50	27 0	3 56	23 0	0 14	20 42	1 44	14 38	0 46	18 25
S 18	13 9	20 43	2 51	10 12	1 21	21 18	0 47	27 0	3 55	23 0	0 14	20 42	1 44	14 39	0 46	18 25
S 19	12 49	17 3	3 52	9 27	1 16	21 11	0 43	27 0	3 53	22 59	0 14	20 42	1 45	14 39	0 46	18 25
M20	12 30	12 14	4 37	8 42	1 11	21 4	0 40	27 1	3 52	22 59	0 14	20 43	1 45	14 40	0 46	18 26
T 21	12 10	6 40	5 1	7 57	1 5	20 56	0 37	27 1	3 51	22 58	0 14	20 43	1 45	14 41	0 46	18 26
W22	11 50	0 50	5 5	7 12	0 59	20 47	0 33	27 1	3 50	22 58	0 14	20 43	1 45	14 42	0 46	18 27
T 23	11 30	4s54	4 49	6 26	0 52	20 38	0 30	27 1	3 49	22 57	0 13	20 44	1 45	14 43	0 46	18 27
F 24	11 9	10 13	4 16	5 41	0 46	20 28	0 27	27 2	3 47	22 56	0 13	20 44	1 45	14 43	0 46	18 27
S 25	10 49	14 51	3 29	4 56	0 39	20 18	0 23	27 2	3 46	22 56	0 13	20 44	1 45	14 44	0 46	18 28
S 26	10 28	18 36	2 32	4 11	0 32	20 7	0 20	27 2	3 45	22 55	0 13	20 45	1 45	14 45	0 46	18 28
M27	10 7	21 22	1 30	3 27	0 25	19 55	0 17	27 1	3 43	22 54	0 13	20 45	1 46	14 46	0 46	18 28
T 28	9 46	23 1	0 25	2 42	0 17	19 43	0 14	27 1	3 42	22 54	0 13	20 45	1 46	14 46	0 46	18 29
W29	9 25	23 33	0s40	1 58	0 10	19 30	0 10	27 1	3 41	22 53	0 13	20 45	1 46	14 47	0 46	18 29
T 30	9 3	22 58	1 42	1 14	0 2	19 17	0 7	27 1	3 40	22 53	0 13	20 46	1 46	14 48	0 46	18 30
F 31	8n42	21s20	2s39	0n31	0s 6	19n 3	0s 4	27s 0	3s38	22n52	0s13	20n46	1s46	14s49	0s46	18s30

Julian Day Number = 2452122.5, Delta T = 64.22 sec
 Ecliptic obliquity = 23°26'20", Nutation = - 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°45'45", Lahiri = 23°52'45"

ASTRODIENST EPHEMERIS for the year 2001

geocentric

SEPTEMBER 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 53	8♍37°54	17♋54	29♍58	5♌45	26♊14	9♏57	14♏22	22°R13	6°R33	12♊34	4°R26	2♏49	1♋2	22♊53	S 1
S 2	22 44 50	9°35'57	29°44	1♏26	6°57	26°42	10° 7	14°24	22°11	6°32	12°34	4°16	2°46	1° 9	22°53	S 2
M 3	22 48 47	10°34'01	11♋36	2°53	8° 8	27°10	10°16	14°27	22° 9	6°31	12°34	4° 5	2°43	1°15	22°54	M 3
T 4	22 52 43	11°32'07	23°32	4°19	9°20	27°39	10°26	14°29	22° 6	6°29	12°34	3°52	2°40	1°22	22°55	T 4
W 5	22 56 40	12°30'15	5♊32	5°43	10°32	28° 8	10°36	14°32	22° 4	6°28	12°35	3°40	2°36	1°29	22°55	W 5
T 6	23 0 36	13°28'24	17°37	7° 6	11°44	28°37	10°45	14°34	22° 2	6°27	12°35	3°29	2°33	1°36	22°56	T 6
F 7	23 4 33	14°26'36	29°51	8°27	12°56	29° 7	10°54	14°36	22° 0	6°26	12°36	3°19	2°30	1°42	22°57	F 7
S 8	23 8 29	15°24'49	12♋14	9°47	14° 9	29°37	11° 4	14°38	21°58	6°25	12°36	3°12	2°27	1°49	22°58	S 8
S 9	23 12 26	16°23'05	24°51	11° 6	15°21	0♏8	11°13	14°40	21°56	6°23	12°37	3° 8	2°24	1°56	23° 0	S 9
M10	23 16 22	17°21'22	7♏43	12°23	16°33	0°39	11°22	14°42	21°53	6°22	12°37	3° 6	2°20	2° 2	23° 1	M10
T 11	23 20 19	18°19'42	20°54	13°38	17°46	1°10	11°31	14°44	21°51	6°21	12°38	3°D 6	2°17	2° 9	23° 2	T 11
W12	23 24 16	19°18'04	4♏29	14°52	18°58	1°41	11°39	14°46	21°49	6°20	12°39	3°R 6	2°14	2°16	23° 4	W12
T 13	23 28 12	20°16'28	18°28	16° 3	20°11	2°13	11°48	14°47	21°47	6°19	12°39	3° 5	2°11	2°22	23° 5	T 13
F 14	23 32 9	21°14'54	2♌52	17°13	21°23	2°45	11°57	14°49	21°45	6°18	12°40	3° 3	2° 8	2°29	23° 7	F 14
S 15	23 36 5	22°13'22	17°40	18°21	22°36	3°18	12° 5	14°50	21°43	6°17	12°41	2°58	2° 5	2°36	23° 8	S 15
S 16	23 40 2	23°11'53	2♍45	19°27	23°49	3°51	12°13	14°52	21°41	6°16	12°41	2°50	2° 1	2°43	23°10	S 16
M17	23 43 58	24°10'25	17°58	20°31	25° 2	4°24	12°21	14°53	21°40	6°15	12°42	2°40	1°58	2°49	23°12	M17
T 18	23 47 55	25° 8'59	3♏9	21°33	26°14	4°57	12°29	14°54	21°38	6°14	12°43	2°29	1°55	2°56	23°14	T 18
W19	23 51 51	26° 7'34	18° 8	22°32	27°27	5°31	12°37	14°55	21°36	6°13	12°44	2°18	1°52	3° 3	23°16	W19
T 20	23 55 48	27° 6'12	2♌44	23°28	28°40	6° 5	12°45	14°55	21°34	6°12	12°45	2° 8	1°49	3° 9	23°18	T 20
F 21	23 59 45	28° 4'52	16°53	24°22	29°53	6°39	12°52	14°56	21°32	6°11	12°46	2° 1	1°45	3°16	23°20	F 21
S 22	0 3 41	29° 3'33	0♊32	25°12	1♍7	7°13	13° 0	14°57	21°30	6°11	12°46	1°57	1°42	3°23	23°23	S 22
S 23	0 7 38	0♏2'16	13°43	25°59	2°20	7°48	13° 7	14°57	21°29	6°10	12°47	1°54	1°39	3°30	23°25	S 23
M24	0 11 34	1° 1'01	26°27	26°43	3°33	8°23	13°14	14°58	21°27	6° 9	12°48	1°54	1°36	3°36	23°28	M24
T 25	0 15 31	1°59'47	8♏51	27°23	4°46	8°58	13°21	14°58	21°25	6° 8	12°50	1°54	1°33	3°43	23°30	T 25
W26	0 19 27	2°58'35	20°59	27°58	6° 0	9°34	13°28	14°58	21°24	6° 7	12°51	1°53	1°30	3°50	23°33	W26
T 27	0 23 24	3°57'25	2♋56	28°29	7°13	10°10	13°35	14°R58	21°22	6° 7	12°52	1°51	1°26	3°56	23°36	T 27
F 28	0 27 20	4°56'16	14°48	28°55	8°27	10°46	13°41	14°58	21°21	6° 6	12°53	1°46	1°23	4° 3	23°38	F 28
S 29	0 31 17	5°55'10	26°38	29°15	9°40	11°22	13°48	14°58	21°19	6° 6	12°54	1°38	1°20	4°10	23°41	S 29
S 30	0 35 14	6♏54°05	8♋29	29♏30	10♍54	11♏58	13♏54	14♏58	21°18	6° 5	12°55	1°27	1°17	4°16	23°44	S 30

Day	☉	☾			♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n20	18s47	3s29	0s12	0s14	18n49	0s 1	27s 0	3s37	22n51	0s13	20n46	1s46	14s49	0s45	18s30	0n 8	12s 7	10n16	23n22	23n25	15s12	17s 9	6n 6			
S 2	7 58	15 27	4 9	0 55	0 22	18 34	0n 2	26 59	3 35	22 51	0 13	20 46	1 46	14 50	0 45	18 31	0 8	12 7	10 16	23 22	23 25	15 10	17 10	6 5			
M 3	7 36	11 31	4 39	1 37	0 31	18 19	0 5	26 59	3 34	22 50	0 13	20 46	1 46	14 51	0 45	18 31	0 8	12 8	10 15	23 23	23 25	15 8	17 10	6 5			
T 4	7 14	7 7	4 57	2 19	0 39	18 3	0 8	26 58	3 33	22 49	0 13	20 46	1 46	14 51	0 45	18 31	0 8	12 8	10 15	23 23	23 25	15 6	17 11	6 5			
W 5	6 52	2 25	5 1	3 0	0 47	17 47	0 11	26 57	3 31	22 49	0 13	20 47	1 47	14 52	0 45	18 32	0 8	12 9	10 14	23 23	23 25	15 4	17 11	6 4			
T 6	6 30	2n24	4 53	3 40	0 56	17 30	0 14	26 56	3 30	22 48	0 12	20 47	1 47	14 53	0 45	18 32	0 8	12 9	10 14	23 24	23 25	15 2	17 12	6 4			
F 7	6 7	7 12	4 30	4 20	1 4	17 13	0 17	26 55	3 29	22 47	0 12	20 47	1 47	14 54	0 45	18 32	0 8	12 10	10 13	23 24	23 25	15 0	17 12	6 3			
S 8	5 45	11 46	3 55	5 0	1 13	16 55	0 20	26 53	3 27	22 46	0 12	20 47	1 47	14 54	0 45	18 33	0 8	12 10	10 13	23 24	23 25	14 58	17 13	6 3			
S 9	5 22	15 56	3 8	5 38	1 21	16 36	0 23	26 52	3 26	22 46	0 12	20 47	1 47	14 55	0 45	18 33	0 8	12 11	10 13	23 24	23 25	14 56	17 13	6 2			
M10	5 0	19 27	2 10	6 16	1 30	16 17	0 26	26 51	3 24	22 45	0 12	20 47	1 47	14 56	0 45	18 33	0 8	12 11	10 12	23 24	23 25	14 54	17 14	6 2			
T 11	4 37	22 4	1 4	6 53	1 38	15 58	0 29	26 49	3 23	22 44	0 12	20 47	1 47	14 56	0 45	18 33	0 8	12 12	10 12	23 24	23 25	14 52	17 14	6 1			
W12	4 14	23 29	0n 7	7 30	1 47	15 38	0 32	26 47	3 21	22 44	0 12	20 47	1 47	14 57	0 45	18 34	0 8	12 12	10 11	23 24	23 25	14 50	17 15	6 1			
T 13	3 51	23 30	1 20	8 5	1 55	15 18	0 34	26 45	3 20	22 43	0 12	20 47	1 48	14 58	0 45	18 34	0 8	12 13	10 11	23 24	23 25	14 48	17 15	6 1			
F 14	3 28	21 57	2 31	8 40	2 3	14 57	0 37	26 43	3 18	22 42	0 12	20 47	1 48	14 58	0 45	18 34	0 8	12 13	10 10	23 24	23 25	14 46	17 16	6 0			
S 15	3 5	18 54	3 32	9 13	2 11	14 36	0 40	26 41	3 17	22 42	0 12	20 47	1 48	14 59	0 45	18 35	0 8	12 14	10 10	23 24	23 25	14 44	17 17	6 0			
S 16	2 42	14 33	4 21	9 46	2 19	14 15	0 42	26 38	3 16	22 41	0 12	20 47	1 48	14 59	0 45	18 35	0 8	12 14	10 10	23 25	23 25	14 42	17 17	5 59			
M17	2 19	9 13	4 51	10 17	2 27	13 53	0 45	26 36	3 14	22 40	0 12	20 47	1 48	15 0	0 45	18 35	0 8	12 15	10 9	23 25	23 25	14 40	17 18	5 59			
T 18	1 56	3 20	5 0	10 47	2 35	13 31	0 47	26 33	3 13	22 40	0 12	20 47	1 48	15 1	0 45	18 35	0 8	12 15	10 9	23 25	23 26	14 37	17 18	5 58			
W19	1 32	2s39	4 49	11 16	2 42	13 8	0 50	26 30	3 11	22 39	0 11	20 47	1 48	15 1	0 45	18 36	0 8	12 16	10 8	23 25	23 26	14 35	17 19	5 58			
T 20	1 9	8 22	4 19	11 44	2 49	12 45	0 52	26 27	3 10	22 38	0 11	20 47	1 49	15 2	0 45	18 36	0 8	12 16	10 8	23 25	23 26	14 33	17 19	5 57			
F 21	0 46	13 28	3 34	12 10	2 56	12 21	0 54	26 24	3 8	22 38	0 11	20 47	1 49	15 2	0 45	18 36	0 8	12 17	10 7	23 25	23 26	14 31	17 20	5 57			
S 22	0 22	17 42	2 38	12 35	3 3	11 58	0 57	26 21	3 7	22 37	0 11	20 47	1 49	15 3	0 45	18 36	0 8	12 17	10 7	23 25	23 26	14 29	17 20	5 57			
S 23	0s 1	20 53	1 35	12 58	3 9	11 34	0 59	26 17	3 5	22 36	0 11	20 47	1 49	15 3	0 45	18 36	0 8	12 18	10 7	23 26	23 26	14 27	17 21	5 56			
M24	0 24	22 55	0 29	13 20	3 15	11 9	1 1	26 14	3 4	22 36	0 11	20 47	1 49	15 4	0 45	18 37	0 8	12 18	10 6	23 26	23 26	14 25	17 21	5 56			
T 25	0 48	23 45	0s37	13 39	3 20	10 44	1 3	26 10	3 2	22 35	0 11	20 47	1 49	15 4	0 45	18 37	0 8	12 19	10 6	23 26	23 26	14 23	17 22	5 55			
W26	1 11	23 26	1 39	13 57	3 25	10 19	1 5	26 6	3 1	22 35	0 11	20 47	1 49	15 5	0 45	18 37	0 8	12 19	10 5	23 26	23 26	14 21	17 22	5 55			
T 27	1 34	22 2	2 36	14 12	3 30	9 54	1 7	26 2	2 59	22 34	0 11	20 47	1 49	15 5	0 45	18 37	0 8	12 20	10 5	23 26	23 26	14 19	17 23	5 54			
F 28	1 58	19 40	3 26	14 25	3 33	9 28	1 9	25 57	2 58	22 33	0 11	20 47	1 50	15 6	0 45	18 37	0 8	12 21	10 5	23 26	23 26	14 17	17 24	5 54			
S 29	2 21	16 30	4 6	14 35	3 36	9 2	1 11	25 53	2 56	22 33	0 11	20 47	1 50	15 6	0 45	18 38	0 8	12 21	10 4	23 26	23 26	14 15	17 24	5 54			
S 30	2s44	12s39	4s36	14s42	3s38	8n36	1n12	25s48	2s55	22n32	0s11	20n46	1s50	15s 7	0s45	18s38	0n 8	12s22	10n 4	23n26	23n26	14s13	17s25	5n53			

ASTRODIENST EPHEMERIS for the year 2001

geocentric

OCTOBER 2001

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 39 10	7♂53'02	20♂25	29♂39	12♂7	12♂35	14♂0	14♂R57	21♂R16	6♂R 4	12♂56	1♂R15	1♂14	4♂23	23♂47	M 1
T 2	0 43 7	8♂52'01	2♂Y27	29♂R41	13°21	13°12	14° 6	14♂II57	21♂15	6♂4	12°58	1♂1	1°11	4°30	23°50	T 2
W 3	0 47 3	9♂51'01	14°36	29°36	14°35	13°49	14°12	14°56	21°14	6° 3	12°59	0°47	1° 7	4°37	23°54	W 3
T 4	0 51 0	10°50'04	26°54	29°24	15°49	14°26	14°17	14°55	21°12	6° 3	13° 0	0°34	1° 4	4°43	23°57	T 4
F 5	0 54 56	11°49'09	9♂20	29° 4	17° 2	15° 4	14°23	14°55	21°11	6° 2	13° 1	0°23	1° 1	4°50	24° 0	F 5
S 6	0 58 53	12°48'17	21°56	28°36	18°16	15°41	14°28	14°54	21°10	6° 2	13° 3	0°15	0°58	4°57	24° 4	S 6
S 7	1 2 49	13°47'26	4♂II42	28° 0	19°30	16°19	14°33	14°53	21° 9	6° 2	13° 4	0°10	0°55	5° 3	24° 7	S 7
M 8	1 6 46	14°46'38	17°42	27°17	20°44	16°57	14°38	14°52	21° 8	6° 1	13° 6	0° 8	0°51	5°10	24°11	M 8
T 9	1 10 42	15°45'52	0♂56	26°26	21°58	17°35	14°43	14°50	21° 6	6° 1	13° 7	0°D 7	0°48	5°17	24°14	T 9
W10	1 14 39	16°45'09	14°28	25°28	23°12	18°14	14°47	14°49	21° 5	6° 1	13° 8	0°R 8	0°45	5°24	24°18	W10
T 11	1 18 36	17°44'28	28°18	24°24	24°27	18°52	14°52	14°47	21° 4	6° 0	13°10	0° 7	0°42	5°30	24°22	T 11
F 12	1 22 32	18°43'49	12♂II29	23°16	25°41	19°31	14°56	14°46	21° 3	6° 0	13°11	0° 5	0°39	5°37	24°26	F 12
S 13	1 26 29	19°43'12	26°58	22° 5	26°55	20°10	15° 0	14°44	21° 3	6° 0	13°13	0° 1	0°36	5°44	24°30	S 13
S 14	1 30 25	20°42'38	11♂II43	20°52	28° 9	20°49	15° 4	14°42	21° 2	6° 0	13°15	29♂II54	0°32	5°50	24°34	S 14
M15	1 34 22	21°42'06	26°37	19°40	29°24	21°28	15° 7	14°41	21° 1	6° 0	13°16	29°45	0°29	5°57	24°38	M15
T 16	1 38 18	22°41'36	11♂II32	18°32	0♂II38	22° 8	15°11	14°39	21° 0	6° 0	13°18	29°34	0°26	6° 4	24°42	T 16
W17	1 42 15	23°41'08	26°19	17°28	1°53	22°47	15°14	14°36	20°59	6°D 0	13°19	29°24	0°23	6°11	24°46	W17
T 18	1 46 11	24°40'42	10♂II49	16°31	3° 7	23°27	15°17	14°34	20°59	6°D 0	13°21	29°15	0°20	6°17	24°50	T 18
F 19	1 50 8	25°40'18	24°57	15°42	4°21	24° 7	15°20	14°32	20°58	6° 0	13°23	29° 8	0°17	6°24	24°55	F 19
S 20	1 54 5	26°39'56	8♂II37	15° 3	5°36	24°47	15°23	14°30	20°58	6° 0	13°25	29° 4	0°13	6°31	24°59	S 20
S 21	1 58 1	27°39'36	21°51	14°35	6°51	25°27	15°26	14°27	20°57	6° 0	13°26	29° 2	0°10	6°37	25° 3	S 21
M22	2 1 58	28°39'18	4♂II39	14°18	8° 5	26° 7	15°28	14°25	20°57	6° 0	13°28	29°D 2	0° 7	6°44	25° 8	M22
T 23	2 5 54	29°39'01	17° 6	14°D12	9°20	26°48	15°30	14°22	20°56	6° 0	13°30	29° 3	0° 4	6°51	25°13	T 23
W24	2 9 51	0♂II38'47	29°17	14°17	10°34	27°28	15°32	14°19	20°56	6° 0	13°32	29°R 3	0° 1	6°58	25°17	W24
T 25	2 13 47	1°38'33	11♂II15	14°34	11°49	28° 9	15°34	14°16	20°55	6° 0	13°33	29° 3	29♂II57	7° 4	25°22	T 25
F 26	2 17 44	2°38'22	23° 8	15° 0	13° 4	28°50	15°36	14°13	20°55	6° 1	13°35	29° 0	29°54	7°11	25°27	F 26
S 27	2 21 40	3°38'12	4♂II58	15°36	14°19	29°30	15°37	14°10	20°55	6° 1	13°37	28°55	29°51	7°18	25°32	S 27
S 28	2 25 37	4°38'04	16°52	16°20	15°33	0♂II11	15°38	14° 7	20°55	6° 1	13°39	28°48	29°48	7°24	25°36	S 28
M29	2 29 34	5°37'52	28°52	17°12	16°48	0°53	15°39	14° 4	20°55	6° 2	13°41	28°40	29°45	7°31	25°41	M29
T 30	2 33 30	6°37'52	11°Y 1	18°11	18° 3	1°34	15°40	14° 1	20°55	6° 2	13°43	28°30	29°42	7°38	25°46	T 30
W31	2 37 27	7♂II37'50	23°Y21	19♂II16	19♂II18	2♂II15	15♂II41	13♂II57	20°D55	6♂4	13♂II45	28♂II20	29♂II38	7♂II44	25♂II51	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	3s 8	8s18	4s54	14s46	3s39	8n 9	1n14	25s43	2s53	22n32	0s10	20n46	1s50	1s 7	0s45	18s38
T 2	3 31	3 36	5 0	14 47	3 39	7 42	1 16	25 38	2 52	22 31	0 10	20 46	1 50	15 8	0 45	18 38
W 3	3 54	1n17	4 51	14 44	3 38	7 15	1 17	25 33	2 50	22 31	0 10	20 46	1 50	15 8	0 45	18 38
T 4	4 17	6 11	4 29	14 37	3 36	6 48	1 19	25 27	2 49	22 30	0 10	20 46	1 50	15 8	0 45	18 38
F 5	4 40	10 54	3 54	14 26	3 32	6 21	1 20	25 21	2 47	22 30	0 10	20 45	1 50	15 9	0 45	18 38
S 6	5 3	15 14	3 7	14 11	3 26	5 53	1 21	25 15	2 46	22 29	0 10	20 45	1 50	15 9	0 45	18 39
S 7	5 26	18 57	2 10	13 52	3 19	5 25	1 23	25 9	2 44	22 29	0 10	20 45	1 51	15 9	0 45	18 39
M 8	5 49	21 47	1 5	13 28	3 10	4 57	1 24	25 3	2 42	22 28	0 10	20 45	1 51	15 10	0 45	18 39
T 9	6 12	23 30	0n 4	12 59	2 59	4 29	1 25	24 57	2 41	22 28	0 10	20 45	1 51	15 10	0 45	18 39
W10	6 35	23 54	1 15	12 26	2 47	4 1	1 26	24 50	2 39	22 28	0 10	20 44	1 51	15 10	0 45	18 39
T 11	6 58	22 51	2 24	11 49	2 32	3 32	1 27	24 43	2 38	22 27	0 10	20 44	1 51	15 11	0 45	18 39
F 12	7 20	20 20	3 25	11 9	2 16	3 4	1 28	24 36	2 36	22 27	0 10	20 44	1 51	15 11	0 45	18 39
S 13	7 43	16 30	4 14	10 25	1 58	2 35	1 29	24 29	2 35	22 26	0 9	20 43	1 51	15 11	0 45	18 39
S 14	8 5	11 36	4 47	9 41	1 39	2 6	1 30	24 21	2 33	22 26	0 9	20 43	1 51	15 12	0 45	18 39
M15	8 27	5 58	5 2	8 55	1 19	1 37	1 30	24 13	2 32	22 26	0 9	20 43	1 51	15 12	0 45	18 39
T 16	8 50	0s 1	4 56	8 10	0 59	1 8	1 31	24 6	2 30	22 25	0 9	20 42	1 52	15 12	0 45	18 39
W17	9 12	5 58	4 30	7 26	0 38	0 39	1 31	23 57	2 29	22 25	0 9	20 42	1 52	15 12	0 44	18 39
T 18	9 34	11 28	3 47	6 46	0 18	0 10	1 32	23 49	2 27	22 25	0 9	20 42	1 52	15 12	0 44	18 39
F 19	9 55	16 14	2 51	6 9	0n 2	0s19	1 32	23 41	2 26	22 25	0 9	20 41	1 52	15 13	0 44	18 39
S 20	10 17	19 59	1 47	5 36	0 21	0 48	1 33	23 32	2 24	22 24	0 9	20 41	1 52	15 13	0 44	18 39
S 21	10 38	22 33	0 38	5 9	0 39	1 18	1 33	23 23	2 23	22 24	0 9	20 41	1 52	15 13	0 44	18 39
M22	11 0	23 51	0s30	4 48	0 55	1 47	1 33	23 14	2 21	22 24	0 9	20 40	1 52	15 13	0 44	18 39
T 23	11 21	23 55	1 35	4 32	1 9	2 16	1 33	23 5	2 20	22 24	0 8	20 40	1 52	15 13	0 44	18 39
W24	11 42	22 49	2 34	4 22	1 22	2 45	1 33	22 55	2 18	22 24	0 8	20 40	1 52	15 13	0 44	18 39
T 25	12 3	20 42	3 26	4 18	1 34	3 15	1 33	22 46	2 17	22 24	0 8	20 39	1 52	15 13	0 44	18 39
F 26	12 23	17 43	4 8	4 19	1 43	3 44	1 33	22 36	2 15	22 24	0 8	20 39	1 52	15 13	0 44	18 39
S 27	12 44	14 1	4 40	4 26	1 51	4 13	1 33	22 26	2 13	22 23	0 8	20 38	1 52	15 13	0 44	18 39
S 28	13 4	9 46	4 59	4 37	1 58	4 42	1 33	22 15	2 12	22 23	0 8	20 38	1 53	15 13	0 44	18 39
M29	13 24	5 7	5 6	4 52	2 3	5 11	1 32	22 5	2 10	22 23	0 8	20 37	1 53	15 13	0 44	18 39
T 30	13 44	0 13	4 58	5 11	2 6	5 40	1 32	21 54	2 9	22 23	0 8	20 37	1 53	15 13	0 44	18 39
W31	14s 3	4n46	4s37	5s34	2n 9	6s 9	1n31	21s44	2s 7	22n23	0s 8	20n37	1s53	15s13	0s44	18s39

Julian Day Number = 2452183.5, Delta T = 64.25 sec
 Ecliptic obliquity = 23°26'21", Nutation = - 0°00'18", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°45'53", Lahiri = 23°52'53"

ASTRODIENST EPHEMERIS for the year 2001

geocentric

NOVEMBER 2001

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 41 23	8♉37°48	5♊52	20♈27	20♈33	2♊56	15♈41	13°R54	20♈55	6♈ 3	13♈47	28°R11	29♈35	7♈51	25♈57	T 1
F 2	2 45 20	9°37'49	18°36	21°42	21°48	3°38	15°41	13°II50	20°55	6° 3	13°49	28°II 3	29°32	7°58	26° 2	F 2
S 3	2 49 16	10°37'52	1°II31	23° 1	23° 3	4°20	15°R41	13°46	20°55	6° 4	13°51	27°58	29°29	8° 5	26° 7	S 3
S 4	2 53 13	11°37'57	14°37	24°23	24°18	5° 1	15°41	13°43	20°55	6° 4	13°53	27°55	29°26	8°11	26°12	S 4
M 5	2 57 9	12°38'04	27°55	25°48	25°33	5°43	15°41	13°39	20°55	6° 5	13°55	27°D54	29°22	8°18	26°18	M 5
T 6	3 1 6	13°38'12	11♊24	27°15	26°48	6°25	15°40	13°35	20°56	6° 6	13°57	27°55	29°19	8°25	26°23	T 6
W 7	3 5 3	14°38'23	25° 4	28°45	28° 3	7° 7	15°40	13°31	20°56	6° 6	13°59	27°56	29°16	8°31	26°28	W 7
T 8	3 8 59	15°38'36	8♊57	0♉16	29°18	7°49	15°39	13°27	20°56	6° 7	14° 1	27°57	29°13	8°38	26°34	T 8
F 9	3 12 56	16°38'51	23° 1	1°48	0♉33	8°31	15°37	13°23	20°57	6° 8	14° 3	27°R57	29°10	8°45	26°39	F 9
S 10	3 16 52	17°39'08	7♊15	3°21	1°48	9°13	15°36	13°19	20°57	6° 8	14° 5	27°55	29° 7	8°52	26°45	S 10
S 11	3 20 49	18°39'27	21°38	4°55	3° 3	9°56	15°35	13°15	20°58	6° 9	14° 7	27°52	29° 3	8°58	26°50	S 11
M12	3 24 45	19°39'48	6♊ 6	6°30	4°18	10°38	15°33	13°11	20°58	6°10	14° 9	27°47	29° 0	9° 5	26°56	M12
T 13	3 28 42	20°40'11	20°34	8° 5	5°34	11°21	15°31	13° 6	20°59	6°11	14°12	27°41	28°57	9°12	27° 2	T 13
W14	3 32 38	21°40'36	4♉55	9°40	6°49	12° 3	15°29	13° 2	21° 0	6°12	14°14	27°35	28°54	9°18	27° 8	W14
T 15	3 36 35	22°41'02	19° 5	11°16	8° 4	12°46	15°26	12°57	21° 0	6°13	14°16	27°30	28°51	9°25	27°13	T 15
F 16	3 40 32	23°41'30	2♊57	12°52	9°19	13°28	15°24	12°53	21° 1	6°14	14°18	27°26	28°48	9°32	27°19	F 16
S 17	3 44 28	24°42'00	16°29	14°28	10°35	14°11	15°21	12°48	21° 2	6°15	14°20	27°24	28°44	9°39	27°25	S 17
S 18	3 48 25	25°42'31	29°39	16° 3	11°50	14°54	15°18	12°44	21° 3	6°16	14°23	27°D24	28°41	9°45	27°31	S 18
M19	3 52 21	26°43'04	12♊27	17°39	13° 5	15°37	15°15	12°39	21° 4	6°17	14°25	27°24	28°38	9°52	27°37	M19
T 20	3 56 18	27°43'38	24°56	19°15	14°20	16°20	15°11	12°35	21° 5	6°18	14°27	27°26	28°35	9°59	27°43	T 20
W21	4 0 14	28°44'13	7♊ 8	20°51	15°36	17° 3	15° 8	12°30	21° 6	6°19	14°29	27°28	28°32	10° 6	27°49	W21
T 22	4 4 11	29°44'50	19° 9	22°26	16°51	17°46	15° 4	12°25	21° 7	6°20	14°31	27°29	28°28	10°12	27°55	T 22
F 23	4 8 7	0♊45'27	1♊ 3	24° 2	18° 6	18°29	15° 0	12°20	21° 8	6°21	14°34	27°R30	28°25	10°19	28° 1	F 23
S 24	4 12 4	1°46'06	12°55	25°37	19°22	19°12	14°56	12°16	21° 9	6°22	14°36	27°29	28°22	10°26	28° 7	S 24
S 25	4 16 1	2°46'45	24°50	27°12	20°37	19°55	14°52	12°11	21°11	6°24	14°38	27°27	28°19	10°32	28°13	S 25
M26	4 19 57	3°47'26	6♊52	28°47	21°52	20°38	14°47	12° 6	21°12	6°25	14°40	27°24	28°16	10°39	28°19	M26
T 27	4 23 54	4°48'08	19° 4	0♊22	23° 8	21°22	14°43	12° 1	21°13	6°26	14°43	27°21	28°13	10°46	28°25	T 27
W28	4 27 50	5°48'51	1♊31	1°57	24°23	22° 5	14°38	11°56	21°15	6°27	14°45	27°17	28° 9	10°53	28°31	W28
T 29	4 31 47	6°49'36	14°14	3°32	25°39	22°48	14°33	11°51	21°16	6°29	14°47	27°14	28° 6	10°59	28°38	T 29
F 30	4 35 43	7♊50'21	27♊14	5♊ 6	26♉54	23♈32	14♈28	11°II46	21♈18	6♈30	14♈50	27°II11	28°II 3	11♈ 6	28♈44	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	14s23	9n40	4s 3	5s59	2n10	6s37	1n31	21s33	2s 6	22n23	0s 8	20n36	1s53	15s13	0s44	18s39	0n 7	12s38	9n53	23n26	23n26	13s 3	17s41	5n42	
F 2	14 42	14 13	3 15	6 27	2 10	7 6	1 30	21 21	2 4	22 24	0 7	20 36	1 53	15 13	0 44	18 39	0 7	12 39	9 53	23 25	23 26	13 1	17 41	5 42	
S 3	15 1	18 13	2 17	6 57	2 9	7 34	1 30	21 10	2 3	22 24	0 7	20 35	1 53	15 13	0 44	18 38	0 7	12 39	9 52	23 25	23 26	12 59	17 41	5 42	
S 4	15 19	21 22	1 11	7 28	2 8	8 2	1 29	20 58	2 1	22 24	0 7	20 35	1 53	15 13	0 44	18 38	0 7	12 40	9 52	23 25	23 26	12 57	17 42	5 42	
M 5	15 38	23 25	0n 0	8 1	2 5	8 30	1 28	20 47	2 0	22 24	0 7	20 34	1 53	15 13	0 44	18 38	0 7	12 40	9 52	23 25	23 26	12 54	17 42	5 41	
T 6	15 56	24 9	1 12	8 36	2 2	8 58	1 27	20 35	1 58	22 24	0 7	20 34	1 53	15 13	0 44	18 38	0 7	12 41	9 52	23 25	23 26	12 52	17 42	5 41	
W 7	16 14	23 26	2 22	9 11	1 59	9 26	1 26	20 23	1 57	22 24	0 7	20 33	1 53	15 13	0 44	18 38	0 7	12 41	9 51	23 25	23 26	12 50	17 43	5 41	
T 8	16 31	21 18	3 24	9 46	1 55	9 53	1 26	20 10	1 55	22 25	0 7	20 33	1 53	15 12	0 44	18 38	0 7	12 42	9 51	23 25	23 26	12 48	17 43	5 41	
F 9	16 49	17 51	4 15	10 23	1 50	10 21	1 24	19 58	1 54	22 25	0 7	20 32	1 53	15 12	0 44	18 38	0 7	12 42	9 51	23 25	23 26	12 45	17 44	5 40	
S 10	17 6	13 20	4 50	10 59	1 45	10 48	1 23	19 45	1 52	22 25	0 7	20 32	1 53	15 12	0 44	18 37	0 7	12 43	9 51	23 25	23 26	12 43	17 44	5 40	
S 11	17 23	8 2	5 8	11 36	1 40	11 15	1 22	19 32	1 51	22 25	0 7	20 31	1 53	15 12	0 44	18 37	0 7	12 43	9 50	23 25	23 26	12 41	17 44	5 40	
M12	17 39	2 16	5 7	12 12	1 34	11 41	1 21	19 19	1 49	22 26	0 6	20 31	1 53	15 12	0 44	18 37	0 7	12 44	9 50	23 25	23 26	12 39	17 45	5 40	
T 13	17 55	3s37	4 46	12 48	1 28	12 7	1 20	19 6	1 48	22 26	0 6	20 30	1 53	15 11	0 44	18 37	0 7	12 44	9 50	23 25	23 26	12 36	17 45	5 40	
W14	18 11	9 17	4 7	13 25	1 22	12 33	1 18	18 53	1 47	22 26	0 6	20 29	1 53	15 11	0 44	18 37	0 7	12 44	9 50	23 25	23 26	12 34	17 45	5 39	
T 15	18 27	14 23	3 14	14 0	1 16	12 59	1 17	18 40	1 45	22 27	0 6	20 29	1 53	15 11	0 44	18 36	0 7	12 45	9 50	23 25	23 26	12 32	17 45	5 39	
F 16	18 42	18 38	2 9	14 36	1 9	13 24	1 16	18 26	1 44	22 27	0 6	20 28	1 53	15 11	0 43	18 36	0 7	12 45	9 49	23 25	23 26	12 30	17 46	5 39	
S 17	18 57	21 46	0 59	15 11	1 3	13 49	1 14	18 12	1 42	22 28	0 6	20 28	1 53	15 10	0 43	18 36	0 7	12 46	9 49	23 25	23 26	12 27	17 46	5 39	
S 18	19 11	23 39	0s12	15 45	0 56	14 14	1 13	17 58	1 41	22 28	0 6	20 27	1 53	15 10	0 43	18 36	0 7	12 46	9 49	23 25	23 26	12 25	17 46	5 39	
M19	19 25	24 13	1 21	16 18	0 49	14 38	1 11	17 44	1 39	22 28	0 6	20 27	1 53	15 10	0 43	18 36	0 7	12 47	9 49	23 25	23 26	12 23	17 47	5 39	
T 20	19 39	23 31	2 25	16 51	0 43	15 2	1 9	17 30	1 38	22 29	0 5	20 26	1 53	15 9	0 43	18 35	0 7	12 47	9 49	23 25	23 26	12 20	17 47	5 38	
W21	19 53	21 43	3 21	17 24	0 36	15 26	1 8	17 15	1 36	22 30	0 5	20 26	1 53	15 9	0 43	18 35	0 7	12 47	9 48	23 25	23 26	12 18	17 47	5 38	
T 22	20 6	18 59	4 7	17 55	0 29	15 49	1 6	17 1	1 35	22 30	0 5	20 25	1 53	15 9	0 43	18 35	0 7	12 48	9 48	23 25	23 26	12 16	17 47	5 38	
F 23	20 19	15 29	4 41	18 26	0 22	16 12	1 4	16 46	1 33	22 31	0 5	20 24	1 53	15 8	0 43	18 34	0 7	12 48	9 48	23 25	23 26	12 13	17 47	5 38	
S 24	20 31	11 23	5 4	18 55	0 15	16 34	1 2	16 31	1 32	22 31	0 5	20 24	1 53	15 8	0 43	18 34	0 7	12 49	9 48	23 25	23 26	12 11	17 48	5 38	
S 25	20 43	6 51	5 14	19 24	0 8	16 56	1 0	16 16	1 31	22 32	0 5	20 23	1 53	15 7	0 43	18 34	0 7	12 49	9 48	23 25	23 26	12 9	17 48	5 38	
M26	20 55	2 1	5 10	19 52	0 1	17 18	0 58	16 1	1 29	22 32	0 5	20 23	1 53	15 7	0 43	18 34	0 7	12 50	9 48	23 25	23 26	12 7	17 48	5 38	
T 27	21 6	2n58	4 52	20 19	0s 6	17 39	0 57	15 46	1 28	22 33	0 5	20 22	1 53	15 6	0 43	18 33	0 7	12 50	9 47	23 25	23 26	12 4	17 48	5 38	
W28	21 17	7 56	4 20	20 45	0 12	17 59	0 55	15 31	1 26	22 34	0 4	20 21	1 53	15 6	0 43	18 33	0 7	12 50	9 47	23 25	23 26	12 2	17 48	5 37	
T 29	21 27	12 41	3 35	21 10	0 19	18 19	0 53	15 15	1 25	22 34	0 4	20 21	1 53	15 5	0 43	18 33	0 7	12 51	9 47	23 25	23 26	12 0	17 49	5 37	
F 30	21s37	16n59	2s38	21s34	0s25	18s39	0n50	14s59	1s24	22n35	0s 4	20n20	1s53	15s 5	0s43	18s32	0n 7	12s51	9n47	23n25	23n25	11s57	17s49	5n37	

ASTRODIENST EPHEMERIS for the year 2001

geocentric

DECEMBER 2001

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 40	8°51'08	10°11'30	6°41'41	28°11'09	24°15'15	14°R23	11°R42	21°19'19	6°33'32	14°52'52	27°R 9	28°11'00	11°11'13	28°15'50	S 1
S 2	4 43 36	9°51'56	24° 1	8°15	29°25	24°59	14°17	11°11'37	21°21	6°33	14°54	27°D 9	27°57	11°19	28°56	S 2
M 3	4 47 33	10°52'45	7°54'45	9°49	0°40'40	25°42	14°12	11°32	21°22	6°34	14°57	27°11'09	27°54	11°26	29° 3	M 3
T 4	4 51 30	11°53'35	21°40	11°24	1°56	26°26	14° 6	11°27	21°24	6°36	14°59	27°10	27°50	11°33	29° 9	T 4
W 5	4 55 26	12°54'27	5°02'43	12°58	3°11	27° 9	14° 0	11°22	21°26	6°37	15° 1	27°11	27°47	11°40	29°15	W 5
T 6	4 59 23	13°55'20	19°51	14°32	4°27	27°53	13°54	11°17	21°27	6°39	15° 3	27°12	27°44	11°46	29°22	T 6
F 7	5 3 19	14°56'14	4°11'02	16° 6	5°42	28°37	13°48	11°12	21°29	6°40	15° 6	27°13	27°41	11°53	29°28	F 7
S 8	5 7 16	15°57'10	18°13	17°40	6°58	29°20	13°41	11° 7	21°31	6°42	15° 8	27°R13	27°38	12° 0	29°35	S 8
S 9	5 11 12	16°58'07	2°12'33	19°15	8°13	0°11'04	13°35	11° 2	21°33	6°44	15°10	27°13	27°34	12° 6	29°41	S 9
M10	5 15 9	17°59'05	16°30	20°49	9°28	0°48	13°28	10°57	21°35	6°45	15°13	27°12	27°31	12°13	29°47	M10
T 11	5 19 5	19° 0'04	0°11'30	22°23	10°44	1°31	13°21	10°52	21°37	6°47	15°15	27°11	27°28	12°20	29°54	T 11
W12	5 23 2	20° 1'04	14°21	23°58	11°59	2°15	13°14	10°48	21°39	6°49	15°17	27°10	27°25	12°27	0° 0	W12
T 13	5 26 59	21° 2'06	28° 1	25°32	13°15	2°59	13° 7	10°43	21°41	6°50	15°20	27° 9	27°22	12°33	0° 7	T 13
F 14	5 30 55	22° 3'08	11°11'29	27° 7	14°30	3°43	13° 0	10°38	21°43	6°52	15°22	27° 9	27°19	12°40	0°13	F 14
S 15	5 34 52	23° 4'12	24°41	28°41	15°46	4°26	12°53	10°33	21°45	6°54	15°24	27°D 9	27°15	12°47	0°20	S 15
S 16	5 38 48	24° 5'15	7°33'37	0°31'16	17° 2	5°10	12°46	10°29	21°47	6°56	15°27	27° 9	27°12	12°53	0°26	S 16
M17	5 42 45	25° 6'20	20°18	1°51	18°17	5°54	12°38	10°24	21°50	6°57	15°29	27° 9	27° 9	13° 0	0°33	M17
T 18	5 46 41	26° 7'25	2°11'43	3°26	19°33	6°38	12°31	10°19	21°52	6°59	15°31	27° 9	27° 6	13° 7	0°39	T 18
W19	5 50 38	27° 8'31	14°55	5° 1	20°48	7°22	12°23	10°15	21°54	7° 1	15°33	27°R 9	27° 3	13°14	0°46	W19
T 20	5 54 35	28° 9'37	26°56	6°36	22° 4	8° 6	12°16	10°10	21°57	7° 3	15°36	27° 9	27° 0	13°20	0°52	T 20
F 21	5 58 31	29°10'43	8°11'51	8°12	23°19	8°50	12° 8	10° 5	21°59	7° 5	15°38	27° 9	26°56	13°27	0°59	F 21
S 22	6 2 28	0°31'14'49	20°43	9°47	24°35	9°34	12° 0	10° 1	22° 1	7° 7	15°40	27° 9	26°53	13°34	1° 5	S 22
S 23	6 6 24	1°12'56	2°11'36	11°22	25°50	10°18	11°52	9°57	22° 4	7° 9	15°42	27°D 9	26°50	13°41	1°12	S 23
M24	6 10 21	2°14'02	14°37	12°58	27° 6	11° 1	11°44	9°52	22° 6	7°11	15°45	27° 9	26°47	13°47	1°18	M24
T 25	6 14 17	3°15'09	26°48	14°33	28°21	11°45	11°37	9°48	22° 9	7°13	15°47	27° 9	26°44	13°54	1°25	T 25
W26	6 18 14	4°16'16	9°11'16	16° 9	29°37	12°29	11°29	9°44	22°11	7°14	15°49	27°10	26°40	14° 1	1°31	W26
T 27	6 22 10	5°17'24	22° 2	17°44	0°31'52	13°13	11°20	9°39	22°14	7°16	15°51	27°11	26°37	14° 7	1°38	T 27
F 28	6 26 7	6°18'31	5°11'10	19°19	2° 8	13°57	11°12	9°35	22°17	7°18	15°54	27°11	26°34	14°14	1°44	F 28
S 29	6 30 4	7°19'38	18°40	20°54	3°23	14°41	11° 4	9°31	22°19	7°21	15°56	27°12	26°31	14°21	1°51	S 29
S 30	6 34 0	8°20'46	2°12'32	22°28	4°39	15°25	10°56	9°27	22°22	7°23	15°58	27°R12	26°28	14°28	1°57	S 30
M31	6 37 57	9°21'54	16°12'42	24°32	5°54	16°11'09	10°54'48	9°11'23	22°22'25	7°25	16°11'00	27°11'11	26°11'25	14°11'34	2° 3	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	21s47	20n32	1s31	21s57	0s32	18s58	0n48	14s44	1s22	22n36	0s 4	20n20	1s53	15s 4	0s43	S 1
S 2	21 56 23	1 0 17	22 19	0 38	19 16	0 46	14 28	1 21	22 36	0 4	20 19	1 52	15 4	0 43	18 32	S 2
M 3	22 5 24	11 0n58	22 39	0 45	19 34	0 44	14 12	1 19	22 37	0 4	20 19	1 52	15 3	0 43	18 31	M 3
T 4	22 13 23	51 2 11	22 59	0 51	19 52	0 42	13 56	1 18	22 38	0 4	20 18	1 52	15 3	0 43	18 31	T 4
W 5	22 21 22	2 3 17	23 17	0 57	20 9	0 40	13 40	1 17	22 39	0 4	20 17	1 52	15 2	0 43	18 31	W 5
T 6	22 28 18	50 4 12	23 35	1 3	20 25	0 37	13 23	1 15	22 39	0 3	20 17	1 52	15 2	0 43	18 30	T 6
F 7	22 35 14	33 4 51	23 51	1 8	20 41	0 35	13 7	1 14	22 40	0 3	20 16	1 52	15 1	0 43	18 30	F 7
S 8	22 42 9	27 5 13	24 6	1 14	20 56	0 33	12 50	1 13	22 41	0 3	20 16	1 52	15 0	0 43	18 29	S 8
S 9	22 48 3	52 5 15	24 19	1 19	21 10	0 31	12 34	1 11	22 42	0 3	20 15	1 52	15 0	0 43	18 29	S 9
M10	22 54 1s53	4 59	24 31	1 24	21 24	0 28	12 17	1 10	22 43	0 3	20 15	1 52	14 59	0 43	18 29	M10
T 11	22 59 7	30 4 25	24 42	1 29	21 38	0 26	12 0	1 9	22 43	0 3	20 14	1 52	14 58	0 43	18 28	T 11
W12	23 4 12	43 3 36	24 52	1 34	21 50	0 24	11 43	1 7	22 44	0 3	20 13	1 52	14 58	0 43	18 28	W12
T 13	23 8 17	13 2 35	25 0	1 39	22 2	0 21	11 26	1 6	22 45	0 3	20 13	1 51	14 57	0 43	18 27	T 13
F 14	23 12 20	45 1 26	25 7	1 43	22 14	0 19	11 9	1 5	22 46	0 3	20 12	1 51	14 56	0 43	18 27	F 14
S 15	23 15 23	6 0 14	25 13	1 47	22 24	0 16	10 52	1 3	22 47	0 2	20 12	1 51	14 56	0 43	18 27	S 15
S 16	23 18 24	11 0s58	25 17	1 51	22 34	0 14	10 35	1 2	22 47	0 2	20 11	1 51	14 55	0 43	18 26	S 16
M17	23 21 23	58 2 5	25 20	1 54	22 44	0 12	10 17	1 1	22 48	0 2	20 11	1 51	14 54	0 43	18 26	M17
T 18	23 23 22	33 3 5	25 21	1 58	22 52	0 9	10 0	0 59	22 49	0 2	20 10	1 51	14 53	0 42	18 25	T 18
W19	23 24 20	6 3 55	25 21	2 1	23 0	0 7	9 42	0 58	22 50	0 2	20 10	1 51	14 53	0 42	18 25	W19
T 20	23 26 16	49 4 34	25 20	2 3	23 8	0 4	9 25	0 57	22 51	0 2	20 9	1 50	14 52	0 42	18 24	T 20
F 21	23 26 12	54 5 1	25 17	2 6	23 14	0 2	9 7	0 56	22 52	0 1	20 9	1 50	14 51	0 42	18 24	F 21
S 22	23 26 8	30 5 15	25 12	2 8	23 20	0s 0	8 49	0 54	22 53	0 1	20 8	1 50	14 50	0 42	18 23	S 22
S 23	23 26 3	47 5 16	25 6	2 9	23 25	0 3	8 32	0 53	22 53	0 1	20 8	1 50	14 49	0 42	18 23	S 23
M24	23 25 1n 6	5 3 3	24 58	2 11	23 30	0 5	8 14	0 52	22 54	0 1	20 7	1 50	14 49	0 42	18 22	M24
T 25	23 24 6	3 4 36	24 49	2 11	23 33	0 8	7 56	0 51	22 55	0 1	20 7	1 50	14 48	0 42	18 22	T 25
W26	23 22 10	51 3 56	24 39	2 12	23 36	0 10	7 38	0 49	22 56	0 1	20 6	1 49	14 47	0 42	18 22	W26
T 27	23 20 15	20 3 3	24 26	2 12	23 39	0 12	7 20	0 48	22 57	0 1	20 6	1 49	14 46	0 42	18 21	T 27
F 28	23 17 19	12 1 59	24 13	2 11	23 40	0 15	7 2	0 47	22 58	0 0	20 5	1 49	14 45	0 42	18 21	F 28
S 29	23 14 22	10 0 47	23 57	2 10	23 41	0 17	6 44	0 46	22 58	0 0	20 5	1 49	14 44	0 42	18 20	S 29
S 30	23 11 23	54 0n29	23 40	2 8	23 41	0 19	6 26	0 44	22 59	0 0	20 5	1 49	14 43	0 42	18 20	S 30
M31	23s 6	24n 9	1n46	23s22	2s 6	23s40	0s22	6s 8	0s43	23n 0	0n 0	20n 4	1s49	14s42	0s42	M31

Julian Day Number = 2452244.5, Delta T = 64.28 sec
 Ecliptic obliquity = 23°26'20, Nutation = -0°00'18, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°46'01, Lahiri = 23°53'02