



Astrodienst Ephemeris Tables for the year 1849

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 1849

geocentric

JANUARY 1849

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 42 7	10°32'08	24°18' 2	5°53' 19	19°52' 16	16°39' 21	21°R38	19°15' 18	18°19' 0	0°33' 25	25°R56	14°15' 15	15°32' 29	15°12' 23	15°12' 23	M 1
T 2	6 46 4	11°33'18	7°19'31	7°28' 21	21° 5	17°22' 21	21°R34	20° 1	18°19' 0	0°33' 25	25°R56	14°R16	15°28' 29	15°18' 23	15°18' 23	T 2
W 3	6 50 0	12°34'28	21°20' 9	9° 4	22°17' 18	18° 6	21°29' 20	20° 5	18°20' 0	0°35' 25	25°56	14°16' 15	15°25' 29	15°25' 23	15°25' 23	W 3
T 4	6 53 57	13°35'37	5°8'28	10°40' 23	23°29' 18	18°49' 21	21°24' 20	20° 9	18°20' 0	0°37' 25	25°55	14°13' 15	15°22' 29	15°22' 23	15°22' 23	T 4
F 5	6 57 53	14°36'46	19°57' 12	12°16' 24	24°41' 19	19°33' 21	21°19' 20	20°14' 18	20°20' 0	0°39' 25	25°55	14° 9	15°19' 29	15°19' 23	15°19' 23	F 5
S 6	7 1 50	15°37'55	4°11'41	13°53' 25	25°53' 20	20°16' 21	21°14' 20	20°18' 18	20°21' 0	0°40' 25	25°55	14° 2	15°16' 29	15°16' 23	15°16' 23	S 6
S 7	7 5 47	16°39'03	19°36' 15	15°31' 27	27° 4	21° 0	21° 9	20°23' 18	20°21' 0	0°42' 25	25°55	13°54' 15	15°13' 29	15°13' 23	15°13' 23	S 7
M 8	7 9 43	17°40'11	4°32'32	17° 8	28°16' 21	21°43' 21	21° 3	20°27' 18	20°22' 0	0°44' 25	25°55	13°44' 15	15° 9	15° 9	15° 9	M 8
T 9	7 13 40	18°41'18	19°21' 18	18°47' 29	29°28' 22	22°27' 20	20°57' 20	20°32' 18	20°23' 0	0°46' 25	25°55	13°35' 15	15° 6	15° 6	15° 6	T 9
W10	7 17 36	19°42'25	3°12'54	19°42'25	0°13'39	23°11' 23	21°52' 20	20°37' 18	20°23' 0	0°47' 25	25°55	13°28' 15	15° 3	15° 3	15° 3	W10
T11	7 21 33	20°43'32	18° 4	22° 4	1°50' 23	23°55' 20	20°46' 20	20°42' 18	20°24' 0	0°49' 25	25°55	13°23' 15	15° 0	15° 0	15° 0	T11
F12	7 25 29	21°44'39	1°10'48	23°44' 3	2° 2	24°38' 20	20°40' 20	20°46' 18	20°25' 0	0°51' 25	25°55	13°20' 14	14°57' 0	14°57' 0	14°57' 0	F12
S13	7 29 26	22°45'45	15° 5	25°24' 4	1°13' 25	25°22' 20	20°33' 20	20°51' 18	20°26' 0	0°53' 25	25°55	13°D20	14°54' 0	14°54' 0	14°54' 0	S13
S14	7 33 22	23°46'51	27°56' 27	27° 5	5°24' 26	26° 6	20°27' 20	20°57' 18	20°27' 0	0°55' 25	25°55	13°20' 14	14°50' 0	14°50' 0	14°50' 0	S14
M15	7 37 19	24°47'57	10°12'26	28°46' 6	6°35' 26	26°50' 20	21° 2	18°27' 0	18°27' 0	0°57' 25	25°55	13°22' 14	14°47' 0	14°47' 0	14°47' 0	M15
T16	7 41 16	25°49'02	22°38' 0	7°46' 27	7°46' 27	27°34' 20	20°14' 21	18°28' 0	18°28' 0	0°59' 25	25°56	13°R23	14°44' 0	14°44' 0	14°44' 0	T16
W17	7 45 12	26°50'07	4°11'38	2° 9	8°56' 28	28°18' 20	20° 7	21°12' 18	20°29' 1	1° 1	25°56	13°22' 14	14°41' 0	14°41' 0	14°41' 0	W17
T18	7 49 9	27°51'12	16°31' 3	10° 7	10° 7	29° 2	20° 0	21°18' 18	20°31' 1	1° 3	25°56	13°20' 14	14°38' 1	14°38' 1	14°38' 1	T18
F19	7 53 5	28°52'17	28°22' 5	5°34' 11	11°17' 29	29°46' 19	21°53' 21	21°23' 18	20°32' 1	1° 5	25°56	13°16' 14	14°34' 1	14°34' 1	14°34' 1	F19
S20	7 57 2	29°53'21	10°17'14	7°17' 12	12°28' 0	13°30' 19	21°28' 21	18°33' 1	18°33' 1	1° 7	25°56	13°10' 14	14°31' 1	14°31' 1	14°31' 1	S20
S21	8 0 58	0°54'25	22°13' 9	1° 1	13°38' 1	1°15' 19	21°34' 21	18°34' 1	18°34' 1	1° 9	25°57	13° 2	14°28' 1	14°28' 1	14°28' 1	S21
M22	8 4 55	1°55'28	4°32'20	10°44' 14	14°48' 1	1°59' 19	21°40' 21	18°35' 1	18°35' 1	1°11' 25	25°57	12°54' 14	14°25' 1	14°25' 1	14°25' 1	M22
T23	8 8 51	2°56'30	16°37' 12	12°28' 15	15°58' 2	2°43' 19	21°45' 21	18°37' 1	18°37' 1	1°13' 25	25°57	12°46' 14	14°22' 1	14°22' 1	14°22' 1	T23
W24	8 12 48	3°57'32	29° 6	14°12' 17	17° 8	3°27' 19	21°51' 21	18°38' 1	18°38' 1	1°15' 25	25°57	12°39' 14	14°19' 1	14°19' 1	14°19' 1	W24
T25	8 16 45	4°58'32	11°11'47	15°56' 18	18°18' 4	4°12' 19	21°57' 21	18°40' 1	18°40' 1	1°17' 25	25°58	12°34' 14	14°15' 1	14°15' 1	14°15' 1	T25
F26	8 20 41	5°59'32	24°40' 17	17°39' 19	19°27' 4	5°56' 19	22° 3	18°41' 1	18°41' 1	1°19' 25	25°58	12°31' 14	14°12' 2	14°12' 2	14°12' 2	F26
S27	8 24 38	7° 0'31	7°11'44	19°22' 20	20°36' 5	5°40' 18	22° 9	18°43' 1	18°43' 1	1°21' 25	25°59	12°D29	14° 9	14° 9	14° 9	S27
S28	8 28 34	8° 1'29	21° 1	21° 5	21°46' 6	6°25' 18	22°15' 22	18°44' 1	18°44' 1	1°23' 25	25°59	12°29' 14	14° 6	14° 6	14° 6	S28
M29	8 32 31	9° 2'25	4°19'29	22°46' 22	22°55' 7	7° 9	18°39' 22	18°46' 1	18°46' 1	1°25' 25	25°59	12°31' 14	14° 3	14° 3	14° 3	M29
T30	8 36 27	10° 3'20	18° 9	24°26' 24	24° 4	7°54' 18	18°31' 22	18°47' 1	18°47' 1	1°27' 26	26° 0	12°32' 14	14° 0	14° 0	14° 0	T30
W31	8 40 24	11°11'44	2°18' 0	26°11' 26	25°12' 25	8°38' 18	18°23' 22	18°49' 1	18°49' 1	1°30' 26	26° 0	12°33' 13	13°15' 2	13°15' 2	13°15' 2	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23s 2	3s10	0s52	24s46	1s26	16s35	1s48	23s 3	0s16	15n 9	0n54	5s58	2s 9	6n37	0s37	11s54
T 2	22 57	1n 8	2 1	24 46	1 31	16 10	1 47	23 8	0 17	15 11	0 54	5 56	2 9	6 37	0 37	11 54
W 3	22 52	5 28	3 4	24 44	1 36	15 45	1 45	23 13	0 17	15 13	0 54	5 54	2 9	6 37	0 37	11 53
T 4	22 46	9 37	3 58	24 41	1 40	15 20	1 44	23 17	0 18	15 14	0 55	5 53	2 9	6 38	0 37	11 52
F 5	22 39	13 16	4 38	24 37	1 44	14 54	1 42	23 21	0 19	15 16	0 55	5 51	2 9	6 38	0 37	11 52
S 6	22 32	16 10	5 1	24 31	1 47	14 28	1 40	23 25	0 19	15 18	0 55	5 49	2 9	6 38	0 37	11 51
S 7	22 25	18 1	5 3	24 23	1 51	14 2	1 38	23 29	0 20	15 20	0 55	5 47	2 8	6 38	0 37	11 50
M 8	22 17	18 38	4 45	24 14	1 54	13 35	1 36	23 33	0 21	15 22	0 55	5 45	2 8	6 38	0 37	11 50
T 9	22 9	17 58	4 8	24 4	1 56	13 8	1 34	23 36	0 21	15 24	0 56	5 43	2 8	6 39	0 37	11 49
W10	22 0	16 8	3 15	23 52	1 59	12 41	1 31	23 39	0 22	15 26	0 56	5 41	2 8	6 39	0 37	11 49
T11	21 51	13 21	2 11	23 38	2 1	12 13	1 29	23 42	0 23	15 28	0 56	5 39	2 8	6 39	0 37	11 48
F12	21 42	9 53	1 2	23 23	2 3	11 45	1 27	23 44	0 23	15 30	0 56	5 37	2 8	6 40	0 36	11 47
S13	21 32	6 2	0n 9	23 6	2 4	11 17	1 24	23 47	0 24	15 33	0 57	5 35	2 7	6 40	0 36	11 47
S14	21 22	2 1	1 18	22 48	2 5	10 48	1 21	23 49	0 25	15 35	0 57	5 33	2 7	6 40	0 36	11 46
M15	21 11	1s58	2 21	22 28	2 6	10 19	1 19	23 50	0 25	15 37	0 57	5 30	2 7	6 41	0 36	11 45
T16	21 0	5 47	3 16	22 7	2 6	9 50	1 16	23 52	0 26	15 39	0 57	5 28	2 7	6 41	0 36	11 45
W17	20 48	9 17	4 1	21 44	2 5	9 21	1 13	23 53	0 27	15 42	0 57	5 26	2 7	6 42	0 36	11 44
T18	20 36	12 23	4 36	21 19	2 5	8 51	1 10	23 55	0 27	15 44	0 57	5 24	2 7	6 42	0 36	11 43
F19	20 24	14 57	4 58	20 53	2 3	8 22	1 7	23 55	0 28	15 46	0 58	5 22	2 7	6 42	0 36	11 42
S20	20 11	16 55	5 8	20 25	2 2	7 52	1 3	23 56	0 29	15 49	0 58	5 19	2 7	6 43	0 36	11 42
S21	19 58	18 9	5 5	19 56	1 59	7 22	1 0	23 56	0 29	15 51	0 58	5 17	2 6	6 43	0 36	11 41
M22	19 45	18 36	4 48	19 25	1 57	6 52	0 57	23 57	0 30	15 54	0 58	5 15	2 6	6 44	0 36	11 40
T23	19 31	18 10	4 17	18 53	1 53	6 21	0 53	23 57	0 31	15 56	0 58	5 12	2 6	6 45	0 36	11 40
W24	19 17	16 52	3 34	18 19	1 49	5 51	0 50	23 56	0 31	15 58	0 59	5 10	2 6	6 45	0 36	11 39
T25	19 7	14 43	2 39	17 44	1 45	5 20	0 46	23 56	0 32	16 1	0 59	5 7	2 6	6 46	0 36	11 38
F26	18 47	11 49	1 36	17 8	1 39	4 49	0 42	23 55	0 33	16 4	0 59	5 5	2 6	6 46	0 36	11 37
S27	18 32	8 16	0 26	16 30	1 33	4 19	0 38	23 54	0 34	16 6	0 59	5 3	2 6	6 47	0 36	11 37
S28	18 16	4 17	0s46	15 51	1 27	3 48	0 34	23 52	0 34	16 9	0 59	5 0	2 6	6 48	0 36	11 36
M29	18 1	0 1	1 57	15 11	1 19	3 17	0 30	23 51	0 35	16 11	0 59	4 58	2 5	6 48	0 36	11 35
T30	17 44	4n18	3 3	14 30	1 11	2 46	0 26	23 49	0 36	16 14	0 59	4 55	2 5	6 49	0 36	11 34
W31	17s28	8n27	3s58	13s48	1s 2	2s15	0s22	23s47	0s36	16n16	1n 0	4s52	2s 5	6n49	0s36	11s33

Julian Day Number = 2396393.5, Delta T = 8.95 sec
 Ecliptic obliquity = 23°27'23", Nutation = - 0°00'04", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°37'54", Lahiri = 21°44'55"

ASTRODIENST EPHEMERIS for the year 1849

geocentric

FEBRUARY 1849

00:00 UT

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

Day	☉	☾	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s11	12n11	4s40	13s 6	0s52	1s43	0s18	23s44	0s37	16n19	1n 0	4s50	2s 5	6n50	0s36	11s33	0s39	5s41	16s52	6n51	6n21
F 2	16 54	15 14	5 6	12 23	0 42	1 12	0 13	23 42	0 38	16 21	1 0	4 47	2 5	6 51	0 36	11 32	0 39	5 41	16 52	6 52	6 22
S 3	16 36	17 24	5 13	11 40	0 30	0 41	0 9	23 39	0 38	16 24	1 0	4 45	2 5	6 52	0 36	11 31	0 39	5 40	16 51	6 52	6 23
S 4	16 19	18 27	5 0	10 58	0 18	0 10	0 4	23 36	0 39	16 26	1 0	4 42	2 5	6 52	0 36	11 30	0 39	5 40	16 51	6 54	6 24
M 5	16 1	18 19	4 28	10 16	0 6	0n21	0n 0	23 32	0 40	16 29	1 0	4 40	2 5	6 53	0 36	11 30	0 39	5 39	16 50	6 55	6 25
T 6	15 42	17 0	3 40	9 34	0n 8	0 53	0 5	23 29	0 40	16 32	1 0	4 37	2 5	6 54	0 36	11 29	0 39	5 39	16 50	6 57	6 27
W 7	15 24	14 39	2 38	8 54	0 22	1 24	0 10	23 25	0 41	16 34	1 0	4 34	2 5	6 55	0 36	11 28	0 39	5 38	16 50	6 58	6 28
T 8	15 5	11 29	1 28	8 15	0 37	1 55	0 14	23 21	0 42	16 37	1 0	4 32	2 4	6 56	0 36	11 27	0 39	5 38	16 49	6 59	6 29
F 9	14 46	7 46	0 15	7 38	0 52	2 26	0 19	23 17	0 42	16 39	1 1	4 29	2 4	6 56	0 36	11 26	0 39	5 37	16 49	6 59	6 30
S 10	14 27	3 46	0n58	7 4	1 8	2 57	0 24	23 12	0 43	16 42	1 1	4 26	2 4	6 57	0 35	11 26	0 39	5 36	16 49	6 59	6 32
S 11	14 7	0s19	2 6	6 32	1 24	3 28	0 29	23 7	0 44	16 44	1 1	4 23	2 4	6 58	0 35	11 25	0 39	5 36	16 48	6 59	6 33
M 12	13 47	4 16	3 6	6 4	1 40	3 58	0 34	23 2	0 44	16 47	1 1	4 21	2 4	6 59	0 35	11 24	0 39	5 35	16 48	6 58	6 34
T 13	13 27	7 57	3 56	5 40	1 56	4 29	0 40	22 57	0 45	16 49	1 1	4 18	2 4	7 0	0 35	11 23	0 39	5 35	16 48	6 57	6 35
W 14	13 7	11 14	4 34	5 19	2 12	5 0	0 45	22 51	0 46	16 52	1 1	4 15	2 4	7 1	0 35	11 22	0 39	5 34	16 48	6 57	6 36
T 15	12 47	14 1	5 1	5 3	2 28	5 30	0 50	22 45	0 46	16 54	1 1	4 12	2 4	7 2	0 35	11 22	0 39	5 34	16 47	6 57	6 38
F 16	12 26	16 13	5 14	4 51	2 42	6 0	0 55	22 39	0 47	16 56	1 1	4 10	2 4	7 3	0 35	11 21	0 39	5 33	16 47	6 57	6 39
S 17	12 5	17 43	5 14	4 44	2 56	6 31	1 1	22 33	0 48	16 59	1 1	4 7	2 4	7 3	0 35	11 20	0 39	5 33	16 47	6 57	6 40
S 18	11 44	18 27	5 1	4 42	3 8	7 1	1 6	22 27	0 49	17 1	1 1	4 4	2 4	7 4	0 35	11 19	0 39	5 32	16 46	6 58	6 41
M 19	11 23	18 20	4 34	4 45	3 19	7 31	1 12	22 20	0 49	17 3	1 1	4 1	2 4	7 5	0 35	11 18	0 39	5 31	16 46	6 58	6 43
T 20	11 1	17 22	3 53	4 53	3 28	8 0	1 17	22 13	0 50	17 6	1 1	3 58	2 4	7 6	0 35	11 18	0 39	5 31	16 46	6 59	6 44
W 21	10 40	15 31	3 1	5 4	3 35	8 30	1 23	22 6	0 51	17 8	1 1	3 55	2 4	7 7	0 35	11 17	0 39	5 30	16 45	7 0	6 45
T 22	10 18	12 51	1 58	5 20	3 40	8 59	1 28	21 58	0 51	17 10	1 1	3 53	2 4	7 8	0 35	11 16	0 39	5 30	16 45	7 0	6 46
F 23	9 56	9 29	0 48	5 40	3 43	9 28	1 34	21 50	0 52	17 12	1 1	3 50	2 4	7 9	0 35	11 15	0 39	5 29	16 45	7 0	6 47
S 24	9 34	5 32	0s27	6 2	3 44	9 57	1 40	21 42	0 53	17 14	1 1	3 47	2 4	7 10	0 35	11 14	0 39	5 29	16 45	7 0	6 49
S 25	9 12	1 15	1 41	6 27	3 42	10 26	1 45	21 34	0 53	17 16	1 1	3 44	2 4	7 11	0 35	11 14	0 39	5 28	16 44	7 0	6 50
M 26	8 50	3n10	2 51	6 54	3 38	10 54	1 51	21 26	0 54	17 19	1 2	3 41	2 3	7 12	0 35	11 13	0 39	5 27	16 44	7 0	6 51
T 27	8 27	7 26	3 51	7 21	3 33	11 22	1 57	21 17	0 55	17 21	1 2	3 38	2 3	7 14	0 35	11 12	0 39	5 27	16 44	7 0	6 52
W 28	8s 5	11n19	4s37	7s49	3n25	11n50	2n 3	21s 9	0s55	17n23	1n 2	3s35	2s 3	7n15	0s35	11s11	0s39	5s26	16s43	7n 0	6n53

ASTRODIENST EPHEMERIS for the year 1849

geocentric

MARCH 1849

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 34 44	10 ^h 20'13	27 ^h 8 6	0°R23	26 ^h Y42	0 ^h ≈23	14°R44	25 ^h Y51	19 ^h Y56	2 ^h Y35	26 ^h Y22	12 ^h Y11	12 ^h Y24	5 ^h Y48	26 ^h Y52	T 1
F 2	10 38 40	11°20'21	11 ^h II 19	29 ^h ≈34	27°42	1° 9	14 ^h Q37	25°58	19°59	2°37	26°23	12°11	12°21	5°55	26°53	F 2
S 3	10 42 37	12°20'28	25°29	28°49	28°42	1°54	14°31	26° 5	20° 2	2°39	26°24	12°11	12°18	6° 2	26°53	S 3
S 4	10 46 34	13°20'33	9 ^h Q36	28°12	29°41	2°40	14°25	26°13	20° 5	2°42	26°25	12°12	12°15	6° 8	26°54	S 4
M 5	10 50 30	14°20'35	23°36	27°41	0 ^h Q40	3°25	14°19	26°20	20° 8	2°44	26°26	12°12	12°11	6°15	26°55	M 5
T 6	10 54 27	15°20'36	7 ^h Q27	27°16	1°39	4°11	14°13	26°28	20°11	2°46	26°28	12°12	12° 8	6°22	26°55	T 6
W 7	10 58 23	16°20'34	21° 8	26°59	2°37	4°56	14° 7	26°35	20°14	2°48	26°29	12°12	12° 5	6°29	26°55	W 7
T 8	11 2 20	17°20'30	4 ^h Y35	26°48	3°34	5°42	14° 1	26°42	20°17	2°51	26°30	12°13	12° 2	6°35	26°56	T 8
F 9	11 6 16	18°20'24	17°49	26°D43	4°31	6°27	13°56	26°50	20°20	2°53	26°31	12°R13	11°59	6°42	26°R56	F 9
S 10	11 10 13	19°20'16	0 ^h Q47	26°45	5°28	7°13	13°50	26°57	20°23	2°55	26°32	12°12	11°56	6°49	26°56	S 10
S 11	11 14 9	20°20'06	13°30	26°53	6°24	7°59	13°45	27° 4	20°26	2°57	26°33	12°11	11°52	6°55	26°56	S 11
M12	11 18 6	21°19'55	25°58	27° 6	7°19	8°44	13°40	27°12	20°29	2°59	26°34	12°10	11°49	7° 2	26°55	M12
T 13	11 22 3	22°19'41	8 ^h Y13	27°25	8°14	9°30	13°35	27°19	20°32	3° 2	26°36	12° 9	11°46	7° 9	26°55	T 13
W14	11 25 59	23°19'26	20°17	27°49	9° 8	10°16	13°31	27°27	20°35	3° 4	26°37	12° 7	11°43	7°16	26°55	W14
T 15	11 29 56	24°19'09	2 ^h Y14	28°18	10° 1	11° 1	13°26	27°34	20°38	3° 6	26°38	12° 6	11°40	7°22	26°54	T 15
F 16	11 33 52	25°18'50	14° 7	28°52	10°54	11°47	13°22	27°42	20°41	3° 8	26°39	12° 5	11°37	7°29	26°53	F 16
S 17	11 37 49	26°18'30	26° 1	29°29	11°46	12°33	13°17	27°49	20°45	3°10	26°40	12°D 5	11°33	7°36	26°53	S 17
S 18	11 41 45	27°18'08	8 ^h Y0	0 ^h Y11	12°37	13°18	13°13	27°57	20°48	3°12	26°42	12° 5	11°30	7°43	26°52	S 18
M19	11 45 42	28°17'44	20°10	0°56	13°28	14° 4	13° 9	28° 4	20°51	3°14	26°43	12° 6	11°27	7°49	26°51	M19
T 20	11 49 38	29°17'18	2 ^h Y34	1°45	14°18	14°50	13° 6	28°12	20°54	3°17	26°44	12° 7	11°24	7°56	26°50	T 20
W21	11 53 35	0 ^h Y16'51	15°16	2°37	15° 7	15°36	13° 2	28°19	20°58	3°19	26°45	12° 9	11°21	8° 3	26°49	W21
T 22	11 57 32	1°16'22	28°20	3°32	15°55	16°22	12°59	28°26	21° 1	3°21	26°47	12°10	11°17	8° 9	26°47	T 22
F 23	12 1 28	2°15'50	11 ^h Y46	4°30	16°42	17° 7	12°56	28°34	21° 4	3°23	26°48	12°R11	11°14	8°16	26°46	F 23
S 24	12 5 25	3°15'17	25°34	5°31	17°29	17°53	12°53	28°41	21° 7	3°25	26°49	12°10	11°11	8°23	26°44	S 24
S 25	12 9 21	4°14'42	9 ^h Y42	6°34	18°14	18°39	12°50	28°49	21°11	3°27	26°50	12° 8	11° 8	8°30	26°43	S 25
M26	12 13 18	5°14'04	24° 6	7°40	18°59	19°25	12°47	28°56	21°14	3°29	26°52	12° 6	11° 5	8°36	26°41	M26
T 27	12 17 14	6°13'25	8 ^h Y39	8°48	19°42	20°11	12°45	29° 4	21°17	3°31	26°53	12° 3	11° 2	8°43	26°39	T 27
W28	12 21 11	7°12'43	23°16	9°58	20°25	20°57	12°42	29°11	21°21	3°33	26°54	11°59	10°58	8°50	26°37	W28
T 29	12 25 7	8°11'59	7 ^h Y49	11°11	21° 7	21°43	12°40	29°18	21°24	3°35	26°56	11°56	10°55	8°56	26°35	T 29
F 30	12 29 4	9°11'13	22°14	12°26	21°47	22°29	12°39	29°26	21°27	3°37	26°57	11°54	10°52	9° 3	26°33	F 30
S 31	12 33 0	10 ^h Y10'25	6 ^h Q27	13 ^h Y42	22 ^h Y26	23 ^h ≈14	12 ^h Q37	29 ^h Y33	21 ^h Y31	3 ^h Y39	26 ^h Y58	11°D53	10 ^h Y49	9 ^h Y10	26 ^h Y31	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s42	14n33	5s 6	8s17	3n16	12n18	2n 9	20s59	0s56	17n24	1n 2	3s32	2s 3	7n16	0s35	11s10
F 2	7 19	16 55	5 17	8 44	3 5	12 45	2 14	20 50	0 57	17 26	1 2	3 29	2 3	7 17	0 35	11 10
S 3	6 56	18 14	5 9	9 10	2 54	13 12	2 20	20 41	0 57	17 28	1 2	3 26	2 3	7 18	0 35	11 9
S 4	6 33	18 25	4 42	9 35	2 41	13 39	2 26	20 31	0 58	17 30	1 2	3 24	2 3	7 19	0 35	11 8
M 5	6 10	17 29	3 58	9 58	2 28	14 5	2 32	20 21	0 59	17 32	1 2	3 21	2 3	7 20	0 35	11 7
T 6	5 47	15 30	3 1	10 20	2 14	14 31	2 38	20 11	0 59	17 34	1 2	3 18	2 3	7 21	0 35	11 6
W 7	5 24	12 40	1 54	10 39	2 0	14 57	2 44	20 1	1 0	17 35	1 2	3 15	2 3	7 22	0 35	11 6
T 8	5 0	9 11	0 42	10 56	1 46	15 23	2 50	19 50	1 0	17 37	1 2	3 12	2 3	7 24	0 35	11 5
F 9	4 37	5 18	0n31	11 11	1 31	15 48	2 56	19 39	1 1	17 38	1 1	3 9	2 3	7 25	0 35	11 4
S 10	4 13	1 14	1 41	11 24	1 17	16 13	3 2	19 29	1 2	17 40	1 1	3 6	2 3	7 26	0 35	11 3
S 11	3 50	2s48	2 45	11 34	1 3	16 37	3 8	19 17	1 2	17 41	1 1	3 3	2 3	7 27	0 35	11 2
M12	3 26	6 38	3 39	11 43	0 49	17 1	3 14	19 6	1 3	17 43	1 1	3 0	2 3	7 28	0 35	11 2
T 13	3 10	7 4	2 23	11 49	0 36	17 24	3 20	18 55	1 4	17 44	1 1	2 57	2 3	7 29	0 35	11 1
W14	2 39	13 7	4 54	11 53	0 23	17 48	3 26	18 43	1 4	17 46	1 1	2 54	2 3	7 31	0 35	11 0
T 15	2 15	15 32	5 12	11 55	0 10	18 10	3 31	18 31	1 5	17 47	1 1	2 51	2 3	7 32	0 35	10 59
F 16	1 52	17 17	5 16	11 55	0s 2	18 33	3 37	18 19	1 5	17 48	1 1	2 48	2 3	7 33	0 35	10 59
S 17	1 28	18 17	5 7	11 53	0 14	18 55	3 43	18 7	1 6	17 49	1 1	2 45	2 3	7 34	0 35	10 58
S 18	1 4	18 29	4 45	11 49	0 26	19 16	3 49	17 54	1 7	17 50	1 1	2 42	2 3	7 35	0 35	10 57
M19	0 41	17 50	4 9	11 43	0 37	19 37	3 55	17 42	1 7	17 51	1 1	2 39	2 3	7 37	0 35	10 56
T 20	0 17	16 20	3 22	11 36	0 47	19 58	4 0	17 29	1 8	17 52	1 1	2 36	2 3	7 38	0 35	10 56
W21	0n 7	13 59	2 23	11 26	0 57	20 18	4 6	17 16	1 9	17 53	1 1	2 34	2 4	7 39	0 35	10 55
T 22	0 30	10 53	1 16	11 15	1 6	20 38	4 12	17 3	1 9	17 54	1 1	2 31	2 4	7 40	0 35	10 54
F 23	0 54	7 7	0 2	11 2	1 15	20 57	4 17	16 49	1 10	17 55	1 1	2 28	2 4	7 42	0 35	10 53
S 24	1 18	2 53	1s13	10 48	1 24	21 15	4 23	16 36	1 10	17 56	1 1	2 25	2 4	7 43	0 35	10 53
S 25	1 41	1n37	2 26	10 32	1 32	21 34	4 28	16 22	1 11	17 57	1 1	2 22	2 4	7 44	0 35	10 52
M26	2 5	6 5	3 30	10 14	1 39	21 51	4 34	16 8	1 11	17 57	1 1	2 19	2 4	7 45	0 34	10 51
T 27	2 28	10 15	4 22	9 55	1 46	22 9	4 39	15 54	1 12	17 58	1 1	2 16	2 4	7 47	0 34	10 50
W28	2 52	13 48	4 57	9 34	1 53	22 25	4 44	15 40	1 13	17 58	1 0	2 13	2 4	7 48	0 34	10 50
T 29	3 15	16 29	5 13	9 12	1 59	22 42	4 49	15 26	1 13	17 59	1 0	2 10	2 4	7 49	0 34	10 49
F 30	3 39	18 6	5 9	8 49	2 4	22 57	4 54	15 12	1 14	17 59	1 0	2 7	2 4	7 50	0 34	10 48
S 31	4n 2	18n33	4s45	8s24	2s 9	23n12	4n59	14s57	1s14	18n 0	1n 0	2s 4	2s 4	7n52	0s34	10s48

Julian Day Number = 2396452.5, Delta T = 9.00 sec
 Ecliptic obliquity = 23°27'24", Nutation = - 0°00'05", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°38'02", Lahiri = 21°45'03"

ASTRODIENST EPHEMERIS for the year 1849

geocentric

APRIL 1849

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 36 57	11° 9'34	20° 26'	15° 1'	23° 8' 4	24° 0	12° R35	29° 41	21° 34	3° 41	27° 0	11° 53	10° 46	9° 17	26° R29	S 1
M 2	12 40 54	12° 8'41	4° 10	16° 21	23° 41	24° 46	12° 34	29° 48	21° 38	3° 42	27° 1	11° 54	10° 43	9° 23	26° M27	M 2
T 3	12 44 50	13° 7'45	17° 39	17° 43	24° 16	25° 32	12° 33	29° 55	21° 41	3° 44	27° 2	11° 56	10° 39	9° 30	26° 24	T 3
W 4	12 48 47	14° 6'47	0° 55	19° 7	24° 50	26° 18	12° 32	0° 3	21° 44	3° 46	27° 4	11° 57	10° 36	9° 37	26° 22	W 4
T 5	12 52 43	15° 5'47	13° 58	20° 33	25° 23	27° 4	12° 31	0° 10	21° 48	3° 48	27° 5	11° R58	10° 33	9° 44	26° 19	T 5
F 6	12 56 40	16° 4'44	26° 49	22° 0	25° 54	27° 50	12° 31	0° 17	21° 51	3° 50	27° 6	11° 57	10° 30	9° 50	26° 16	F 6
S 7	13 0 36	17° 3'40	9° 28	23° 29	26° 23	28° 36	12° 30	0° 25	21° 55	3° 52	27° 8	11° 54	10° 27	9° 57	26° 13	S 7
S 8	13 4 33	18° 2'33	21° 56	25° 0	26° 51	29° 22	12° D30	0° 32	21° 58	3° 53	27° 9	11° 49	10° 23	10° 4	26° 11	S 8
M 9	13 8 29	19° 1'24	4° 14	26° 32	27° 17	0° 8	12° 30	0° 39	22° 2	3° 55	27° 11	11° 43	10° 20	10° 10	26° 8	M 9
T 10	13 12 26	20° 0'14	16° 23	28° 6	27° 42	0° 53	12° 30	0° 46	22° 5	3° 57	27° 12	11° 36	10° 17	10° 17	26° 5	T 10
W 11	13 16 23	20° 59'01	28° 24	29° 42	28° 5	1° 39	12° 31	0° 53	22° 8	3° 59	27° 13	11° 29	10° 14	10° 24	26° 1	W 11
T 12	13 20 19	21° 57'47	10° 21	1° 19	28° 26	2° 25	12° 31	1° 0	22° 12	4° 0	27° 15	11° 22	10° 11	10° 31	25° 58	T 12
F 13	13 24 16	22° 56'31	22° 12	2° 58	28° 45	3° 11	12° 32	1° 8	22° 15	4° 2	27° 16	11° 17	10° 8	10° 37	25° 55	F 13
S 14	13 28 12	23° 55'13	4° 5	4° 38	29° 2	3° 57	12° 33	1° 15	22° 19	4° 4	27° 17	11° 13	10° 4	10° 44	25° 52	S 14
S 15	13 32 9	24° 53'54	16° 2	6° 20	29° 18	4° 43	12° 34	1° 22	22° 22	4° 5	27° 19	11° 11	10° 1	10° 51	25° 48	S 15
M 16	13 36 5	25° 52'33	28° 9	8° 3	29° 31	5° 29	12° 36	1° 29	22° 26	4° 7	27° 20	11° D10	9° 58	10° 57	25° 45	M 16
T 17	13 40 2	26° 51'10	10° 30	9° 48	29° 42	6° 15	12° 37	1° 36	22° 29	4° 8	27° 22	11° 11	9° 55	11° 4	25° 41	T 17
W 18	13 43 58	27° 49'45	23° 10	11° 35	29° 51	7° 1	12° 39	1° 43	22° 32	4° 10	27° 23	11° 12	9° 52	11° 11	25° 38	W 18
T 19	13 47 55	28° 48'19	6° 14	13° 23	29° 57	7° 47	12° 41	1° 50	22° 36	4° 11	27° 24	11° R13	9° 48	11° 18	25° 34	T 19
F 20	13 51 52	29° 46'51	19° 43	15° 13	0° 2	8° 33	12° 43	1° 57	22° 39	4° 13	27° 26	11° 13	9° 45	11° 24	25° 30	F 20
S 21	13 55 48	0° 45'21	3° 40	17° 5	0° R 4	9° 18	12° 45	2° 4	22° 43	4° 14	27° 27	11° 11	9° 42	11° 31	25° 26	S 21
S 22	13 59 45	1° 43'50	18° 2	18° 58	0° 4	10° 4	12° 47	2° 10	22° 46	4° 16	27° 29	11° 7	9° 39	11° 38	25° 23	S 22
M 23	14 3 41	2° 42'17	2° 46	20° 53	0° 1	10° 50	12° 50	2° 17	22° 50	4° 17	27° 30	11° 0	9° 36	11° 45	25° 19	M 23
T 24	14 7 38	3° 40'42	17° 43	22° 50	29° 56	11° 36	12° 53	2° 24	22° 53	4° 19	27° 31	10° 53	9° 33	11° 51	25° 15	T 24
W 25	14 11 34	4° 39'05	2° 45	24° 48	29° 48	12° 22	12° 56	2° 31	22° 56	4° 20	27° 33	10° 44	9° 29	11° 58	25° 11	W 25
T 26	14 15 31	5° 37'26	17° 43	26° 48	29° 38	13° 8	12° 59	2° 37	23° 0	4° 21	27° 34	10° 37	9° 26	12° 5	25° 7	T 26
F 27	14 19 27	6° 35'45	2° 27	28° 49	29° 26	13° 54	13° 2	2° 44	23° 3	4° 22	27° 36	10° 31	9° 23	12° 11	25° 3	F 27
S 28	14 23 24	7° 34'03	16° 52	0° 52	29° 11	14° 39	13° 5	2° 51	23° 6	4° 24	27° 37	10° 27	9° 20	12° 18	24° 58	S 28
S 29	14 27 21	8° 32'18	0° 56	2° 56	28° 54	15° 25	13° 9	2° 57	23° 10	4° 25	27° 38	10° 25	9° 17	12° 25	24° 54	S 29
M 30	14 31 17	9° 30'30	14° 36	5° 2	28° 34	16° 11	13° 13	3° 4	23° 13	4° 26	27° 40	10° D25	9° 14	12° 32	24° 50	M 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	4n25	17n51	4s 6	7s58	2s14	23n27	5n 4	14s42	1s15	18n 0	1n 0	2s 2	2s 4	7n53	0s34	10s47	0s40	5s 7	16s37	7n 7	7n32	16s46	16s25	3n 3	4n 4	17n51	4s 6
M 2	4 48	16 7	3 12	7 30	2 18	23 41	5 8	14 28	1 15	18 0	1 0	1 59	2 4	7 54	0 34	10 46	0 40	5 7	16 37	7 6	7 33	16 47	16 24	3 4	4 48	16 7	
T 3	5 11	13 30	2 9	7 1	2 21	23 54	5 13	14 13	1 16	18 1	1 0	1 56	2 4	7 56	0 34	10 46	0 40	5 6	16 37	7 6	7 35	16 48	16 22	3 4	5 11	13 30	
W 4	5 34	10 13	1 0	6 31	2 24	24 7	5 17	13 58	1 16	18 1	1 0	1 53	2 4	7 57	0 34	10 45	0 40	5 6	16 37	7 5	7 36	16 49	16 21	3 5	5 34	10 13	
T 5	5 57	6 29	0n11	5 59	2 26	24 19	5 21	13 42	1 17	18 1	1 0	1 50	2 4	7 58	0 34	10 44	0 40	5 5	16 37	7 5	7 37	16 50	16 20	3 5	5 57	6 29	
F 6	6 20	2 30	1 20	5 27	2 28	24 30	5 25	13 27	1 18	18 1	1 0	1 47	2 4	7 59	0 34	10 44	0 40	5 5	16 37	7 5	7 38	16 51	16 19	3 6	6 20	2 30	
S 7	6 42	1s32	2 24	4 53	2 30	24 41	5 29	13 11	1 18	18 1	1 0	1 44	2 5	8 1	0 34	10 43	0 40	5 4	16 37	7 6	7 39	16 52	16 18	3 6	6 42	1s32	
S 8	7 5	5 27	3 20	4 18	2 31	24 52	5 33	12 56	1 19	18 1	1 0	1 42	2 5	8 2	0 34	10 43	0 40	5 4	16 37	7 8	7 41	16 53	16 17	3 7	7 5	5 27	
M 9	7 27	9 4	4 6	3 41	2 31	25 1	5 36	12 40	1 19	18 1	1 0	1 39	2 5	8 3	0 34	10 42	0 40	5 3	16 37	7 10	7 42	16 54	16 16	3 8	7 27	9 4	
T 10	7 50	12 16	4 40	3 4	2 31	25 10	5 40	12 24	1 20	18 1	0 59	1 36	2 5	8 5	0 34	10 41	0 40	5 3	16 37	7 13	7 43	16 55	16 14	3 8	7 50	12 16	
W 11	8 12	14 55	5 1	2 25	2 31	25 18	5 42	12 8	1 20	18 1	0 59	1 33	2 5	8 6	0 34	10 41	0 40	5 2	16 37	7 16	7 44	16 56	16 13	3 9	8 12	14 55	
T 12	8 34	16 55	5 9	1 46	2 29	25 26	5 45	11 52	1 21	18 0	0 59	1 31	2 5	8 7	0 34	10 40	0 40	5 2	16 37	7 18	7 45	16 57	16 12	3 9	8 34	16 55	
F 13	8 56	18 10	5 4	1 5	2 28	25 33	5 48	11 36	1 21	18 0	0 59	1 28	2 5	8 8	0 34	10 40	0 40	5 1	16 37	7 20	7 47	16 58	16 11	3 10	8 56	18 10	
S 14	9 17	18 38	4 45	0 23	2 26	25 39	5 50	11 20	1 22	18 0	0 59	1 25	2 5	8 10	0 34	10 39	0 40	5 0	16 36	7 22	7 48	16 59	16 9	3 10	9 17	18 38	
S 15	9 39	18 17	4 14	0n19	2 23	25 44	5 52	11 4	1 22	17 59	0 59	1 22	2 5	8 11	0 34	10 38	0 40	5 0	16 36	7 23	7 49	17 0	16 8	3 11	9 39	18 17	
M 16	10 0	17 5	3 32	1 3	2 20	25 48	5 53	10 47	1 22	17 59	0 59	1 20	2 5	8 12	0 34	10 38	0 40	4 59	16 36	7 23	7 50	17 0	16 7	3 11	10 0	17 5	
T 17	10 21	15 5	2 38	1 48	2 16	25 52	5 54	10 31	1 23	17 58	0 59	1 17	2 6	8 14	0 34	10 37	0 40	4 59	16 36	7 23	7 51	17 1	16 6	3 11	10 21	15 5	
W 18	10 43	12 18	1 36	2 33	2 12	25 55	5 55	10 14	1 23	17 58	0 59	1 14	2 6	8 15	0 34	10 37	0 40	4 59	16 36	7 22	7 53	17 2	16 4	3 12	10 43	12 18	
T 19	11 3	8 49	0 27	3 20	2 8	25 56	5 56	9 57	1 24	17 57	0 59	1 12	2 6	8 16	0 34	10 36	0 40	4 58	16 36	7 22	7 54	17 3	16 3	3 12	11 3	8 49	
F 20	11 24	4 46	0s46	4 7	2 2	25 57	5 56	9 40	1 24	17 57	0 58	1 9	2 6	8 17	0 34	10 36	0 40	4 58	16 36	7 22	7 55	17 4	16 2	3 13	11 24	4 46	
S 21	11 45	0 21	1 58	4 55	1 57	25 57	5 55	9 24	1 25	17 56	0 58	1 6	2 6	8 19	0 34	10 35	0 40	4 57	16 36	7 23	7 56	17 5	16 0	3 13	11 45	0 21	
S 22	12 5	4n14	3 5	5 44	1 51	25 56	5 54	9 7	1 25	17 55	0 58	1 4	2 6	8 20	0 34	10 35	0 40	4 57	16 36	7 24	7 57	17 6	15 59	3 14	12 5	4n14	
M 23	12 25	8 40	4 1	6 33	1 44	25 55	5 53	8 50	1 26	17 54	0 58	1 1	2 6	8 21	0 34	10 34	0 40	4 56	16 36	7 27	7 59	17 7	15 58	3 14	12 25	8 40	
T 24	12 45	12 37	4 41	7 23	1 37	25 52	5 51	8 33	1 26	17 53	0 58	0 59	2 6	8 22	0 34	10 34	0 40	4 56	16 36	7 30	8 0	17 8	15 56	3 15	12 45	12 37	
W 25	13 5	15 46	5 3	8 14	1 29	25 48	5 49	8 15	1 26	17 52	0 58	0 56	2 7	8 24	0 34	10 33	0 40	4 55	16 36	7 33	8 1	17 9	15 55	3 15	13 5	15 46	
T 26	13 24	17 51	5 3	9 5	1 21	25 42	5 46	7 58	1 27	17 51	0 58	0 54	2 7	8 25	0 34	10 33	0 40	4 55	16 36	7 36	8 2	17 10	15 54	3 16	13 24	17 51	
F 27	13 44	18 42	4 44	9 56	1 13	25 36	5 42	7 41	1 27	17 50	0 58	0 51	2 7	8 26	0 34	10 32	0 40	4 54	16 37	7 38	8 3	17 10	15 52	3 16	13 44	18 42	
S 28	14 3	18 19	4 6	10 47	1 4	25 29	5 38	7 24	1 28	17 49	0 58	0 49	2 7	8 27	0 34	10 32	0 40	4 54	16 37	7 39	8 5	17 11	15 51	3 16	14 3	18 19	
S 29	14 22	16 48	3 15	11 39	0 55	25 20	5 33	7 6	1 28	17 48	0 58	0 46	2 7	8 29	0 34	10 32	0 41	4 54	16 37	7 40	8 6	17 12	15 49	3 17	14 22	16 48	
M 30	14n40	14n20	2s14	12n30	0s45	25n11	5n28	6s49	1s28	17n47	0n58	0s44	2s 7	8n30	0s34	10s31	0s41	4s53	16s37	7n40	8n 7	17s13	15s48	3n17		14n40	14n20

ASTRODIENST EPHEMERIS for the year 1849

geocentric

MAY 1849

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 35 14	10♌28'41	27♏56	7♍9	28♌12	16♌57	13♏17	3♏10	23♏16	4♌27	27♏41	10♌26	9♌10	12♌38	24♌46	T 1
W 2	14 39 10	11°26'50	10♌58	9°17	27♌48	17°42	13°21	3°17	23°20	4°29	27°42	10°R26	9°7	12°45	24♌42	W 2
T 3	14 43 7	12°24'57	23°43	11°25	27°22	18°28	13°25	3°23	23°23	4°30	27°44	10°25	9°4	12°52	24°37	T 3
F 4	14 47 3	13°23'02	6♌16	13°35	26°53	19°14	13°30	3°29	23°26	4°31	27°45	10°22	9°1	12°59	24°33	F 4
S 5	14 51 0	14°21'05	18°39	15°45	26°23	19°59	13°34	3°36	23°30	4°32	27°46	10°17	8°58	13°5	24°29	S 5
S 6	14 54 56	15°19'06	0♌53	17°55	25°51	20°45	13°39	3°42	23°33	4°33	27°48	10°8	8°54	13°12	24°24	S 6
M 7	14 58 53	16°17'05	13°0	20°5	25°18	21°30	13°44	3°48	23°36	4°34	27°49	9°58	8°51	13°19	24°20	M 7
T 8	15 2 49	17°15'04	25°1	22°16	24°43	22°16	13°49	3°54	23°39	4°35	27°50	9°46	8°48	13°25	24°15	T 8
W 9	15 6 46	18°13'00	6♌57	24°25	24°8	23°2	13°54	4°0	23°43	4°36	27°52	9°33	8°45	13°32	24°11	W 9
T 10	15 10 43	19°10'55	18°51	26°34	23°31	23°47	14°0	4°6	23°46	4°37	27°53	9°21	8°42	13°39	24°6	T 10
F 11	15 14 39	20°8'49	0♌42	28°41	22°54	24°33	14°5	4°12	23°49	4°38	27°54	9°11	8°39	13°46	24°2	F 11
S 12	15 18 36	21°6'41	12°35	0♌47	22°16	25°18	14°11	4°18	23°52	4°39	27°56	9°2	8°35	13°52	23°58	S 12
S 13	15 22 32	22°4'32	24°33	2°52	21°38	26°4	14°17	4°24	23°55	4°39	27°57	8°57	8°32	13°59	23°53	S 13
M14	15 26 29	23°2'22	6♌38	4°54	21°0	26°49	14°23	4°30	23°58	4°40	27°58	8°54	8°29	14°6	23°49	M14
T 15	15 30 25	24°0'10	18°57	6°55	20°23	27°34	14°29	4°35	24°1	4°41	28°0	8°52	8°26	14°12	23°44	T 15
W16	15 34 22	24°57'58	1♌33	8°53	19°46	28°20	14°35	4°41	24°4	4°42	28°1	8°52	8°23	14°19	23°40	W16
T 17	15 38 18	25°55'44	14°32	10°48	19°10	29°5	14°42	4°47	24°8	4°42	28°2	8°52	8°20	14°26	23°35	T 17
F 18	15 42 15	26°53'29	27°57	12°41	18°35	29°51	14°48	4°52	24°11	4°43	28°3	8°51	8°16	14°33	23°31	F 18
S 19	15 46 12	27°51'13	11°V52	14°32	18°2	0♏36	14°55	4°58	24°14	4°44	28°5	8°48	8°13	14°39	23°26	S 19
S 20	15 50 8	28°48'56	26°15	16°19	17°29	1°21	15°2	5°3	24°17	4°44	28°6	8°42	8°10	14°46	23°22	S 20
M21	15 54 5	29°46'37	11♌4	18°3	16°59	2°6	15°9	5°9	24°19	4°45	28°7	8°34	8°7	14°53	23°17	M21
T 22	15 58 1	0♌44'18	26°12	19°45	16°30	2°51	15°16	5°14	24°22	4°45	28°8	8°24	8°4	15°0	23°13	T 22
W23	16 1 58	1°41'57	11♌29	21°23	16°3	3°37	15°23	5°19	24°25	4°46	28°9	8°13	8°0	15°6	23°9	W23
T 24	16 5 54	2°39'36	26°44	22°59	15°38	4°22	15°30	5°24	24°28	4°46	28°11	8°3	7°57	15°13	23°4	T 24
F 25	16 9 51	3°37'13	11♌45	24°31	15°15	5°7	15°38	5°29	24°31	4°47	28°12	7°54	7°54	15°20	23°0	F 25
S 26	16 13 47	4°34'48	26°25	26°0	14°55	5°52	15°45	5°34	24°34	4°47	28°13	7°48	7°51	15°26	22°55	S 26
S 27	16 17 44	5°32'22	10♌39	27°26	14°37	6°37	15°53	5°39	24°37	4°48	28°14	7°45	7°48	15°33	22°51	S 27
M28	16 21 41	6°29'55	24°26	28°48	14°21	7°21	16°1	5°44	24°39	4°48	28°15	7°43	7°45	15°40	22°47	M28
T 29	16 25 37	7°27'26	7♌46	0♌8	14°7	8°6	16°9	5°49	24°42	4°48	28°16	7°43	7°41	15°47	22°43	T 29
W30	16 29 34	8°24'56	20°44	1°24	13°56	8°51	16°17	5°54	24°45	4°49	28°17	7°43	7°38	15°53	22°38	W30
T 31	16 33 30	9♌22'24	3♌22	2♌36	13♌47	9♏36	16♌25	5♏58	24♏48	4♌49	28♏19	7♌41	7♌35	16♌0	22♌34	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n59	11n10	1s 6	13n21	0s35	25n 0	5n22	6s31	1s29	17n46	0n57	0s41	2s 7	8n31	0s34	10s31
W 2	15 17	7 30	0n 3	14 12	0 25	24 48	5 15	6 14	1 29	17 44	0 57	0 39	2 8	8 32	0 34	10 30
T 3	15 34	3 34	1 10	15 2	0 15	24 35	5 8	5 56	1 29	17 43	0 57	0 36	2 8	8 34	0 34	10 30
F 4	15 52	0s27	2 13	15 52	0 4	24 20	5 0	5 38	1 30	17 42	0 57	0 34	2 8	8 35	0 34	10 30
S 5	16 9	4 24	3 9	16 40	0n 7	24 5	4 51	5 21	1 30	17 40	0 57	0 32	2 8	8 36	0 34	10 29
S 6	16 26	8 7	3 55	17 27	0 17	23 48	4 42	5 3	1 30	17 39	0 57	0 29	2 8	8 37	0 34	10 29
M 7	16 43	11 28	4 29	18 13	0 28	23 30	4 32	4 45	1 31	17 37	0 57	0 27	2 8	8 38	0 34	10 29
T 8	17 0	14 19	4 52	18 58	0 38	23 12	4 22	4 28	1 31	17 36	0 57	0 25	2 9	8 40	0 34	10 28
W 9	17 16	16 32	5 1	19 40	0 48	22 52	4 11	4 10	1 31	17 34	0 57	0 23	2 9	8 41	0 34	10 28
T 10	17 32	18 3	4 58	20 21	0 58	22 31	3 59	3 52	1 31	17 33	0 57	0 20	2 9	8 42	0 34	10 28
F 11	17 48	18 46	4 41	20 59	1 8	22 10	3 47	3 34	1 32	17 31	0 57	0 18	2 9	8 43	0 34	10 27
S 12	18 3	18 41	4 12	21 35	1 17	21 48	3 34	3 16	1 32	17 29	0 56	0 16	2 9	8 44	0 34	10 27
S 13	18 18	17 45	3 32	22 9	1 25	21 25	3 21	2 59	1 32	17 27	0 56	0 14	2 9	8 45	0 34	10 27
M14	18 33	16 1	2 42	22 40	1 34	21 3	3 8	2 41	1 32	17 26	0 56	0 12	2 10	8 46	0 34	10 26
T 15	18 47	13 31	1 44	23 8	1 41	20 39	2 54	2 23	1 33	17 24	0 56	0 10	2 10	8 48	0 34	10 26
W16	19 1	10 20	0 39	23 34	1 48	20 16	2 40	2 5	1 33	17 22	0 56	0 7	2 10	8 49	0 34	10 26
T 17	19 15	6 33	0s30	23 38	1 54	19 52	2 26	1 47	1 33	17 20	0 56	0 5	2 10	8 50	0 34	10 26
F 18	19 29	2 20	1 39	24 19	1 59	19 29	2 12	1 29	1 33	17 18	0 56	0 3	2 10	8 51	0 34	10 26
S 19	19 42	2n10	2 45	24 37	2 4	19 6	1 58	1 12	1 34	17 16	0 56	0 1	2 11	8 52	0 34	10 25
S 20	19 55	6 41	3 43	24 53	2 8	18 43	1 43	0 54	1 34	17 14	0 56	0n 1	2 11	8 53	0 34	10 25
M21	20 7	10 56	4 27	25 6	2 11	18 20	1 29	0 36	1 34	17 11	0 56	0 2	2 11	8 54	0 34	10 25
T 22	20 19	14 33	4 54	25 17	2 13	17 58	1 15	0 18	1 34	17 9	0 56	0 4	2 11	8 55	0 34	10 25
W23	20 31	17 13	5 0	25 25	2 15	17 37	1 1	0 0	1 34	17 7	0 55	0 6	2 11	8 56	0 34	10 25
T 24	20 42	18 40	4 45	25 32	2 16	17 17	0 47	0n17	1 34	17 5	0 55	0 8	2 12	8 57	0 34	10 25
F 25	20 53	18 47	4 10	25 36	2 16	16 57	0 33	0 35	1 35	17 3	0 55	0 10	2 12	8 58	0 34	10 24
S 26	21 4	17 37	3 20	25 38	2 15	16 38	0 20	0 53	1 35	17 0	0 55	0 12	2 12	8 59	0 34	10 24
S 27	21 15	15 22	2 18	25 39	2 13	16 20	0 6	1 11	1 35	16 58	0 55	0 14	2 12	9 0	0 34	10 24
M28	21 25	12 18	1 10	25 37	2 10	16 3	0s 6	1 28	1 35	16 55	0 55	0 15	2 12	9 1	0 35	10 24
T 29	21 34	8 40	0n 0	25 34	2 7	15 47	0 19	1 46	1 35	16 53	0 55	0 17	2 13	9 2	0 35	10 24
W30	21 43	4 43	1 8	25 29	2 3	15 32	0 31	2 3	1 35	16 50	0 55	0 19	2 13	9 3	0 35	10 24
T 31	21n52	0n40	2n11	25n23	1n57	15n18	0s43	2n21	1s35	16n48	0n55	0n20	2s13	9n 4	0s35	10s24

Julian Day Number = 2396513.5, Delta T = 9.05 sec
 Ecliptic obliquity = 23°27'23, Nutation = - 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°38'11, Lahiri = 21°45'11

ASTRODIENST EPHEMERIS for the year 1849
geocentric

JUNE 1849

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	16 37 27	10 ^{II} 19°52	15 [♊] 46	3 [♈] 45	13°R41	10 [♊] 21	16 [♊] 34	6 [♊] 3	24 [♊] 50	4 [♈] 49	28 [♊] 20	7°R38	7 [♊] 32	16 [♈] 7	22°R30	F 1
S 2	16 41 23	11°17'18	27°58	4°51	13 [♋] 37	11° 5	16°42	6° 7	24°53	4°49	28°21	7 [♊] 32	7°29	16°13	22 [♊] 26	S 2
S 3	16 45 20	12°14'43	10 [♊] 2	5°53	13°D35	11°50	16°51	6°12	24°55	4°49	28°22	7°23	7°25	16°20	22°22	S 3
M 4	16 49 16	13°12'07	22° 1	6°52	13°36	12°34	17° 0	6°16	24°58	4°49	28°23	7°11	7°22	16°27	22°18	M 4
T 5	16 53 13	14° 9'29	3 [♊] 56	7°46	13°39	13°19	17° 8	6°21	25° 0	4°50	28°24	6°58	7°19	16°34	22°14	T 5
W 6	16 57 10	15° 6'52	15°49	8°37	13°44	14° 3	17°17	6°25	25° 3	4°50	28°25	6°44	7°16	16°40	22°10	W 6
T 7	17 1 6	16° 4'13	27°42	9°24	13°51	14°48	17°26	6°29	25° 5	4°R50	28°26	6°31	7°13	16°47	22° 7	T 7
F 8	17 5 3	17° 1'33	9 [♊] 35	10° 8	14° 1	15°32	17°35	6°33	25° 8	4°50	28°27	6°19	7°10	16°54	22° 3	F 8
S 9	17 8 59	17°58'53	21°31	10°47	14°13	16°16	17°45	6°37	25°10	4°50	28°28	6°10	7° 6	17° 1	21°59	S 9
S 10	17 12 56	18°56'13	3 [♊] 32	11°22	14°27	17° 1	17°54	6°41	25°13	4°49	28°29	6° 3	7° 3	17° 7	21°55	S 10
M 11	17 16 52	19°53'31	15°41	11°52	14°42	17°45	18° 3	6°44	25°15	4°49	28°30	6° 0	7° 0	17°14	21°52	M 11
T 12	17 20 49	20°50'49	28° 2	12°19	15° 0	18°29	18°13	6°48	25°17	4°49	28°31	5°58	6°57	17°21	21°48	T 12
W 13	17 24 46	21°48'07	10 [♈] 38	12°41	15°20	19°13	18°22	6°52	25°19	4°49	28°32	5°D58	6°54	17°27	21°45	W 13
T 14	17 28 42	22°45'25	23°34	12°58	15°41	19°57	18°32	6°55	25°22	4°49	28°33	5°R58	6°51	17°34	21°41	T 14
F 15	17 32 39	23°42'42	6 [♊] 54	13°11	16° 4	20°41	18°42	6°59	25°24	4°49	28°33	5°57	6°47	17°41	21°38	F 15
S 16	17 36 35	24°39'59	20°41	13°20	16°29	21°25	18°52	7° 2	25°26	4°48	28°34	5°55	6°44	17°48	21°35	S 16
S 17	17 40 32	25°37'15	4 [♈] 56	13°R23	16°55	22° 9	19° 2	7° 5	25°28	4°48	28°35	5°50	6°41	17°54	21°32	S 17
M 18	17 44 28	26°34'32	19°38	13°23	17°23	22°52	19°12	7° 9	25°30	4°48	28°36	5°43	6°38	18° 1	21°28	M 18
T 19	17 48 25	27°31'48	4 [♊] 41	13°18	17°53	23°36	19°22	7°12	25°32	4°47	28°37	5°35	6°35	18° 8	21°25	T 19
W 20	17 52 21	28°29'04	19°56	13° 8	18°23	24°20	19°32	7°15	25°34	4°47	28°38	5°25	6°31	18°14	21°22	W 20
T 21	17 56 18	29°26'20	5 [♈] 12	12°54	18°56	25° 3	19°43	7°18	25°36	4°46	28°38	5°16	6°28	18°21	21°20	T 21
F 22	18 0 15	0 [♈] 23'35	20°20	12°36	19°29	25°47	19°53	7°20	25°38	4°46	28°39	5° 8	6°25	18°28	21°17	F 22
S 23	18 4 11	1°20'50	5 [♊] 8	12°15	20° 4	26°30	20° 4	7°23	25°40	4°46	28°40	5° 3	6°22	18°35	21°14	S 23
S 24	18 8 8	2°18'04	19°31	11°50	20°40	27°13	20°14	7°26	25°42	4°45	28°41	4°59	6°19	18°41	21°11	S 24
M 25	18 12 4	3°15'18	3 [♊] 22	11°22	21°17	27°56	20°25	7°28	25°43	4°44	28°41	4°D59	6°16	18°48	21° 9	M 25
T 26	18 16 1	4°12'31	16°52	10°51	21°56	28°40	20°35	7°31	25°45	4°44	28°42	4°59	6°12	18°55	21° 6	T 26
W 27	18 19 57	5° 9'44	29°53	10°18	22°35	29°23	20°46	7°33	25°47	4°43	28°43	5°R 0	6° 9	19° 2	21° 4	W 27
T 28	18 23 54	6° 6'56	12 [♊] 32	9°43	23°16	0 [♈] 6	20°57	7°35	25°48	4°43	28°43	4°59	6° 6	19° 8	21° 2	T 28
F 29	18 27 50	7° 4'08	24°54	9° 7	23°57	0°48	21° 8	7°37	25°50	4°42	28°44	4°58	6° 3	19°15	20°59	F 29
S 30	18 31 47	8 [♈] 1'19	7 [♊] 3	8 [♈] 31	24 [♈] 40	1 [♈] 31	21 [♊] 19	7 [♊] 39	25 [♊] 52	4 [♈] 41	28 [♊] 44	4 [♊] 54	6 [♊] 0	19 [♈] 22	20 [♊] 57	S 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	decl	decl	lat
F 1	22n 1	3s20	3n 6	25n16	1n52	15n 6	0s54	2n38	1s35	16n45	0n55	0n22	2s13	9n 5	0s35	10s24	0s42	4s44	16s41	8n43	8n45	17s40	15s 5	3n26		
S 2	22 9	7 9	3 52	25 7	1 45	14 54	1 5	2 56	1 35	16 43	0 55	0 23	2 14	9 6	0 35	10 24	0 42	4 44	16 41	8 45	8 46	17 41	15 4	3 26		
S 3	22 17	10 37	4 27	24 57	1 38	14 44	1 16	3 13	1 35	16 40	0 55	0 25	2 14	9 7	0 35	10 24	0 42	4 43	16 42	8 48	8 47	17 42	15 3	3 27		
M 4	22 24	13 37	4 50	24 46	1 29	14 34	1 26	3 30	1 35	16 37	0 55	0 26	2 14	9 8	0 35	10 24	0 42	4 43	16 42	8 53	8 49	17 43	15 2	3 27		
T 5	22 31	16 3	4 59	24 34	1 20	14 26	1 35	3 48	1 35	16 35	0 55	0 28	2 14	9 9	0 35	10 24	0 42	4 43	16 42	8 58	8 50	17 43	15 0	3 27		
W 6	22 37	17 48	4 56	24 21	1 10	14 18	1 45	4 5	1 35	16 32	0 54	0 29	2 14	9 10	0 35	10 24	0 42	4 43	16 42	9 3	8 51	17 44	14 59	3 27		
T 7	22 44	18 46	4 40	24 7	1 0	14 12	1 54	4 22	1 35	16 29	0 54	0 31	2 15	9 11	0 35	10 24	0 42	4 43	16 42	9 8	8 52	17 45	14 58	3 27		
F 8	22 49	18 56	4 12	23 53	0 49	14 7	2 2	4 39	1 35	16 26	0 54	0 32	2 15	9 12	0 35	10 24	0 42	4 43	16 43	9 12	8 53	17 46	14 57	3 27		
S 9	22 55	18 15	3 32	23 38	0 37	14 3	2 10	4 56	1 35	16 23	0 54	0 33	2 15	9 13	0 35	10 24	0 42	4 43	16 43	9 15	8 54	17 47	14 56	3 27		
S 10	23 0	16 44	2 43	23 22	0 24	13 59	2 18	5 13	1 35	16 20	0 54	0 35	2 15	9 13	0 35	10 24	0 42	4 43	16 43	9 18	8 56	17 47	14 55	3 27		
M11	23 4	14 28	1 45	23 6	0 11	13 57	2 25	5 30	1 35	16 17	0 54	0 36	2 16	9 14	0 35	10 24	0 42	4 43	16 43	9 19	8 57	17 48	14 54	3 27		
T 12	23 8	11 31	0 42	22 50	0s 3	13 55	2 32	5 47	1 35	16 14	0 54	0 37	2 16	9 15	0 35	10 24	0 42	4 43	16 44	9 20	8 58	17 49	14 53	3 28		
W13	23 12	7 58	0s25	22 34	0 18	13 55	2 39	6 4	1 35	16 11	0 54	0 38	2 16	9 16	0 35	10 24	0 42	4 42	16 44	9 20	8 59	17 50	14 52	3 28		
T 14	23 15	3 58	1 32	22 17	0 33	13 55	2 45	6 20	1 35	16 8	0 54	0 40	2 16	9 17	0 35	10 24	0 42	4 42	16 44	9 20	9 0	17 50	14 51	3 28		
F 15	23 18	0n21	2 36	22 0	0 48	13 56	2 51	6 37	1 35	16 5	0 54	0 41	2 17	9 17	0 35	10 24	0 42	4 42	16 45	9 20	9 2	17 51	14 50	3 28		
S 16	23 21	4 47	3 34	21 44	1 4	13 58	2 56	6 53	1 35	16 2	0 54	0 42	2 17	9 18	0 35	10 25	0 42	4 42	16 45	9 21	9 3	17 52	14 49	3 28		
S 17	23 23	9 5	4 20	21 27	1 20	14 0	3 1	7 10	1 35	15 59	0 54	0 43	2 17	9 19	0 35	10 25	0 42	4 42	16 45	9 23	9 4	17 53	14 49	3 28		
M18	23 25	12 59	4 51	21 11	1 36	14 3	3 6	7 26	1 35	15 56	0 54	0 44	2 17	9 20	0 35	10 25	0 42	4 42	16 45	9 25	9 5	17 53	14 48	3 28		
T 19	23 26	16 8	5 3	20 55	1 53	14 7	3 11	7 42	1 35	15 52	0 54	0 45	2 18	9 20	0 35	10 25	0 42	4 42	16 46	9 28	9 6	17 54	14 47	3 28		
W20	23 27	18 12	4 53	20 40	2 9	14 12	3 15	7 58	1 34	15 49	0 54	0 46	2 18	9 21	0 35	10 25	0 42	4 42	16 46	9 32	9 7	17 55	14 46	3 28		
T 21	23 27	18 59	4 23	20 25	2 26	14 17	3 19	8 14	1 34	15 46	0 54	0 47	2 18	9 22	0 35	10 25	0 42	4 42	16 46	9 35	9 9	17 56	14 45	3 28		
F 22	23 27	18 23	3 34	20 10	2 42	14 22	3 22	8 30	1 34	15 43	0 54	0 48	2 19	9 22	0 35	10 26	0 42	4 42	16 46	9 38	9 10	17 56	14 45	3 28		
S 23	23 27	16 32	2 32	19 56	2 58	14 28	3 25	8 46	1 34	15 39	0 54	0 48	2 19	9 23	0 35	10 26	0 42	4 42	16 47	9 40	9 11	17 57	14 44	3 28		
S 24	23 26	13 41	1 22	19 43	3 13	14 35	3 28	9 2	1 34	15 36	0 54	0 49	2 19	9 24	0 35	10 26	0 42	4 42	16 47	9 41	9 12	17 58	14 43	3 28		
M25	23 25	10 8	0 8	19 31	3 28	14 42	3 31	9 18	1 34	15 32	0 54	0 50	2 19	9 24	0 35	10 26	0 42	4 42	16 47	9 42	9 13	17 59	14 43	3 28		
T 26	23 23	6 9	1n 3	19 20	3 41	14 49	3 34	9 33	1 33	15 29	0 53	0 51	2 20	9 25	0 35	10 26	0 42	4 42	16 48	9 41	9 14	17 59	14 42	3 28		
W27	23 21	2 1	2 9	19 10	3 54	14 57	3 36	9 48	1 33	15 25	0 53	0 51	2 20	9 25	0 35	10 27	0 42	4 42	16 48	9 41	9 16	18 0	14 41	3 28		
T 28	23 19	2s 5	3 7	19 1	4 6	15 5	3 38	10 4	1 33	15 22	0 53	0 52	2 20	9 26	0 35	10 27	0 42	4 43	16 48	9 41	9 17	18 1	14 41	3 28		
F 29	23 16	6 1	3 54	18 53	4 16	15 13	3 40	10 19	1 33	15 18	0 53	0 53	2 20	9 27	0 35	10 27	0 43	4 43	16 49	9 42	9 18	18 2	14 40	3 28		
S 30	23n13	9s37	4n30	18n46	4s25	15n22	3s41	10n34	1s32	15n15	0n53	0n53	2s21	9n27	0s35	10s28	0s43	4s43	16s49	9n43	9n19	18s 2	14s40	3n28		

ASTRODIENST EPHEMERIS for the year 1849

geocentric

JULY 1849

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 35 44	8°58'31	19°11' 3	7°R54	25°8'23	2°8'14	21°12'30	7°V41	25°V53	4°R41	28°V45	4°R48	5°11'57	19°27'28	20°R55	S 1
M 2	18 39 40	9°55'42	0°27'57	7°19'19	26° 8	2°5'7	21°41	7°43	25°55	4°H40	28°46	4°11'40	5°53	19°35	20°M53	M 2
T 3	18 43 37	10°52'52	12°50	6°45	26°53	3°39	21°53	7°45	25°56	4°39	28°46	4°30	5°50	19°42	20°51	T 3
W 4	18 47 33	11°50'03	24°42	6°12	27°39	4°22	22° 4	7°47	25°57	4°38	28°47	4°20	5°47	19°49	20°50	W 4
T 5	18 51 30	12°47'14	6°33'37	5°43	28°26	5° 4	22°15	7°48	25°59	4°37	28°47	4°11	5°44	19°55	20°48	T 5
F 6	18 55 26	13°44'25	18°35	5°16	29°13	5°46	22°27	7°50	26° 0	4°36	28°48	4° 3	5°41	20° 2	20°46	F 6
S 7	18 59 23	14°41'36	0°28'38	4°53	0°II 2	6°28	22°38	7°51	26° 1	4°36	28°48	3°56	5°37	20° 9	20°45	S 7
S 8	19 3 19	15°38'47	12°48	4°34	0°51	7°10	22°50	7°52	26° 2	4°35	28°49	3°52	5°34	20°15	20°44	S 8
M 9	19 7 16	16°35'58	25° 6	4°19	1°41	7°52	23° 2	7°54	26° 4	4°34	28°49	3°50	5°31	20°22	20°42	M 9
T 10	19 11 13	17°33'10	7°H36	4° 9	2°31	8°34	23°13	7°55	26° 5	4°33	28°50	3°D49	5°28	20°29	20°41	T 10
W11	19 15 9	18°30'22	20°20	4° 4	3°23	9°16	23°25	7°56	26° 6	4°32	28°50	3°50	5°25	20°36	20°40	W11
T 12	19 19 6	19°27'35	3°V20	4°D 4	4°14	9°58	23°37	7°56	26° 7	4°31	28°50	3°51	5°22	20°42	20°39	T 12
F 13	19 23 2	20°24'48	16°40	4° 9	5° 7	10°40	23°49	7°57	26° 8	4°30	28°51	3°R52	5°18	20°49	20°38	F 13
S 14	19 26 59	21°22'02	0°8'22	4°20	6° 0	11°21	24° 0	7°58	26° 9	4°29	28°51	3°52	5°15	20°56	20°37	S 14
S 15	19 30 55	22°19'17	14°27	4°36	6°53	12° 2	24°12	7°58	26° 9	4°28	28°51	3°50	5°12	21° 2	20°37	S 15
M16	19 34 52	23°16'33	28°55	4°58	7°47	12°44	24°24	7°59	26°10	4°26	28°52	3°47	5° 9	21° 9	20°36	M16
T 17	19 38 48	24°13'49	13°II41	5°25	8°42	13°25	24°36	7°59	26°11	4°25	28°52	3°42	5° 6	21°16	20°36	T 17
W18	19 42 45	25°11'06	28°40	5°58	9°37	14° 6	24°49	7°59	26°12	4°24	28°52	3°36	5° 3	21°23	20°35	W18
T 19	19 46 42	26° 8'23	13°III43	6°36	10°33	14°47	25° 1	8° 0	26°12	4°23	28°52	3°31	4°59	21°29	20°35	T 19
F 20	19 50 38	27° 5'41	28°41	7°20	11°29	15°28	25°13	8°R 0	26°13	4°22	28°53	3°26	4°56	21°36	20°35	F 20
S 21	19 54 35	28° 3'00	13°II25	8°10	12°26	16° 9	25°25	8° 0	26°14	4°21	28°53	3°23	4°53	21°43	20°D35	S 21
S 22	19 58 31	29° 0'19	27°48	9° 4	13°23	16°49	25°37	7°59	26°14	4°19	28°53	3°D22	4°50	21°50	20°35	S 22
M23	20 2 28	29°57'39	11°II46	10° 4	14°20	17°30	25°50	7°59	26°15	4°18	28°53	3°22	4°47	21°56	20°35	M23
T 24	20 6 24	0°15'54	25°17	11°10	15°18	18°10	26° 2	7°59	26°15	4°17	28°53	3°23	4°43	22° 3	20°35	T 24
W25	20 10 21	1°52'19	8°II23	12°20	16°16	18°50	26°15	7°58	26°15	4°15	28°53	3°25	4°40	22°10	20°35	W25
T 26	20 14 17	2°49'40	21° 6	13°36	17°15	19°30	26°27	7°58	26°16	4°14	28°53	3°26	4°37	22°16	20°36	T 26
F 27	20 18 14	3°47'02	3°III30	14°56	18°14	20°10	26°39	7°57	26°16	4°13	28°53	3°R27	4°34	22°23	20°36	F 27
S 28	20 22 11	4°44'24	15°40	16°21	19°13	20°50	26°52	7°56	26°16	4°11	28°53	3°26	4°31	22°30	20°37	S 28
S 29	20 26 7	5°41'46	27°40	17°51	20°13	21°30	27° 5	7°55	26°17	4°10	28°R54	3°24	4°28	22°37	20°38	S 29
M30	20 30 4	6°39'09	9°X34	19°25	21°13	22°10	27°17	7°55	26°17	4° 9	28°S54	3°21	4°24	22°43	20°38	M30
T 31	20 34 0	7°13'36	21°X26	21°19	22°II13	22°X49	27°13	7°V53	26°V17	4°H 7	28°V53	3°11'18	4°11'21	22°X50	20°M39	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23n 9	12s47	4n54	18n41	4s33	15n31	3s43	10n49	1s32	15n11	0n53	0n54	2s21	9n28	0s35	10s28
M 2	23 5	15 24	5 5	18 36	4 39	15 40	3 44	11 4	1 32	15 8	0 53	0 54	2 21	9 28	0 35	10 28
T 3	23 1	17 21	5 2	18 34	4 44	15 50	3 44	11 18	1 32	15 4	0 53	0 55	2 22	9 29	0 35	10 28
W 4	22 56	18 35	4 46	18 32	4 47	15 59	3 45	11 33	1 31	15 0	0 53	0 55	2 22	9 29	0 35	10 29
T 5	22 50	18 59	4 18	18 32	4 48	16 9	3 46	11 47	1 31	14 56	0 53	0 56	2 22	9 30	0 35	10 29
F 6	22 45	18 33	3 39	18 33	4 48	16 19	3 46	12 2	1 31	14 53	0 53	0 56	2 22	9 30	0 35	10 29
S 7	22 39	17 17	2 49	18 36	4 46	16 29	3 46	12 16	1 30	14 49	0 53	0 56	2 23	9 31	0 35	10 30
S 8	22 32	15 12	1 51	18 40	4 43	16 39	3 46	12 30	1 30	14 45	0 53	0 56	2 23	9 31	0 35	10 30
M 9	22 25	12 26	0 47	18 45	4 39	16 50	3 46	12 44	1 30	14 41	0 53	0 56	2 23	9 31	0 35	10 31
T 10	22 18	9 2	0s20	18 51	4 33	17 0	3 45	12 58	1 29	14 37	0 53	0 57	2 23	9 32	0 35	10 31
W11	22 11	5 11	1 28	18 58	4 26	17 10	3 45	13 11	1 29	14 34	0 53	0 57	2 24	9 32	0 35	10 31
T 12	22 3	1 1	2 33	19 6	4 17	17 20	3 44	13 25	1 28	14 30	0 53	0 57	2 24	9 32	0 35	10 32
F 13	21 54	3n18	3 31	19 16	4 8	17 31	3 43	13 38	1 28	14 26	0 53	0 57	2 24	9 33	0 35	10 32
S 14	21 45	7 34	4 19	19 26	3 58	17 41	3 42	13 52	1 28	14 22	0 53	0 57	2 25	9 33	0 35	10 33
S 15	21 36	11 31	4 53	19 36	3 46	17 51	3 41	14 5	1 27	14 18	0 53	0 57	2 25	9 33	0 35	10 33
M16	21 27	14 54	5 9	19 47	3 35	18 1	3 39	14 18	1 27	14 14	0 53	0 57	2 25	9 34	0 35	10 33
T 17	21 17	17 24	5 5	19 59	3 22	18 11	3 38	14 30	1 26	14 10	0 53	0 57	2 25	9 34	0 36	10 34
W18	21 7	18 46	4 41	20 11	3 9	18 21	3 36	14 43	1 26	14 6	0 53	0 56	2 26	9 34	0 36	10 34
T 19	20 56	18 49	3 57	20 22	2 55	18 30	3 35	14 56	1 25	14 2	0 53	0 56	2 26	9 34	0 36	10 35
F 20	20 45	17 32	2 58	20 34	2 41	18 40	3 33	15 8	1 25	13 57	0 53	0 56	2 26	9 35	0 36	10 35
S 21	20 34	15 6	1 47	20 46	2 27	18 49	3 31	15 20	1 24	13 53	0 53	0 56	2 27	9 35	0 36	10 36
S 22	20 22	11 46	0 30	20 57	2 12	18 58	3 29	15 32	1 24	13 49	0 53	0 55	2 27	9 35	0 36	10 36
M23	20 10	7 52	0n46	21 7	1 58	19 7	3 27	15 44	1 23	13 45	0 53	0 55	2 27	9 35	0 36	10 37
T 24	19 58	3 40	1 57	21 17	1 43	19 16	3 24	15 56	1 23	13 41	0 53	0 55	2 27	9 35	0 36	10 37
W25	19 45	0s34	3 0	21 25	1 28	19 24	3 22	16 7	1 22	13 37	0 53	0 54	2 28	9 35	0 36	10 38
T 26	19 32	4 39	3 52	21 32	1 14	19 32	3 19	16 19	1 22	13 32	0 53	0 54	2 28	9 35	0 36	10 38
F 27	19 19	8 26	4 32	21 38	0 59	19 40	3 17	16 30	1 21	13 28	0 53	0 53	2 28	9 35	0 36	10 39
S 28	19 6	11 47	4 58	21 43	0 45	19 48	3 14	16 41	1 20	13 24	0 53	0 53	2 29	9 36	0 36	10 39
S 29	18 52	14 35	5 12	21 45	0 31	19 55	3 11	16 52	1 20	13 19	0 53	0 52	2 29	9 36	0 36	10 40
M30	18 37	16 46	5 11	21 46	0 18	20 2	3 8	17 3	1 19	13 15	0 53	0 51	2 29	9 36	0 36	10 40
T 31	18n23	18s14	4n58	21n44	0s 4	20n 9	3s 5	17n13	1s19	13n11	0n53	0n51	2s29	9n36	0s36	10s41

Julian Day Number = 2396574.5, Delta T = 9.10 sec
 Ecliptic obliquity = 23°27'23, Nutation = - 0°00'07, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°38'19, Lahiri = 21°45'20

ASTRODIENST EPHEMERIS for the year 1849

geocentric

AUGUST 1849

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 37 57	8♂33'58	3♂20	22♂45	23♂14	23♂28	27♂42	7°R52	26°R17	4°R 6	28°R53	3°R13	4♂18	22♂57	20♂40	W 1
T 2	20 41 53	9°31'23	15°18	24°31	24°15	24° 8	27°55	7°Y51	26°Y17	4°Y 4	28°Y53	3°Y 9	4°15	23° 3	20°42	T 2
F 3	20 45 50	10°28'49	27°23	26°20	25°17	24°47	28° 8	7°50	26°17	4° 3	28°53	3° 6	4°12	23°10	20°43	F 3
S 4	20 49 46	11°26'16	9♂36	28°12	26°18	25°26	28°20	7°48	26°17	4° 1	28°53	3° 4	4° 9	23°17	20°44	S 4
S 5	20 53 43	12°23'44	22° 0	0♂ 6	27°20	26° 4	28°33	7°47	26°16	4° 0	28°53	3° 2	4° 5	23°24	20°46	S 5
M 6	20 57 40	13°21'13	4♂34	2° 3	28°23	26°43	28°46	7°45	26°16	3°58	28°53	3°D 2	4° 2	23°30	20°47	M 6
T 7	21 1 36	14°18'43	17°21	4° 2	29°25	27°21	28°59	7°43	26°16	3°57	28°53	3° 2	3°59	23°37	20°49	T 7
W 8	21 5 33	15°16'15	0°Y21	6° 2	0♂28	28° 0	29°12	7°41	26°16	3°55	28°53	3° 3	3°56	23°44	20°51	W 8
T 9	21 9 29	16°13'48	13°35	8° 4	1°31	28°38	29°25	7°39	26°15	3°54	28°52	3° 5	3°53	23°50	20°52	T 9
F 10	21 13 26	17°11'22	27° 4	10° 6	2°34	29°16	29°37	7°37	26°15	3°52	28°52	3° 6	3°49	23°57	20°54	F 10
S 11	21 17 22	18° 8'58	10♂49	12° 9	3°38	29°54	29°50	7°35	26°14	3°51	28°52	3° 6	3°46	24° 4	20°56	S 11
S 12	21 21 19	19° 6'35	24°49	14°11	4°42	0♂32	0♂ 3	7°33	26°14	3°49	28°52	3°R 7	3°43	24°11	20°59	S 12
M13	21 25 15	20° 4'14	9♂ 5	16°14	5°46	1° 9	0°16	7°31	26°13	3°47	28°51	3° 6	3°40	24°17	21° 1	M13
T 14	21 29 12	21° 1'54	23°32	18°17	6°51	1°47	0°29	7°28	26°13	3°46	28°51	3° 5	3°37	24°24	21° 3	T 14
W15	21 33 9	21°59'36	8♂ 8	20°19	7°55	2°24	0°42	7°26	26°12	3°44	28°51	3° 4	3°34	24°31	21° 6	W15
T 16	21 37 5	22°57'20	22°47	22°20	9° 0	3° 1	0°55	7°23	26°12	3°43	28°50	3° 2	3°30	24°37	21° 8	T 16
F 17	21 41 2	23°55'05	7♂22	24°20	10° 5	3°38	1° 8	7°21	26°11	3°41	28°50	3° 1	3°27	24°44	21°11	F 17
S 18	21 44 58	24°52'51	21°48	26°20	11°10	4°14	1°21	7°18	26°10	3°39	28°50	3° 1	3°24	24°51	21°14	S 18
S 19	21 48 55	25°50'39	5♂59	28°18	12°16	4°51	1°34	7°15	26° 9	3°38	28°49	3°D 1	3°21	24°58	21°16	S 19
M20	21 52 51	26°48'28	19°50	0♂15	13°21	5°27	1°47	7°12	26° 8	3°36	28°49	3° 1	3°18	25° 4	21°19	M20
T 21	21 56 48	27°46'18	3♂19	2°11	14°27	6° 3	2° 0	7° 9	26° 7	3°35	28°48	3° 1	3°15	25°11	21°22	T 21
W22	22 0 44	28°44'10	16°26	4° 6	15°33	6°39	2°13	7° 6	26° 6	3°33	28°48	3° 2	3°11	25°18	21°25	W22
T 23	22 4 41	29°42'03	29°11	6° 0	16°40	7°15	2°26	7° 3	26° 5	3°31	28°47	3° 2	3° 8	25°24	21°29	T 23
F 24	22 8 37	0♂39'57	11♂38	7°52	17°46	7°51	2°39	7° 0	26° 4	3°30	28°47	3° 3	3° 5	25°31	21°32	F 24
S 25	22 12 34	1°37'53	23°49	9°43	18°53	8°26	2°52	6°56	26° 3	3°28	28°46	3° 3	3° 2	25°38	21°35	S 25
S 26	22 16 31	2°35'50	5♂50	11°32	20° 0	9° 1	3° 5	6°53	26° 2	3°26	28°46	3° 3	2°59	25°45	21°39	S 26
M27	22 20 27	3°33'48	17°45	13°20	21° 7	9°36	3°18	6°49	26° 1	3°25	28°45	3° 3	2°55	25°51	21°42	M27
T 28	22 24 24	4°31'48	29°37	15° 7	22°14	10°11	3°31	6°46	26° 0	3°23	28°45	3° 3	2°52	25°58	21°46	T 28
W29	22 28 20	5°29'48	11♂32	16°53	23°21	10°45	3°44	6°42	25°58	3°21	28°44	3° 3	2°49	26° 5	21°50	W29
T 30	22 32 17	6°27'51	23°34	18°38	24°28	11°20	3°57	6°39	25°57	3°20	28°43	3° 3	2°46	26°11	21°54	T 30
F 31	22 36 13	7♂25'55	5♂46	20♂21	25♂36	11♂54	4♂10	6°Y35	25°Y56	3°Y18	28°Y43	3♂ 4	2♂43	26♂18	21♂57	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n 8	18s54	4n31	21n40	0n 8	20n15	3s 2	17n24	1s18	13n 6	0n53	0n50	2s30	9n36	0s36	10s41
T 2	17 53	18 43	3 53	21 34	0 20	20 21	2 59	17 34	1 17	13 2	0 53	0 49	2 30	9 36	0 36	10 42
F 3	17 37	17 42	3 4	21 25	0 31	20 26	2 56	17 44	1 17	12 58	0 53	0 49	2 30	9 36	0 36	10 42
S 4	17 22	15 51	2 5	21 13	0 42	20 32	2 53	17 54	1 16	12 53	0 53	0 48	2 30	9 35	0 36	10 43
S 5	17 6	13 14	1 0	20 59	0 52	20 36	2 49	18 4	1 15	12 49	0 53	0 47	2 31	9 35	0 36	10 44
M 6	16 49	9 58	0s 9	20 42	1 1	20 41	2 46	18 14	1 14	12 44	0 53	0 46	2 31	9 35	0 36	10 44
T 7	16 33	6 12	1 18	20 23	1 9	20 45	2 43	18 23	1 14	12 40	0 53	0 45	2 31	9 35	0 36	10 45
W 8	16 16	2 5	2 25	20 1	1 17	20 48	2 39	18 33	1 13	12 36	0 53	0 44	2 31	9 35	0 36	10 45
T 9	15 59	2n12	3 26	19 36	1 23	20 51	2 36	18 42	1 12	12 31	0 53	0 43	2 32	9 35	0 36	10 46
F 10	15 42	6 27	4 16	19 9	1 29	20 54	2 32	18 51	1 11	12 27	0 53	0 42	2 32	9 35	0 36	10 46
S 11	15 24	10 26	4 53	18 40	1 34	20 56	2 28	18 59	1 11	12 22	0 53	0 41	2 32	9 35	0 36	10 47
S 12	15 6	13 55	5 13	18 8	1 38	20 58	2 25	19 8	1 10	12 18	0 53	0 40	2 32	9 34	0 36	10 48
M13	14 48	16 39	5 15	17 35	1 41	20 59	2 21	19 17	1 9	12 13	0 53	0 39	2 33	9 34	0 36	10 48
T 14	14 30	18 22	4 56	17 0	1 43	21 0	2 17	19 25	1 8	12 8	0 53	0 38	2 33	9 34	0 36	10 49
W15	14 11	18 54	4 19	16 23	1 45	21 0	2 13	19 33	1 7	12 4	0 53	0 36	2 33	9 34	0 36	10 49
T 16	13 52	18 10	3 25	15 45	1 46	20 9	2 9	19 41	1 7	11 59	0 53	0 35	2 33	9 33	0 36	10 50
F 17	13 33	16 14	2 17	15 5	1 46	20 59	2 5	19 49	1 6	11 55	0 53	0 34	2 34	9 33	0 36	10 51
S 18	13 14	13 17	1 2	14 24	1 45	20 58	2 2	19 57	1 5	11 50	0 53	0 33	2 34	9 33	0 36	10 51
S 19	12 55	9 35	0n16	13 42	1 44	20 56	1 58	20 4	1 4	11 45	0 54	0 31	2 34	9 32	0 36	10 52
M20	12 35	5 26	1 32	12 59	1 43	20 54	1 54	20 12	1 3	11 41	0 54	0 30	2 34	9 32	0 36	10 52
T 21	12 15	1 8	2 40	12 16	1 40	20 51	1 50	20 19	1 2	11 36	0 54	0 29	2 34	9 32	0 36	10 53
W22	11 55	3s 6	3 38	11 32	1 37	20 48	1 46	20 26	1 1	11 32	0 54	0 27	2 35	9 31	0 36	10 54
T 23	11 35	7 5	4 24	10 47	1 34	20 44	1 42	20 33	1 0	11 27	0 54	0 26	2 35	9 31	0 36	10 54
F 24	11 15	10 39	4 55	10 2	1 30	20 40	1 37	20 39	0 59	11 22	0 54	0 24	2 35	9 31	0 36	10 55
S 25	10 54	13 41	5 13	9 16	1 26	20 35	1 33	20 46	0 58	11 18	0 54	0 23	2 35	9 30	0 36	10 55
S 26	10 33	16 6	5 17	8 30	1 22	20 30	1 29	20 52	0 57	11 13	0 54	0 21	2 35	9 30	0 36	10 56
M27	10 12	17 48	5 7	7 44	1 17	20 24	1 25	20 59	0 56	11 8	0 54	0 20	2 36	9 29	0 36	10 57
T 28	9 51	18 44	4 44	6 58	1 12	20 17	1 21	21 5	0 55	11 4	0 54	0 18	2 36	9 29	0 36	10 57
W29	9 30	18 50	4 9	6 12	1 6	20 10	1 17	21 11	0 54	10 59	0 54	0 16	2 36	9 28	0 36	10 58
T 30	9 9	18 5	3 22	5 26	1 0	20 3	1 13	21 16	0 53	10 54	0 54	0 15	2 36	9 28	0 36	10 58
F 31	8n47	16s29	2n26	4n39	0n54	19n54	1s 9	21n22	0s52	10n50	0n54	0n13	2s36	9n27	0s37	10s59

Julian Day Number = 2396605.5, Delta T = 9.13 sec
 Ecliptic obliquity = 23°27'23, Nutation = - 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°38'23, Lahiri = 21°45'24

ASTRODIENST EPHEMERIS for the year 1849

geocentric

SEPTEMBER 1849

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 10	8 ^m 24'00	18 ^m 10	22 ^m 3	26 ^m 44	12 ^m 27	4 ^m 24	6°R31	25°R54	3°R16	28°R42	3 ^m 4	2 ^m 40	26 ^m 25	22 ^m 1	S 1
S 2	22 44 6	9°22'07	0 ^m 48	23°43	27°52	13° 1	4°37	6°V27	25°V53	3 ^m 15	28°V41	3°R 4	2°36	26°31	22° 6	S 2
M 3	22 48 3	10°20'15	13°42	25°23	29° 0	13°34	4°50	6°23	25°52	3°13	28°41	3° 4	2°33	26°38	22°10	M 3
T 4	22 52 0	11°18'25	26°51	27° 1	0 ^m 8	14° 8	5° 3	6°19	25°50	3°12	28°40	3° 4	2°30	26°45	22°14	T 4
W 5	22 55 56	12°16'37	10°V15	28°38	1°17	14°41	5°16	6°15	25°48	3°10	28°39	3° 3	2°27	26°52	22°18	W 5
T 6	22 59 53	13°14'51	23°52	0 ^m 14	2°25	15°13	5°29	6°11	25°47	3° 8	28°39	3° 2	2°24	26°58	22°23	T 6
F 7	23 3 49	14°13'07	7 ^m 41	1°49	3°34	15°46	5°42	6° 7	25°45	3° 7	28°38	3° 0	2°20	27° 5	22°27	F 7
S 8	23 7 46	15°11'25	21°39	3°22	4°43	16°18	5°54	6° 3	25°44	3° 5	28°37	2°59	2°17	27°12	22°32	S 8
S 9	23 11 42	16° 9'46	5 ^m 14	4°55	5°52	16°50	6° 7	5°59	25°42	3° 4	28°36	2°58	2°14	27°18	22°36	S 9
M10	23 15 39	17° 8'08	19°56	6°26	7° 1	17°21	6°20	5°54	25°40	3° 2	28°35	2°D58	2°11	27°25	22°41	M10
T 11	23 19 35	18° 6'32	4 ^m 10	7°56	8°11	17°53	6°33	5°50	25°38	3° 0	28°35	2°59	2° 8	27°32	22°46	T 11
W12	23 23 32	19° 4'59	18°25	9°25	9°20	18°24	6°46	5°46	25°37	2°59	28°34	3° 0	2° 5	27°39	22°51	W12
T 13	23 27 29	20° 3'28	2 ^m 37	10°53	10°30	18°55	6°59	5°41	25°35	2°57	28°33	3° 1	2° 1	27°45	22°56	T 13
F 14	23 31 25	21° 1'59	16°45	12°20	11°40	19°25	7°12	5°37	25°33	2°56	28°32	3° 2	1°58	27°52	23° 1	F 14
S 15	23 35 22	22° 0'32	0 ^m 44	13°45	12°49	19°55	7°25	5°32	25°31	2°54	28°31	3°R 2	1°55	27°59	23° 6	S 15
S 16	23 39 18	22°59'07	14°33	15°10	13°59	20°25	7°38	5°28	25°29	2°53	28°30	3° 2	1°52	28° 5	23°11	S 16
M17	23 43 15	23°57'44	28° 7	16°33	15°10	20°55	7°50	5°23	25°27	2°51	28°29	3° 1	1°49	28°12	23°16	M17
T 18	23 47 11	24°56'22	11 ^m 24	17°55	16°20	21°24	8° 3	5°19	25°25	2°50	28°28	2°58	1°46	28°19	23°22	T 18
W19	23 51 8	25°55'03	24°24	19°15	17°30	21°53	8°16	5°14	25°23	2°48	28°28	2°55	1°42	28°26	23°27	W19
T 20	23 55 4	26°53'45	7 ^m 6	20°35	18°41	22°22	8°29	5°10	25°21	2°47	28°27	2°51	1°39	28°32	23°33	T 20
F 21	23 59 1	27°52'30	19°32	21°53	19°51	22°50	8°41	5° 5	25°19	2°45	28°26	2°47	1°36	28°39	23°38	F 21
S 22	0 2 58	28°51'16	1 ^m 44	23° 9	21° 2	23°18	8°54	5° 0	25°17	2°44	28°25	2°44	1°33	28°46	23°44	S 22
S 23	0 6 54	29°50'04	13°45	24°24	22°13	23°46	9° 7	4°56	25°15	2°42	28°24	2°42	1°30	28°52	23°50	S 23
M24	0 10 51	0 ^m 48'53	25°39	25°37	23°24	24°13	9°19	4°51	25°13	2°41	28°23	2°D41	1°26	28°59	23°55	M24
T 25	0 14 47	1°47'45	7 ^m 31	26°49	24°35	24°40	9°32	4°46	25°10	2°39	28°22	2°41	1°23	29° 6	24° 1	T 25
W26	0 18 44	2°46'38	19°25	27°59	25°46	25° 7	9°44	4°41	25° 8	2°38	28°21	2°42	1°20	29°12	24° 7	W26
T 27	0 22 40	3°45'33	1 ^m 28	29° 7	26°57	25°33	9°57	4°37	25° 6	2°37	28°20	2°43	1°17	29°19	24°13	T 27
F 28	0 26 37	4°44'29	13°42	0 ^m 13	28° 8	25°59	10° 9	4°32	25° 4	2°35	28°19	2°45	1°14	29°26	24°19	F 28
S 29	0 30 33	5°43'28	26°13	1°17	29°20	26°24	10°21	4°27	25° 2	2°34	28°18	2°46	1°11	29°33	24°25	S 29
S 30	0 34 30	6 ^m 42'28	9 ^m 2	2 ^m 19	0 ^m 31	26 ^m 49	10 ^m 34	4°V23	24°V59	2 ^m 33	28°V17	2°R46	1 ^m 7	29 ^m 39	24 ^m 31	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	8n26	14s 6	1n22	3n53	0n48	19n46	1 s 5	21n28	0s51	10n45	0n54	0n12	2s37	9n27	0s37	11s 0	0s44	5s 2	17s 9	10n23	10n32	18s42	15s 1	3n22			
S 2	8 4	11 0	0 13	3 8	0 41	19 37	1 1	21 33	0 50	10 40	0 54	0 10	2 37	9 26	0 37	11 0	0 44	5 3	17 9	10 23	10 33	18 42	15 3	3 22			
M 3	7 42	7 19	0s59	2 22	0 34	19 27	0 57	21 38	0 49	10 35	0 54	0 8	2 37	9 26	0 37	11 1	0 44	5 3	17 10	10 23	10 34	18 43	15 4	3 22			
T 4	7 20	3 13	2 8	1 36	0 27	19 17	0 53	21 43	0 48	10 31	0 54	0 6	2 37	9 25	0 37	11 1	0 44	5 4	17 10	10 23	10 35	18 43	15 5	3 22			
W 5	6 58	1n 7	3 12	0 51	0 20	19 6	0 49	21 48	0 47	10 26	0 54	0 5	2 37	9 25	0 37	11 2	0 44	5 4	17 10	10 24	10 37	18 44	15 6	3 22			
T 6	6 35	5 28	4 6	0 6	0 13	18 54	0 45	21 53	0 45	10 21	0 55	0 3	2 37	9 24	0 37	11 3	0 44	5 5	17 10	10 24	10 38	18 45	15 7	3 22			
F 7	6 13	9 34	4 46	0s38	0 6	18 43	0 41	21 58	0 44	10 17	0 55	0 1	2 38	9 23	0 37	11 3	0 44	5 5	17 11	10 25	10 39	18 45	15 8	3 22			
S 8	5 50	13 12	5 10	1 22	0s 2	18 30	0 37	22 2	0 43	10 12	0 55	0s 1	2 38	9 23	0 37	11 4	0 44	5 6	17 11	10 25	10 40	18 46	15 10	3 22			
S 9	5 28	16 6	5 16	2 6	0 10	18 17	0 33	22 7	0 42	10 7	0 55	0 2	2 38	9 22	0 37	11 4	0 44	5 6	17 11	10 25	10 41	18 46	15 11	3 22			
M10	5 5	18 3	5 2	2 49	0 17	18 4	0 29	22 11	0 41	10 2	0 55	0 4	2 38	9 22	0 37	11 5	0 44	5 7	17 11	10 25	10 42	18 47	15 12	3 22			
T 11	4 42	18 53	4 31	3 32	0 25	17 50	0 25	22 15	0 39	9 58	0 55	0 6	2 38	9 21	0 37	11 5	0 44	5 7	17 12	10 25	10 43	18 47	15 13	3 22			
W12	4 19	18 31	3 42	4 14	0 33	17 35	0 21	22 19	0 38	9 53	0 55	0 8	2 38	9 20	0 37	11 6	0 44	5 8	17 12	10 25	10 45	18 48	15 15	3 22			
T 13	3 56	16 59	2 40	4 56	0 41	17 21	0 17	22 23	0 37	9 48	0 55	0 10	2 38	9 20	0 37	11 7	0 44	5 8	17 12	10 24	10 46	18 48	15 16	3 21			
F 14	3 33	14 25	1 29	5 37	0 49	17 5	0 14	22 27	0 36	9 44	0 55	0 12	2 38	9 19	0 37	11 7	0 44	5 9	17 12	10 24	10 47	18 49	15 17	3 21			
S 15	3 10	11 1	0 13	6 18	0 56	16 49	0 10	22 30	0 34	9 39	0 55	0 13	2 38	9 18	0 37	11 8	0 44	5 9	17 12	10 24	10 48	18 49	15 19	3 21			
S 16	2 47	7 4	1n 3	6 58	1 4	16 33	0 6	22 34	0 33	9 34	0 55	0 15	2 39	9 17	0 37	11 8	0 44	5 10	17 13	10 24	10 49	18 50	15 20	3 21			
M17	2 24	2 48	2 14	7 37	1 12	16 16	0 2	22 37	0 32	9 30	0 55	0 17	2 39	9 17	0 37	11 9	0 44	5 10	17 13	10 24	10 50	18 50	15 21	3 21			
T 18	2 1	1s31	3 16	8 16	1 20	15 58	0n 1	22 41	0 30	9 25	0 56	0 19	2 39	9 16	0 37	11 9	0 44	5 11	17 13	10 25	10 51	18 50	15 23	3 21			
W19	1 37	5 39	4 6	8 54	1 28	15 41	0 5	22 44	0 29	9 20	0 56	0 21	2 39	9 15	0 37	11 10	0 44	5 11	17 13	10 27	10 53	18 51	15 24	3 21			
T 20	1 14	9 26	4 43	9 31	1 36	15 22	0 8	22 47	0 27	9 15	0 56	0 23	2 39	9 15	0 37	11 10	0 44	5 12	17 13	10 28	10 54	18 51	15 26	3 21			
F 21	0 51	12 44	5 5	10 8	1 43	15 4	0 12	22 50	0 26	9 11	0 56	0 25	2 39	9 14	0 37	11 11	0 44	5 12	17 14	10 29	10 55	18 52	15 27	3 21			
S 22	0 27	15 24	5 14	10 43	1 51	14 44	0 15	22 53	0 24	9 6	0 56	0 27	2 39	9 13	0 37	11 12	0 44	5 13	17 14	10 30	10 56	18 52	15 28	3 21			
S 23	0 4	17 22	5 8	11 18	1 58	14 25	0 19	22 56	0 23	9 2	0 56	0 29	2 39	9 12	0 37	11 12	0 44	5 13	17 14	10 31	10 57	18 53	15 30	3 21			
M24	0s19	18 34	4 49	11 52	2 6	14 5	0 22	22 58	0 21	8 57	0 56	0 30	2 39	9 11	0 37	11 13	0 44	5 14	17 14	10 32	10 58	18 53	15 31	3 21			
T 25	0 43	18 57	4 18	12 25	2 13	13 44	0 25	23 1	0 20	8 52	0 56	0 32	2 39	9 11	0 37	11 13	0 44	5 14	17 14	10 32	10 59	18 54	15 33	3 21			
W26	1 6	18 30	3 35	12 57	2 20	13 23	0 29	23 4	0 18	8 48	0 56	0 34	2 39	9 10	0 37	11 14	0 44	5 15	17 14	10 31	11 0	18 54	15 34	3 21			
T 27	1 30	17 12	2 43	13 27	2 27	13 2	0 32	23 6	0 17	8 43	0 56	0 36	2 39	9 9	0 37	11 14	0 44	5 15	17 14	10 31	11 2	18 55	15 36	3 21			
F 28	1 53	15 5	1 42	13 57	2 34	12 41	0 35	23 9	0 15	8 38	0 57	0 38	2 39	9 8	0 37	11 14	0 44	5 15	17 15	10 30	11 3	18 55	15 37	3 21			
S 29	2 17	12 14	0 36	14 26	2 40	12 19	0 38	23 11	0 14	8 34	0 57	0 40	2 39	9 7	0 37	11 15	0 44	5 16	17 15	10 30	11 4	18 56	15 39	3 21			
S 30	2s40	8s43	0s34	14s53	2s46	11n56	0n41	23n13	0s12	8n29	0n57	0s42	2s39	9n 7	0s37	11s15	0s44	5s16	17s15	10n30	11n 5	18s56	15s40	3n21			

ASTRODIENST EPHEMERIS for the year 1849
geocentric

OCTOBER 1849

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 38 26	7♏41'30	22♏13	3♏18	1♏43	27♏14	10♏46	4°R18	24°R57	2°R32	28°R16	2°R45	1♏ 4	29♏46	24♏37	M 1
T 2	0 42 23	8°40'34	5♏44	4°14	2°55	27°38	10°58	4♏13	24♏55	2♏30	28♏15	2♏41	1° 1	29°53	24°43	T 2
W 3	0 46 20	9°39'40	19°34	5° 7	4° 7	28° 2	11°11	4° 9	24°52	2°29	28°13	2°37	0°58	29°59	24°50	W 3
T 4	0 50 16	10°38'48	3♏39	5°57	5°19	28°25	11°23	4° 4	24°50	2°28	28°12	2°31	0°55	0♏ 6	24°56	T 4
F 5	0 54 13	11°37'59	17°56	6°44	6°31	28°48	11°35	3°59	24°48	2°27	28°11	2°25	0°51	0°13	25° 2	F 5
S 6	0 58 9	12°37'11	2♏18	7°27	7°43	29°10	11°47	3°55	24°45	2°25	28°10	2°19	0°48	0°20	25° 9	S 6
S 7	1 2 6	13°36'26	16°41	8° 5	8°55	29°32	11°59	3°50	24°43	2°24	28° 9	2°15	0°45	0°26	25°15	S 7
M 8	1 6 2	14°35'44	0♏59	8°39	10° 7	29°54	12°11	3°46	24°40	2°23	28° 8	2°12	0°42	0°33	25°22	M 8
T 9	1 9 59	15°35'03	15°11	9° 8	11°20	0♏15	12°23	3°41	24°38	2°22	28° 7	2°D11	0°39	0°40	25°28	T 9
W10	1 13 55	16°34'25	29°14	9°31	12°32	0°36	12°35	3°36	24°36	2°21	28° 6	2°12	0°36	0°46	25°35	W10
T 11	1 17 52	17°33'50	13♏ 7	9°49	13°45	0°56	12°47	3°32	24°33	2°20	28° 5	2°13	0°32	0°53	25°42	T 11
F 12	1 21 49	18°33'16	26°50	10° 0	14°57	1°15	12°58	3°27	24°31	2°19	28° 4	2°R14	0°29	1° 0	25°48	F 12
S 13	1 25 45	19°32'45	10♏24	10°R 4	16°10	1°34	13°10	3°23	24°28	2°18	28° 3	2°14	0°26	1° 6	25°55	S 13
S 14	1 29 42	20°32'16	23°46	10° 0	17°23	1°53	13°22	3°19	24°26	2°17	28° 1	2°12	0°23	1°13	26° 2	S 14
M15	1 33 38	21°31'49	6♏57	9°49	18°36	2°11	13°33	3°14	24°23	2°16	28° 0	2° 7	0°20	1°20	26° 9	M15
T 16	1 37 35	22°31'25	19°56	9°29	19°49	2°28	13°45	3°10	24°21	2°15	27°59	2° 0	0°17	1°27	26°16	T 16
W17	1 41 31	23°31'02	2♏42	9° 1	21° 2	2°45	13°56	3° 6	24°19	2°14	27°58	1°52	0°13	1°33	26°23	W17
T 18	1 45 28	24°30'41	15°15	8°23	22°15	3° 1	14° 7	3° 2	24°16	2°13	27°57	1°42	0°10	1°40	26°30	T 18
F 19	1 49 24	25°30'23	27°35	7°38	23°28	3°17	14°19	2°57	24°14	2°13	27°56	1°31	0° 7	1°47	26°37	F 19
S 20	1 53 21	26°30'06	9♏44	6°44	24°41	3°32	14°30	2°53	24°11	2°12	27°55	1°22	0° 4	1°53	26°44	S 20
S 21	1 57 18	27°29'51	21°42	5°42	25°55	3°46	14°41	2°49	24° 9	2°11	27°53	1°14	0° 1	2° 0	26°51	S 21
M22	2 1 14	28°29'38	3♏34	4°35	27° 8	4° 0	14°52	2°45	24° 6	2°10	27°52	1° 9	29♏57	2° 7	26°58	M22
T 23	2 5 11	29°29'26	15°24	3°22	28°21	4°13	15° 3	2°41	24° 4	2° 9	27°51	1° 5	29°54	2°13	27° 5	T 23
W24	2 9 7	0♏29'17	27°16	2° 6	29°35	4°26	15°14	2°37	24° 1	2° 9	27°50	1°D 4	29°51	2°20	27°13	W24
T 25	2 13 4	1°29'09	9♏16	0°50	0♏48	4°37	15°25	2°34	23°59	2° 8	27°49	1° 4	29°48	2°27	27°20	T 25
F 26	2 17 0	2°29'02	21°28	29♏35	2° 2	4°49	15°36	2°30	23°57	2° 8	27°48	1° 5	29°45	2°34	27°27	F 26
S 27	2 20 57	3°28'57	3♏58	28°24	3°16	4°59	15°46	2°26	23°54	2° 7	27°47	1°R 5	29°42	2°40	27°34	S 27
S 28	2 24 53	4°28'54	16°51	27°19	4°29	5° 9	15°57	2°22	23°52	2° 6	27°45	1° 4	29°38	2°47	27°42	S 28
M29	2 28 50	5°28'53	0♏9	26°22	5°43	5°18	16° 7	2°19	23°49	2° 6	27°44	1° 1	29°35	2°54	27°49	M29
T 30	2 32 47	6°28'53	13°54	25°35	6°57	5°26	16°18	2°15	23°47	2° 5	27°43	0°54	29°32	3° 0	27°57	T 30
W31	2 36 43	7♏28'55	28♏ 4	24♏58	8♏11	5♏34	16♏28	2♏12	23♏45	2♏ 5	27♏42	0♏46	29♏29	3♏ 7	28♏ 4	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	3s 3	4s41	1s44	15s19	2s52	11n33	0n44	23n15	0s10	8n25	0n57	0s44	2s39	9n 6	0s37	11s16
T 2	3 27	0 19	2 50	15 43	2 57	11 10	0 47	23 18	0 9	8 20	0 57	0 45	2 39	9 5	0 37	11 16
W 3	3 50	4n 9	3 47	16 6	3 2	10 47	0 50	23 20	0 7	8 16	0 57	0 47	2 39	9 4	0 37	11 17
T 4	4 13	8 29	4 32	16 27	3 7	10 23	0 52	23 22	0 5	8 11	0 57	0 49	2 39	9 3	0 37	11 17
F 5	4 36	12 23	5 0	16 47	3 11	9 59	0 55	23 24	0 3	8 7	0 57	0 51	2 39	9 2	0 37	11 18
S 6	4 59	15 34	5 10	17 4	3 15	9 35	0 58	23 26	0 1	8 2	0 57	0 53	2 39	9 1	0 37	11 18
S 7	5 22	17 49	5 0	17 20	3 18	9 10	1 0	23 28	0n 0	7 58	0 58	0 55	2 39	9 0	0 37	11 18
M 8	5 45	18 56	4 32	17 33	3 20	8 45	1 3	23 30	0 2	7 53	0 58	0 56	2 39	9 0	0 37	11 19
T 9	6 8	18 50	3 47	17 44	3 22	8 20	1 5	23 31	0 4	7 49	0 58	0 58	2 39	8 59	0 37	11 19
W10	6 31	17 34	2 49	17 52	3 22	7 54	1 8	23 33	0 6	7 44	0 58	1 0	2 39	8 58	0 37	11 20
T 11	6 54	15 16	1 42	17 57	3 22	7 28	1 10	23 35	0 8	7 40	0 58	1 2	2 39	8 57	0 37	11 20
F 12	7 17	12 7	0 29	18 0	3 21	7 2	1 12	23 37	0 10	7 35	0 58	1 3	2 39	8 56	0 37	11 20
S 13	7 39	8 21	0n44	17 59	3 18	6 36	1 14	23 39	0 12	7 31	0 58	1 5	2 39	8 55	0 37	11 21
S 14	8 2	4 13	1 53	17 54	3 14	6 9	1 16	23 40	0 14	7 27	0 59	1 7	2 39	8 54	0 37	11 21
M15	8 24	0s 4	2 56	17 45	3 9	5 43	1 18	23 42	0 16	7 22	0 59	1 8	2 39	8 53	0 37	11 21
T 16	8 46	4 17	3 48	17 33	3 3	5 16	1 20	23 44	0 18	7 18	0 59	1 10	2 39	8 53	0 37	11 22
W17	9 8	8 14	4 27	17 16	2 54	4 49	1 22	23 46	0 20	7 14	0 59	1 12	2 39	8 52	0 37	11 22
T 18	9 30	11 45	4 53	16 54	2 44	4 21	1 24	23 48	0 22	7 10	0 59	1 13	2 39	8 51	0 37	11 22
F 19	9 52	14 41	5 5	16 28	2 32	3 54	1 25	23 49	0 24	7 5	0 59	1 15	2 39	8 50	0 37	11 23
S 20	10 14	16 57	5 2	15 57	2 19	3 26	1 27	23 51	0 27	7 1	0 59	1 16	2 38	8 49	0 37	11 23
S 21	10 35	18 26	4 46	15 22	2 3	2 59	1 28	23 53	0 29	6 57	1 0	1 18	2 38	8 48	0 37	11 23
M22	10 57	19 6	4 18	14 43	1 46	2 31	1 30	23 55	0 31	6 53	1 0	1 19	2 38	8 47	0 37	11 23
T 23	11 18	18 56	3 39	14 1	1 28	2 3	1 31	23 57	0 33	6 49	1 0	1 21	2 38	8 46	0 37	11 24
W24	11 39	17 56	2 51	13 17	1 8	1 35	1 32	23 59	0 36	6 45	1 0	1 22	2 38	8 45	0 37	11 24
T 25	12 0	16 7	1 54	12 31	0 48	1 6	1 33	24 0	0 38	6 41	1 0	1 24	2 38	8 45	0 37	11 24
F 26	12 21	13 33	0 51	11 45	0 27	0 38	1 35	24 2	0 40	6 37	1 0	1 25	2 38	8 44	0 37	11 24
S 27	12 41	10 18	0s15	11 1	0 7	0 10	1 36	24 4	0 43	6 33	1 1	1 26	2 38	8 43	0 37	11 25
S 28	13 1	6 28	1 23	10 19	0n14	0s19	1 36	24 7	0 45	6 29	1 1	1 28	2 37	8 42	0 37	11 25
M29	13 22	2 12	2 28	9 41	0 33	0 47	1 37	24 9	0 48	6 25	1 1	1 29	2 37	8 41	0 37	11 25
T 30	13 41	2n18	3 27	9 7	0 51	1 16	1 38	24 11	0 50	6 21	1 1	1 30	2 37	8 40	0 37	11 25
W31	14s 1	6n49	4s15	8s38	1n 7	1s44	1n39	24n13	0n53	6n17	1n 1	1s32	2s37	8n39	0s37	11s25

Julian Day Number = 2396666.5, Delta T = 9.18 sec
Ecliptic obliquity = 23°27'24", Nutation = - 0°00'09", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°38'32", Lahiri = 21°45'32"

ASTRODIENST EPHEMERIS for the year 1849
geocentric

NOVEMBER 1849

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 40 40	8♉28°59	12♊35	24♈R33	9♎25	5♊41	16♏38	2°R 9	23°R42	2°R 4	27°R41	0°R36	29♏26	3♊14	28♌11	T 1
F 2	2 44 36	9°29'04	27°19	24♎19	10°39	5°47	16°48	2°Y 6	23°Y40	2°Y 4	27°Y40	0°Y25	29°23	3°20	28°19	F 2
S 3	2 48 33	10°29'12	12♊ 9	24°D17	11°53	5°52	16°58	2° 2	23°38	2° 4	27°39	0°15	29°19	3°27	28°26	S 3
S 4	2 52 29	11°29'22	26°57	24°26	13° 7	5°57	17° 8	1°59	23°35	2° 3	27°38	0° 7	29°16	3°34	28°34	S 4
M 5	2 56 26	12°29'33	11♊34	24°45	14°21	6° 0	17°18	1°56	23°33	2° 3	27°37	0° 1	29°13	3°41	28°41	M 5
T 6	3 0 22	13°29'47	25°56	25°14	15°35	6° 3	17°28	1°53	23°31	2° 3	27°35	29♏57	29°10	3°47	28°49	T 6
W 7	3 4 19	14°30'03	10♏ 0	25°52	16°50	6° 5	17°38	1°51	23°29	2° 3	27°34	29°D56	29° 7	3°54	28°56	W 7
T 8	3 8 16	15°30'21	23°47	26°38	18° 4	6° 7	17°47	1°48	23°26	2° 2	27°33	29°R56	29° 3	4° 1	29° 4	T 8
F 9	3 12 12	16°30'41	7♏17	27°31	19°18	6°R 7	17°57	1°45	23°24	2° 2	27°32	29°56	29° 0	4° 7	29°12	F 9
S 10	3 16 9	17°31'03	20°32	28°30	20°33	6° 7	18° 6	1°43	23°22	2° 2	27°31	29°55	28°57	4°14	29°19	S 10
S 11	3 20 5	18°31'26	3♎33	29°35	21°47	6° 5	18°15	1°40	23°20	2° 2	27°30	29°51	28°54	4°21	29°27	S 11
M12	3 24 2	19°31'52	16°23	0♌44	23° 2	6° 3	18°24	1°38	23°18	2° 2	27°29	29°44	28°51	4°27	29°35	M12
T 13	3 27 58	20°32'19	29° 2	1°57	24°16	6° 0	18°33	1°35	23°16	2°D 2	27°28	29°34	28°48	4°34	29°42	T 13
W14	3 31 55	21°32'48	11♌32	3°14	25°31	5°56	18°42	1°33	23°13	2° 2	27°27	29°21	28°44	4°41	29°50	W14
T 15	3 35 51	22°33'19	23°51	4°34	26°45	5°52	18°51	1°31	23°11	2° 2	27°26	29° 7	28°41	4°48	29°58	T 15
F 16	3 39 48	23°33'51	6♊ 2	5°56	28° 0	5°46	19° 0	1°29	23° 9	2° 2	27°25	28°52	28°38	4°54	0♊ 5	F 16
S 17	3 43 44	24°34'25	18° 4	7°21	29°15	5°39	19° 8	1°27	23° 7	2° 2	27°24	28°38	28°35	5° 1	0°13	S 17
S 18	3 47 41	25°35'00	29°58	8°47	0♌29	5°32	19°17	1°25	23° 5	2° 2	27°23	28°26	28°32	5° 8	0°21	S 18
M19	3 51 38	26°35'37	11♊38	10°14	1°44	5°24	19°25	1°24	23° 3	2° 2	27°22	28°17	28°28	5°14	0°28	M19
T 20	3 55 34	27°36'15	23°36	11°43	2°59	5°15	19°33	1°22	23° 2	2° 3	27°21	28°11	28°25	5°21	0°36	T 20
W21	3 59 31	28°36'54	5♎26	13°13	4°14	5° 5	19°41	1°21	23° 0	2° 3	27°20	28° 7	28°22	5°28	0°44	W21
T 22	4 3 27	29°37'34	17°22	14°43	5°28	4°54	19°49	1°19	22°58	2° 3	27°19	28° 6	28°19	5°34	0°51	T 22
F 23	4 7 24	0♊38'16	29°30	16°15	6°43	4°42	19°57	1°18	22°56	2° 3	27°18	28° 6	28°16	5°41	0°59	F 23
S 24	4 11 20	1°38'58	11♊56	17°46	7°58	4°29	20° 4	1°17	22°54	2° 4	27°17	28° 5	28°13	5°48	1° 7	S 24
S 25	4 15 17	2°39'41	24°44	19°19	9°13	4°16	20°12	1°16	22°53	2° 4	27°16	28° 4	28° 9	5°54	1°14	S 25
M26	4 19 13	3°40'26	8°Y 0	20°51	10°28	4° 2	20°19	1°15	22°51	2° 5	27°15	28° 0	28° 6	6° 1	1°22	M26
T 27	4 23 10	4°41'11	21°45	22°24	11°43	3°47	20°27	1°14	22°49	2° 5	27°15	27°54	28° 3	6° 8	1°30	T 27
W28	4 27 7	5°41'58	6♊ 0	23°57	12°58	3°31	20°34	1°13	22°48	2° 5	27°14	27°45	28° 0	6°15	1°38	W28
T 29	4 31 3	6°42'45	20°41	25°30	14°13	3°15	20°41	1°13	22°46	2° 6	27°13	27°34	27°57	6°21	1°45	T 29
F 30	4 35 0	7♊43'34	5♊43	27♌ 3	15♌28	2♊58	20♏48	1°Y12	22°Y45	2°Y 7	27°Y12	27♏23	27♏54	6♊28	1♊53	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	decl	lat
T 1	14s21	11n 3	4s47	8s15	1n22	2s13	1n39	24n15	0n55	6n13	1n 1	1s33	2s37	8n38	0s37	11s25	0s44	5s29	17s16	11n16	11n41	19s 8	16s29	3n22			
F 2	14 40	14 41	5 2	7 58	1 35	2 41	1 40	24 18	0 58	6 10	1 2	1 34	2 37	8 38	0 37	11 25	0 44	5 29	17 16	11 20	11 42	19 9	16 31	3 22			
S 3	14 59	17 23	4 56	7 47	1 46	3 10	1 40	24 20	1 0	6 6	1 2	1 35	2 37	8 37	0 37	11 26	0 44	5 30	17 15	11 24	11 43	19 9	16 32	3 22			
S 4	15 17	18 55	4 30	7 41	1 55	3 38	1 41	24 22	1 3	6 2	1 2	1 36	2 36	8 36	0 37	11 26	0 44	5 30	17 15	11 27	11 44	19 9	16 34	3 22			
M 5	15 36	19 11	3 47	7 41	2 3	4 7	1 41	24 25	1 6	5 58	1 2	1 37	2 36	8 35	0 37	11 26	0 44	5 30	17 15	11 29	11 45	19 10	16 35	3 23			
T 6	15 54	18 12	2 50	7 46	2 9	4 35	1 41	24 28	1 9	5 55	1 2	1 38	2 36	8 34	0 37	11 26	0 44	5 31	17 15	11 30	11 46	19 10	16 37	3 23			
W 7	16 12	16 5	1 44	7 56	2 13	5 3	1 41	24 30	1 11	5 51	1 3	1 39	2 36	8 33	0 37	11 26	0 44	5 31	17 15	11 30	11 48	19 10	16 38	3 23			
T 8	16 30	13 5	0 33	8 10	2 16	5 32	1 41	24 33	1 14	5 48	1 3	1 40	2 36	8 33	0 37	11 26	0 44	5 31	17 15	11 30	11 49	19 11	16 40	3 23			
F 9	16 47	9 27	0n39	8 27	2 17	6 0	1 41	24 36	1 17	5 44	1 3	1 41	2 36	8 32	0 37	11 26	0 44	5 31	17 15	11 30	11 50	19 11	16 41	3 23			
S 10	17 4	5 23	1 47	8 48	2 18	6 28	1 41	24 39	1 20	5 41	1 3	1 42	2 35	8 31	0 37	11 26	0 43	5 32	17 15	11 31	11 51	19 11	16 43	3 23			
S 11	17 21	1 9	2 48	9 11	2 17	6 56	1 41	24 41	1 23	5 37	1 3	1 43	2 35	8 30	0 36	11 26	0 43	5 32	17 14	11 32	11 52	19 12	16 44	3 23			
M12	17 38	3s 4	3 39	9 37	2 16	7 24	1 41	24 44	1 25	5 34	1 4	1 43	2 35	8 30	0 36	11 26	0 43	5 32	17 14	11 34	11 53	19 12	16 46	3 24			
T 13	17 54	7 6	4 19	10 5	2 13	7 52	1 40	24 47	1 28	5 30	1 4	1 44	2 35	8 29	0 36	11 26	0 43	5 32	17 14	11 38	11 54	19 12	16 47	3 24			
W14	18 10	10 46	4 46	10 34	2 10	8 19	1 40	24 51	1 31	5 27	1 4	1 45	2 35	8 28	0 36	11 26	0 43	5 32	17 14	11 42	11 55	19 12	16 48	3 24			
T 15	18 25	13 56	4 58	11 4	2 7	8 47	1 40	24 54	1 34	5 24	1 4	1 45	2 34	8 27	0 36	11 26	0 43	5 33	17 14	11 47	11 56	19 13	16 50	3 24			
F 16	18 41	16 27	4 57	11 35	2 2	9 14	1 39	24 57	1 37	5 21	1 4	1 46	2 34	8 27	0 36	11 26	0 43	5 33	17 14	11 53	11 57	19 13	16 51	3 24			
S 17	18 56	18 13	4 43	12 7	1 57	9 41	1 38	25 0	1 40	5 18	1 5	1 46	2 34	8 26	0 36	11 26	0 43	5 33	17 14	11 57	11 59	19 13	16 53	3 24			
S 18	19 10	19 11	4 16	12 40	1 52	10 8	1 38	25 3	1 43	5 14	1 5	1 47	2 34	8 25	0 36	11 26	0 43	5 33	17 13	12 2	12 0	19 14	16 54	3 25			
M19	19 24	19 18	3 39	13 13	1 47	10 34	1 37	25 7	1 46	5 11	1 5	1 47	2 34	8 24	0 36	11 26	0 43	5 33	17 13	12 5	12 1	19 14	16 55	3 25			
T 20	19 38	18 35	2 52	13 46	1 41	11 1	1 36	25 10	1 49	5 8	1 5	1 48	2 33	8 24	0 36	11 26	0 43	5 33	17 13	12 7	12 2	19 14	16 57	3 25			
W21	19 52	17 2	1 57	14 19	1 35	11 27	1 35	25 14	1 52	5 5	1 6	1 48	2 33	8 23	0 36	11 26	0 43	5 34	17 13	12 8	12 3	19 14	16 58	3 25			
T 22	20 5	14 45	0 56	14 52	1 28	11 53	1 34	25 17	1 55	5 3	1 6	1 49	2 33	8 22	0 36	11 26	0 43	5 34	17 13	12 9	12 4	19 15	17 0	3 25			
F 23	20 18	11 46	0s 7	15 24	1 22	12 18	1 33	25 20	1 58	5 0	1 6	1 49	2 33	8 22	0 36	11 25	0 43	5 34	17 12	12 9	12 5	19 15	17 1	3 26			
S 24	20 30	8 13	1 13	15 56	1 15	12 43	1 32	25 24	2 1	4 57	1 6	1 49	2 32	8 21	0 36	11 25	0 43	5 34	17 12	12 9	12 6	19 15	17 2	3 26			
S 25	20 42	4 10	2 16	16 28	1 8	13 8	1 31	25 27	2 4	4 54	1 6	1 49	2 32	8 21	0 36	11 25	0 43	5 34	17 12	12 9	12 7	19 15	17 4	3 26			
M26	20 54	0n12	3 14	17 0	1 1	13 33	1 30	25 31	2 7	4 51	1 7	1 50	2 32	8 20	0 36	11 25	0 43	5 34	17 12	12 11	12 8	19 16	17 5	3 26			
T 27	21 5	4 43	4 4	17 30	0 54	13 58	1 28	25 34	2 10	4 49	1 7	1 50	2 32	8 19	0 36	11 25	0 43	5 34	17 11	12 13	12 10	19 16	17 6	3 26			
W28	21 16	9 8	4 40	18 1	0 47	14 22	1 27	25 37	2 13	4 46	1 7	1 50	2 32	8 19	0 36	11 25	0 43	5 34	17 11	12 16	12 11	19 16	17 8	3 27			
T 29	21 27	13 8	4 59	18 30	0 40	14 45	1 26	25 41	2 16	4 44	1 7	1 50	2 31	8 18	0 36	11 24	0 43	5 34	17 11	12 19	12 12	19 16	17 9	3 27			
F 30	21s37	16n23	4s58	18s59	0n33	15s 9	1n24	25n44	2n19	4n41	1n 8	1s50	2s31	8n18	0s36	11s24	0s43	5s34	17s11	12n23	12n13	19s17	17s10	3n27			

ASTRODIENST EPHEMERIS for the year 1849

geocentric

DECEMBER 1849

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 38 56	8°44'24"	20°11'54"	28°13'37"	16°16'43"	2°R40	20°11'54"	1°R12	22°R43	2°H 7	27°R11	27°R12	27°12'50"	6°33'35"	2°H 1	S 1
S 2	4 42 53	9°45'15"	6°58' 5	0°17'10"	17°58'	2°52'22"	21° 1	1°Y11	22°Y42	2° 8	27°Y10	27°12' 2	27°47'	6°41'	2° 8	S 2
M 3	4 46 49	10°46'07"	21° 5	1°44'	19°13'	2° 3	21° 7	1°11	22°40'	2° 8	27°10'	26°55'	27°44'	6°48'	2°16'	M 3
T 4	4 50 46	11°47'01"	5°12'46"	3°17'	20°28'	1°43'	21°13'	1°D11	22°39'	2° 9	27° 9	26°51'	27°41'	6°55'	2°23'	T 4
W 5	4 54 43	12°47'56"	20° 4	4°51'	21°43'	1°23'	21°19'	1°11	22°37'	2°10'	27° 8	26°50'	27°38'	7° 1	2°31'	W 5
T 6	4 58 39	13°48'52"	3°11'58"	6°25'	22°58'	1° 2	21°25'	1°11	22°36'	2°11'	27° 7	26°D50'	27°34'	7° 8	2°39'	T 6
F 7	5 2 36	14°49'49"	17°28'	7°58'	24°13'	0°40'	21°31'	1°11	22°35'	2°11'	27° 7	26°R50'	27°31'	7°15'	2°46'	F 7
S 8	5 6 32	15°50'47"	0°12'37"	9°32'	25°28'	0°19'	21°37'	1°12	22°34'	2°12'	27° 6	26°49'	27°28'	7°22'	2°54'	S 8
S 9	5 10 29	16°51'47"	13°28'	11° 6	26°44'	29°11'56"	21°42'	1°12	22°33'	2°13'	27° 5	26°46'	27°25'	7°28'	3° 1	S 9
M10	5 14 25	17°52'48"	26° 4	12°40'	27°59'	29°34'	21°48'	1°13	22°32'	2°14'	27° 5	26°40'	27°22'	7°35'	3° 9	M10
T 11	5 18 22	18°53'50"	8°11'28"	14°13'	29°14'	29°11'	21°53'	1°13	22°30'	2°15'	27° 4	26°32'	27°19'	7°42'	3°16'	T 11
W12	5 22 18	19°54'52"	20°43'	15°47'	0°17'29"	28°48'	21°58'	1°14	22°29'	2°16'	27° 3	26°20'	27°15'	7°48'	3°24'	W12
T 13	5 26 15	20°55'56"	2°17'50"	17°21'	1°44'	28°25'	22° 2	1°15	22°28'	2°17'	27° 3	26° 8	27°12'	7°55'	3°31'	T 13
F 14	5 30 12	21°57'01"	14°50'	18°56'	3° 0	28° 1	22° 7	1°16	22°28'	2°18'	27° 2	25°55'	27° 9	8° 2	3°39'	F 14
S 15	5 34 8	22°58'06"	26°45'	20°30'	4°15'	27°37'	22°12'	1°17	22°27'	2°19'	27° 2	25°42'	27° 6	8° 8	3°46'	S 15
S 16	5 38 5	23°59'12"	8°33'37"	22° 4	5°30'	27°14'	22°16'	1°18	22°26'	2°20'	27° 1	25°31'	27° 3	8°15'	3°53'	S 16
M17	5 42 1	25° 0'18"	20°25'	23°39'	6°46'	26°50'	22°20'	1°20	22°25'	2°21'	27° 0	25°23'	27° 0	8°22'	4° 1	M17
T 18	5 45 58	26° 1'25"	2°11'14"	25°14'	8° 1	26°26'	22°24'	1°21	22°24'	2°22'	27° 0	25°17'	26°56'	8°28'	4° 8	T 18
W19	5 49 54	27° 2'32"	14° 5	26°48'	9°16'	26° 3	22°28'	1°23	22°24'	2°23'	26°59'	25°14'	26°53'	8°35'	4°15'	W19
T 20	5 53 51	28° 3'40"	26° 2	28°23'	10°31'	25°39'	22°31'	1°24	22°23'	2°24'	26°59'	25°D14'	26°50'	8°42'	4°23'	T 20
F 21	5 57 47	29° 4'47"	8°11'10"	29°59'	11°47'	25°16'	22°35'	1°26	22°23'	2°26'	26°59'	25°14'	26°47'	8°48'	4°30'	F 21
S 22	6 1 44	0°13'55"	20°32'	1°13'34"	13° 2	24°53'	22°38'	1°28	22°22'	2°27'	26°58'	25°15'	26°44'	8°55'	4°37'	S 22
S 23	6 5 41	1° 7'03"	3°Y15	3°10'	14°17'	24°30'	22°41'	1°30	22°22'	2°28'	26°58'	25°R16'	26°40'	9° 2	4°44'	S 23
M24	6 9 37	2° 8'11"	16°23'	4°46'	15°33'	24° 8	22°44'	1°32	22°21'	2°30'	26°57'	25°15'	26°37'	9° 9	4°51'	M24
T 25	6 13 34	3° 9'19"	29°59'	6°22'	16°48'	23°46'	22°47'	1°34	22°21'	2°31'	26°57'	25°11'	26°34'	9°15'	4°58'	T 25
W26	6 17 30	4°10'27"	14°11'4	7°58'	18° 3	23°24'	22°49'	1°36	22°20'	2°32'	26°57'	25° 6	26°31'	9°22'	5° 5	W26
T 27	6 21 27	5°11'35"	28°39'	9°35'	19°19'	23° 3	22°51'	1°39	22°20'	2°34'	26°56'	24°59'	26°28'	9°29'	5°12'	T 27
F 28	6 25 23	6°12'43"	13°11'38"	11°12'	20°34'	22°43'	22°54'	1°41	22°20'	2°35'	26°56'	24°51'	26°25'	9°35'	5°19'	F 28
S 29	6 29 20	7°13'51"	28°52'	12°49'	21°49'	22°23'	22°56'	1°44	22°20'	2°37'	26°56'	24°44'	26°21'	9°42'	5°26'	S 29
S 30	6 33 16	8°14'59"	14°12'12"	14°27'	23° 5	22° 3	22°57'	1°46	22°20'	2°38'	26°55'	24°37'	26°18'	9°49'	5°33'	S 30
M31	6 37 13	9°16'08"	29°26'26"	16°13' 5	24°17'20"	21°11'44"	22°11'59"	1°49	22°Y20'	2°H40	26°Y55'	24°13'33"	26°11'15"	9°55'	5°47'40"	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s47	18n34	4s36	19s27	0n26	15s31	1n23	25n47	2n22	4n39	1n 8	1s50	2s31	8n17	0s36	11s24	0s43	5s34	17s10	12n27	12n14	19s17	17s11	3n27			
S 2	21 56	19 25	3 54	19 54	0 19	15 54	1 21	25 51	2 25	4 36	1 8	1 50	2 31	8 17	0 36	11 24	0 43	5 34	17 10	12 31	12 15	19 17	17 13	3 28			
M 3	22 5	18 53	2 57	20 20	0 12	16 16	1 19	25 54	2 27	4 34	1 8	1 50	2 30	8 16	0 36	11 24	0 43	5 34	17 10	12 33	12 16	19 17	17 14	3 28			
T 4	22 13	17 5	1 49	20 45	0 5	16 38	1 18	25 57	2 30	4 32	1 9	1 49	2 30	8 16	0 36	11 23	0 43	5 34	17 10	12 34	12 17	19 17	17 15	3 28			
W 5	22 21	14 14	0 36	21 9	0s 2	16 59	1 16	26 0	2 33	4 30	1 9	1 49	2 30	8 15	0 36	11 23	0 43	5 35	17 9	12 35	12 18	19 18	17 16	3 28			
T 6	22 28	10 39	0n38	21 32	0 9	17 20	1 14	26 3	2 36	4 28	1 9	1 49	2 30	8 15	0 36	11 23	0 43	5 34	17 9	12 35	12 19	19 18	17 17	3 29			
F 7	22 36	6 36	1 47	21 55	0 16	17 40	1 12	26 5	2 38	4 26	1 9	1 49	2 29	8 14	0 36	11 22	0 43	5 34	17 9	12 35	12 21	19 18	17 19	3 29			
S 8	22 42	2 21	2 49	22 16	0 22	18 0	1 10	26 8	2 41	4 24	1 10	1 48	2 29	8 14	0 36	11 22	0 43	5 34	17 9	12 35	12 22	19 18	17 20	3 29			
S 9	22 48	1s55	3 41	22 36	0 29	18 20	1 8	26 11	2 43	4 22	1 10	1 48	2 29	8 13	0 36	11 22	0 43	5 34	17 8	12 36	12 23	19 19	17 21	3 30			
M10	22 54	6 1	4 21	22 55	0 35	18 39	1 6	26 13	2 46	4 20	1 10	1 47	2 29	8 13	0 36	11 21	0 43	5 34	17 8	12 38	12 24	19 19	17 22	3 30			
T 11	23 0	9 48	4 48	23 13	0 42	18 57	1 4	26 15	2 48	4 18	1 10	1 47	2 28	8 13	0 36	11 21	0 43	5 34	17 8	12 41	12 25	19 19	17 23	3 30			
W12	23 4	13 6	5 1	23 29	0 48	19 15	1 2	26 18	2 50	4 16	1 11	1 46	2 28	8 12	0 36	11 21	0 43	5 34	17 7	12 45	12 26	19 19	17 24	3 30			
T 13	23 9	15 50	5 0	23 45	0 54	19 32	1 0	26 20	2 53	4 15	1 11	1 46	2 28	8 12	0 36	11 20	0 43	5 34	17 7	12 49	12 27	19 19	17 25	3 31			
F 14	23 13	17 51	4 46	23 59	1 0	19 49	0 58	26 21	2 55	4 13	1 11	1 45	2 28	8 12	0 36	11 20	0 43	5 34	17 7	12 53	12 28	19 19	17 26	3 31			
S 15	23 16	19 5	4 20	24 12	1 5	20 6	0 56	26 23	2 57	4 12	1 11	1 45	2 27	8 11	0 36	11 20	0 43	5 34	17 7	12 58	12 29	19 20	17 27	3 31			
S 16	23 19	19 29	3 42	24 24	1 11	20 21	0 54	26 25	2 59	4 10	1 12	1 44	2 27	8 11	0 36	11 19	0 43	5 34	17 6	13 1	12 30	19 20	17 28	3 32			
M17	23 22	19 1	2 55	24 34	1 16	20 36	0 52	26 26	3 1	4 9	1 12	1 43	2 27	8 11	0 35	11 19	0 43	5 34	17 6	13 4	12 31	19 20	17 30	3 32			
T 18	23 24	17 44	2 0	24 44	1 21	20 51	0 49	26 27	3 3	4 7	1 12	1 42	2 27	8 11	0 35	11 18	0 43	5 34	17 6	13 6	12 32	19 20	17 31	3 32			
W19	23 25	15 40	0 59	24 51	1 26	21 5	0 47	26 28	3 4	4 6	1 12	1 42	2 26	8 10	0 35	11 18	0 43	5 34	17 5	13 7	12 34	19 20	17 32	3 33			
T 20	23 27	12 55	0s 4	24 58	1 31	21 18	0 45	26 29	3 6	4 5	1 13	1 41	2 26	8 10	0 35	11 18	0 43	5 33	17 5	13 7	12 35	19 21	17 32	3 33			
F 21	23 27	9 35	1 9	25 3	1 36	21 31	0 42	26 30	3 8	4 4	1 13	1 40	2 26	8 10	0 35	11 17	0 43	5 33	17 5	13 7	12 36	19 21	17 33	3 33			
S 22	23 27	5 46	2 12	25 7	1 40	21 43	0 40	26 30	3 9	4 3	1 13	1 39	2 26	8 10	0 35	11 17	0 43	5 33	17 4	13 7	12 37	19 21	17 34	3 34			
S 23	23 27	1 37	3 10	25 9	1 44	21 54	0 38	26 31	3 10	4 2	1 14	1 38	2 26	8 10	0 35	11 16	0 43	5 33	17 4	13 7	12 38	19 21	17 35	3 34			
M24	23 26	2n45	4 0	25 10	1 48	22 5	0 35	26 31	3 12	4 1	1 14	1 37	2 25	8 10	0 35	11 16	0 43	5 33	17 4	13 7	12 39	19 21	17 36	3 35			
T 25	23 25	7 7	4 38	25 9	1 51	22 15	0 33	26 31	3 13	4 0	1 14	1 36	2 25	8 10	0 35	11 15	0 43	5 33	17 3	13 8	12 40	19 21	17 37	3 35			
W26	23 23	11 16	5 2	25 7	1 55	22 25	0 30	26 31	3 14	3 59	1 14	1 35	2 25	8 9	0 35	11 15	0 43	5 32	17 3	13 10	12 41	19 21	17 38	3 35			
T 27	23 21	14 53	5 7	25 4	1 58	22 34	0 28	26 31	3 15	3 59	1 15	1 33	2 25	8 9	0 35	11 14	0 43	5 32	17 3	13 12	12 42	19 22	17 39	3 36			
F 28	23 19	17 38	4 51	24 59	2 0	22 42	0 25	26 31	3 16	3 58	1 15	1 32	2 24	8 9	0 35	11 14	0 43	5 32	17 2	13 15	12 43	19 22	17 40	3 36			
S 29	23 16	19 12	4 15	24 52	2 2	22 49	0 23	26 31	3 17	3 58	1 15	1 31	2 24	8 9	0 35	11 13	0 43	5 32	17 2	13 17	12 44	19 22	17 40	3 36			
S 30	23 12	19 23	3 20	24 44	2 4	22 56	0 20	26 30	3 18	3 57	1 16	1 30	2 24	8 9	0 35	11 13	0 43	5 31	17 2	13 20	12 45	19 22	17 41	3 37			
M31	23s 8	18n 8	2s11	24s34	2s 6	23s 2	0n18	26n30	3n18	3n57	1n16	1s28	2s24	8n 9	0s35	11s12	0s43	5s31	17s 1	13n21	12n47	19s22	17s42	3n37			