



Astrodienst Ephemeris Tables for the year 1549

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 1549
geocentric

JANUARY 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 20 14	20°33'58	11°4' 4	19°R42	4°15	20°820	11°Y57	19°338	28°R35	1°R20	23°58	27°R31	27°21	3°17	26°R24	T 1
W 2	7 24 11	21°35'06	23°12	18°324	5°21	20°34	12° 4	19°45	28°35	1°D20	23°59	27°18	27°17	3°24	26°120	W 2
T 3	7 28 7	22°36'12	5°17 9	17° 9	6°27	20°47	12°11	19°52	28°34	1°20	24° 0	27° 8	27°14	3°31	26°17	T 3
F 4	7 32 4	23°37'18	17°52	15°57	7°33	21° 2	12°19	19°59	28°34	1°20	24° 2	27° 1	27°11	3°37	26°13	F 4
S 5	7 36 0	24°38'23	0°Y30	14°52	8°39	21°17	12°27	20° 6	28°33	1°20	24° 3	26°57	27° 8	3°44	26°10	S 5
S 6	7 39 57	25°39'26	13°23	13°55	9°46	21°32	12°34	20°13	28°32	1°20	24° 5	26°55	27° 5	3°51	26° 6	S 6
M 7	7 43 54	26°40'29	26°36	13° 6	10°52	21°48	12°42	20°21	28°32	1°20	24° 7	26°55	27° 1	3°57	26° 3	M 7
T 8	7 47 50	27°41'31	10°11	12°26	11°59	22° 5	12°50	20°28	28°31	1°21	24° 8	26°55	26°58	4° 4	26° 0	T 8
W 9	7 51 47	28°42'31	24°11	11°54	13° 6	22°21	12°58	20°35	28°30	1°21	24°10	26°53	26°55	4°11	25°57	W 9
T 10	7 55 43	29°43'31	8°1136	11°32	14°14	22°39	13° 7	20°42	28°29	1°21	24°11	26°49	26°52	4°18	25°53	T 10
F 11	7 59 40	0°44'29	23°24	11°19	15°21	22°57	13°15	20°49	28°28	1°21	24°13	26°43	26°49	4°24	25°50	F 11
S 12	8 3 36	1°45'26	8°29	11°D14	16°29	23°15	13°24	20°56	28°27	1°22	24°14	26°33	26°46	4°31	25°47	S 12
S 13	8 7 33	2°46'22	23°42	11°17	17°37	23°33	13°33	21° 3	28°26	1°22	24°16	26°22	26°42	4°38	25°44	S 13
M14	8 11 29	3°47'17	8°125	11°27	18°45	23°53	13°42	21°10	28°25	1°23	24°18	26°10	26°39	4°44	25°42	M14
T 15	8 15 26	4°48'11	23°50	11°45	19°53	24°12	13°51	21°17	28°24	1°23	24°19	25°59	26°36	4°51	25°39	T 15
W16	8 19 23	5°49'04	8°124	12° 8	21° 1	24°32	14° 0	21°24	28°23	1°23	24°21	25°50	26°33	4°58	25°36	W16
T 17	8 23 19	6°49'56	22°31	12°37	22°10	24°52	14° 9	21°31	28°21	1°24	24°22	25°44	26°30	5° 5	25°33	T 17
F 18	8 27 16	7°50'47	6°17	13°12	23°18	25°13	14°19	21°38	28°20	1°25	24°24	25°41	26°27	5°11	25°31	F 18
S 19	8 31 12	8°51'38	19°15	13°51	24°27	25°34	14°28	21°45	28°19	1°25	24°26	25°39	26°23	5°18	25°28	S 19
S 20	8 35 9	9°52'27	1°157	14°35	25°36	25°55	14°38	21°51	28°17	1°26	24°27	25°D39	26°20	5°25	25°26	S 20
M21	8 39 5	10°53'15	14°19	15°22	26°45	26°16	14°48	21°58	28°16	1°26	24°29	25°R39	26°17	5°31	25°23	M21
T 22	8 43 2	11°54'03	26°24	16°14	27°54	26°38	14°58	22° 5	28°14	1°27	24°31	25°38	26°14	5°38	25°21	T 22
W23	8 46 58	12°54'49	8°127	17° 8	29° 4	27° 1	15° 8	22°12	28°13	1°28	24°32	25°35	26°11	5°45	25°19	W23
T 24	8 50 55	13°55'35	20°10	18° 6	0°13	27°23	15°18	22°19	28°11	1°29	24°34	25°30	26° 7	5°52	25°16	T 24
F 25	8 54 52	14°56'19	2°3 0	19° 7	1°23	27°46	15°28	22°25	28°10	1°29	24°36	25°21	26° 4	5°58	25°14	F 25
S 26	8 58 48	15°57'02	13°52	20°10	2°32	28°10	15°39	22°32	28° 8	1°30	24°37	25°10	26° 1	6° 5	25°12	S 26
S 27	9 2 45	16°57'44	25°49	21°15	3°42	28°33	15°49	22°39	28° 6	1°31	24°39	24°58	25°58	6°12	25°10	S 27
M28	9 6 41	17°58'25	7°52	22°23	4°52	28°57	16° 0	22°46	28° 4	1°32	24°41	24°44	25°55	6°18	25° 8	M28
T 29	9 10 38	18°59'04	20° 4	23°33	6° 2	29°21	16°11	22°52	28° 3	1°33	24°42	24°31	25°52	6°25	25° 7	T 29
W30	9 14 34	19°59'41	2°125	24°45	7°12	29°46	16°21	22°59	28° 1	1°34	24°44	24°20	25°48	6°32	25° 5	W30
T 31	9 18 31	21°0'17	14°155	25°358	8°22	0°110	16°Y32	23°3 5	27°59	1°35	24°46	24°11	25°45	6°39	25°11 3	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s55	12s49	4n51	18s55	3n10	17s58	3n 8	19n54	2n 7	3n35	1s15	22s 3	0n 0	1n16	0n46	10n15
W 2	21 46	9 34	4 30	18 57	3 19	18 11	3 6	19 58	2 7	3 38	1 15	22 2	0 0	1 16	0 46	10 16
T 3	21 36	5 52	3 56	19 0	3 25	18 24	3 4	20 2	2 7	3 41	1 15	22 1	0 0	1 16	0 46	10 16
F 4	21 25	1 53	3 10	19 5	3 29	18 37	3 2	20 6	2 7	3 44	1 14	22 0	0 0	1 16	0 46	10 16
S 5	21 15	2n15	2 15	19 11	3 30	18 50	3 0	20 10	2 7	3 47	1 14	21 59	0 0	1 17	0 46	10 16
S 6	21 4	6 23	1 11	19 18	3 29	19 2	2 58	20 14	2 7	3 51	1 14	21 58	0 0	1 17	0 46	10 16
M 7	20 52	10 19	0 2	19 25	3 27	19 14	2 56	20 19	2 7	3 54	1 14	21 57	0s 0	1 17	0 46	10 16
T 8	20 40	13 48	1s10	19 34	3 22	19 25	2 53	20 23	2 7	3 57	1 13	21 56	0 0	1 18	0 46	10 16
W 9	20 28	16 37	2 19	19 42	3 16	19 36	2 51	20 27	2 8	4 1	1 13	21 55	0 0	1 18	0 46	10 16
T 10	20 15	18 29	3 21	19 52	3 9	19 47	2 48	20 32	2 8	4 4	1 13	21 54	0 0	1 19	0 46	10 16
F 11	20 2	21 9	4 12	20 1	3 0	19 57	2 45	20 36	2 8	4 8	1 13	21 53	0 0	1 19	0 46	10 17
S 12	19 49	18 28	4 46	20 11	2 51	20 7	2 43	20 41	2 8	4 11	1 12	21 52	0 0	1 19	0 46	10 17
S 13	19 35	16 29	5 0	20 20	2 41	20 16	2 40	20 46	2 7	4 15	1 12	21 51	0 0	1 20	0 46	10 17
M14	19 21	13 22	4 53	20 29	2 31	20 25	2 37	20 51	2 7	4 19	1 12	21 50	0 1	1 20	0 46	10 17
T 15	19 7	9 25	4 26	20 39	2 20	20 33	2 34	20 55	2 7	4 23	1 12	21 49	0 1	1 21	0 46	10 17
W16	18 52	5 0	3 42	20 47	2 10	20 41	2 31	21 0	2 7	4 26	1 11	21 48	0 1	1 21	0 46	10 18
T 17	18 37	0 27	2 46	20 56	1 59	20 48	2 28	21 5	2 7	4 30	1 11	21 47	0 1	1 22	0 46	10 18
F 18	18 21	3s59	1 41	21 3	1 48	20 55	2 25	21 10	2 7	4 34	1 11	21 46	0 1	1 22	0 46	10 18
S 19	18 5	8 5	0 34	21 10	1 36	21 2	2 21	21 15	2 7	4 38	1 11	21 45	0 1	1 23	0 46	10 18
S 20	17 49	11 40	0n33	21 17	1 25	21 7	2 18	21 20	2 7	4 42	1 10	21 44	0 1	1 24	0 46	10 19
M21	17 32	14 37	1 37	21 22	1 15	21 13	2 15	21 25	2 7	4 46	1 10	21 43	0 1	1 24	0 47	10 19
T 22	17 16	16 53	2 35	21 27	1 4	21 18	2 11	21 30	2 7	4 50	1 10	21 42	0 1	1 25	0 47	10 19
W23	16 59	18 22	3 26	21 31	0 53	21 22	2 8	21 35	2 6	4 54	1 10	21 41	0 1	1 25	0 47	10 19
T 24	16 41	19 2	4 7	21 34	0 43	21 25	2 4	21 40	2 6	4 58	1 10	21 40	0 1	1 26	0 47	10 20
F 25	16 24	18 52	4 37	21 35	0 33	21 29	2 1	21 45	2 6	5 2	1 9	21 39	0 1	1 27	0 47	10 20
S 26	16 6	17 52	4 56	21 36	0 23	21 31	1 57	21 51	2 6	5 7	1 9	21 38	0 1	1 27	0 47	10 20
S 27	15 47	16 6	5 2	21 36	0 13	21 33	1 54	21 56	2 6	5 11	1 9	21 37	0 2	1 28	0 47	10 21
M28	15 29	13 36	4 54	21 34	0 4	21 34	1 50	22 1	2 6	5 15	1 9	21 36	0 2	1 29	0 47	10 21
T 29	15 10	10 31	4 33	21 32	0s 6	21 35	1 46	22 6	2 5	5 19	1 8	21 35	0 2	1 30	0 47	10 22
W30	14 51	6 56	3 59	21 28	0 15	21 36	1 43	22 11	2 5	5 24	1 8	21 34	0 2	1 30	0 47	10 22
T 31	14s32	3s 0	3n12	21s23	0s23	21s35	1n39	22n16	2n 5	5n28	1s 8	21s33	0s 2	1n31	0n47	10n22

Julian Day Number = 2286830.5, Delta T = 182.02 sec

Ecliptic obliquity = 23°29'44", Nutation = 0°00'09", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°26'50", Lahiri = 17°33'50" Julian Calendar 1 Jan. 1549 == Greg. Calendar 11 Jan. 1549

ASTRODIENST EPHEMERIS for the year 1549

geocentric

FEBRUARY 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	9 22 27	22° 05'1	27° 35'	27° 13'	9° 33'	0° 35'	16° 43'	23° 12'	27° 57'	1° 36'	24° 48'	24° R 5	25° 42'	6° 45'	25° R 2	F 1
S 2	9 26 24	23° 1'24	10° 26'	28° 30'	10° 43'	1° 1'	16° 55'	23° 18'	27° 55'	1° 37'	24° 49'	24° 2	25° 39'	6° 52'	25° II 0	S 2
S 3	9 30 21	24° 1'55	23° 30'	29° 48'	11° 53'	1° 26'	17° 6'	23° 25'	27° 53'	1° 38'	24° 51'	24° D 1	25° 36'	6° 59'	24° 59'	S 3
M 4	9 34 17	25° 2'24	6° 47'	1° 8'	13° 4'	1° 52'	17° 17'	23° 31'	27° 51'	1° 39'	24° 53'	24° 2	25° 32'	7° 5'	24° 58'	M 4
T 5	9 38 14	26° 2'51	20° 22'	2° 29'	14° 14'	2° 18'	17° 29'	23° 38'	27° 49'	1° 40'	24° 54'	24° R 2	25° 29'	7° 12'	24° 56'	T 5
W 6	9 42 10	27° 3'16	4° 11'	3° 52'	15° 25'	2° 44'	17° 40'	23° 44'	27° 47'	1° 41'	24° 56'	24° 2	25° 26'	7° 19'	24° 55'	W 6
T 7	9 46 7	28° 3'39	18° 24'	5° 15'	16° 36'	3° 10'	17° 52'	23° 50'	27° 45'	1° 42'	24° 58'	24° 0	25° 23'	7° 26'	24° 54'	T 7
F 8	9 50 3	29° 4'00	2° 53'	6° 40'	17° 46'	3° 37'	18° 4'	23° 57'	27° 43'	1° 44'	24° 59'	23° 56'	25° 20'	7° 32'	24° 53'	F 8
S 9	9 54 0	0° 4'20	17° 33'	8° 6'	18° 57'	4° 4'	18° 15'	24° 3'	27° 40'	1° 45'	25° 1'	23° 50'	25° 17'	7° 39'	24° 52'	S 9
S 10	9 57 56	1° 4'37	2° 21'	9° 33'	20° 8'	4° 31'	18° 27'	24° 9'	27° 38'	1° 46'	25° 3'	23° 42'	25° 13'	7° 46'	24° 52'	S 10
M 11	10 1 53	2° 4'52	17° 11'	11° 2'	21° 19'	4° 58'	18° 39'	24° 15'	27° 36'	1° 48'	25° 5'	23° 34'	25° 10'	7° 52'	24° 51'	M 11
T 12	10 5 50	3° 5'06	1° 51'	12° 31'	22° 30'	5° 26'	18° 51'	24° 21'	27° 34'	1° 49'	25° 6'	23° 26'	25° 7'	7° 59'	24° 50'	T 12
W 13	10 9 46	4° 5'17	16° 16'	14° 2'	23° 41'	5° 53'	19° 3'	24° 27'	27° 31'	1° 50'	25° 8'	23° 19'	25° 4'	8° 6'	24° 50'	W 13
T 14	10 13 43	5° 5'27	0° 18'	15° 34'	24° 53'	6° 21'	19° 16'	24° 33'	27° 29'	1° 52'	25° 10'	23° 15'	25° 1'	8° 13'	24° 49'	T 14
F 15	10 17 39	6° 5'35	13° 56'	17° 7'	26° 4'	6° 49'	19° 28'	24° 39'	27° 27'	1° 53'	25° 11'	23° 12'	24° 58'	8° 19'	24° 49'	F 15
S 16	10 21 36	7° 5'42	27° 7'	18° 41'	27° 15'	7° 18'	19° 40'	24° 45'	27° 24'	1° 55'	25° 13'	23° D 12	24° 54'	8° 26'	24° 49'	S 16
S 17	10 25 32	8° 5'47	9° 55'	20° 16'	28° 26'	7° 46'	19° 53'	24° 51'	27° 22'	1° 56'	25° 15'	23° 13'	24° 51'	8° 33'	24° 49'	S 17
M 18	10 29 29	9° 5'50	22° 21'	21° 52'	29° 38'	8° 15'	20° 5'	24° 57'	27° 20'	1° 58'	25° 16'	23° 15'	24° 48'	8° 39'	24° D 49	M 18
T 19	10 33 25	10° 5'52	4° 30'	23° 29'	0° 49'	8° 43'	20° 18'	25° 2'	27° 17'	1° 59'	25° 18'	23° 16'	24° 45'	8° 46'	24° 49'	T 19
W 20	10 37 22	11° 5'52	16° 30'	25° 7'	2° 1'	9° 12'	20° 31'	25° 8'	27° 15'	2° 1'	25° 20'	23° R 16	24° 42'	8° 53'	24° 49'	W 20
T 21	10 41 18	12° 5'50	28° 23'	26° 47'	3° 12'	9° 41'	20° 43'	25° 14'	27° 12'	2° 2'	25° 21'	23° 14'	24° 38'	9° 0'	24° 49'	T 21
F 22	10 45 15	13° 5'47	10° 14'	28° 28'	4° 24'	10° 11'	20° 56'	25° 19'	27° 10'	2° 4'	25° 23'	23° 11'	24° 35'	9° 6'	24° 49'	F 22
S 23	10 49 12	14° 5'42	22° 8'	0° 9'	5° 36'	10° 40'	21° 9'	25° 25'	27° 7'	2° 5'	25° 24'	23° 6'	24° 32'	9° 13'	24° 50'	S 23
S 24	10 53 8	15° 5'35	4° 9'	1° 52'	6° 48'	11° 9'	21° 22'	25° 30'	27° 5'	2° 7'	25° 26'	22° 59'	24° 29'	9° 20'	24° 50'	S 24
M 25	10 57 5	16° 5'26	16° 19'	3° 36'	7° 59'	11° 39'	21° 35'	25° 35'	27° 2'	2° 9'	25° 28'	22° 52'	24° 26'	9° 26'	24° 51'	M 25
T 26	11 1 1	17° 5'16	28° 41'	5° 22'	9° 11'	12° 9'	21° 48'	25° 41'	27° 0'	2° 10'	25° 29'	22° 46'	24° 23'	9° 33'	24° 51'	T 26
W 27	11 4 58	18° 5'04	11° 15'	7° 8'	10° 23'	12° 39'	22° 1'	25° 46'	26° 57'	2° 12'	25° 31'	22° 40'	24° 19'	9° 40'	24° 52'	W 27
T 28	11 8 54	19° 4'49	24° 3'	8° 56'	11° 35'	13° 9'	22° 14'	25° 51'	26° 55'	2° 14'	25° 32'	22° 35'	24° 16'	9° 47'	24° 53'	T 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
F 1	14s12	1n 7	2n16	21s17	0s32	21s34	1n35	22n21	2n 5	5n33	1 s 8	21s32	0 s 2	1n32	0n47	10n23	1s47	23s43	11s 6	9s22	9s57	18s28	16n51	6s34	
S 2	13 52	5 15	1 12	21 9	0 40	21 33	1 31	22 26	2 5	5 37	1 8	21 31	0 2	1 33	0 47	10 23	1 47	23 42	11 6	9 21	9 56	18 27	16 51	6 33	
S 3	13 33	9 11	0 3	21 1	0 47	21 31	1 28	22 31	2 4	5 42	1 7	21 30	0 2	1 34	0 47	10 24	1 47	23 42	11 6	9 20	9 55	18 26	16 51	6 33	
M 4	13 12	12 45	1 s 8	20 51	0 55	21 28	1 24	22 36	2 4	5 46	1 7	21 29	0 2	1 34	0 47	10 24	1 47	23 41	11 6	9 21	9 54	18 26	16 52	6 33	
T 5	12 52	15 42	2 16	20 40	1 2	21 24	1 20	22 41	2 4	5 51	1 7	21 28	0 2	1 35	0 47	10 24	1 47	23 41	11 6	9 21	9 53	18 25	16 52	6 32	
W 6	12 31	17 48	3 18	20 27	1 9	21 21	1 16	22 46	2 4	5 55	1 7	21 27	0 2	1 36	0 47	10 25	1 47	23 40	11 6	9 21	9 52	18 25	16 52	6 32	
T 7	12 11	18 51	4 9	20 13	1 15	21 16	1 12	22 51	2 3	6 0	1 7	21 26	0 2	1 37	0 47	10 25	1 47	23 39	11 6	9 20	9 50	18 24	16 53	6 31	
F 8	11 50	18 42	4 46	19 58	1 22	21 11	1 8	22 56	2 3	6 4	1 6	21 25	0 2	1 38	0 47	10 26	1 47	23 39	11 6	9 19	9 49	18 23	16 53	6 31	
S 9	11 28	17 19	5 4	19 42	1 28	21 5	1 5	23 1	2 3	6 9	1 6	21 23	0 2	1 39	0 47	10 26	1 47	23 38	11 7	9 16	9 48	18 23	16 54	6 30	
S 10	11 7	14 46	5 2	19 24	1 33	20 59	1 1	23 6	2 2	6 14	1 6	21 22	0 3	1 40	0 47	10 27	1 47	23 38	11 7	9 13	9 47	18 22	16 54	6 30	
M 11	10 46	11 16	4 41	19 5	1 38	20 52	0 57	23 11	2 2	6 19	1 6	21 21	0 3	1 41	0 47	10 27	1 47	23 37	11 7	9 10	9 46	18 21	16 55	6 29	
T 12	10 24	7 6	4 0	18 44	1 43	20 44	0 53	23 15	2 2	6 23	1 6	21 21	0 3	1 41	0 47	10 28	1 47	23 37	11 7	9 7	9 45	18 21	16 55	6 29	
W 13	10 2	2 35	3 5	18 22	1 48	20 36	0 49	23 20	2 2	6 28	1 6	21 20	0 3	1 42	0 47	10 28	1 47	23 36	11 7	9 5	9 43	18 20	16 55	6 29	
T 14	9 40	1s58	2 0	17 59	1 52	20 27	0 46	23 25	2 1	6 33	1 5	21 19	0 3	1 43	0 47	10 29	1 47	23 36	11 7	9 3	9 42	18 19	16 56	6 28	
F 15	9 18	6 16	0 50	17 35	1 55	20 18	0 42	23 29	2 1	6 38	1 5	21 18	0 3	1 44	0 47	10 29	1 47	23 35	11 7	9 2	9 41	18 19	16 56	6 28	
S 16	8 56	10 9	0n21	17 9	1 59	20 8	0 38	23 34	2 1	6 43	1 5	21 17	0 3	1 45	0 47	10 30	1 47	23 35	11 7	9 2	9 40	18 18	16 57	6 27	
S 17	8 33	13 25	1 29	16 41	2 2	19 58	0 34	23 38	2 0	6 47	1 5	21 16	0 3	1 46	0 47	10 31	1 46	23 34	11 7	9 3	9 39	18 17	16 57	6 27	
M 18	8 11	15 58	2 31	16 13	2 4	19 47	0 30	23 43	2 0	6 52	1 5	21 15	0 3	1 47	0 47	10 31	1 46	23 34	11 7	9 3	9 38	18 17	16 58	6 26	
T 19	7 48	17 44	3 25	15 43	2 7	19 35	0 27	23 47	2 0	6 57	1 5	21 14	0 3	1 48	0 47	10 32	1 46	23 33	11 7	9 4	9 36	18 16	16 58	6 26	
W 20	7 25	18 41	4 9	15 12	2 8	19 23	0 23	23 51	2 0	7 2	1 4	21 13	0 3	1 49	0 47	10 32	1 46	23 33	11 8	9 4	9 35	18 15	16 59	6 25	
T 21	7 2	18 48	4 41	14 39	2 10	19 10	0 19	23 55	1 59	7 7	1 4	21 12	0 3	1 50	0 47	10 33	1 46	23 32	11 8	9 3	9 34	18 15	16 59	6 25	
F 22	6 39	18 5	5 2	14 5	2 11	18 57	0 16	23 59	1 59	7 12	1 4	21 11	0 3	1 51	0 47	10 33	1 46	23 32	11 8	9 2	9 33	18 14	17 0	6 24	
S 23	6 16	16 34	5 10	13 29	2 11	18 43	0 12	24 3	1 59	7 17	1 4	21 10	0 4	1 52	0 47	10 34	1 46	23 32	11 8	9 0	9 32	18 13	17 0	6 24	
S 24	5 53	14 20	5 4	12 53	2 11	18 29	0 9	24 7	1 58	7 22	1 4	21 9	0 4	1 53	0 47	10 35	1 46	23 31	11 8	8 57	9 31	18 13	17 1	6 23	
M 25	5 30	11 27	4 45	12 15	2 11	18 14	0 5	24 11	1 58	7 27	1 4	21 8	0 4	1 54	0 47	10 35	1 46	23 31	11 8	8 55	9 29	18 12	17 1	6 23	
T 26	5 7	8 2	4 12	11 35	2 10	17 59	0 2	24 15	1 58	7 32	1 4	21 7	0 4	1 55	0 47	10 36	1 46	23 30	11 8	8 52	9 28	18 11	17 2	6 22	
W 27	4 43	4 11	3 26	10 54	2 9	17 43	0s 2	24 18	1 57	7 37	1 3	21 6	0 4	1 56	0 47	10 36	1 46	23 30	11 8	8 50	9 27	18 11	17 2	6 22	
T 28	4s20	0s 5	2n29	10s12	2s 7	17s26	0s 5	24n22	1n57	7n42	1 s 3	21s 5	0s 4	1n57	0n47	10n37	1s46	23s29	11s 9	8s49	9s26	18s10	17n 3	6s21	

Julian Day Number = 2286861.5, Delta T = 181.84 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'09, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°26'54, Lahiri = 17°33'54 Julian Calendar 1 Feb. 1549 == Greg. Calendar 11 Feb. 1549</

ASTRODIENST EPHEMERIS for the year 1549

geocentric

MARCH 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 12 51	20 ^h 43'	7 ^h 3'	10 ^h 45'	12 ^h 47'	13 ^h 39'	22 ^h 27'	25 ^h 56'	26 ^h R52	2 ^h 16'	25 ^h 34'	22 ^h R33	24 ^h 13'	9 ^h 53'	24 ^h 54'	F 1
S 2	11 16 47	21° 4'14	20°16	12°35	13°59	14°10	22°41	26° 1	26 ^h 49	2°17	25°36	22°D31	24°10	10° 0	24°55	S 2
S 3	11 20 44	22° 3'54	3 ^h 41	14°26	15°11	14°40	22°54	26° 6	26°47	2°19	25°37	22 ^h 32	24° 7	10° 7	24°56	S 3
M 4	11 24 41	23° 3'31	17°17	16°19	16°23	15°11	23° 7	26°11	26°44	2°21	25°39	22°33	24° 4	10°14	24°57	M 4
T 5	11 28 37	24° 3'06	1 ^h 11	18°12	17°35	15°42	23°21	26°16	26°42	2°23	25°40	22°35	24° 0	10°20	24°58	T 5
W 6	11 32 34	25° 2'38	15° 2	20° 7	18°47	16°13	23°34	26°21	26°39	2°25	25°42	22°36	23°57	10°27	25° 0	W 6
T 7	11 36 30	26° 2'09	29° 9	22° 3	19°59	16°44	23°48	26°25	26°36	2°27	25°43	22°R36	23°54	10°34	25° 1	T 7
F 8	11 40 27	27° 1'37	13 ^h 32	24° 1	21°11	17°15	24° 1	26°30	26°34	2°29	25°45	22°35	23°51	10°40	25° 3	F 8
S 9	11 44 23	28° 1'02	27°44	25°59	22°23	17°46	24°15	26°35	26°31	2°31	25°46	22°33	23°48	10°47	25° 4	S 9
S 10	11 48 20	29° 0'25	12 ^h 6	27°59	23°35	18°17	24°29	26°39	26°29	2°32	25°48	22°31	23°44	10°54	25° 6	S 10
M 11	11 52 16	29°59'46	26°26	29°59	24°47	18°49	24°42	26°44	26°26	2°34	25°49	22°27	23°41	11° 1	25° 8	M 11
T 12	11 56 13	0 ^h 59'05	10 ^h 38	2 ^h 1	26° 0	19°20	24°56	26°48	26°23	2°36	25°51	22°24	23°38	11° 7	25°10	T 12
W 13	12 0 10	1°58'21	24°39	4° 3	27°12	19°52	25°10	26°52	26°21	2°38	25°52	22°22	23°35	11°14	25°12	W 13
T 14	12 4 6	2°57'35	8 ^h 23	6° 5	28°24	20°24	25°24	26°56	26°18	2°40	25°53	22°20	23°32	11°21	25°14	T 14
F 15	12 8 3	3°56'48	21°49	8° 9	29°37	20°55	25°38	27° 1	26°16	2°42	25°55	22°D20	23°29	11°27	25°16	F 15
S 16	12 11 59	4°55'58	4 ^h 54	10°12	0 ^h 49	21°27	25°51	27° 5	26°13	2°44	25°56	22°20	23°25	11°34	25°18	S 16
S 17	12 15 56	5°55'06	17°40	12°16	2° 1	21°59	26° 5	27° 9	26°10	2°46	25°58	22°21	23°22	11°41	25°20	S 17
M 18	12 19 52	6°54'13	0 ^h 7	14°19	3°14	22°32	26°19	27°12	26° 8	2°49	25°59	22°22	23°19	11°48	25°22	M 18
T 19	12 23 49	7°53'18	12°20	16°22	4°26	23° 4	26°33	27°16	26° 5	2°51	26° 0	22°24	23°16	11°54	25°25	T 19
W 20	12 27 45	8°52'20	24°22	18°24	5°38	23°36	26°47	27°20	26° 3	2°53	26° 2	22°25	23°13	12° 1	25°27	W 20
T 21	12 31 42	9°51'22	6 ^h 17	20°24	6°51	24° 8	27° 1	27°24	26° 0	2°55	26° 3	22°R25	23° 9	12° 8	25°30	T 21
F 22	12 35 38	10°50'21	18°10	22°24	8° 3	24°41	27°15	27°27	25°58	2°57	26° 4	22°25	23° 6	12°14	25°33	F 22
S 23	12 39 35	11°49'19	0 ^h 5	24°21	9°16	25°13	27°29	27°31	25°55	2°59	26° 6	22°25	23° 3	12°21	25°35	S 23
S 24	12 43 32	12°48'14	12° 8	26°16	10°28	25°46	27°44	27°34	25°53	3° 1	26° 7	22°24	23° 0	12°28	25°38	S 24
M 25	12 47 28	13°47'08	24°21	28° 9	11°41	26°19	27°58	27°37	25°50	3° 3	26° 8	22°22	22°57	12°35	25°41	M 25
T 26	12 51 25	14°46'00	6 ^h 49	29°58	12°53	26°52	28°12	27°40	25°48	3° 6	26° 9	22°21	22°54	12°41	25°44	T 26
W 27	12 55 21	15°44'50	19°34	1 ^h 44	14° 6	27°24	28°26	27°44	25°46	3° 8	26°10	22°20	22°50	12°48	25°47	W 27
T 28	12 59 18	16°43'39	2 ^h 36	3°27	15°19	27°57	28°40	27°47	25°43	3°10	26°12	22°20	22°47	12°55	25°50	T 28
F 29	13 3 14	17°42'25	15°56	5° 6	16°31	28°30	28°54	27°50	25°41	3°12	26°13	22°D20	22°44	13° 2	25°54	F 29
S 30	13 7 11	18°41'10	29°34	6°40	17°44	29° 3	29° 9	27°52	25°39	3°14	26°14	22°20	22°41	13° 8	25°57	S 30
S 31	13 11 7	19°39'52	13 ^h 25	8 ^h 11	18 ^h 56	29 ^h 37	29°23	27 ^h 55	25 ^h 36	3 ^h 16	26°15	22 ^h 20	22 ^h 38	13 ^h 15	26 ^h 0	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	3s56	4n 5	1n24	9s29	2s 5	17s 9	0s 9	24n25	1n57	7n47	1 s 3	21s 5	0s 4	1n58	0n47	10n38	1s46	23s29	11s 9	8s47	9s25	18s 9	17n 3	6s21			
S 2	3 33	8 8	0 12	8 44	2 2	16 52	0 12	24 29	1 56	7 52	1 3	21 4	0 4	1 59	0 47	10 38	1 46	23 29	11 9	8 47	9 24	18 8	17 4	6 20			
S 3	3 9	11 49	1s 1	7 58	1 59	16 34	0 15	24 32	1 56	7 57	1 3	21 3	0 4	2 0	0 47	10 39	1 46	23 28	11 9	8 47	9 22	18 8	17 4	6 20			
M 4	2 46	14 56	2 12	7 11	1 55	16 16	0 19	24 35	1 56	8 2	1 3	21 2	0 4	2 1	0 47	10 40	1 46	23 28	11 9	8 48	9 21	18 7	17 5	6 19			
T 5	2 22	17 14	3 16	6 23	1 51	15 57	0 22	24 38	1 55	8 7	1 3	21 1	0 4	2 2	0 47	10 40	1 46	23 27	11 9	8 48	9 20	18 6	17 5	6 19			
W 6	1 58	18 32	4 9	5 33	1 46	15 38	0 25	24 41	1 55	8 12	1 2	21 0	0 4	2 3	0 47	10 41	1 46	23 27	11 10	8 49	9 19	18 6	17 6	6 19			
T 7	1 35	18 41	4 48	4 42	1 41	15 18	0 28	24 44	1 55	8 17	1 2	20 59	0 5	2 4	0 47	10 42	1 46	23 27	11 10	8 49	9 18	18 5	17 6	6 18			
F 8	1 11	17 41	5 10	3 50	1 35	14 58	0 31	24 47	1 54	8 23	1 2	20 59	0 5	2 6	0 47	10 42	1 46	23 26	11 10	8 49	9 17	18 4	17 7	6 18			
S 9	0 47	15 33	5 13	2 57	1 29	14 37	0 34	24 49	1 54	8 28	1 2	20 58	0 5	2 7	0 47	10 43	1 46	23 26	11 10	8 48	9 15	18 3	17 7	6 17			
S 10	0 24	12 28	4 56	2 3	1 22	14 16	0 37	24 52	1 53	8 33	1 2	20 57	0 5	2 8	0 47	10 44	1 46	23 26	11 10	8 47	9 14	18 3	17 8	6 17			
M11	0 0	8 39	4 21	1 8	1 14	13 55	0 40	24 54	1 53	8 38	1 2	20 56	0 5	2 9	0 47	10 45	1 46	23 25	11 11	8 46	9 13	18 2	17 8	6 16			
T 12	0n24	4 22	3 30	0 13	1 6	13 33	0 43	24 56	1 53	8 43	1 2	20 56	0 5	2 10	0 47	10 45	1 46	23 25	11 11	8 44	9 12	18 1	17 9	6 16			
W13	0 47	0s 7	2 27	0n44	0 58	13 11	0 46	24 59	1 52	8 48	1 2	20 55	0 5	2 11	0 47	10 46	1 45	23 25	11 11	8 43	9 11	18 1	17 10	6 15			
T 14	1 11	4 30	1 16	1 41	0 49	12 49	0 48	25 1	1 52	8 53	1 2	20 54	0 5	2 12	0 47	10 47	1 45	23 24	11 11	8 43	9 9	18 0	17 10	6 15			
F 15	1 34	8 34	0 3	2 38	0 39	12 26	0 51	25 2	1 52	8 59	1 1	20 53	0 5	2 13	0 47	10 47	1 45	23 24	11 11	8 43	9 8	17 59	17 11	6 14			
S 16	1 58	12 6	1n 9	3 36	0 29	12 3	0 53	25 4	1 51	9 4	1 1	20 53	0 5	2 14	0 47	10 48	1 45	23 24	11 12	8 43	9 7	17 58	17 11	6 14			
S 17	2 21	14 58	2 15	4 34	0 19	11 39	0 56	25 6	1 51	9 9	1 1	20 52	0 5	2 15	0 47	10 49	1 45	23 24	11 12	8 43	9 6	17 58	17 12	6 13			
M18	2 45	17 4	3 14	5 32	0 8	11 15	0 58	25 7	1 51	9 14	1 1	20 51	0 5	2 16	0 47	10 50	1 45	23 23	11 12	8 44	9 5	17 57	17 12	6 13			
T 19	3 8	18 19	4 2	6 29	0n 3	10 51	1 1	25 9	1 50	9 19	1 1	20 51	0 6	2 17	0 47	10 50	1 45	23 23	11 12	8 44	9 4	17 56	17 13	6 12			
W20	3 32	18 43	4 39	7 26	0 14	10 27	1 3	25 10	1 50	9 24	1 1	20 50	0 6	2 18	0 47	10 51	1 45	23 23	11 13	8 45	9 2	17 55	17 13	6 12			
T 21	3 55	18 17	5 4	8 23	0 25	10 2	1 5	25 11	1 50	9 29	1 1	20 49	0 6	2 19	0 47	10 52	1 45	23 22	11 13	8 45	9 1	17 55	17 14	6 12			
F 22	4 18	17 3	5 16	9 18	0 37	9 37	1 8	25 12	1 49	9 35	1 1	20 49	0 6	2 20	0 47	10 52	1 45	23 22	11 13	8 45	9 0	17 54	17 14	6 11			
S 23	4 41	15 4	5 14	10 13	0 48	9 11	1 10	25 13	1 49	9 40	1 1	20 48	0 6	2 21	0 47	10 53	1 45	23 22	11 13	8 45	8 59	17 53	17 15	6 11			
S 24	5 4	12 26	4 58	11 5	1 0	8 46	1 12	25 14	1 48	9 45	1 1	20 48	0 6	2 22	0 47	10 54	1 45	23 22	11 14	8 44	8 58	17 52	17 15	6 10			
M25	5 27	9 13	4 29	11 57	1 11	8 20	1 14	25 15	1 48	9 50	1 0	20 47	0 6	2 23	0 47	10 55	1 45	23 22	11 14	8 44	8 57	17 52	17 16	6 10			
T 26	5 50	5 32	3 46	12 46	1 22	7 54	1 16	25 15	1 48	9 55	1 0	20 47	0 6	2 24	0 47	10 55	1 45	23 21	11 14	8 43	8 55	17 51	17 16	6 9			
W27	6 13	1 31	2 52	13 33	1 33	7 28	1 17	25 15	1 47	10 0	1 0	20 46	0 6	2 24	0 47	10 56	1 45	23 21	11 14	8 43	8 54	17 50	17 17	6 9			
T 28	6 35	2n41	1 47	14 19	1 43	7 1	1 19	25 16	1 47	10 5	1 0	20 45	0 6	2 25	0 47	10 57	1 45	23 21	11 15	8 43	8 53	17 49	17 17	6 9			
F 29	6 58	6 50	0 35	15 1	1 53	6 34	1 21	25 16	1 47	10 10	1 0	20 45	0 6	2 26	0 47	10 58	1 45	23 21	11 15	8 43	8 52	17 48	17 18	6 8			
S 30	7 20	10 43	0s40	15 42	2 2	6 8	1 23	25 16	1 46	10 16	1 0	20 44	0 6	2 27	0 47	10 59	1 45	23 21	11 15	8 43	8 51	17 48	17 18	6 8			
S 31	7n43	14n 5	1s54	16n20	2n11	5s40	1s24	25n15	1n46	10n21	1 s 0	20s44	0s 7	2n28	0n47	10n59	1s45	23s21	11s15	8s43	8s49	17s47	17n19	6s 7			

ASTRODIENST EPHEMERIS for the year 1549

geocentric

APRIL 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 15 4	20°38'32	27°8'29	9°8'36	20°8'9	0°5'10	29°37'37	27°3'58	25°R34	3°8'19	26°3'16	22°2'20	22°2'35	13°3'22	26°2'11	M 1
T 2	13 19 1	21°37'11	11°11'40	10°5'57	21°2'22	0°4'43	29°5'51	28°0'0	25°11'32	3°2'21	26°1'17	22°2'20	22°2'31	13°2'28	26°2'7	T 2
W 3	13 22 57	22°35'47	25°5'55	12°1'13	22°3'34	1°1'17	0°8'6	28°0'3	25°2'29	3°2'23	26°1'18	22°2'20	22°2'28	13°3'35	26°2'11	W 3
T 4	13 26 54	23°34'21	10°5'12	13°2'24	23°4'47	1°5'0	0°2'20	28°0'5	25°2'27	3°2'25	26°1'19	22°2'20	22°2'25	13°4'42	26°2'14	T 4
F 5	13 30 50	24°32'52	24°2'26	14°3'30	25°0'0	2°2'24	0°3'34	28°0'8	25°2'25	3°2'28	26°2'20	22°2'20	22°2'22	13°4'49	26°2'18	F 5
S 6	13 34 47	25°31'22	8°2'36	15°3'31	26°1'12	2°5'57	0°4'49	28°1'10	25°2'23	3°3'30	26°2'22	22°2'20	22°2'19	13°5'55	26°2'22	S 6
S 7	13 38 43	26°29'49	22°4'40	16°2'26	27°2'25	3°3'31	1°0'3	28°1'12	25°2'21	3°3'32	26°2'22	22°2'20	22°2'15	14°0'2	26°2'26	S 7
M 8	13 42 40	27°28'14	6°11'34	17°1'15	28°3'38	4°0'4	1°1'17	28°1'14	25°2'19	3°3'34	26°2'23	22°2'21	22°2'12	14°0'9	26°3'0	M 8
T 9	13 46 36	28°26'36	20°1'18	18°0'0	29°5'0	4°3'38	1°3'2	28°1'16	25°2'17	3°3'37	26°2'24	22°2'21	22°2'9	14°1'15	26°3'3	T 9
W10	13 50 33	29°24'57	3°4'51	18°3'38	1°1'3	5°1'2	1°4'6	28°1'18	25°2'15	3°3'39	26°2'25	22°2'22	22°2'6	14°2'22	26°3'7	W10
T 11	13 54 30	0°23'16	17°1'10	19°1'11	2°1'6	5°4'6	2°0'0	28°2'0	25°2'13	3°4'1	26°2'26	22°2'22	22°2'3	14°2'29	26°4'2	T 11
F 12	13 58 26	1°21'33	0°11'15	19°3'38	3°2'29	6°2'0	2°1'5	28°2'1	25°2'11	3°4'3	26°2'27	22°2'22	22°2'0	14°3'36	26°4'6	F 12
S 13	14 2 23	2°19'48	13°0'5	20°0'0	4°4'1	6°5'4	2°2'9	28°2'3	25°2'9	3°4'6	26°2'28	22°2'22	21°5'6	14°4'2	26°5'0	S 13
S 14	14 6 19	3°18'01	25°4'1	20°1'6	5°5'4	7°2'8	2°4'3	28°2'4	25°2'7	3°4'8	26°2'29	22°2'20	21°5'3	14°4'9	26°5'4	S 14
M15	14 10 16	4°16'13	8°4'4	20°2'7	7°0'7	8°0'2	2°5'7	28°2'6	25°2'5	3°5'0	26°2'30	22°2'19	21°5'0	14°5'6	26°5'9	M15
T 16	14 14 12	5°14'23	20°1'4	20°R32	8°2'0	8°3'6	3°1'2	28°2'7	25°2'3	3°5'2	26°2'30	22°2'17	21°4'7	15°0'3	27°0'3	T 16
W17	14 18 9	6°12'32	2°3'16	20°3'2	9°3'2	9°1'0	3°2'6	28°2'8	25°2'1	3°5'5	26°2'31	22°2'15	21°4'4	15°0'9	27°0'7	W17
T 18	14 22 5	7°10'39	14°1'1	20°2'6	10°4'5	9°4'4	3°4'0	28°2'9	25°2'0	3°5'7	26°2'32	22°2'14	21°4'0	15°1'6	27°1'2	T 18
F 19	14 26 2	8°0'44	26°4'4	20°1'6	11°5'8	10°1'9	3°5'5	28°3'0	24°5'8	3°5'9	26°2'33	22°2'13	21°3'7	15°2'3	27°1'6	F 19
S 20	14 29 59	9°0'48	7°4'59	20°1'1	13°1'11	10°5'3	4°0'9	28°3'1	24°5'6	4°0'1	26°2'33	22°2'12	21°3'4	15°2'9	27°2'1	S 20
S 21	14 33 55	10°0'4'51	20°1'1	19°4'2	14°2'4	11°2'7	4°2'3	28°3'2	24°5'5	4°0'4	26°2'34	22°2'12	21°3'1	15°3'6	27°2'6	S 21
M22	14 37 52	11°0'2'52	2°11'4	19°1'9	15°3'7	12°0'2	4°3'8	28°3'3	24°5'3	4°0'6	26°2'35	22°2'13	21°2'8	15°4'3	27°3'0	M22
T 23	14 41 48	12°0'5'2	14°4'3	18°5'2	16°4'9	12°3'6	4°5'2	28°3'3	24°5'2	4°0'8	26°2'35	22°2'15	21°2'5	15°5'0	27°3'5	T 23
W24	14 45 45	12°58'51	27°3'1	18°2'3	18°0'2	13°1'11	5°0'6	28°3'4	24°5'0	4°1'0	26°2'36	22°2'16	21°2'1	15°5'6	27°4'0	W24
T 25	14 49 41	13°56'48	10°1'42	17°5'1	19°1'5	13°4'5	5°2'0	28°3'4	24°4'9	4°1'3	26°2'37	22°2'17	21°1'8	16°0'3	27°4'5	T 25
F 26	14 53 38	14°54'44	24°1'5	17°1'7	20°2'8	14°2'0	5°3'5	28°3'4	24°4'7	4°1'5	26°2'37	22°2'18	21°1'5	16°1'0	27°5'0	F 26
S 27	14 57 34	15°52'38	8°1'1	16°4'2	21°4'1	14°5'5	5°4'9	28°3'5	24°4'6	4°1'7	26°2'38	22°2'17	21°1'2	16°1'6	27°5'5	S 27
S 28	15 1 31	16°50'31	22°2'7	16°0'6	22°5'4	15°2'9	6°0'3	28°3'5	24°4'5	4°1'9	26°2'38	22°2'15	21°0'9	16°2'3	28°0'0	S 28
M29	15 5 27	17°48'23	6°11'58	15°3'1	24°0'7	16°0'4	6°1'7	28°R35	24°4'4	4°2'1	26°2'39	22°2'12	21°0'6	16°3'0	28°0'5	M29
T 30	15 9 24	18°46'13	21°11'37	14°5'56	25°1'20	16°5'39	6°3'1	28°3'5	24°4'2	4°2'4	26°2'39	22°2'12	21°0'2	16°3'7	28°1'0	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	8n 5	16n40	3s 3	16n55	2n19	5s13	1s26	25n15	1n45	10n26	1s 0	20s44	0s 7	2n29	0n47	11n 0
T 2	8 27	18 16	4 1	17 28	2 26	4 46	1 27	25 15	1 45	10 31	1 0	20 43	0 7	2 30	0 47	11 1
W 3	8 49	18 42	4 44	17 58	2 33	4 18	1 28	25 14	1 45	10 36	1 0	20 43	0 7	2 31	0 47	11 2
T 4	9 10	17 57	5 10	18 25	2 38	3 51	1 29	25 13	1 44	10 41	1 0	20 42	0 7	2 32	0 47	11 2
F 5	9 32	16 5	5 17	18 49	2 43	3 23	1 31	25 12	1 44	10 46	1 0	20 42	0 7	2 33	0 47	11 3
S 6	9 53	13 15	5 4	19 11	2 47	2 55	1 32	25 11	1 44	10 51	1 0	20 42	0 7	2 33	0 47	11 4
S 7	10 15	9 40	4 34	19 29	2 49	2 27	1 33	25 10	1 43	10 56	1 0	20 41	0 7	2 34	0 47	11 5
M 8	10 36	5 36	3 48	19 45	2 51	1 59	1 34	25 9	1 43	11 1	0 59	20 41	0 7	2 35	0 47	11 5
T 9	10 57	1 16	2 49	19 59	2 52	1 30	1 34	25 7	1 42	11 6	0 59	20 41	0 7	2 36	0 47	11 6
W10	11 18	3s 4	1 41	20 9	2 51	1 2	1 35	25 5	1 42	11 11	0 59	20 40	0 7	2 37	0 47	11 7
T 11	11 38	7 12	0 29	20 16	2 49	0 34	1 36	25 4	1 42	11 16	0 59	20 40	0 8	2 37	0 47	11 8
F 12	11 58	10 54	0n44	20 21	2 46	0 6	1 37	25 2	1 41	11 21	0 59	20 40	0 8	2 38	0 47	11 8
S 13	12 19	14 1	1 52	20 23	2 42	0n23	1 37	25 0	1 41	11 26	0 59	20 40	0 8	2 39	0 47	11 9
S 14	12 39	16 24	2 54	20 22	2 37	0 51	1 38	24 57	1 40	11 31	0 59	20 39	0 8	2 40	0 47	11 10
M15	12 58	17 58	3 47	20 19	2 30	1 20	1 38	24 55	1 40	11 36	0 59	20 39	0 8	2 40	0 47	11 11
T 16	13 18	18 41	4 28	20 13	2 22	1 48	1 38	24 52	1 40	11 41	0 59	20 39	0 8	2 41	0 47	11 12
W17	13 37	18 32	4 57	20 4	2 13	2 17	1 39	24 50	1 39	11 46	0 59	20 39	0 8	2 42	0 47	11 12
T 18	13 56	17 33	5 13	19 53	2 3	2 45	1 39	24 47	1 39	11 51	0 59	20 39	0 8	2 42	0 46	11 13
F 19	14 15	15 49	5 15	19 39	1 52	3 14	1 39	24 44	1 38	11 56	0 59	20 39	0 8	2 43	0 46	11 14
S 20	14 34	13 25	5 4	19 23	1 39	3 42	1 39	24 41	1 38	12 1	0 59	20 39	0 8	2 43	0 46	11 15
S 21	14 52	10 25	4 39	19 5	1 26	4 10	1 39	24 37	1 38	12 5	0 59	20 39	0 9	2 44	0 46	11 15
M22	15 11	6 56	4 2	18 44	1 11	4 38	1 39	24 34	1 37	12 10	0 59	20 38	0 9	2 45	0 46	11 16
T 23	15 29	3 4	3 13	18 22	0 56	5 7	1 39	24 30	1 37	12 15	0 59	20 38	0 9	2 45	0 46	11 17
W24	15 46	1n 2	2 12	17 59	0 40	5 35	1 38	24 27	1 37	12 20	0 59	20 38	0 9	2 46	0 46	11 18
T 25	16 4	5 13	1 3	17 34	0 23	6 3	1 38	24 23	1 36	12 25	0 59	20 38	0 9	2 46	0 46	11 18
F 26	16 21	9 15	0s11	17 8	0 6	6 30	1 38	24 19	1 36	12 29	0 59	20 38	0 9	2 47	0 46	11 19
S 27	16 38	12 54	1 26	16 41	0s11	6 58	1 37	24 14	1 35	12 34	0 59	20 39	0 9	2 47	0 46	11 20
S 28	16 54	15 53	2 38	16 14	0 29	7 26	1 37	24 10	1 35	12 39	0 59	20 39	0 9	2 48	0 46	11 20
M29	17 11	17 53	3 41	15 47	0 46	7 53	1 36	24 5	1 35	12 43	0 59	20 39	0 9	2 48	0 46	11 21
T 30	17n27	18n44	4s30	15n20	1s 4	8n21	1s35	24n 1	1n34	12n48	0s59	20s39	0s 9	2n49	0n46	11n22

Julian Day Number = 2286920.5, Delta T = 181.49 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°27'02, Lahiri = 17°34'02 Julian Calendar 1 Apr. 1549 == Greg. Calendar 11 Apr. 1549

ASTRODIENST EPHEMERIS for the year 1549

geocentric

MAY 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 13 21	19°8'44"01	6°58'18	14°R22	26°Y33	17°514	6°8'45	28°R35	24°R41	4°8'26	26°39	22°R 5	20°59	16°343	28°II15	W 1
T 2	15 17 17	20°41'48	20°54	13°8'50	27°46	17°49	6°59	28°34	24°40	4°28	26°40	22°2	20°56	16°50	28°20	T 2
F 3	15 21 14	21°39'32	5°19	13°20	28°58	18°24	7°14	28°34	24°39	4°30	26°40	21°59	20°53	16°57	28°26	F 3
S 4	15 25 10	22°37'16	19°31	12°54	0°8'11	18°59	7°28	28°33	24°38	4°32	26°41	21°D58	20°50	17°4	28°31	S 4
S 5	15 29 7	23°34'57	3°17'26	12°30	1°24	19°34	7°42	28°33	24°37	4°35	26°41	21°59	20°46	17°10	28°36	S 5
M 6	15 33 3	24°32'37	17°6	12°10	2°37	20°9	7°56	28°32	24°36	4°37	26°41	22°0	20°43	17°17	28°42	M 6
T 7	15 37 0	25°30'15	0°23'30	11°53	3°50	20°44	8°10	28°31	24°35	4°39	26°42	22°2	20°40	17°24	28°47	T 7
W 8	15 40 56	26°27'52	13°39	11°41	5°3	21°19	8°23	28°31	24°34	4°41	26°42	22°3	20°37	17°30	28°52	W 8
T 9	15 44 53	27°25'27	26°35	11°33	6°16	21°54	8°37	28°30	24°34	4°43	26°42	22°R 3	20°34	17°37	28°58	T 9
F 10	15 48 50	28°23'01	9°11'19	11°D30	7°29	22°29	8°51	28°29	24°33	4°45	26°42	22°2	20°31	17°44	29°3	F 10
S 11	15 52 46	29°20'34	21°51	11°30	8°42	23°5	9°5	28°27	24°32	4°47	26°42	21°58	20°27	17°51	29°9	S 11
S 12	15 56 43	0°II18'06	4°17'13	11°36	9°55	23°40	9°19	28°26	24°32	4°49	26°43	21°54	20°24	17°57	29°15	S 12
M13	16 0 39	1°15'36	16°26	11°45	11°8	24°15	9°33	28°25	24°31	4°52	26°43	21°47	20°21	18°4	29°20	M13
T14	16 4 36	2°13'06	28°31	12°0	12°21	24°51	9°46	28°23	24°31	4°54	26°43	21°40	20°18	18°11	29°26	T14
W15	16 8 32	3°10'34	10°32'29	12°19	13°34	25°26	10°0	28°22	24°30	4°56	26°43	21°33	20°15	18°17	29°32	W15
T16	16 12 29	4°8'02	22°23	12°42	14°47	26°1	10°14	28°20	24°30	4°58	26°43	21°26	20°12	18°24	29°37	T16
F17	16 16 25	5°5'28	4°15	13°9	16°0	26°37	10°27	28°19	24°30	5°0	26°43	21°20	20°8	18°31	29°43	F17
S18	16 20 22	6°2'54	16°10	13°41	17°13	27°12	10°41	28°17	24°29	5°2	26°R43	21°16	20°5	18°38	29°49	S18
S19	16 24 19	7°0'20	28°10	14°17	18°26	27°48	10°55	28°15	24°29	5°4	26°43	21°14	20°2	18°44	29°55	S19
M20	16 28 15	7°57'44	10°17'12	14°56	19°39	28°24	11°8	28°13	24°29	5°6	26°43	21°D14	19°59	18°51	0°50	M20
T21	16 32 12	8°55'08	22°47	15°40	20°53	28°59	11°21	28°11	24°29	5°8	26°43	21°14	19°56	18°58	0°6	T21
W22	16 36 8	9°52'31	5°Y33	16°28	22°6	29°35	11°35	28°9	24°29	5°10	26°43	21°16	19°52	19°5	0°12	W22
T23	16 40 5	10°49'54	18°43	17°19	23°19	0°II11	11°48	28°7	24°D29	5°12	26°43	21°R16	19°49	19°11	0°18	T23
F24	16 44 1	11°47'16	2°28'20	18°14	24°32	0°46	12°2	28°4	24°29	5°13	26°43	21°16	19°46	19°18	0°24	F24
S25	16 47 58	12°44'37	16°25	19°13	25°45	1°22	12°15	28°2	24°29	5°15	26°43	21°13	19°43	19°25	0°30	S25
S26	16 51 54	13°41'58	0°II54	20°15	26°58	1°58	12°28	28°0	24°29	5°17	26°42	21°9	19°40	19°31	0°36	S26
M27	16 55 51	14°39'19	15°44	21°21	28°11	2°34	12°41	27°57	24°29	5°19	26°42	21°2	19°37	19°38	0°42	M27
T28	16 59 48	15°36'39	0°54'46	22°30	29°25	3°10	12°54	27°54	24°29	5°21	26°42	20°54	19°33	19°45	0°48	T28
W29	17 3 44	16°33'57	15°51	23°42	0°II38	3°45	13°7	27°52	24°29	5°23	26°42	20°46	19°30	19°52	0°54	W29
T30	17 7 41	17°31'16	0°II49	24°57	1°51	4°21	13°20	27°49	24°30	5°24	26°41	20°39	19°27	19°58	1°0	T30
F31	17 11 37	18°II28'33	15°II31	26°8'16	3°II4	4°II57	13°8'33	27°34'6	24°II30	5°26	26°41	20°33	19°24	20°3	1°6	F31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n43	18n20	5s 1	14n54	1s20	8n48	1s35	23n56	1n34	12n53	0s59	20s39	0s 9	2n49	0n46	11n23
T 2	17 58	16 43	5 13	14 29	1 37	9 15	1 34	23 51	1 33	12 57	0 59	20 39	0 10	2 50	0 46	11 23
F 3	18 13	14 3	5 5	14 6	1 52	9 41	1 33	23 46	1 33	13 2	0 59	20 39	0 10	2 50	0 46	11 24
S 4	18 28	10 36	4 38	13 43	2 7	10 8	1 32	23 41	1 33	13 7	0 59	20 39	0 10	2 50	0 46	11 25
S 5	18 43	6 37	3 55	13 23	2 21	10 34	1 31	23 35	1 32	13 11	0 59	20 40	0 10	2 51	0 46	11 26
M 6	18 57	2 21	2 59	13 4	2 34	11 0	1 30	23 30	1 32	13 16	0 59	20 40	0 10	2 51	0 46	11 27
T 7	19 11	1s57	1 55	12 48	2 46	11 26	1 29	23 24	1 31	13 20	0 59	20 40	0 10	2 51	0 46	11 28
W 8	19 25	6 6	0 46	12 34	2 57	11 52	1 28	23 18	1 31	13 25	0 59	20 40	0 10	2 52	0 46	11 28
T 9	19 38	9 54	0n25	12 22	3 7	12 17	1 26	23 12	1 31	13 29	0 59	20 41	0 10	2 52	0 46	11 28
F 10	19 51	13 10	1 33	12 12	3 16	12 42	1 25	23 6	1 30	13 34	0 59	20 41	0 10	2 52	0 46	11 29
S 11	20 3	15 47	2 35	12 5	3 24	13 7	1 24	22 59	1 30	13 38	0 59	20 41	0 10	2 52	0 46	11 30
S 12	20 16	17 37	3 29	12 0	3 31	13 31	1 22	22 53	1 29	13 42	0 59	20 42	0 11	2 53	0 46	11 30
M13	20 28	18 37	4 13	11 58	3 36	13 56	1 21	22 46	1 29	13 47	0 59	20 42	0 11	2 53	0 46	11 31
T14	20 39	18 45	4 44	11 58	3 41	14 19	1 19	22 40	1 29	13 51	0 59	20 42	0 11	2 53	0 45	11 32
W15	20 50	18 3	5 3	12 1	3 44	14 43	1 18	22 33	1 28	13 55	0 59	20 43	0 11	2 53	0 45	11 32
T16	21 1	16 33	5 9	12 5	3 46	15 6	1 16	22 26	1 27	14 0	0 59	20 43	0 11	2 53	0 45	11 33
F17	21 12	14 22	5 1	12 12	3 48	15 29	1 14	22 19	1 28	14 4	0 59	20 44	0 11	2 53	0 45	11 34
S18	21 22	11 34	4 40	12 21	3 48	15 51	1 13	22 11	1 27	14 8	0 59	20 44	0 11	2 53	0 45	11 34
S19	21 32	8 16	4 7	12 32	3 48	16 13	1 11	22 4	1 26	14 12	0 59	20 45	0 11	2 53	0 45	11 35
M20	21 41	4 35	3 23	12 45	3 46	16 35	1 9	21 56	1 26	14 17	0 59	20 45	0 11	2 53	0 45	11 36
T21	21 50	0 37	2 28	13 0	3 44	16 56	1 7	21 48	1 26	14 21	0 59	20 46	0 11	2 53	0 45	11 36
W22	21 59	3n29	1 24	13 16	3 41	17 17	1 5	21 40	1 25	14 25	0 59	20 46	0 12	2 53	0 45	11 37
T23	22 7	7 34	0 14	13 34	3 37	17 37	1 3	21 32	1 25	14 29	0 59	20 47	0 12	2 53	0 45	11 37
F24	22 15	11 23	0s59	13 54	3 33	17 57	1 1	21 24	1 24	14 33	0 59	20 47	0 12	2 53	0 45	11 38
S25	22 23	14 42	2 11	14 14	3 27	18 17	0 59	21 16	1 24	14 37	0 59	20 48	0 12	2 53	0 45	11 39
S26	22 30	17 11	3 16	14 37	3 22	18 36	0 57	21 8	1 24	14 41	0 59	20 48	0 12	2 53	0 45	11 39
M27	22 37	18 35	4 10	15 0	3 15	18 54	0 55	20 59	1 23	14 45	0 59	20 49	0 12	2 53	0 45	11 40
T28	22 43	18 43	4 47	15 25	3 8	19 12	0 53	20 50	1 23	14 49	0 59	20 50	0 12	2 53	0 45	11 40
W29	22 49	17 31	5 4	15 50	3 0	19 30	0 51	20 41	1 22	14 53	0 59	20 50	0 12	2 53	0 45	11 41
T30	22 54	15 8	5 1	16 16	2 52	19 47	0 49	20 32	1 22	14 57	0 59	20 51	0 12	2 53	0 45	11 41
F31	23n 0	11n48	4s37	16n43	2s43	20n 3	0s47	20n23	1n21	15n 1	0s59	20s52	0s12	2n52	0n45	11n42

Julian Day Number = 2286950.5, Delta T = 181.31 sec

Ecliptic obliquity = 23°29'43", Nutation = 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°27'06", Lahiri = 17°34'06" Julian Calendar 1 May 1549 == Greg. Calendar 11 May 1549

ASTRODIENST EPHEMERIS for the year 1549

geocentric

JUNE 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 15 34	19°11'25.49	29°02'53	27°08'38	4°11'17	5°02'33	13°08'46	27°04'43	24°07'31	5°08'28	26°04'41	20°02'29	19°02'21	20°03'12	1°05'12	S 1
S 2	17 19 30	20°23'05	13°07'52	29° 4	5°31	6° 9	13°59	27°03'40	24°03'31	5°30	26°04'40	20°02'28	19°01'18	20°01'19	1°18	S 2
M 3	17 23 27	21°20'19	27°27	0°11'32	6°44	6°46	14°12	27°03'37	24°03'32	5°31	26°04'40	20°02'28	19°01'14	20°02'25	1°25	M 3
T 4	17 27 24	22°17'33	10°04'41	2° 3	7°57	7°22	14°24	27°03'34	24°03'32	5°33	26°04'40	20°02'28	19°01'11	20°03'32	1°31	T 4
W 5	17 31 20	23°14'46	23°37	3°38	9°10	7°58	14°37	27°03'31	24°03'33	5°35	26°03'39	20°02'28	19° 8	20°03'39	1°37	W 5
T 6	17 35 17	24°11'59	6°08'17	5°15	10°24	8°34	14°50	27°02'27	24°03'34	5°36	26°03'39	20°02'27	19° 5	20°04'5	1°43	T 6
F 7	17 39 13	25° 9'11	18°44	6°56	11°37	9°10	15° 2	27°02'24	24°03'34	5°38	26°03'38	20°02'24	19° 2	20°05'2	1°49	F 7
S 8	17 43 10	26° 6'22	1°07' 2	8°40	12°50	9°46	15°15	27°02'21	24°03'35	5°40	26°03'38	20°02'18	18°58	20°05'9	1°55	S 8
S 9	17 47 6	27° 3'33	13°11	10°26	14° 4	10°23	15°27	27°01'17	24°03'36	5°41	26°03'37	20° 9	18°55	21° 6	2° 1	S 9
M10	17 51 3	28° 0'44	25°15	12°16	15°17	10°59	15°39	27°01'14	24°03'37	5°43	26°03'37	19°59	18°52	21°12	2° 8	M10
T 11	17 54 59	28°57'55	7°03'13	14° 8	16°30	11°35	15°51	27°01'10	24°03'38	5°44	26°03'36	19°46	18°49	21°19	2°14	T 11
W12	17 58 56	29°55'05	19° 8	16° 2	17°44	12°12	16° 4	27° 7	24°03'39	5°46	26°03'36	19°34	18°46	21°26	2°20	W12
T 13	18 2 53	0°05'21.15	1°00' 0	18° 0	18°57	12°48	16°16	27° 3	24°04'0	5°47	26°03'35	19°22	18°43	21°33	2°26	T 13
F 14	18 6 49	1°49'25	12°52	19°59	20°10	13°24	16°28	26°59	24°04'1	5°49	26°03'34	19°12	18°39	21°39	2°32	F 14
S 15	18 10 46	2°46'36	24°46	22° 1	21°24	14° 1	16°39	26°55	24°04'2	5°50	26°03'34	19° 4	18°36	21°46	2°39	S 15
S 16	18 14 42	3°43'46	6°04'47	24° 5	22°37	14°37	16°51	26°51	24°04'4	5°52	26°03'33	18°59	18°33	21°53	2°45	S 16
M17	18 18 39	4°40'56	18°56	26°10	23°51	15°14	17° 3	26°48	24°04'5	5°53	26°03'32	18°56	18°30	21°59	2°51	M17
T 18	18 22 35	5°38'07	1°07'20	28°17	25° 4	15°51	17°15	26°44	24°04'6	5°54	26°03'32	18°55	18°27	22° 6	2°57	T 18
W19	18 26 32	6°35'18	14° 2	0°05'25	26°18	16°27	17°26	26°40	24°04'8	5°56	26°03'31	18°55	18°24	22°13	3° 4	W19
T 20	18 30 28	7°32'29	27° 8	2°34	27°31	17° 4	17°38	26°36	24°04'9	5°57	26°03'30	18°55	18°20	22°20	3°10	T 20
F 21	18 34 25	8°29'41	10°08'41	4°44	28°45	17°40	17°49	26°31	24°05'0	5°58	26°02'29	18°53	18°17	22°26	3°16	F 21
S 22	18 38 22	9°26'53	24°43	6°54	29°58	18°17	18° 1	26°27	24°05'2	5°59	26°02'29	18°50	18°14	22°33	3°22	S 22
S 23	18 42 18	10°24'05	9°11'14	9° 4	1°05'12	18°54	18°12	26°23	24°05'4	6° 1	26°02'28	18°44	18°11	22°40	3°28	S 23
M24	18 46 15	11°21'18	24° 9	11°13	2°25	19°31	18°23	26°19	24°05'5	6° 2	26°02'27	18°35	18° 8	22°46	3°35	M24
T 25	18 50 11	12°18'31	9°05'21	13°23	3°39	20° 7	18°34	26°15	24°05'7	6° 3	26°02'26	18°25	18° 4	22°53	3°41	T 25
W26	18 54 8	13°15'45	24°39	15°31	4°52	20°44	18°45	26°11	24°05'9	6° 4	26°02'25	18°14	18° 1	23° 0	3°47	W26
T 27	18 58 4	14°12'58	9°02'52	17°38	6° 6	21°21	18°56	26° 6	25° 0	6° 5	26°02'24	18° 4	17°58	23° 7	3°53	T 27
F 28	19 2 1	15°10'12	24°50	19°45	7°20	21°58	19° 7	26° 2	25° 2	6° 6	26°02'24	17°56	17°55	23°13	3°59	F 28
S 29	19 5 57	16° 7'26	9°07'24	21°50	8°33	22°35	19°17	25°58	25° 4	6° 7	26°02'23	17°50	17°52	23°20	4° 5	S 29
S 30	19 9 54	17°06'44.0	23°07'32	23°05'4	9°05'47	23°02'12	19°08'28	25°05'53	25°07' 6	6°08' 8	26°02'22	17°04'47	17°04'49	23°02'27	4°05'12	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	decl	lat	decl	lat
S 1	23n 4	7n51	3s56	17n11	2s34	20n19	0s44	20n14	1n21	15n 4	0s59	20s52	0s13	2n52	0n45	11n43	1s46	23s30	11s35	8s 1	7s35	16s53	17n37	5s53							
S 2	23 9	3 33	3 3	17 39	2 24	20 35	0 42	20 5	1 21	15 8	0 59	20 53	0 13	2 52	0 45	11 43	1 46	23 30	11 36	8 1	7 34	16 52	17 37	5 53							
M 3	23 13	0s49	2 0	18 8	2 14	20 50	0 40	19 55	1 20	15 12	0 59	20 54	0 13	2 52	0 45	11 44	1 46	23 31	11 36	8 1	7 33	16 51	17 36	5 53							
T 4	23 16	5 2	0 52	18 36	2 3	21 4	0 38	19 46	1 20	15 16	0 59	20 54	0 13	2 51	0 45	11 44	1 46	23 31	11 36	8 1	7 32	16 50	17 36	5 53							
W 5	23 19	8 56	0n17	19 5	1 53	21 18	0 35	19 36	1 19	15 19	0 59	20 55	0 13	2 51	0 45	11 45	1 46	23 32	11 36	8 1	7 31	16 49	17 36	5 53							
T 6	23 22	12 20	1 23	19 34	1 41	21 31	0 33	19 26	1 19	15 23	0 59	20 56	0 13	2 51	0 44	11 45	1 46	23 32	11 37	8 1	7 29	16 48	17 36	5 53							
F 7	23 24	15 7	2 25	20 2	1 30	21 44	0 30	19 16	1 19	15 27	0 59	20 57	0 13	2 50	0 44	11 46	1 46	23 33	11 37	7 59	7 28	16 47	17 36	5 53							
S 8	23 26	17 11	3 18	20 30	1 18	21 56	0 28	19 6	1 18	15 30	0 59	20 57	0 13	2 50	0 44	11 46	1 46	23 33	11 37	7 57	7 27	16 46	17 36	5 53							
S 9	23 28	18 26	4 2	20 58	1 7	22 7	0 26	18 56	1 18	15 34	0 59	20 58	0 13	2 50	0 44	11 47	1 46	23 34	11 38	7 54	7 26	16 45	17 36	5 53							
M10	23 29	18 50	4 34	21 24	0 55	22 18	0 23	18 45	1 17	15 37	0 59	20 59	0 13	2 49	0 44	11 47	1 46	23 34	11 38	7 50	7 24	16 44	17 36	5 53							
T 11	23 29	18 24	4 54	21 50	0 43	22 28	0 21	18 35	1 17	15 41	0 59	21 0	0 14	2 49	0 44	11 48	1 46	23 35	11 38	7 45	7 23	16 43	17 36	5 53							
W12	23 30	17 9	5 1	22 14	0 31	22 37	0 18	18 24	1 16	15 44	0 59	21 1	0 14	2 48	0 44	11 48	1 46	23 35	11 39	7 40	7 22	16 42	17 36	5 53							
T 13	23 30	15 11	4 55	22 37	0 20	22 46	0 16	18 13	1 16	15 48	0 59	21 1	0 14	2 48	0 44	11 48	1 47	23 35	11 39	7 36	7 21	16 41	17 35	5 53							
F 14	23 29	12 34	4 37	22 59	0 8	22 54	0 14	18 3	1 16	15 51	0 59	21 2	0 14	2 47	0 44	11 49	1 47	23 36	11 39	7 32	7 20	16 40	17 35	5 53							
S 15	23 28	9 26	4 6	23 18	0n 3	23 2	0 11	17 52	1 15	15 54	1 0	21 3	0 14	2 47	0 44	11 49	1 47	23 36	11 40	7 29	7 18	16 39	17 35	5 53							
S 16	23 27	5 54	3 24	23 36	0 14	23 9	0 9	17 40	1 15	15 58	1 0	21 4	0 14	2 46	0 44	11 50	1 47	23 37	11 40	7 27	7 17	16 38	17 35	5 53							
M17	23 25	2 4	2 32	23 51	0 25	23 15	0 6	17 29	1 14	16 1	1 0	21 5	0 14	2 46	0 44	11 50	1 47	23 37	11 40	7 26	7 16	16 37	17 35	5 53							
T 18	23 22	1n56	1 32	24 4	0 35	23 20	0 4	17 18	1 14	16 4	1 0	21 6	0 14	2 45	0 44	11 50	1 47	23 38	11 40	7 25	7 15	16 36	17 35	5 53							
W19	23 20	5 57	0 26	24 14	0 45	23 25	0 1	17 7	1 13	16 7	1 0	21 6	0 14	2 45	0 44	11 51	1 47	23 39	11 41	7 25	7 14	16 35	17 34	5 53							
T 20	23 17	9 48	0s43	24 22	0 54	23 29	0n 1	16 55	1 13	16 10	1 0	21 7	0 14	2 44	0 44	11 51	1 47	23 39	11 41	7 25	7 12	16 34	17 34	5 53							
F 21	23 13	13 17	1 53	24 27	1 2	23 33	0 3	16 43	1 13	16 14	1 0	21 8	0 15	2 44	0 44	11 52	1 47	23 40	11 41	7 25	7 11	16 33	17 34	5 54							
S 22	23 9	16 8	2 57	24 29	1 10	23 36	0 6	16 32	1 12	16 17	1 0	21 9	0 15	2 43	0 44	11 52	1 47	23 40	11 41	7 24	7 10	16 32	17 34	5 54							
S 23	23 5	18 3	3 53	24 28	1 18	23 38	0 8	16 20	1 12	16 20	1 0	21 10	0 15	2 42	0 44	11 52	1 47	23 41	11 42	7 21	7 9	16 31	17 33	5 54							
M24	23 0	18 48	4 34	24 25	1 24	23 39	0 11	16 8	1 11	16 23	1 0	21 11	0 15	2 42	0 44	11 53	1 47	23 41	11 42	7 18	7 8	16 30	17 33	5 54							
T 25	22 55	18 14	4 57	24 19	1 30	23 40	0 13	15 56	1 11	16 26	1 0	21 12	0 15	2 41	0 44	11 53	1 47	23 42	11 42	7 14	7 6	16 29	17 33	5 54							
W26	22 50	16 21	4 59	24 10	1 35	23 40	0 15	15 43	1 10	16 29	1 0	21 13	0 15	2 40	0 44	11 53	1 47	23 42	11 43	7 10	7 5	16 28	17 32	5 54							
T 27	22 44	13 20	4 39	23 58	1 39	23 39	0 18	15 31	1 10	16 32	1 0	21 14	0 15	2 39	0 44	11 54	1 47	23 43	11 43	7 6	7 4	16 27	17 32	5 54							
F 28	22 38	9 29	4 1	23 44	1 43	23 38	0 20	15 19	1 9	16 34	1 0	21 14	0 15	2 39	0 44	11 54	1 47	23 43	11 43	7 3	7 3	16 26	17 32	5 54							
S 29	22 31	5 10	3 8	23 27	1 45	23 35	0 22	15 6	1 9	16 37	1 0	21 15	0 15	2 38	0 44	11 54	1 47	23 44	11 43	7 1	7 1	16 25	17 31	5 55							
S 30	22n24	0n40	2s 4	23n 8	1n47	23n33	0n25	14n54	1n 9	16n40	1s 1	21s16	0s15	2n37	0n43	11n54	1s47	23s44	11s43	7s 0	7s 0	16s24	17n31	5s55							

ASTRODIENST EPHEMERIS for the year 1549

geocentric

JULY 1549 JC

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 13 51	18°51'54"	7°11'11"	25°56'11"	11°51'11"	23°04'49"	19°08'38"	25°R49	25°08'08"	6°08'09"	26°R21	17°R46	17°12'45"	23°03'34"	4°51'18"	M 1
T 2	19 17 47	18°59'08"	20°25'27"	27°57'12"	12°14'24"	24°26'19"	19°49'25"	25°03'44"	25°10'10"	6°10'10"	26°00'20"	17°12'46"	17°42'23"	23°40'42"	4°24'24"	T 2
W 3	19 21 44	19°56'22"	3°11'17"	29°56'13"	13°28'25"	25°03'19"	19°59'25"	25°40'25"	25°12'12"	6°11'26"	26°19'17"	17°46'17"	17°39'23"	23°47'43"	4°30'43"	W 3
T 4	19 25 40	20°53'37"	15°50'11"	1°05'53"	14°42'25"	25°40'20"	9°25'36"	25°14'14"	6°12'26"	18°17°44'	17°44'17°36'	17°36'23°54'	17°36'23°54'	4°36'43°36'	4°36'43°36'	T 4
F 5	19 29 37	21°50'51"	28°09'34"	3°49'15"	15°56'26"	26°17'20"	19°25°31'	25°16'25"	6°13'26"	17°17°40'	17°40'17°33'	17°40'17°33'	24°00'44°42'	4°42'44°42'	4°42'44°42'	F 5
S 6	19 33 33	22°48'07"	10°17'17"	5°43'17"	17°09'26"	26°54'20"	29°25°27'	25°18'25"	6°14'26"	16°17°33'	17°33'17°30'	17°33'17°30'	24°07'44°48'	4°48'44°48'	4°48'44°48'	S 6
S 7	19 37 30	23°45'22"	22°18'7"	35°18'23'	27°32'20"	39°25°22'	25°21'6"	14°26°15'	17°24'17°26'	24°14'44°54'	4°54'44°54'	4°54'44°54'	5°00'44°54'	5°00'44°54'	5°00'44°54'	S 7
M 8	19 41 26	24°42'39"	4°15'8"	9°25'19"	28°09'20"	49°25°18'	25°23'6"	15°26°14'	17°12'17°23'	24°21'5°00'	8°17°23'	17°23'24°21'	17°23'24°21'	5°00'44°54'	5°00'44°54'	M 8
T 9	19 45 23	25°39'55"	16°08'11"	14°11°14'	28°46'20"	58°25°13'	25°25'6"	16°26°13'	16°59'17°20'	24°27'5°00'	6°17°20'	17°20'24°27'	17°20'24°27'	5°00'44°54'	5°00'44°54'	T 9
W10	19 49 20	26°37'13"	28°01'13°01'	22°05'22°05'	29°23'21°08'	25°09'25°27'	6°17'26°12'	16°46'16°46'	17°17'24°34'	5°12'5°12'	W10					W10
T 11	19 53 16	27°34'31"	9°54'14°46'	23°19'00"	1°21°17'	25°05'25°30'	6°17'26°10'	16°33'17°14'	24°41'5°18'	5°18'5°18'	T 11					T 11
F 12	19 57 13	28°31'49"	21°49'16°30'	24°32'00"	38°21°26'	25°00'25°32'	6°18'26°09'	16°21'17°10'	24°48'5°24'	5°24'5°24'	F 12					F 12
S 13	20 01 09	29°29'09"	3°47'18°12'	25°46'1°15'	21°36'24°56'	25°35'6°19'	26°08'	16°12'17°07'	24°54'5°30'	5°30'5°30'	S 13					S 13
S 14	20 05 06	0°26'30"	15°51'19°52'	27°00'1°53'	21°45'24°51'	25°37'6°19'	26°07'	16°06'17°04'	25°01'5°36'	5°36'5°36'	S 14					S 14
M15	20 09 02	1°23'51"	28°05'21°30'	28°14'2°30'	21°53'24°47'	25°40'6°20'	26°06'	16°03'17°01'	25°08'5°42'	5°42'5°42'	M15					M15
T 16	20 12 59	2°21'14"	10°30'23°07'	29°28'3°08'	22°02'24°43'	25°42'6°20'	26°05'	16°D 2'16°58'	25°14'5°47'	5°47'5°47'	T 16					T 16
W17	20 16 55	3°18'38"	23°12'24°42'	0°42'3°45'	22°11'24°38'	25°45'6°21'	26°04'	16°02'16°55'	25°21'5°53'	5°53'5°53'	W17					W17
T 18	20 20 52	4°16'03"	6°15'26°15'	1°56'4°23'	22°19'24°34'	25°48'6°21'	26°03'	16°R 2'16°51'	25°28'5°59'	5°59'5°59'	T 18					T 18
F 19	20 24 49	5°13'29"	19°42'27°46'	3°10'5°01'	22°28'24°29'	25°50'6°22'	26°01'	16°01'16°48'	25°35'6°05'	6°05'6°05'	F 19					F 19
S 20	20 28 45	6°10'57"	3°36'29°16'	4°24'5°38'	22°36'24°25'	25°53'6°22'	26°00'	15°58'16°45'	25°41'6°10'	6°10'6°10'	S 20					S 20
S 21	20 32 42	7°08'26"	17°58'00"	44°5°38'	6°16'22°44'	24°21'25°56'	6°22'25°59'	15°53'16°42'	25°48'6°16'	6°16'6°16'	S 21					S 21
M22	20 36 38	8°05'56"	2°44'2°11'	6°52'6°54'	22°52'24°17'	25°59'6°23'	25°58'15°46'	16°39'25°55'	6°22'6°22'	6°22'6°22'	M22					M22
T 23	20 40 35	9°03'28"	17°50'3°35'	8°06'7°31'	23°00'24°12'	26°01'6°23'	25°57'15°37'	16°35'26°01'	6°27'6°27'	6°27'6°27'	T 23					T 23
W24	20 44 31	10°1'00"	3°06'4°58'	9°20'8°09'	23°07'24°08'	26°04'6°23'	25°55'15°28'	16°32'26°08'	6°33'6°33'	6°33'6°33'	W24					W24
T 25	20 48 28	10°58'34"	18°20'6°19'	10°35'8°47'	23°15'24°04'	26°07'6°23'	25°54'15°19'	16°29'26°15'	6°39'6°39'	6°39'6°39'	T 25					T 25
F 26	20 52 24	11°56'09"	3°23'7°38'	11°49'9°25'	23°22'24°00'	26°10'6°24'	25°53'15°11'	16°26'26°22'	6°44'6°44'	6°44'6°44'	F 26					F 26
S 27	20 56 21	12°53'45"	18°05'8°56'	13°03'10°03'	23°30'23°56'	26°13'6°24'	25°52'15°06'	16°23'26°28'	6°50'6°50'	6°50'6°50'	S 27					S 27
S 28	21 00 18	13°51'22"	2°21'10°11'	14°17'10°41'	23°37'23°52'	26°16'6°24'	25°50'15°03'	16°20'26°35'	6°55'6°55'	6°55'6°55'	S 28					S 28
M29	21 04 14	14°49'00"	16°08'11°24'	15°31'11°19'	23°44'23°48'	26°19'6°24'	25°49'15°D 3'	16°16'26°42'	7°00'7°00'	7°00'7°00'	M29					M29
T 30	21 08 11	15°46'39"	29°27'12°35'	16°45'11°57'	23°50'23°44'	26°22'6°24'	25°48'15°03'	16°13'26°48'	7°06'7°06'	7°06'7°06'	T 30					T 30
W31	21 12 07	16°44'19"	12°21'13°44'	18°00'12°35'	23°57'23°40'	26°25'6°R24'	25°46'15°R 4'	16°10'26°55'	7°11'7°11'	7°11'7°11'	W31					W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22n17	3s43	0s56	22n47	1n49	23n29	0n27	14n41	1n 8	16n43	1s 1	21s17	0s15	2n36	0n43	11n55
T 2	22 9	7 47	0n14	22 25	1 49	23 25	0 29	14 28	1 8	16 45	1 1	21 18	0 16	2 35	0 43	11 55
W 3	22 1	11 22	1 21	22 0	1 49	23 20	0 31	14 15	1 7	16 48	1 1	21 19	0 16	2 35	0 43	11 55
T 4	21 52	14 21	2 22	21 33	1 49	23 14	0 34	14 2	1 7	16 51	1 1	21 20	0 16	2 34	0 43	11 55
F 5	21 43	16 36	3 16	21 5	1 47	23 8	0 36	13 49	1 6	16 53	1 1	21 21	0 16	2 33	0 43	11 56
S 6	21 34	18 5	4 0	20 35	1 45	23 1	0 38	13 36	1 6	16 56	1 1	21 22	0 16	2 32	0 43	11 56
S 7	21 24	18 45	4 32	20 5	1 43	22 53	0 40	13 23	1 5	16 58	1 1	21 23	0 16	2 31	0 43	11 56
M 8	21 14	18 33	4 52	19 32	1 40	22 45	0 42	13 10	1 5	17 1	1 1	21 23	0 16	2 30	0 43	11 56
T 9	21 4	17 33	5 0	18 59	1 36	22 36	0 44	12 56	1 5	17 3	1 1	21 24	0 16	2 29	0 43	11 57
W10	20 53	15 48	4 54	18 25	1 32	22 26	0 46	12 43	1 4	17 6	1 1	21 25	0 16	2 28	0 43	11 57
T 11	20 42	13 23	4 46	17 50	1 28	22 16	0 48	12 29	1 4	17 8	1 1	21 26	0 16	2 27	0 43	11 57
F 12	20 30	10 24	4 5	17 14	1 23	22 5	0 50	12 15	1 3	17 10	1 2	21 27	0 16	2 26	0 43	11 57
S 13	20 18	6 59	3 24	16 38	1 17	21 53	0 52	12 2	1 3	17 13	1 2	21 28	0 17	2 25	0 43	11 57
S 14	20 6	3 15	2 33	16 1	1 11	21 41	0 54	11 48	1 2	17 15	1 2	21 29	0 17	2 24	0 43	11 57
M15	19 54	0n40	1 34	15 24	1 5	21 28	0 56	11 34	1 2	17 17	1 2	21 30	0 17	2 23	0 43	11 57
T 16	19 41	4 37	0 29	14 46	0 58	21 15	0 57	11 20	1 1	17 19	1 2	21 31	0 17	2 22	0 43	11 58
W17	19 28	8 27	0s38	14 8	0 51	21 1	0 59	11 6	1 1	17 21	1 2	21 31	0 17	2 21	0 43	11 58
T 18	19 14	11 59	1 45	13 29	0 44	20 46	1 1	10 52	1 0	17 23	1 2	21 32	0 17	2 20	0 43	11 58
F 19	19 0	15 0	2 49	12 50	0 36	20 30	1 2	10 38	1 0	17 25	1 2	21 33	0 17	2 19	0 43	11 58
S 20	18 46	17 15	3 44	12 12	0 28	20 14	1 4	10 23	1 0	17 27	1 2	21 34	0 17	2 18	0 43	11 58
S 21	18 32	18 30	4 28	11 33	0 20	19 58	1 5	10 9	0 59	17 29	1 3	21 35	0 17	2 17	0 43	11 58
M22	18 17	18 33	4 55	10 54	0 12	19 41	1 7	9 54	0 59	17 31	1 3	21 36	0 17	2 15	0 43	11 58
T 23	18 2	17 18	5 3	10 15	0 3	19 23	1 8	9 40	0 58	17 33	1 3	21 36	0 17	2 14	0 43	11 58
W24	17 47	14 49	4 49	9 37	0s 6	19 5	1 10	9 25	0 58	17 35	1 3	21 37	0 17	2 13	0 43	11 58
T 25	17 31	11 20	4 15	8 59	0 15	18 46	1 11	9 11	0 57	17 37	1 3	21 38	0 18	2 12	0 43	11 58
F 26	17 15	7 8	3 23	8 21	0 25	18 27	1 12	8 56	0 57	17 39	1 3	21 39	0 18	2 11	0 43	11 58
S 27	16 59	2 36	2 19	7 43	0 34	18 7	1 14	8 41	0 56	17 40	1 3	21 40	0 18	2 9	0 43	11 58
S 28	16 42	1s58	1 7	7 5	0 44	17 46	1 15	8 26	0 56	17 42	1 3	21 40	0 18	2 8	0 43	11 58
M29	16 26	6 16	0n 6	6 29	0 54	17 26	1 16	8 11	0 55	17 43	1 3	21 41	0 18	2 7	0 43	11 58
T 30	16 9	10 7	1 16	5 52	1 4	17 4	1 17	7 57	0 55	17 45	1 4	21 42	0 18	2 6	0 42	11 58
W31	15n51	13s21	2n21	5n17	1s14	16n42	1n18	7n41	0n54	17n47	1s 4	21s43	0s18	2n 5	0n42	11n58

Julian Day Number = 2287011.5, Delta T = 180.94 sec

Ecliptic obliquity = 23°29'43", Nutation = 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°27'14", Lahiri = 17°34'15" Julian Calendar 1 July 1549 == Greg. Calendar 11 July 1549

ASTRODIENST EPHEMERIS for the year 1549
geocentric

AUGUST 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	21 16 4	17 ⁰² 40'00	24 ¹¹ 54	14 ¹¹ 51	19 ⁰² 14	13 ¹¹ 13	24 ⁰⁸ 4	23 ⁰ R36	26 ¹¹ 28	6 ⁰ R24	25 ⁰ R45	15 ⁰ R 4	16 ⁰ 7	27 ⁰ 2	7 ⁰ 16	T 1
F 2	21 20 0	18 ⁰³ 39'42	7 ⁰ 11	15 ⁰ 55	20 ⁰ 28	13 ⁰ 51	24 ⁰ 10	23 ⁰ 32	26 ⁰ 32	6 ⁰ 24	25 ⁰ 44	15 ⁰ 2	16 ⁰ 4	27 ⁰ 9	7 ⁰ 22	F 2
S 3	21 23 57	19 ⁰³ 37'26	19 ⁰ 16	16 ⁰ 57	21 ⁰ 42	14 ⁰ 29	24 ⁰ 16	23 ⁰ 28	26 ⁰ 35	6 ⁰ 24	25 ⁰ 43	14 ⁰ 58	16 ⁰ 1	27 ⁰ 15	7 ⁰ 27	S 3
S 4	21 27 53	20 ⁰³ 35'10	1 ⁰ 13	17 ⁰ 56	22 ⁰ 57	15 ⁰ 7	24 ⁰ 22	23 ⁰ 25	26 ⁰ 38	6 ⁰ 24	25 ⁰ 41	14 ⁰ 52	15 ⁰ 57	27 ⁰ 22	7 ⁰ 32	S 4
M 5	21 31 50	21 ⁰³ 32'56	13 ⁰ 7	18 ⁰ 52	24 ⁰ 11	15 ⁰ 46	24 ⁰ 28	23 ⁰ 21	26 ⁰ 41	6 ⁰ 24	25 ⁰ 40	14 ⁰ 44	15 ⁰ 54	27 ⁰ 29	7 ⁰ 37	M 5
T 6	21 35 47	22 ⁰³ 30'43	24 ⁰ 59	19 ⁰ 46	25 ⁰ 25	16 ⁰ 24	24 ⁰ 34	23 ⁰ 17	26 ⁰ 44	6 ⁰ 23	25 ⁰ 39	14 ⁰ 34	15 ⁰ 51	27 ⁰ 36	7 ⁰ 42	T 6
W 7	21 39 43	23 ⁰² 28'31	6 ⁰ 53	20 ⁰ 36	26 ⁰ 40	17 ⁰ 2	24 ⁰ 39	23 ⁰ 14	26 ⁰ 48	6 ⁰ 23	25 ⁰ 38	14 ⁰ 24	15 ⁰ 48	27 ⁰ 42	7 ⁰ 47	W 7
T 8	21 43 40	24 ⁰² 26'21	18 ⁰ 49	21 ⁰ 24	27 ⁰ 54	17 ⁰ 40	24 ⁰ 44	23 ⁰ 10	26 ⁰ 51	6 ⁰ 23	25 ⁰ 36	14 ⁰ 15	15 ⁰ 45	27 ⁰ 49	7 ⁰ 52	T 8
F 9	21 47 36	25 ⁰² 24'12	0 ⁰ 18	22 ⁰ 8	29 ⁰ 8	18 ⁰ 19	24 ⁰ 50	23 ⁰ 7	26 ⁰ 54	6 ⁰ 23	25 ⁰ 35	14 ⁰ 7	15 ⁰ 41	27 ⁰ 56	7 ⁰ 57	F 9
S 10	21 51 33	26 ⁰² 22'05	12 ⁰ 57	22 ⁰ 48	0 ⁰ 23	18 ⁰ 57	24 ⁰ 55	23 ⁰ 4	26 ⁰ 58	6 ⁰ 22	25 ⁰ 34	14 ⁰ 1	15 ⁰ 38	28 ⁰ 2	8 ⁰ 2	S 10
S 11	21 55 29	27 ⁰¹ 19'59	25 ⁰ 12	23 ⁰ 24	1 ⁰ 37	19 ⁰ 36	24 ⁰ 59	23 ⁰ 0	27 ⁰ 1	6 ⁰ 22	25 ⁰ 32	13 ⁰ 57	15 ⁰ 35	28 ⁰ 9	8 ⁰ 6	S 11
M 12	21 59 26	28 ⁰¹ 17'55	7 ⁰ 35	23 ⁰ 57	2 ⁰ 51	20 ⁰ 14	25 ⁰ 4	22 ⁰ 57	27 ⁰ 5	6 ⁰ 22	25 ⁰ 31	13 ⁰ 55	15 ⁰ 32	28 ⁰ 16	8 ⁰ 11	M 12
T 13	22 3 22	29 ⁰¹ 15'53	20 ⁰ 11	24 ⁰ 25	4 ⁰ 6	20 ⁰ 53	25 ⁰ 9	22 ⁰ 54	27 ⁰ 8	6 ⁰ 21	25 ⁰ 30	13 ⁰ D55	15 ⁰ 29	28 ⁰ 23	8 ⁰ 16	T 13
W 14	22 7 19	0 ⁰ 13'52	3 ⁰ 0	24 ⁰ 48	5 ⁰ 20	21 ⁰ 31	25 ⁰ 13	22 ⁰ 51	27 ⁰ 11	6 ⁰ 21	25 ⁰ 28	13 ⁰ 56	15 ⁰ 26	28 ⁰ 29	8 ⁰ 21	W 14
T 15	22 11 15	1 ⁰ 11'54	16 ⁰ 7	25 ⁰ 7	6 ⁰ 34	22 ⁰ 10	25 ⁰ 17	22 ⁰ 48	27 ⁰ 15	6 ⁰ 20	25 ⁰ 27	13 ⁰ 58	15 ⁰ 22	28 ⁰ 36	8 ⁰ 25	T 15
F 16	22 15 12	2 ⁰ 9'57	29 ⁰ 33	25 ⁰ 20	7 ⁰ 49	22 ⁰ 48	25 ⁰ 21	22 ⁰ 45	27 ⁰ 18	6 ⁰ 20	25 ⁰ 26	13 ⁰ R58	15 ⁰ 19	28 ⁰ 43	8 ⁰ 30	F 16
S 17	22 19 9	3 ⁰ 8'03	13 ⁰ 20	25 ⁰ 28	9 ⁰ 3	23 ⁰ 27	25 ⁰ 25	22 ⁰ 42	27 ⁰ 22	6 ⁰ 19	25 ⁰ 25	13 ⁰ 58	15 ⁰ 16	28 ⁰ 49	8 ⁰ 34	S 17
S 18	22 23 5	4 ⁰ 6'11	27 ⁰ 30	25 ⁰ R30	10 ⁰ 18	24 ⁰ 6	25 ⁰ 28	22 ⁰ 39	27 ⁰ 26	6 ⁰ 19	25 ⁰ 23	13 ⁰ 56	15 ⁰ 13	28 ⁰ 56	8 ⁰ 39	S 18
M 19	22 27 2	5 ⁰ 4'20	12 ⁰ 28	1 ⁰ 25	11 ⁰ 32	24 ⁰ 45	25 ⁰ 32	22 ⁰ 37	27 ⁰ 29	6 ⁰ 18	25 ⁰ 22	13 ⁰ 52	15 ⁰ 10	29 ⁰ 3	8 ⁰ 43	M 19
T 20	22 30 58	6 ⁰ 2'32	26 ⁰ 48	25 ⁰ 16	12 ⁰ 47	25 ⁰ 23	25 ⁰ 35	22 ⁰ 34	27 ⁰ 33	6 ⁰ 17	25 ⁰ 21	13 ⁰ 47	15 ⁰ 7	29 ⁰ 10	8 ⁰ 47	T 20
W 21	22 34 55	7 ⁰ 0'45	11 ⁰ 46	25 ⁰ 0	14 ⁰ 1	26 ⁰ 2	25 ⁰ 38	22 ⁰ 32	27 ⁰ 36	6 ⁰ 17	25 ⁰ 20	13 ⁰ 42	15 ⁰ 3	29 ⁰ 16	8 ⁰ 51	W 21
T 22	22 38 51	7 ⁰ 59'01	26 ⁰ 46	24 ⁰ 37	15 ⁰ 16	26 ⁰ 41	25 ⁰ 41	22 ⁰ 29	27 ⁰ 40	6 ⁰ 16	25 ⁰ 18	13 ⁰ 37	15 ⁰ 0	29 ⁰ 23	8 ⁰ 56	T 22
F 23	22 42 48	8 ⁰ 57'18	11 ⁰ 39	24 ⁰ 8	16 ⁰ 30	27 ⁰ 20	25 ⁰ 44	22 ⁰ 27	27 ⁰ 43	6 ⁰ 15	25 ⁰ 17	13 ⁰ 33	14 ⁰ 57	29 ⁰ 30	9 ⁰ 0	F 23
S 24	22 46 44	9 ⁰ 55'37	26 ⁰ 16	23 ⁰ 32	17 ⁰ 45	27 ⁰ 59	25 ⁰ 46	22 ⁰ 24	27 ⁰ 47	6 ⁰ 15	25 ⁰ 16	13 ⁰ 30	14 ⁰ 54	29 ⁰ 36	9 ⁰ 4	S 24
S 25	22 50 41	10 ⁰ 53'58	10 ⁰ 32	22 ⁰ 51	18 ⁰ 59	28 ⁰ 38	25 ⁰ 48	22 ⁰ 22	27 ⁰ 51	6 ⁰ 14	25 ⁰ 15	13 ⁰ D29	14 ⁰ 51	29 ⁰ 43	9 ⁰ 8	S 25
M 26	22 54 38	11 ⁰ 52'20	24 ⁰ 22	22 ⁰ 3	20 ⁰ 14	29 ⁰ 17	25 ⁰ 50	22 ⁰ 20	27 ⁰ 54	6 ⁰ 13	25 ⁰ 13	13 ⁰ 29	14 ⁰ 47	29 ⁰ 50	9 ⁰ 12	M 26
T 27	22 58 34	12 ⁰ 50'44	7 ⁰ 46	21 ⁰ 11	21 ⁰ 28	29 ⁰ 56	25 ⁰ 52	22 ⁰ 18	27 ⁰ 58	6 ⁰ 12	25 ⁰ 12	13 ⁰ 30	14 ⁰ 44	29 ⁰ 57	9 ⁰ 16	T 27
W 28	23 2 31	13 ⁰ 49'10	20 ⁰ 45	20 ⁰ 14	22 ⁰ 43	0 ⁰ 35	25 ⁰ 54	22 ⁰ 16	28 ⁰ 2	6 ⁰ 11	25 ⁰ 11	13 ⁰ 32	14 ⁰ 41	0 ⁰ 33	9 ⁰ 19	W 28
T 29	23 6 27	14 ⁰ 47'37	3 ⁰ 12	19 ⁰ 15	23 ⁰ 57	1 ⁰ 15	25 ⁰ 56	22 ⁰ 14	28 ⁰ 5	6 ⁰ 10	25 ⁰ 10	13 ⁰ 33	14 ⁰ 38	0 ⁰ 10	9 ⁰ 23	T 29
F 30	23 10 24	15 ⁰ 46'06	15 ⁰ 41	18 ⁰ 13	25 ⁰ 12	1 ⁰ 54	25 ⁰ 57	22 ⁰ 13	28 ⁰ 9	6 ⁰ 10	25 ⁰ 8	13 ⁰ R34	14 ⁰ 35	0 ⁰ 17	9 ⁰ 27	F 30
S 31	23 14 20	16 ⁰ 44'37	27 ⁰ 17	17 ⁰ 10	26 ⁰ 26	2 ⁰ 33	25 ⁰ 58	22 ⁰ 11	28 ⁰ 13	6 ⁰ 9	25 ⁰ 7	13 ⁰ 33	14 ⁰ 32	0 ⁰ 24	9 ⁰ 30	S 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒	
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ASTRODIENST EPHEMERIS for the year 1549

geocentric

SEPTEMBER 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 18 17	17 ^h 43'09	9 ^h 34'5	16°R 8	27 ^h 41	3 ^h 12	25 ^h 59	22°R 9	28 ^h 17	6°R 8	25°R 6	13°R32	14 ^h 28	0 ^h 30	9 ^h 34	S 1
M 2	23 22 13	18°41'43	21°38	15 ^h 8	28°55	3°52	26° 0	22 ^h 8	28°20	6 ^h 7	25 ^h 5	13 ^h 29	14°25	0°37	9°37	M 2
T 3	23 26 10	19°40'19	3 ^h 30	14°12	0 ^h 10	4°31	26° 0	22° 6	28°24	6° 6	25° 4	13°25	14°22	0°44	9°41	T 3
W 4	23 30 7	20°38'57	15°26	13°21	1°25	5°11	26° 0	22° 5	28°28	6° 5	25° 3	13°21	14°19	0°50	9°44	W 4
T 5	23 34 3	21°37'36	27°27	12°37	2°39	5°50	26°R 0	22° 4	28°32	6° 3	25° 2	13°18	14°16	0°57	9°47	T 5
F 6	23 38 0	22°36'17	9 ^h 36	12° 0	3°54	6°30	26° 0	22° 3	28°35	6° 2	25° 0	13°15	14°12	1° 4	9°50	F 6
S 7	23 41 56	23°35'00	21°55	11°32	5° 8	7° 9	26° 0	22° 2	28°39	6° 1	24°59	13°12	14° 9	1°11	9°53	S 7
S 8	23 45 53	24°33'45	4 ^h 25	11°13	6°23	7°49	26° 0	22° 1	28°43	6° 0	24°58	13°11	14° 6	1°17	9°56	S 8
M 9	23 49 49	25°32'33	17° 6	11°D 4	7°37	8°28	25°59	22° 0	28°47	5°59	24°57	13°D11	14° 3	1°24	9°59	M 9
T 10	23 53 46	26°31'22	29°59	11° 5	8°52	9° 8	25°58	21°59	28°50	5°58	24°56	13°12	14° 0	1°31	10° 2	T 10
W11	23 57 42	27°30'13	13 ^h 8	11°16	10° 6	9°48	25°57	21°59	28°54	5°57	24°55	13°13	13°57	1°37	10° 5	W11
T 12	0 1 39	28°29'07	26°27	11°37	11°21	10°27	25°56	21°58	28°58	5°55	24°54	13°14	13°53	1°44	10° 7	T 12
F 13	0 5 35	29°28'03	10 ^h 12	12° 8	12°36	11° 7	25°54	21°58	29° 2	5°54	24°53	13°15	13°50	1°51	10°10	F 13
S 14	0 9 32	0 ^h 27'02	23°51	12°48	13°50	11°47	25°52	21°57	29° 6	5°53	24°52	13°16	13°47	1°58	10°12	S 14
S 15	0 13 29	1°26'03	7 ^h 55	13°37	15° 5	12°27	25°50	21°57	29° 9	5°51	24°51	13°R16	13°44	2° 4	10°15	S 15
M16	0 17 25	2°25'06	22°11	14°33	16°19	13° 7	25°48	21°57	29°13	5°50	24°50	13°15	13°41	2°11	10°17	M16
T 17	0 21 22	3°24'11	6 ^h 38	15°37	17°34	13°47	25°46	21°D57	29°17	5°49	24°49	13°14	13°38	2°18	10°20	T 17
W18	0 25 18	4°23'19	21°10	16°47	18°49	14°27	25°43	21°57	29°21	5°47	24°48	13°13	13°34	2°24	10°22	W18
T 19	0 29 15	5°22'29	5 ^h 44	18° 3	20° 3	15° 7	25°41	21°57	29°25	5°46	24°47	13°12	13°31	2°31	10°24	T 19
F 20	0 33 11	6°21'41	20°13	19°25	21°18	15°47	25°38	21°58	29°28	5°45	24°46	13°11	13°28	2°38	10°26	F 20
S 21	0 37 8	7°20'56	4 ^h 32	20°50	22°32	16°27	25°35	21°58	29°32	5°43	24°45	13°11	13°25	2°45	10°28	S 21
S 22	0 41 4	8°20'12	18°35	22°20	23°47	17° 8	25°31	21°58	29°36	5°42	24°44	13°D11	13°22	2°51	10°30	S 22
M23	0 45 1	9°19'31	2 ^h 18	23°52	25° 2	17°48	25°28	21°59	29°40	5°40	24°44	13°11	13°18	2°58	10°31	M23
T 24	0 48 58	10°18'51	15°40	25°28	26°16	18°28	25°24	22° 0	29°43	5°39	24°43	13°11	13°15	3° 5	10°33	T 24
W25	0 52 54	11°18'14	28°41	27° 5	27°31	19° 9	25°20	22° 0	29°47	5°37	24°42	13°12	13°12	3°11	10°35	W25
T 26	0 56 51	12°17'38	11 ^h 20	28°44	28°46	19°49	25°16	22° 1	29°51	5°36	24°41	13°12	13° 9	3°18	10°36	T 26
F 27	1 0 47	13°17'04	23°42	0 ^h 25	0 ^h 0	20°29	25°12	22° 2	29°54	5°34	24°40	13°R12	13° 6	3°25	10°38	F 27
S 28	1 4 44	14°16'32	5 ^h 51	2° 6	1°15	21°10	25° 8	22° 3	29°58	5°33	24°40	13°12	13° 3	3°32	10°39	S 28
S 29	1 8 40	15°16'02	17°49	3°49	2°29	21°50	25° 3	22° 4	0 ^h 2	5°31	24°39	13°D12	12°59	3°38	10°40	S 29
M30	1 12 37	16°15'34	29 ^h 42	5 ^h 32	3 ^h 44	22°31	24°58	22 ^h 6	0 ^h 6	5°30	24°38	13°12	12°56	3°45	10°41	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	4n52	17s56	5n13	2n40	3s 3	2n 5	1n16	0s41	0n39	18n12	1s 8	22s 0	0s20	1n20	0n42	11n51	S 1
M 2	4 29	16 38	5 11	3 19	2 46	1 34	1 15	0 57	0 38	18 12	1 8	22 0	0 20	1 18	0 42	11 50	M 2
T 3	4 6	14 38	4 55	3 57	2 28	1 4	1 14	0 14	0 38	18 12	1 8	22 0	0 20	1 17	0 42	11 50	T 3
W 4	3 43	12 0	4 26	4 35	2 9	0 33	1 12	1 30	0 37	18 12	1 8	22 1	0 20	1 15	0 42	11 50	W 4
T 5	3 20	8 51	3 46	5 10	1 49	0 2	1 11	1 46	0 36	18 12	1 8	22 1	0 20	1 14	0 42	11 49	T 5
F 6	2 56	5 17	2 55	5 42	1 29	0s29	1 10	2 2	0 36	18 12	1 8	22 1	0 20	1 12	0 42	11 49	F 6
S 7	2 33	1 27	1 55	6 11	1 9	1 0	1 8	2 18	0 35	18 11	1 9	22 1	0 20	1 11	0 42	11 48	S 7
S 8	2 10	2n30	0 48	6 37	0 50	1 31	1 7	2 34	0 35	18 11	1 9	22 2	0 20	1 9	0 42	11 48	S 8
M 9	1 47	6 24	0s22	6 58	0 30	2 2	1 5	2 50	0 34	18 11	1 9	22 2	0 20	1 8	0 42	11 48	M 9
T 10	1 23	10 4	1 32	7 14	0 12	2 33	1 4	3 7	0 34	18 11	1 9	22 2	0 21	1 6	0 42	11 47	T 10
W11	1 0	13 18	2 38	7 26	0n 5	3 3	1 2	3 23	0 33	18 10	1 9	22 2	0 21	1 5	0 42	11 47	W11
T 12	0 36	15 53	3 37	7 33	0 21	3 34	1 1	3 39	0 33	18 10	1 9	22 2	0 21	1 3	0 42	11 46	T 12
F 13	0 13	17 38	4 25	7 35	0 37	4 5	0 59	3 55	0 32	18 9	1 9	22 2	0 21	1 2	0 42	11 46	F 13
S 14	0s11	18 23	4 59	7 33	0 50	4 36	0 57	4 11	0 32	18 9	1 9	22 3	0 21	1 0	0 42	11 45	S 14
S 15	0 34	18 1	5 15	7 25	1 3	5 6	0 55	4 27	0 31	18 8	1 9	22 3	0 21	0 59	0 42	11 45	S 15
M16	0 58	16 31	5 13	7 14	1 14	5 37	0 53	4 43	0 31	18 8	1 10	22 3	0 21	0 57	0 42	11 44	M16
T 17	1 21	13 58	4 51	6 58	1 23	6 7	0 52	4 59	0 30	18 7	1 10	22 3	0 21	0 56	0 42	11 44	T 17
W18	1 45	10 32	4 10	6 38	1 32	6 37	0 50	5 15	0 30	18 6	1 10	22 3	0 21	0 54	0 42	11 43	W18
T 19	2 8	6 26	3 13	6 15	1 39	7 7	0 48	5 31	0 29	18 6	1 10	22 3	0 21	0 53	0 42	11 43	T 19
F 20	2 32	1 59	2 4	5 48	1 45	7 37	0 46	5 47	0 29	18 5	1 10	22 3	0 21	0 51	0 42	11 42	F 20
S 21	2 55	2s32	0 48	5 19	1 49	8 7	0 43	6 3	0 28	18 4	1 10	22 3	0 21	0 50	0 42	11 42	S 21
S 22	3 19	6 50	0n30	4 47	1 53	8 37	0 41	6 19	0 27	18 3	1 10	22 3	0 21	0 48	0 42	11 41	S 22
M23	3 42	10 40	1 44	4 12	1 55	9 6	0 39	6 35	0 27	18 2	1 10	22 3	0 21	0 47	0 42	11 41	M23
T 24	4 6	13 51	2 51	3 36	1 57	9 35	0 37	6 51	0 26	18 1	1 10	22 3	0 21	0 45	0 42	11 40	T 24
W25	4 29	16 14	3 47	2 57	1 58	10 4	0 35	7 7	0 26	18 0	1 10	22 3	0 21	0 44	0 42	11 40	W25
T 26	4 52	17 44	4 30	2 18	1 57	10 33	0 32	7 23	0 25	17 59	1 10	22 2	0 21	0 42	0 42	11 39	T 26
F 27	5 15	18 22	4 59	1 37	1 56	11 2	0 30	7 38	0 25	17 58	1 11	22 2	0 21	0 41	0 42	11 39	F 27
S 28	5 38	18 8	5 15	0 55	1 55	11 30	0 28	7 54	0 24	17 57	1 11	22 2	0 21	0 39	0 42	11 38	S 28
S 29	6 2	17 5	5 16	0 12	1 53	11 58	0 25	8 10	0 24	17 56	1 11	22 2	0 21	0 38	0 42	11 38	S 29
M30	6s25	15s18	5n 4	0s31	1n50	12s26	0n23	8s26	0n23	17n55	1s11	22s 2	0s21	0n36	0n42	11n37	M30

Julian Day Number = 2287073.5, Delta T = 180.58 sec

Ecliptic obliquity = 23°29'44, Nutation = 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°27'23, Lahiri = 17°34'23 Julian Calendar 1 Sept. 1549 == Greg. Calendar 11 Sept. 1549

ASTRODIENST EPHEMERIS for the year 1549
geocentric

OCTOBER 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	1 16 33	17 [♈] 15'07	11 [♋] 35	7 [♊] 15	4 [♋] 58	23 [♌] 12	24 [♍] R54	22 [♎] 3 7	0 [♏] 9	5 [♐] R28	24 [♑] R37	13 [♒] 12	12 [♓] 53	3 [♈] 52	10 [♉] 42	T 1
W 2	1 20 30	18 [♈] 14'42	23 [♋] 32	8 [♊] 58	6 [♋] 13	23 [♌] 52	24 [♍] 48	22 [♎] 9	0 [♏] 13	5 [♐] 26	24 [♑] 37	13 [♒] 13	12 [♓] 50	3 [♈] 58	10 [♉] 43	W 2
T 3	1 24 27	19 [♈] 14'19	5 [♋] 36	10 [♊] 41	7 [♋] 28	24 [♌] 33	24 [♍] 43	22 [♎] 10	0 [♏] 17	5 [♐] 25	24 [♑] 36	13 [♒] 13	12 [♓] 47	4 [♈] 5	10 [♉] 44	T 3
F 4	1 28 23	20 [♈] 13'58	17 [♋] 52	12 [♊] 24	8 [♋] 42	25 [♌] 14	24 [♍] 38	22 [♎] 12	0 [♏] 20	5 [♐] 23	24 [♑] 35	13 [♒] 14	12 [♓] 43	4 [♈] 12	10 [♉] 45	F 4
S 5	1 32 20	21 [♈] 13'38	0 [♋] 23	14 [♊] 7	9 [♋] 57	25 [♌] 55	24 [♍] 32	22 [♎] 14	0 [♏] 24	5 [♐] 22	24 [♑] 35	13 [♒] 15	12 [♓] 40	4 [♈] 19	10 [♉] 46	S 5
S 6	1 36 16	22 [♈] 13'21	13 [♋] 8	15 [♊] 50	11 [♋] 11	26 [♌] 35	24 [♍] 26	22 [♎] 15	0 [♏] 27	5 [♐] 20	24 [♑] 34	13 [♒] R15	12 [♓] 37	4 [♈] 25	10 [♉] 46	S 6
M 7	1 40 13	23 [♈] 13'05	26 [♋] 10	17 [♊] 32	12 [♋] 26	27 [♌] 16	24 [♍] 21	22 [♎] 17	0 [♏] 31	5 [♐] 18	24 [♑] 34	13 [♒] 15	12 [♓] 34	4 [♈] 32	10 [♉] 47	M 7
T 8	1 44 9	24 [♈] 12'52	9 [♋] 28	19 [♊] 14	13 [♋] 40	27 [♌] 57	24 [♍] 14	22 [♎] 19	0 [♏] 34	5 [♐] 17	24 [♑] 33	13 [♒] 14	12 [♓] 31	4 [♈] 39	10 [♉] 47	T 8
W 9	1 48 6	25 [♈] 12'41	23 [♋] 1	20 [♊] 55	14 [♋] 55	28 [♌] 38	24 [♍] 8	22 [♎] 22	0 [♏] 38	5 [♐] 15	24 [♑] 33	13 [♒] 12	12 [♓] 28	4 [♈] 45	10 [♉] 47	W 9
T 10	1 52 2	26 [♈] 12'31	6 [♋] 46	22 [♊] 36	16 [♋] 10	29 [♌] 19	24 [♍] 2	22 [♎] 24	0 [♏] 42	5 [♐] 13	24 [♑] 32	13 [♒] 11	12 [♓] 24	4 [♈] 52	10 [♉] 48	T 10
F 11	1 55 59	27 [♈] 12'24	20 [♋] 42	24 [♊] 17	17 [♋] 24	0 [♌] 0	23 [♍] 55	22 [♎] 26	0 [♏] 45	5 [♐] 12	24 [♑] 32	13 [♒] 9	12 [♓] 21	4 [♈] 59	10 [♉] 48	F 11
S 12	1 59 56	28 [♈] 12'19	4 [♋] 45	25 [♊] 57	18 [♋] 39	0 [♌] 41	23 [♍] 49	22 [♎] 29	0 [♏] 48	5 [♐] 10	24 [♑] 31	13 [♒] 8	12 [♓] 18	5 [♈] 6	10 [♉] R48	S 12
S 13	2 3 52	29 [♈] 12'17	18 [♋] 53	27 [♊] 36	19 [♋] 53	1 [♌] 23	23 [♍] 42	22 [♎] 31	0 [♏] 52	5 [♐] 8	24 [♑] 31	13 [♒] 7	12 [♓] 15	5 [♈] 12	10 [♉] 48	S 13
M14	2 7 49	0 [♌] 12'17	3 [♋] 4	29 [♊] 15	21 [♋] 8	2 [♌] 4	23 [♍] 35	22 [♎] 34	0 [♏] 55	5 [♐] 7	24 [♑] 30	13 [♒] D 6	12 [♓] 12	5 [♈] 19	10 [♉] 48	M14
T 15	2 11 45	1 [♌] 12'18	17 [♋] 16	0 [♌] 54	22 [♊] 22	2 [♌] 45	23 [♍] 28	22 [♎] 36	0 [♏] 59	5 [♐] 5	24 [♑] 30	13 [♒] 7	12 [♓] 9	5 [♈] 26	10 [♉] 47	T 15
W16	2 15 42	2 [♌] 12'22	1 [♋] 26	2 [♌] 32	23 [♊] 37	3 [♌] 26	23 [♍] 21	22 [♎] 39	1 [♏] 2	5 [♐] 3	24 [♑] 30	13 [♒] 8	12 [♓] 5	5 [♈] 32	10 [♉] 47	W16
T 17	2 19 38	3 [♌] 12'28	15 [♋] 32	4 [♌] 9	24 [♊] 51	4 [♌] 8	23 [♍] 14	22 [♎] 42	1 [♏] 6	5 [♐] 2	24 [♑] 29	13 [♒] 9	12 [♓] 2	5 [♈] 39	10 [♉] 47	T 17
F 18	2 23 35	4 [♌] 12'37	29 [♋] 33	5 [♌] 47	26 [♊] 6	4 [♌] 49	23 [♍] 7	22 [♎] 45	1 [♏] 9	5 [♐] 0	24 [♑] 29	13 [♒] 11	11 [♓] 59	5 [♈] 46	10 [♉] 46	F 18
S 19	2 27 31	5 [♌] 12'47	13 [♋] 24	7 [♌] 23	27 [♊] 20	5 [♌] 31	22 [♍] 59	22 [♎] 48	1 [♏] 12	4 [♐] 58	24 [♑] 29	13 [♒] R11	11 [♓] 56	5 [♈] 53	10 [♉] 46	S 19
S 20	2 31 28	6 [♌] 12'59	27 [♋] 4	9 [♌] 0	28 [♊] 35	6 [♌] 12	22 [♍] 52	22 [♎] 51	1 [♏] 15	4 [♐] 57	24 [♑] 29	13 [♒] 10	11 [♓] 53	5 [♈] 59	10 [♉] 45	S 20
M21	2 35 24	7 [♌] 13'13	10 [♋] 30	10 [♌] 35	29 [♊] 49	6 [♌] 54	22 [♍] 44	22 [♎] 55	1 [♏] 19	4 [♐] 55	24 [♑] 28	13 [♒] 9	11 [♓] 49	6 [♈] 6	10 [♉] 44	M21
T 22	2 39 21	8 [♌] 13'29	23 [♋] 41	12 [♌] 11	1 [♋] 4	7 [♌] 35	22 [♍] 37	22 [♎] 58	1 [♏] 22	4 [♐] 53	24 [♑] 28	13 [♒] 5	11 [♓] 46	6 [♈] 13	10 [♉] 43	T 22
W23	2 43 18	9 [♌] 13'47	6 [♋] 34	13 [♌] 46	2 [♋] 19	8 [♌] 17	22 [♍] 29	23 [♎] 1	1 [♏] 25	4 [♐] 51	24 [♑] 28	13 [♒] 1	11 [♓] 43	6 [♈] 19	10 [♉] 42	W23
T 24	2 47 14	10 [♌] 14'06	19 [♋] 11	15 [♌] 21	3 [♋] 33	8 [♌] 59	22 [♍] 21	23 [♎] 5	1 [♏] 28	4 [♐] 50	24 [♑] 28	12 [♓] 57	11 [♓] 40	6 [♈] 26	10 [♉] 41	T 24
F 25	2 51 11	11 [♌] 14'27	1 [♋] 32	16 [♌] 55	4 [♋] 48	9 [♌] 41	22 [♍] 13	23 [♎] 9	1 [♏] 31	4 [♐] 48	24 [♑] 28	12 [♓] 52	11 [♓] 37	6 [♈] 33	10 [♉] 40	F 25
S 26	2 55 7	12 [♌] 14'50	13 [♋] 41	18 [♌] 29	6 [♋] 2	10 [♌] 22	22 [♍] 5	23 [♎] 12	1 [♏] 35	4 [♐] 46	24 [♑] 28	12 [♓] 48	11 [♓] 34	6 [♈] 39	10 [♉] 39	S 26
S 27	2 59 4	13 [♌] 15'13	25 [♋] 39	20 [♌] 3	7 [♋] 17	11 [♌] 4	21 [♍] 57	23 [♎] 16	1 [♏] 38	4 [♐] 45	24 [♑] 28	12 [♓] 45	11 [♓] 30	6 [♈] 46	10 [♉] 37	S 27
M28	3 3 0	14 [♌] 15'39	7 [♋] 32	21 [♌] 36	8 [♋] 31	11 [♌] 46	21 [♍] 49	23 [♎] 20	1 [♏] 41	4 [♐] 43	24 [♑] 27	12 [♓] 44	11 [♓] 27	6 [♈] 53	10 [♉] 36	M28
T 29	3 6 57	15 [♌] 16'05	19 [♋] 23	23 [♌] 10	9 [♋] 45	12 [♌] 28	21 [♍] 41	23 [♎] 24	1 [♏] 44	4 [♐] 41	24 [♑] D27	12 [♓] D43	11 [♓] 24	7 [♈] 0	10 [♉] 34	T 29
W30	3 10 53	16 [♌] 16'33	1 [♋] 19	24 [♌] 42	11 [♋] 0	13 [♌] 10	21 [♍] 33	23 [♎] 28	1 [♏] 47	4 [♐] 40	24 [♑] 27	12 [♓] 44	11 [♓] 21	7 [♈] 6	10 [♉] 33	W30
T 31	3 14 50	17 [♌] 17'03	13 [♋] 23	26 [♌] 15	12 [♋] 14	13 [♌] 52	21 [♍] 25	23 [♎] 32	1 [♏] 50	4 [♐] 38	24 [♑] 28	12 [♓] 46	11 [♓] 18	7 [♈] 13	10 [♉] 31	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	decl	lat
T 1	6s47	12s52	4n39	1s15	1n46	12s53	0n21	8s41	0n22	17n53	1s11	22s 2	0s22	0n35	0n42	11n37	1s52	24s23	11s45	5s14	5s 6	14s40	16n27	6s38			
W 2	7 10	9 54	4 2	1 59	1 43	13 20	0 18	8 57	0 22	17 52	1 11	22 2	0 22	0 33	0 42	11 36	1 52	24 23	11 45	5 14	5 5	14 38	16 26	6 39			
T 3	7 33	6 28	3 14	2 44	1 38	13 47	0 16	9 12	0 21	17 51	1 11	22 1	0 22	0 32	0 42	11 36	1 52	24 23	11 45	5 14	5 4	14 37	16 25	6 40			
F 4	7 55	2 43	2 16	3 28	1 34	14 14	0 13	9 28	0 21	17 49	1 11	22 1	0 22	0 30	0 42	11 35	1 52	24 23	11 44	5 14	5 2	14 36	16 25	6 40			
S 5	8 18	1n14	1 11	4 13	1 29	14 40	0 11	9 43	0 20	17 48	1 11	22 1	0 22	0 29	0 42	11 35	1 52	24 23	11 44	5 14	5 1	14 35	16 24	6 41			
S 6	8 40	5 12	0 1	4 57	1 24	15 6	0 8	9 58	0 20	17 47	1 11	22 1	0 22	0 28	0 42	11 34	1 52	24 23	11 44	5 15	5 0	14 33	16 23	6 42			
M 7	9 3	9 1	1s11	5 41	1 18	15 31	0 6	10 14	0 19	17 45	1 11	22 0	0 22	0 26	0 42	11 33	1 52	24 23	11 44	5 14	4 59	14 32	16 22	6 42			
T 8	9 25	12 28	2 20	6 25	1 13	15 56	0 3	10 29	0 19	17 44	1 11	22 0	0 22	0 25	0 42	11 33	1 52	24 23	11 44	5 14	4 57	14 31	16 22	6 43			
W 9	9 47	15 18	3 23	7 9	1 7	16 21	0 0	10 44	0 18	17 42	1 11	22 0	0 22	0 23	0 42	11 32	1 52	24 23	11 43	5 14	4 56	14 30	16 21	6 44			
T 10	10 8	17 18	4 15	7 52	1 1	16 45	0s 2	10 59	0 17	17 41	1 11	21 59	0 22	0 22	0 42	11 32	1 52	24 23	11 43	5 13	4 55	14 28	16 20	6 44			
F 11	10 30	18 19	4 52	8 35	0 55	17 9	0 5	11 14	0 17	17 39	1 11	21 59	0 22	0 21	0 42	11 31	1 52	24 23	11 43	5 12	4 54	14 27	16 20	6 45			
S 12	10 52	18 12	5 13	9 18	0 48	17 32	0 7	11 29	0 16	17 37	1 11	21 59	0 22	0 19	0 42	11 31	1 52	24 23	11 43	5 12	4 52	14 26	16 19	6 46			
S 13	11 13	16 58	5 14	10 0	0 42	17 55	0 10	11 44	0 16	17 36	1 11	21 58	0 22	0 18	0 42	11 30	1 52	24 23	11 43	5 11	4 51	14 25	16 18	6 46			
M14	11 34	14 42	4 57	10 41	0 35	18 17	0 13	11 59	0 15	17 34	1 11	21 58	0 22	0 16	0 42	11 29	1 52	24 23	11 42	5 11	4 50	14 23	16 18	6 47			
T 15	11 55	11 32	4 22	11 22	0 29	18 39	0 15	12 14	0 15	17 32	1 11	21 58	0 22	0 15	0 42	11 29	1 52	24 22	11 42	5 11	4 49	14 22	16 17	6 48			
W16	12 16	7 43	3 30	12 2	0 22	19 1	0 18	12 28	0 14	17 30	1 11	21 57	0 22	0 14	0 42	11 28	1 52	24 22	11 42	5 12	4 47	14 21	16 16	6 48			
T 17	12 37	3 28	2 27	12 42	0 15	19 22	0 21	12 43	0 13	17 29	1 11	21 57	0 22	0 12	0 42	11 28	1 52	24 22	11 42	5 12	4 46	14 20	16 16	6 49			
F 18	12 57	0s57	1 15	13 21	0 9	19 42	0 23	12 57	0 13	17 27	1 11	21 56	0 22	0 11	0 42	11 27	1 52	24 22	11 41	5 13	4 45	14 18	16 15	6 50			
S 19	13 17	5 17	0n 1	13 59	0 2	20 2	0 26	13 12	0 12	17 25	1 11	21 56	0 22	0 10	0 42	11 27	1 52	24 22	11 41	5 13	4 44	14 17	16 14	6 50			
S 20	13 37	9 16	1 16	14 36	0s 5	20 21	0 28	13 26	0 12	17 23	1 11	21 55	0 22	0 9	0 42	11 26	1 52	24 22	11 41	5 13	4 42	14 16	16 14	6 51			
M21	13 57	12 43	2 25	15 13	0 11	20 40	0 31	13 40	0 11	17 21	1 11	21 55	0 22	0 7	0 42	11 26	1 52	24 22	11 41	5 12	4 41	14 15	16 13	6 52			
T 22	14 17	15 26	3 24	15 49	0 18	20 58	0 34	13 55	0 11	17 19	1 11	21 54	0 22	0 6	0 42	11 25	1 52	24 22	11 40	5 11	4 40	14 13	16 13	6 52			
W23	14 36	17 19	4 12	16 24	0 25	21 16	0 36	14 9	0 10	17 17	1 11	21 54	0 22	0 5	0 42	11 24	1 52	24 21	11 40	5 9	4 39	14 12	16 12	6 53			
T 24	14 55	18 18	4 47	16 58	0 31	21 33	0 39	14 23	0 9	17 15	1 11	21 53	0 22	0 4	0 42	11 24	1 52	24 21	11 40	5 7	4 37	14 11	16 12	6 54			
F 25	15 14	18 22	5 7	17 32	0 38	21 49	0 41	14 36	0 9	17 13	1 11	21 53	0 23	0 2	0 42	11 23	1 52	24 21	11 40	5 6	4 36	14 9	16 11	6 54			
S 26	15 33	17 36	5 13	18 5	0 44	22 5	0 44	14 50	0 8	17 12	1 11	21 52	0 23	0 1	0 42	11 23	1 52	24 21	11 39	5 4	4 35	14 8	16 10	6 55			
S 27	15 51	16 4	5 5	18 36	0 50	22 20	0 46	15 4	0 8	17 10	1 11	21 51	0 23	0s 0	0 42	11 22	1 52	24 21	11 39	5 3	4 34	14 7	16 10	6 56			
M28	16 9	13 51	4 44	19 7	0 57	22 35	0 49	15 17	0 7	17 8	1 11	21 51	0 23	0 1	0 42	11 22	1 52	24 20	11 39	5 2	4 32	14 6	16 9	6 56			
T 29	16 27	11 4	4 11	19 37	1 3	22 49	0 51	15 31	0 6	17 6	1 11	21 50	0 23	0 3	0 42	11 21	1 52	24 20	11 39	5 2	4 31	14 4	16 9	6 57			
W30	16 45	7 48	3 27	20 6	1 9	23 2	0 54	15 44	0 6	17 3	1 10	21 49	0 23	0 4	0 42	11 21	1 52	24 20	11 38	5 2	4 30	14 3	16 8	6 57			
T 31	17s 2	4s11	2n34	20s34	1s15	23s15	0s56	15s57	0n 5	17n 1	1s10	21s49	0s23	0s 5	0n42	11n20	1s52	24s20	11s38	5s 3	4s29	14s 2	16n 8	6s58			

ASTRODIENST EPHEMERIS for the year 1549

geocentric

NOVEMBER 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 18 47	18 ¹¹ 17'33	25 ¹¹ 41	27 ¹¹ 47	13 ¹¹ 29	14 ¹¹ 34	21 ¹¹ 17	23 ¹¹ 36	1 ¹¹ 53	4 ¹¹ 36	24 ¹¹ 28	12 ¹¹ 48	11 ¹¹ 15	7 ¹¹ 20	10 ¹¹ 29	F 1
S 2	3 22 43	19 ¹¹ 18'05	8 ¹¹ 17	29 ¹¹ 20	14 ¹¹ 43	15 ¹¹ 16	21 ¹¹ 8	23 ¹¹ 40	1 ¹¹ 55	4 ¹¹ 35	24 ¹¹ 28	12 ¹¹ R49	11 ¹¹ 11	7 ¹¹ 26	10 ¹¹ 28	S 2
S 3	3 26 40	20 ¹¹ 18'38	21 ¹¹ 13	0 ¹¹ 51	15 ¹¹ 58	15 ¹¹ 58	21 ¹¹ 0	23 ¹¹ 45	1 ¹¹ 58	4 ¹¹ 33	24 ¹¹ 28	12 ¹¹ 49	11 ¹¹ 8	7 ¹¹ 33	10 ¹¹ 26	S 3
M 4	3 30 36	21 ¹¹ 19'13	4 ¹¹ 32	2 ¹¹ 23	17 ¹¹ 12	16 ¹¹ 41	20 ¹¹ 52	23 ¹¹ 49	2 ¹¹ 1	4 ¹¹ 32	24 ¹¹ 28	12 ¹¹ 47	11 ¹¹ 5	7 ¹¹ 40	10 ¹¹ 24	M 4
T 5	3 34 33	22 ¹¹ 19'49	18 ¹¹ 12	3 ¹¹ 55	18 ¹¹ 26	17 ¹¹ 23	20 ¹¹ 44	23 ¹¹ 54	2 ¹¹ 4	4 ¹¹ 30	24 ¹¹ 28	12 ¹¹ 43	11 ¹¹ 2	7 ¹¹ 47	10 ¹¹ 22	T 5
W 6	3 38 29	23 ¹¹ 20'27	2 ¹¹ 12	5 ¹¹ 26	19 ¹¹ 41	18 ¹¹ 5	20 ¹¹ 36	23 ¹¹ 58	2 ¹¹ 7	4 ¹¹ 28	24 ¹¹ 28	12 ¹¹ 37	10 ¹¹ 59	7 ¹¹ 53	10 ¹¹ 19	W 6
T 7	3 42 26	24 ¹¹ 21'06	16 ¹¹ 27	6 ¹¹ 57	20 ¹¹ 55	18 ¹¹ 48	20 ¹¹ 28	24 ¹¹ 3	2 ¹¹ 9	4 ¹¹ 27	24 ¹¹ 28	12 ¹¹ 30	10 ¹¹ 55	8 ¹¹ 0	10 ¹¹ 17	T 7
F 8	3 46 22	25 ¹¹ 21'47	0 ¹¹ 51	8 ¹¹ 27	22 ¹¹ 9	19 ¹¹ 30	20 ¹¹ 19	24 ¹¹ 7	2 ¹¹ 12	4 ¹¹ 25	24 ¹¹ 29	12 ¹¹ 24	10 ¹¹ 52	8 ¹¹ 7	10 ¹¹ 15	F 8
S 9	3 50 19	26 ¹¹ 22'29	15 ¹¹ 20	9 ¹¹ 58	23 ¹¹ 24	20 ¹¹ 12	20 ¹¹ 11	24 ¹¹ 12	2 ¹¹ 14	4 ¹¹ 24	24 ¹¹ 29	12 ¹¹ 17	10 ¹¹ 49	8 ¹¹ 13	10 ¹¹ 12	S 9
S 10	3 54 16	27 ¹¹ 23'13	29 ¹¹ 46	11 ¹¹ 28	24 ¹¹ 38	20 ¹¹ 55	20 ¹¹ 3	24 ¹¹ 17	2 ¹¹ 17	4 ¹¹ 22	24 ¹¹ 29	12 ¹¹ 12	10 ¹¹ 46	8 ¹¹ 20	10 ¹¹ 10	S 10
M 11	3 58 12	28 ¹¹ 23'58	14 ¹¹ 6	12 ¹¹ 58	25 ¹¹ 52	21 ¹¹ 37	19 ¹¹ 55	24 ¹¹ 22	2 ¹¹ 20	4 ¹¹ 21	24 ¹¹ 30	12 ¹¹ 9	10 ¹¹ 43	8 ¹¹ 27	10 ¹¹ 7	M 11
T 12	4 2 9	29 ¹¹ 24'45	28 ¹¹ 16	14 ¹¹ 27	27 ¹¹ 7	22 ¹¹ 20	19 ¹¹ 47	24 ¹¹ 27	2 ¹¹ 22	4 ¹¹ 19	24 ¹¹ 30	12 ¹¹ D 8	10 ¹¹ 40	8 ¹¹ 34	10 ¹¹ 5	T 12
W 13	4 6 5	0 ¹¹ 25'34	12 ¹¹ 14	15 ¹¹ 56	28 ¹¹ 21	23 ¹¹ 3	19 ¹¹ 39	24 ¹¹ 32	2 ¹¹ 24	4 ¹¹ 18	24 ¹¹ 30	12 ¹¹ 9	10 ¹¹ 36	8 ¹¹ 40	10 ¹¹ 2	W 13
T 14	4 10 2	1 ¹¹ 26'24	26 ¹¹ 2	17 ¹¹ 25	29 ¹¹ 35	23 ¹¹ 45	19 ¹¹ 32	24 ¹¹ 37	2 ¹¹ 27	4 ¹¹ 16	24 ¹¹ 31	12 ¹¹ 10	10 ¹¹ 33	8 ¹¹ 47	9 ¹¹ 59	T 14
F 15	4 13 58	2 ¹¹ 27'15	9 ¹¹ 38	18 ¹¹ 53	0 ¹¹ 50	24 ¹¹ 28	19 ¹¹ 24	24 ¹¹ 42	2 ¹¹ 29	4 ¹¹ 15	24 ¹¹ 31	12 ¹¹ R 11	10 ¹¹ 30	8 ¹¹ 54	9 ¹¹ 56	F 15
S 16	4 17 55	3 ¹¹ 28'08	23 ¹¹ 3	20 ¹¹ 20	2 ¹¹ 4	25 ¹¹ 11	19 ¹¹ 16	24 ¹¹ 48	2 ¹¹ 31	4 ¹¹ 13	24 ¹¹ 32	12 ¹¹ 10	10 ¹¹ 27	9 ¹¹ 0	9 ¹¹ 53	S 16
S 17	4 21 51	4 ¹¹ 29'02	6 ¹¹ 17	21 ¹¹ 47	3 ¹¹ 18	25 ¹¹ 54	19 ¹¹ 8	24 ¹¹ 53	2 ¹¹ 34	4 ¹¹ 12	24 ¹¹ 32	12 ¹¹ 8	10 ¹¹ 24	9 ¹¹ 7	9 ¹¹ 50	S 17
M 18	4 25 48	5 ¹¹ 29'58	19 ¹¹ 20	23 ¹¹ 13	4 ¹¹ 32	26 ¹¹ 37	19 ¹¹ 1	24 ¹¹ 58	2 ¹¹ 36	4 ¹¹ 11	24 ¹¹ 33	12 ¹¹ 2	10 ¹¹ 21	9 ¹¹ 14	9 ¹¹ 47	M 18
T 19	4 29 45	6 ¹¹ 30'55	2 ¹¹ 12	24 ¹¹ 38	5 ¹¹ 47	27 ¹¹ 20	18 ¹¹ 53	25 ¹¹ 4	2 ¹¹ 38	4 ¹¹ 9	24 ¹¹ 33	11 ¹¹ 54	10 ¹¹ 17	9 ¹¹ 20	9 ¹¹ 44	T 19
W 20	4 33 41	7 ¹¹ 31'53	14 ¹¹ 52	26 ¹¹ 2	7 ¹¹ 1	28 ¹¹ 3	18 ¹¹ 46	25 ¹¹ 9	2 ¹¹ 40	4 ¹¹ 8	24 ¹¹ 34	11 ¹¹ 44	10 ¹¹ 14	9 ¹¹ 27	9 ¹¹ 41	W 20
T 21	4 37 38	8 ¹¹ 32'51	27 ¹¹ 19	27 ¹¹ 25	8 ¹¹ 15	28 ¹¹ 46	18 ¹¹ 39	25 ¹¹ 15	2 ¹¹ 42	4 ¹¹ 7	24 ¹¹ 34	11 ¹¹ 33	10 ¹¹ 11	9 ¹¹ 34	9 ¹¹ 38	T 21
F 22	4 41 34	9 ¹¹ 33'51	9 ¹¹ 35	28 ¹¹ 46	9 ¹¹ 29	29 ¹¹ 29	18 ¹¹ 32	25 ¹¹ 21	2 ¹¹ 44	4 ¹¹ 5	24 ¹¹ 35	11 ¹¹ 22	10 ¹¹ 8	9 ¹¹ 41	9 ¹¹ 34	F 22
S 23	4 45 31	10 ¹¹ 34'52	21 ¹¹ 40	0 ¹¹ 5	10 ¹¹ 43	0 ¹¹ 12	18 ¹¹ 25	25 ¹¹ 26	2 ¹¹ 46	4 ¹¹ 4	24 ¹¹ 35	11 ¹¹ 11	10 ¹¹ 5	9 ¹¹ 47	9 ¹¹ 31	S 23
S 24	4 49 27	11 ¹¹ 35'53	3 ¹¹ 36	1 ¹¹ 23	11 ¹¹ 58	0 ¹¹ 55	18 ¹¹ 18	25 ¹¹ 32	2 ¹¹ 48	4 ¹¹ 3	24 ¹¹ 36	11 ¹¹ 3	10 ¹¹ 1	9 ¹¹ 54	9 ¹¹ 27	S 24
M 25	4 53 24	12 ¹¹ 36'54	15 ¹¹ 27	2 ¹¹ 38	13 ¹¹ 12	1 ¹¹ 38	18 ¹¹ 11	25 ¹¹ 38	2 ¹¹ 50	4 ¹¹ 1	24 ¹¹ 37	10 ¹¹ 56	9 ¹¹ 58	10 ¹¹ 1	9 ¹¹ 24	M 25
T 26	4 57 20	13 ¹¹ 37'57	27 ¹¹ 16	3 ¹¹ 51	14 ¹¹ 26	2 ¹¹ 22	18 ¹¹ 4	25 ¹¹ 44	2 ¹¹ 52	4 ¹¹ 0	24 ¹¹ 38	10 ¹¹ 52	9 ¹¹ 55	10 ¹¹ 7	9 ¹¹ 20	T 26
W 27	5 1 17	14 ¹¹ 39'00	9 ¹¹ 9	5 ¹¹ 0	15 ¹¹ 40	3 ¹¹ 5	17 ¹¹ 58	25 ¹¹ 50	2 ¹¹ 54	3 ¹¹ 59	24 ¹¹ 38	10 ¹¹ 51	9 ¹¹ 52	10 ¹¹ 14	9 ¹¹ 17	W 27
T 28	5 5 14	15 ¹¹ 40'03	21 ¹¹ 10	6 ¹¹ 6	16 ¹¹ 54	3 ¹¹ 48	17 ¹¹ 51	25 ¹¹ 56	2 ¹¹ 55	3 ¹¹ 58	24 ¹¹ 39	10 ¹¹ D 51	9 ¹¹ 49	10 ¹¹ 21	9 ¹¹ 13	T 28
F 29	5 9 10	16 ¹¹ 41'07	3 ¹¹ 24	7 ¹¹ 7	18 ¹¹ 8	4 ¹¹ 32	17 ¹¹ 45	26 ¹¹ 2	2 ¹¹ 57	3 ¹¹ 57	24 ¹¹ 40	10 ¹¹ 51	9 ¹¹ 46	10 ¹¹ 28	9 ¹¹ 9	F 29
S 30	5 13 7	17 ¹¹ 42'11	15 ¹¹ 58	8 ¹¹ 3	19 ¹¹ 22	5 ¹¹ 15	17 ¹¹ D 39	26 ¹¹ 8	2 ¹¹ 59	3 ¹¹ D 56	24 ¹¹ 41	10 ¹¹ R 51	9 ¹¹ 42	10 ¹¹ 34	9 ¹¹ 6	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
F 1	17s19	0s19	1n32	21s 1	1s20	23s27	0s59	16s10	0n 5	16n59	1s10	21s48	0s23	0s 6	0n42	11n19	1s52	24s19	11s38	5s 4	4s27	14s 0	16n 7	6s59			
S 2	17 36	3n40	0 25	21 27	1 26	23 38	1 1	16 23	0 4	16 57	1 10	21 47	0 23	0 7	0 42	11 19	1 52	24 19	11 38	5 4	4 26	13 59	16 7	6 59			
S 3	17 52	7 35	0s46	21 52	1 31	23 48	1 3	16 36	0 3	16 55	1 10	21 47	0 23	0 8	0 42	11 18	1 52	24 19	11 37	5 4	4 25	13 58	16 6	7 0			
M 4	18 8	11 15	1 55	22 16	1 37	23 58	1 6	16 49	0 3	16 53	1 10	21 46	0 23	0 9	0 42	11 18	1 52	24 19	11 37	5 4	4 24	13 57	16 6	7 0			
T 5	18 24	14 24	3 0	22 39	1 42	24 7	1 8	17 1	0 2	16 51	1 10	21 45	0 23	0 10	0 43	11 17	1 52	24 18	11 37	5 2	4 22	13 55	16 6	7 1			
W 6	18 39	16 48	3 56	23 0	1 46	24 16	1 10	17 14	0 2	16 49	1 10	21 45	0 23	0 11	0 43	11 17	1 52	24 18	11 37	5 0	4 21	13 54	16 5	7 2			
T 7	18 54	18 12	4 38	23 21	1 51	24 23	1 13	17 26	0 1	16 47	1 10	21 44	0 23	0 12	0 43	11 16	1 52	24 18	11 36	4 57	4 20	13 53	16 5	7 2			
F 8	19 9	18 27	5 2	23 40	1 55	24 30	1 15	17 38	0 0	16 45	1 9	21 43	0 23	0 13	0 43	11 16	1 52	24 17	11 36	4 54	4 19	13 51	16 4	7 3			
S 9	19 23	17 30	5 8	23 58	1 59	24 36	1 17	17 50	0s 0	16 43	1 9	21 42	0 23	0 14	0 43	11 15	1 52	24 17	11 36	4 52	4 17	13 50	16 4	7 3			
S 10	19 37	15 27	4 54	24 15	2 3	24 42	1 19	18 2	0 1	16 41	1 9	21 41	0 23	0 15	0 43	11 15	1 52	24 17	11 36	4 50	4 16	13 49	16 4	7 4			
M11	19 51	12 27	4 22	24 30	2 7	24 47	1 21	18 14	0 1	16 39	1 9	21 41	0 23	0 16	0 43	11 14	1 52	24 16	11 36	4 49	4 15	13 47	16 3	7 4			
T 12	20 4	8 45	3 34	24 44	2 10	24 51	1 23	18 26	0 2	16 37	1 9	21 40	0 23	0 17	0 43	11 14	1 52	24 16	11 35	4 49	4 14	13 46	16 3	7 5			
W13	20 17	4 36	2 34	24 57	2 13	24 54	1 25	18 37	0 3	16 35	1 9	21 39	0 23	0 18	0 43	11 13	1 52	24 16	11 35	4 49	4 12	13 45	16 3	7 5			
T 14	20 30	0 16	1 26	25 9	2 16	24 56	1 27	18 49	0 3	16 33	1 9	21 38	0 23	0 19	0 43	11 13	1 52	24 15	11 35	4 49	4 11	13 44	16 2	7 6			
F 15	20 42	4s 2	0 14	25 19	2 18	24 58	1 28	19 0	0 4	16 31	1 8	21 37	0 23	0 20	0 43	11 13	1 52	24 15	11 35	4 50	4 10	13 42	16 2	7 6			
S 16	20 54	8 5	0n58	25 28	2 20	24 59	1 30	19 11	0 4	16 29	1 8	21 36	0 23	0 21	0 43	11 12	1 52	24 15	11 34	4 49	4 9	13 41	16 2	7 7			
S 17	21 5	11 40	2 6	25 35	2 21	24 59	1 32	19 21	0 5	16 27	1 8	21 35	0 24	0 22	0 43	11 12	1 52	24 14	11 34	4 48	4 7	13 40	16 1	7 7			
M18	21 16	14 37	3 6	25 41	2 22	24 59	1 34	19 32	0 6	16 26	1 8	21 34	0 24	0 23	0 43	11 11	1 52	24 14	11 34	4 46	4 6	13 38	16 1	7 8			
T 19	21 27	16 49	3 55	25 45	2 22	24 57	1 35	19 43	0 6	16 24	1 8	21 33	0 24	0 24	0 43	11 11	1 52	24 13	11 34	4 43	4 5	13 37	16 1	7 8			
W20	21 37	18 8	4 32	25 48	2 22	24 55	1 37	19 53	0 7	16 22	1 7	21 32	0 24	0 24	0 43	11 10	1 52	24 13	11 33	4 39	4 4	13 36	16 1	7 9			
T 21	21 47	18 33	4 55	25 50	2 21	24 52	1 38	20 3	0 8	16 20	1 7	21 31	0 24	0 25	0 43	11 10	1 52	24 13	11 33	4 35	4 2	13 34	16 1	7 9			
F 22	21 56	18 6	5 4	25 49	2 20	24 49	1 40	20 13	0 8	16 18	1 7	21 30	0 24	0 26	0 43	11 10	1 52	24 12	11 33	4 30	4 1	13 33	16 0	7 10			
S 23	22 5	16 49	4 59	25 48	2 18	24 44	1 41	20 23	0 9	16 17	1 7	21 29	0 24	0 27	0 43	11 9	1 52	24 12	11 33	4 26	4 0	13 32	16 0	7 10			
S 24	22 14	14 50	4 41	25 45	2 16	24 39	1 42	20 33	0 9	16 15	1 7	21 28	0 24	0 28	0 43	11 9	1 52	24 11	11 32	4 23	3 59	13 30	16 0	7 11			
M25	22 22	12 14	4 11	25 40	2 12	24 33	1 44	20 42	0 10	16 13	1 6	21 27	0 24	0 28	0 43	11 8	1 52	24 11	11 32	4 20	3 58	13 29	16 0	7 11			
T 26	22 29	9 9	3 31	25 34	2 8	24 27	1 45	20 51	0 11	16 12	1 6	21 26	0 24	0 29	0 43	11 8	1 52	24 10	11 32	4 19	3 56	13 28	16 0	7 11			
W27	22 37	5 41	2 41	25 27	2 3	24 19	1 46	21 0	0 11	16 10	1 6	21 25	0 24	0 30	0 43	11 8	1 51	24 10	11 32	4 18	3 55	13 26	15 59	7 12			
T 28	22 43	1 56	1 43	25 18	1 57	24 11	1 47	21 9	0 12	16 8	1 6	21 24	0 24	0 30	0 43	11 7	1 51	24 9	11 31	4 18	3 54	13 25	15 59	7 12			
F 29	22 50	1n58	0 40	25 8	1 50	24 3	1 48	21 18	0 13	16 7	1 6	21 23	0 24	0 31	0 43	11 7	1 51	24 9	11 31	4 18	3 52	13 24	15 59	7 12			
S 30	22s55	5n53	0s27	24s56	1s42	23s53	1s49	21s27	0s13	16n 5	1 s 5	21s22	0s24	0s32	0n43	11n 7	1s51	24s 8	11s31	4s18	3s51	13s22	15n59	7s13			

ASTRODIENST EPHEMERIS for the year 1549

geocentric

DECEMBER 1549 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 17 3	18°43'16	28°55	8°55	20°36	5°59	17°R33	26°314	3°0	3°R54	24°41	10°R50	9°39	10°41	9°R 2	S 1
M 2	5 21 0	19°44'21	12°20	9°40	21°50	6°42	17°B27	26°20	3° 2	3°B53	24°42	10°46	9°36	10°48	8°58	M 2
T 3	5 24 56	20°45'26	26°11	10°18	23° 4	7°26	17°21	26°26	3° 3	3°52	24°43	10°39	9°33	10°54	8°54	T 3
W 4	5 28 53	21°46'32	10°11	10°48	24°17	8° 9	17°16	26°32	3° 5	3°51	24°44	10°30	9°30	11° 1	8°50	W 4
T 5	5 32 50	22°47'39	25° 8	11° 9	25°31	8°53	17°11	26°39	3° 6	3°50	24°45	10°19	9°27	11° 8	8°46	T 5
F 6	5 36 46	23°48'45	10°1	11°20	26°45	9°37	17° 5	26°45	3° 7	3°49	24°46	10° 8	9°23	11°14	8°42	F 6
S 7	5 40 43	24°49'53	24°58	11°R20	27°59	10°20	17° 0	26°51	3° 9	3°48	24°47	9°57	9°20	11°21	8°38	S 7
S 8	5 44 39	25°51'01	9°250	11° 9	29°12	11° 4	16°56	26°58	3°10	3°48	24°48	9°49	9°17	11°28	8°34	S 8
M 9	5 48 36	26°52'09	24°29	10°47	0°26	11°48	16°51	27° 4	3°11	3°47	24°49	9°42	9°14	11°35	8°30	M 9
T 10	5 52 32	27°53'18	8°11	10°12	1°40	12°32	16°47	27°11	3°12	3°46	24°50	9°39	9°11	11°41	8°26	T 10
W11	5 56 29	28°54'28	22°54	9°26	2°53	13°16	16°42	27°17	3°13	3°45	24°51	9°38	9° 7	11°48	8°22	W11
T 12	6 0 25	29°55'38	6°37	8°30	4° 7	14° 0	16°38	27°24	3°14	3°44	24°52	9°38	9° 4	11°55	8°18	T 12
F 13	6 4 22	0°56'48	20° 1	7°24	5°21	14°44	16°34	27°31	3°15	3°43	24°53	9°38	9° 1	12° 1	8°14	F 13
S 14	6 8 19	1°57'59	3°11	6°10	6°34	15°28	16°31	27°37	3°16	3°43	24°54	9°36	8°58	12° 8	8°10	S 14
S 15	6 12 15	2°59'11	16° 4	4°52	7°48	16°12	16°27	27°44	3°17	3°42	24°55	9°32	8°55	12°15	8° 5	S 15
M16	6 16 12	4° 0'23	28°47	3°30	9° 1	16°56	16°24	27°51	3°18	3°41	24°56	9°24	8°52	12°21	8° 1	M16
T 17	6 20 8	5° 1'35	11°19	2° 9	10°14	17°41	16°21	27°57	3°18	3°41	24°58	9°14	8°48	12°28	7°57	T 17
W18	6 24 5	6° 2'47	23°43	0°51	11°28	18°25	16°18	28° 4	3°19	3°40	24°59	9° 0	8°45	12°35	7°53	W18
T 19	6 28 1	7° 3'59	5°57	29°137	12°41	19° 9	16°15	28°11	3°20	3°40	25° 0	8°46	8°42	12°42	7°48	T 19
F 20	6 31 58	8° 5'11	18° 4	28°31	13°54	19°53	16°12	28°18	3°20	3°39	25° 1	8°31	8°39	12°48	7°44	F 20
S 21	6 35 54	9° 6'23	0°3	27°32	15° 7	20°38	16°10	28°25	3°21	3°39	25° 2	8°16	8°36	12°55	7°40	S 21
S 22	6 39 51	10° 7'35	11°56	26°44	16°20	21°22	16° 8	28°32	3°21	3°38	25° 4	8° 4	8°33	13° 2	7°36	S 22
M23	6 43 48	11° 8'46	23°45	26° 5	17°34	22° 7	16° 6	28°39	3°21	3°38	25° 5	7°55	8°29	13° 8	7°32	M23
T 24	6 47 44	12° 9'57	5°33	25°36	18°47	22°51	16° 4	28°45	3°22	3°37	25° 6	7°48	8°26	13°15	7°27	T 24
W25	6 51 41	13°11'07	17°24	25°17	20° 0	23°36	16° 3	28°52	3°22	3°37	25° 8	7°44	8°23	13°22	7°23	W25
T 26	6 55 37	14°12'17	29°22	25° 7	21°12	24°20	16° 2	28°59	3°22	3°37	25° 9	7°43	8°20	13°28	7°19	T 26
F 27	6 59 34	15°13'26	11°32	25°D 7	22°25	25° 5	16° 0	29° 6	3°22	3°36	25°10	7°43	8°17	13°35	7°15	F 27
S 28	7 3 30	16°14'35	24° 1	25°15	23°38	25°50	16° 0	29°13	3°22	3°36	25°12	7°43	8°13	13°42	7°11	S 28
S 29	7 7 27	17°15'43	6°52	25°30	24°51	26°34	15°59	29°20	3°R22	3°36	25°13	7°41	8°10	13°49	7° 6	S 29
M30	7 11 23	18°16'50	20°11	25°53	26° 3	27°19	15°58	29°28	3°22	3°36	25°14	7°38	8° 7	13°55	7° 2	M30
T 31	7 15 20	19°17'57	4°11	26°12	27°16	28°14	15°58	29°35	3°22	3°36	25°16	7°32	8° 4	14°22	6°58	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23s 1	9n39	1s35	24s44	1s33	23s43	1s49	21s35	0s14	16n 4	1s 5	21s21	0s24	0s32	0n43	11n 6
M 2	23 6	13 3	2 39	24 30	1 22	23 32	1 50	21 43	0 14	16 3	1 5	21 20	0 24	0 33	0 43	11 6
T 3	23 10	15 51	3 36	24 16	1 11	23 20	1 51	21 51	0 15	16 1	1 5	21 19	0 24	0 33	0 43	11 6
W 4	23 14	17 45	4 21	24 1	0 58	23 8	1 51	21 59	0 16	16 0	1 4	21 18	0 24	0 34	0 43	11 5
T 5	23 18	18 34	4 51	23 45	0 44	22 55	1 52	22 6	0 16	15 59	1 4	21 16	0 24	0 34	0 43	11 5
F 6	23 21	18 7	5 1	23 29	0 28	22 41	1 52	22 13	0 17	15 57	1 4	21 15	0 24	0 35	0 44	11 5
S 7	23 24	16 25	4 51	23 12	0 12	22 27	1 53	22 20	0 18	15 56	1 4	21 14	0 25	0 35	0 44	11 5
S 8	23 26	13 38	4 21	22 55	0n 6	22 12	1 53	22 27	0 18	15 55	1 3	21 13	0 25	0 36	0 44	11 4
M 9	23 27	10 1	3 35	22 39	0 25	21 57	1 53	22 34	0 19	15 54	1 3	21 12	0 25	0 36	0 44	11 4
T 10	23 29	5 52	2 35	22 22	0 44	21 40	1 53	22 40	0 19	15 53	1 3	21 10	0 25	0 37	0 44	11 4
W11	23 29	1 29	1 27	22 6	1 4	21 23	1 53	22 47	0 20	15 52	1 2	21 9	0 25	0 37	0 44	11 4
T 12	23 30	2s53	0 16	21 50	1 24	21 6	1 53	22 53	0 21	15 51	1 2	21 8	0 25	0 37	0 44	11 3
F 13	23 29	7 0	0n55	21 34	1 43	20 48	1 53	22 58	0 21	15 50	1 2	21 7	0 25	0 38	0 44	11 3
S 14	23 29	10 42	2 1	21 20	2 2	20 29	1 52	23 4	0 22	15 50	1 2	21 6	0 25	0 38	0 44	11 3
S 15	23 28	13 49	3 0	21 6	2 19	20 10	1 52	23 9	0 23	15 49	1 1	21 4	0 25	0 38	0 44	11 3
M16	23 26	16 13	3 48	20 53	2 34	19 50	1 52	23 15	0 23	15 48	1 1	21 3	0 25	0 38	0 44	11 3
T 17	23 24	17 49	4 25	20 42	2 47	19 30	1 51	23 19	0 24	15 48	1 1	21 2	0 25	0 39	0 44	11 2
W18	23 21	18 32	4 49	20 32	2 58	19 9	1 51	23 24	0 25	15 47	1 1	21 0	0 25	0 39	0 44	11 2
T 19	23 18	18 23	4 59	20 24	3 6	18 48	1 50	23 28	0 25	15 46	1 0	20 59	0 25	0 39	0 44	11 2
F 20	23 15	17 24	4 55	20 17	3 12	18 26	1 49	23 32	0 26	15 46	1 0	20 58	0 25	0 39	0 44	11 2
S 21	23 11	15 39	4 38	20 13	3 15	18 4	1 48	23 36	0 26	15 46	1 0	20 56	0 25	0 39	0 44	11 2
S 22	23 6	13 15	4 10	20 11	3 17	17 41	1 47	23 40	0 27	15 45	0 59	20 55	0 25	0 40	0 44	11 2
M23	23 2	10 20	3 30	20 11	3 16	17 17	1 46	23 43	0 28	15 45	0 59	20 54	0 25	0 40	0 44	11 2
T 24	22 56	7 0	2 41	20 12	3 13	16 54	1 45	23 46	0 28	15 45	0 59	20 52	0 25	0 40	0 44	11 2
W25	22 50	3 22	1 45	20 16	3 9	16 29	1 44	23 49	0 29	15 45	0 59	20 51	0 26	0 40	0 44	11 2
T 26	22 44	0n25	0 44	20 21	3 4	16 5	1 42	23 52	0 30	15 45	0 58	20 50	0 26	0 40	0 44	11 2
F 27	22 37	4 16	0s20	20 27	2 57	15 40	1 41	23 54	0 30	15 44	0 58	20 48	0 26	0 40	0 44	11 1
S 28	22 30	8 1	1 25	20 35	2 50	15 14	1 39	23 57	0 31	15 44	0 58	20 47	0 26	0 40	0 44	11 1
S 29	22 23	11 31	2 28	20 44	2 42	14 48	1 38	23 59	0 31	15 45	0 57	20 45	0 26	0 40	0 44	11 1
M30	22 15	14 33	3 25	20 53	2 33	14 22	1 36	24 0	0 32	15 45	0 57	20 44	0 26	0 40	0 44	11 1
T 31	22s 6	16n52	4s12	21s 3	2n24	13s56	1s34	24s 2	0s33	15n45	0s57	20s43	0s26	0s40	0n44	11n 1

Julian Day Number = 2287164.5, Delta T = 180.03 sec

Ecliptic obliquity = 23°29'42", Nutation = 0°00'02", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°27'35", Lahiri = 17°34'36" Julian Calendar 1 Dec. 1549 == Greg. Calendar 11 Dec. 1549