



Astrodienst Ephemeris Tables for the year 1551

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 1551
geocentric

JANUARY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 18 19	20°3'40"	7°30'30"	29°35'35"	3°55'55"	3°R58	22°R42	9°55'4	8°5'7	5°R51	26°36	17°R31	18°41	24°40	18°R59	T 1
F 2	7 22 15	21° 5'13	21°13	0°358	5°10	3°538	22°II36	10° 1	8° 7	5°51	26°38	17°27	18°38	24°47	18°55	F 2
S 3	7 26 12	22° 6'20	4°46	2°21	6°25	3°19	22°30	10° 8	8°R 7	5°50	26°39	17°21	18°35	24°54	18°50	S 3
S 4	7 30 9	23° 7'26	18° 8	3°46	7°41	3° 0	22°24	10°15	8° 7	5°50	26°41	17°13	18°31	25° 0	18°46	S 4
M 5	7 34 5	24° 8'32	1°318	5°12	8°56	2°42	22°18	10°22	8° 7	5°50	26°42	17° 3	18°28	25° 7	18°42	M 5
T 6	7 38 2	25° 9'37	14°16	6°38	10°11	2°25	22°12	10°29	8° 7	5°50	26°43	16°53	18°25	25°14	18°37	T 6
W 7	7 41 58	26°10'41	26°59	8° 5	11°26	2° 8	22° 6	10°36	8° 7	5°D50	26°45	16°44	18°22	25°20	18°33	W 7
T 8	7 45 55	27°11'45	9°29	9°33	12°42	1°52	22° 1	10°43	8° 6	5°50	26°46	16°36	18°19	25°27	18°29	T 8
F 9	7 49 51	28°12'48	21°45	11° 1	13°57	1°37	21°56	10°51	8° 6	5°50	26°48	16°31	18°16	25°33	18°24	F 9
S 10	7 53 48	29°13'49	3°49	12°31	15°12	1°23	21°50	10°58	8° 6	5°50	26°49	16°27	18°12	25°40	18°20	S 10
S 11	7 57 44	0°14'50	15°44	14° 1	16°27	1° 9	21°46	11° 5	8° 5	5°51	26°51	16°D26	18° 9	25°47	18°16	S 11
M12	8 1 41	1°15'49	27°32	15°32	17°42	0°57	21°41	11°12	8° 5	5°51	26°52	16°27	18° 6	25°53	18°11	M12
T 13	8 5 38	2°16'48	9°Y19	17° 3	18°58	0°45	21°36	11°19	8° 4	5°51	26°54	16°28	18° 3	26° 0	18° 7	T 13
W14	8 9 34	3°17'45	21° 8	18°35	20°13	0°33	21°32	11°26	8° 4	5°51	26°56	16°30	18° 0	26° 7	18° 3	W14
T 15	8 13 31	4°18'41	3°6	20° 8	21°28	0°23	21°27	11°33	8° 3	5°51	26°57	16°R31	17°56	26°13	17°59	T 15
F 16	8 17 27	5°19'35	15°17	21°41	22°43	0°13	21°23	11°41	8° 2	5°52	26°59	16°30	17°53	26°20	17°55	F 16
S 17	8 21 24	6°20'29	27°47	23°16	23°58	0° 4	21°19	11°48	8° 2	5°52	27° 0	16°28	17°50	26°27	17°50	S 17
S 18	8 25 20	7°21'20	10°II40	24°50	25°14	29°II56	21°16	11°55	8° 1	5°52	27° 2	16°24	17°47	26°33	17°46	S 18
M19	8 29 17	8°22'11	23°58	26°26	26°29	29°49	21°12	12° 2	8° 0	5°53	27° 3	16°18	17°44	26°40	17°42	M19
T 20	8 33 13	9°23'00	7°42	28° 2	27°44	29°43	21° 9	12° 9	7°59	5°53	27° 5	16°12	17°41	26°47	17°38	T 20
W21	8 37 10	10°23'48	21°51	29°40	28°59	29°37	21° 6	12°16	7°58	5°54	27° 7	16° 6	17°37	26°53	17°34	W21
T 22	8 41 7	11°24'34	6°21	1°17	0°14	29°33	21° 3	12°24	7°57	5°54	27° 8	16° 1	17°34	27° 0	17°31	T 22
F 23	8 45 3	12°25'19	21° 5	2°56	1°29	29°29	21° 0	12°31	7°56	5°55	27°10	15°58	17°31	27° 6	17°27	F 23
S 24	8 49 0	13°26'03	5°17	4°35	2°44	29°25	20°58	12°38	7°55	5°55	27°12	15°56	17°28	27°13	17°23	S 24
S 25	8 52 56	14°26'45	20°47	6°16	4° 0	29°23	20°55	12°45	7°54	5°56	27°13	15°D55	17°25	27°20	17°19	S 25
M26	8 56 53	15°27'27	5°29	7°57	5°15	29°21	20°53	12°52	7°53	5°57	27°15	15°56	17°22	27°26	17°15	M26
T 27	9 0 49	16°28'07	19°59	9°38	6°30	29°20	20°51	13° 0	7°51	5°57	27°17	15°58	17°18	27°33	17°12	T 27
W28	9 4 46	17°28'46	4°12	11°21	7°45	29°D20	20°49	13° 7	7°50	5°58	27°18	15°59	17°15	27°40	17° 8	W28
T 29	9 8 42	18°29'24	18° 7	13° 5	9° 0	29°21	20°48	13°14	7°49	5°59	27°20	16°R 0	17°12	27°46	17° 5	T 29
F 30	9 12 39	19°30'01	1°44	14°49	10°15	29°22	20°47	13°21	7°47	6° 0	27°22	15°59	17° 9	27°53	17° 1	F 30
S 31	9 16 36	20°30'36	15°4	16°34	11°30	29°II24	20°II45	13°28	7°46	6° 1	27°23	15°57	17°10	28°0	16°58	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	decl lat	decl lat
T 1	21s59	10s21	3n55	23s21	0n 9	23s25	0n 1	27n19	3n53	23n 4	0s14	18s38	0s52	2s34	0n43	11n47
F 2	21 50	13 41	4 35	23 28	0 1	23 25	0s 1	27 20	3 53	23 4	0 13	18 37	0 52	2 34	0 43	11 47
S 3	21 41	16 15	4 59	23 35	0s 7	23 24	0 4	27 21	3 53	23 4	0 13	18 35	0 52	2 34	0 43	11 47
S 4	21 30	17 53	5 6	23 41	0 14	23 22	0 6	27 21	3 53	23 3	0 13	18 33	0 52	2 34	0 43	11 47
M 5	21 20	18 33	4 57	23 45	0 22	23 20	0 9	27 21	3 53	23 3	0 13	18 31	0 52	2 34	0 43	11 47
T 6	21 9	18 13	4 32	23 49	0 29	23 17	0 11	27 21	3 53	23 3	0 13	18 29	0 52	2 34	0 43	11 47
W 7	20 58	16 58	3 54	23 51	0 36	23 14	0 14	27 21	3 52	23 3	0 13	18 27	0 52	2 34	0 43	11 47
T 8	20 46	14 56	3 6	23 52	0 43	23 9	0 16	27 21	3 52	23 3	0 13	18 25	0 52	2 34	0 43	11 47
F 9	20 34	12 15	2 9	23 52	0 50	23 4	0 18	27 20	3 51	23 3	0 12	18 23	0 52	2 34	0 43	11 47
S 10	20 22	9 5	1 8	23 50	0 56	22 58	0 21	27 20	3 51	23 2	0 12	18 22	0 52	2 33	0 43	11 47
S 11	20 9	5 35	0 4	23 47	1 2	22 52	0 23	27 20	3 50	23 2	0 12	18 20	0 52	2 33	0 43	11 47
M12	19 55	1 54	1s 0	23 43	1 8	22 45	0 26	27 19	3 49	23 2	0 12	18 18	0 52	2 33	0 43	11 47
T 13	19 42	1n51	2 1	23 38	1 14	22 37	0 28	27 18	3 49	23 2	0 12	18 16	0 52	2 33	0 43	11 47
W14	19 28	5 32	2 57	23 31	1 20	22 28	0 30	27 17	3 48	23 2	0 12	18 14	0 53	2 32	0 43	11 47
T 15	19 14	9 2	3 46	23 23	1 25	22 19	0 33	27 17	3 47	23 2	0 11	18 12	0 53	2 32	0 43	11 48
F 16	18 59	12 12	4 26	23 13	1 30	22 9	0 35	27 16	3 46	23 2	0 11	18 10	0 53	2 32	0 43	11 48
S 17	18 44	14 55	4 55	23 2	1 34	21 58	0 37	27 15	3 45	23 2	0 11	18 8	0 53	2 32	0 43	11 48
S 18	18 29	16 59	5 10	22 50	1 39	21 47	0 39	27 14	3 44	23 2	0 11	18 6	0 53	2 31	0 44	11 48
M19	18 13	18 13	5 8	22 36	1 43	21 35	0 41	27 13	3 43	23 1	0 11	18 4	0 53	2 31	0 44	11 48
T 20	17 57	18 27	4 50	22 20	1 46	21 22	0 43	27 12	3 42	23 1	0 11	18 2	0 53	2 30	0 44	11 49
W21	17 41	17 33	4 13	22 4	1 50	21 9	0 45	27 10	3 41	23 1	0 10	18 0	0 53	2 30	0 44	11 49
T 22	17 24	15 30	3 20	21 45	1 53	20 55	0 48	27 9	3 40	23 1	0 10	17 58	0 53	2 30	0 44	11 49
F 23	17 7	12 25	2 12	21 26	1 56	20 41	0 50	27 8	3 38	23 1	0 10	17 56	0 53	2 29	0 44	11 49
S 24	16 50	8 31	0 54	21 4	1 58	20 26	0 51	27 7	3 37	23 1	0 10	17 54	0 53	2 29	0 44	11 49
S 25	16 32	4 4	0n27	20 42	2 0	20 10	0 53	27 6	3 36	23 1	0 10	17 52	0 53	2 28	0 44	11 50
M26	16 14	0s34	1 45	20 17	2 2	19 54	0 55	27 4	3 35	23 1	0 10	17 50	0 53	2 28	0 44	11 50
T 27	15 56	5 7	2 56	19 52	2 3	19 37	0 57	27 3	3 33	23 1	0 9	17 48	0 53	2 27	0 44	11 50
W28	15 38	9 16	3 55	19 24	2 4	19 19	0 59	27 2	3 32	23 1	0 9	17 46	0 53	2 27	0 44	11 51
T 29	15 19	12 49	4 38	18 55	2 5	19 1	1 1	27 0	3 31	23 1	0 9	17 44	0 54	2 26	0 44	11 51
F 30	15 0	15 35	5 5	18 25	2 5	18 43	1 2	26 59	3 29	23 2	0 9	17 42	0 54	2 25	0 44	11 51
S 31	14s41	17s27	5n14	17s53	2s 5	18s24	1s 4	26n58	3n28	23n 2	0s 9	17s40	0s54	2s25	0n44	11n52

Julian Day Number = 2287560.5, Delta T = 177.69 sec

Ecliptic obliquity = 23°29'42", Nutation = - 0°00'03", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°28'30", Lahiri = 17°35'30" Julian Calendar 1 Jan. 1551 == Greg. Calendar 11 Jan. 1551

ASTRODIENST EPHEMERIS for the year 1551

geocentric

FEBRUARY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 20 32	21°31'11"	28°8' 8"	18°21' 12"	29°11' 27"	20°R44	13°36' 7°R44	6°8' 1	27°25' 15°R54	17°11' 2	28°11' 6	16°R55	S 1			
M 2	9 24 29	22°31'44"	10°58' 20° 8	14° 0' 29°31'	20°II44	13°43' 7°43	6° 2' 27°27'	15°11' 16°59'	28°13' 16°55'	M 2						
T 3	9 28 25	23°32'16"	23°34' 21°56'	15°15' 29°35'	20°43' 13°50'	7°41' 6° 3'	27°28' 15°47'	16°56' 28°20'	16°48' T 3							
W 4	9 32 22	24°32'46"	5°58' 23°45'	16°31' 29°40'	20°43' 13°57'	7°40' 6° 4'	27°30' 15°43'	16°53' 28°26'	16°45' W 4							
T 5	9 36 18	25°33'15"	18°12' 25°34'	17°46' 29°45'	20°D43	14° 4' 7°38'	6° 5' 27°32'	15°41' 16°50'	28°33' 16°42'	T 5						
F 6	9 40 15	26°33'42"	0°16' 27°25'	19° 1' 29°51'	20°43' 14°11'	7°36' 6° 6'	27°33' 15°39'	16°47' 28°40'	16°39' F 6							
S 7	9 44 11	27°34'07"	12°12' 29°16'	20°16' 29°58'	20°43' 14°18'	7°35' 6° 7'	27°35' 15°D38'	16°43' 28°46'	16°36' S 7							
S 8	9 48 8	28°34'30"	24° 3' 1°11' 8	21°31' 0°56'	20°43' 14°25'	7°33' 6° 8'	27°37' 15°38'	16°40' 28°53'	16°34' S 8							
M 9	9 52 5	29°34'52"	5°15' 3° 1' 22°46'	0°14' 20°44'	14°32' 7°31'	6° 9' 27°38'	15°39' 16°37'	28°59' 16°31'	M 9							
T 10	9 56 1	0°13'12"	17°37' 4°54'	24° 1' 0°23'	20°45' 14°39'	7°29' 6°10'	27°40' 15°40'	16°34' 29° 6'	16°28' T 10							
W11	9 59 58	1°35'30"	29°27' 6°48'	25°16' 0°32'	20°46' 14°46'	7°27' 6°12'	27°42' 15°42'	16°31' 29°13'	16°26' W11							
T 12	10 3 54	2°35'46"	11°18' 8°43'	26°31' 0°42'	20°47' 14°53'	7°25' 6°13'	27°43' 15°43'	16°27' 29°19'	16°23' T 12							
F 13	10 7 51	3°36'00"	23°35' 10°38'	27°46' 0°52'	20°49' 15° 0'	7°23' 6°14'	27°45' 15°44'	16°24' 29°26'	16°21' F 13							
S 14	10 11 47	4°36'12"	6°11' 1' 12°32'	29° 0' 1° 3'	20°50' 15° 7'	7°21' 6°15'	27°47' 15°R44'	16°21' 29°33'	16°19' S 14							
S 15	10 15 44	5°36'21"	18°48' 14°27'	0°11' 15' 1°15'	20°52' 15°14'	7°19' 6°17'	27°48' 15°44'	16°18' 29°39'	16°16' S 15							
M16	10 19 40	6°36'29"	2°50' 0' 16°21'	1°30' 1°27'	20°54' 15°21'	7°17' 6°18'	27°50' 15°43'	16°15' 29°46'	16°14' M16							
T 17	10 23 37	7°36'35"	15°38' 18°15'	2°45' 1°40'	20°56' 15°28'	7°15' 6°19'	27°52' 15°42'	16°12' 29°53'	16°12' T 17							
W18	10 27 34	8°36'38"	29°44' 20° 8'	4° 0' 1°53'	20°59' 15°35'	7°13' 6°21'	27°53' 15°41'	16° 8' 29°59'	16°10' W18							
T 19	10 31 30	9°36'39"	14°15' 22° 0'	5°15' 2° 7'	21° 1' 15°42'	7°11' 6°22'	27°55' 15°40'	16° 5' 0°11' 6	16° 8' T 19							
F 20	10 35 27	10°36'39"	29° 7' 23°50'	6°30' 2°21'	21° 4' 15°48'	7° 8' 6°23'	27°57' 15°40'	16° 2' 0°13'	16° 7' F 20							
S 21	10 39 23	11°36'36"	14°11' 12' 25°38'	7°45' 2°36'	21° 7' 15°55'	7° 6' 6°25'	27°58' 15°D40'	15°59' 0°19'	16° 5' S 21							
S 22	10 43 20	12°36'31"	29°22' 27°23'	8°59' 2°51'	21°10' 16° 2'	7° 4' 6°26'	28° 0' 15°40'	15°56' 0°26'	16° 3' S 22							
M23	10 47 16	13°36'24"	14°12' 29° 5'	10°14' 3° 6'	21°14' 16° 9'	7° 2' 6°28'	28° 2' 15°40'	15°53' 0°33'	16° 2' M23							
T 24	10 51 13	14°36'16"	29°19' 0°14'	11°29' 3°22'	21°17' 16°15'	6°59' 6°29'	28° 3' 15°40'	15°49' 0°39'	16° 1' T 24							
W25	10 55 9	15°36'06"	13°11' 51' 2°19'	12°44' 3°39'	21°21' 16°22'	6°57' 6°31'	28° 5' 15°R40'	15°46' 0°46'	15°59' W25							
T 26	10 59 6	16°35'54"	28° 0' 3°50'	13°59' 3°56'	21°25' 16°28'	6°55' 6°32'	28° 6' 15°40'	15°43' 0°53'	15°58' T 26							
F 27	11 3 2	17°35'41"	11°14' 44' 5°15'	15°13' 4°13'	21°29' 16°35'	6°52' 6°34'	28° 8' 15°D40'	15°40' 0°59'	15°57' F 27							
S 28	11 6 59	18°35'26"	25°11' 3' 6°13' 35'	16°11' 28' 4°31'	21°33' 16°42'	6°50' 6°36'	28°10' 15°11' 40'	15°11' 37' 1°11' 6	15°56' S 28							

Day	☉	☾		♀		♀		♂		♂		♂	♂	♂	♂		♂		♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	14s22	18s22	5n 7	17s20	2s 4	18s 4	1s 5	26n56	3n27	23n 2	0s 9	17s38	0s54	2s24	0n44	11n52	1s48	23s20	11s41	5n34	5n 8	1s40	14n56	7s32	
M 2	14 2	18 18	4 45	16 45	2 3	17 44	1 7	26 55	3 25	23 2	0 8	17 36	0 54	2 24	0 44	11 52	1 48	23 19	11 41	5 36	5 9	1 38	14 57	7 32	
T 3	13 42	17 21	4 9	16 8	2 1	17 23	1 8	26 54	3 24	23 2	0 8	17 34	0 54	2 23	0 44	11 53	1 48	23 18	11 41	5 37	5 10	1 36	14 58	7 32	
W 4	13 22	15 34	3 22	15 30	1 59	17 2	1 10	26 52	3 23	23 2	0 8	17 32	0 54	2 22	0 44	11 53	1 48	23 18	11 41	5 39	5 11	1 34	14 59	7 31	
T 5	13 2	13 6	2 26	14 51	1 56	16 40	1 11	26 51	3 21	23 2	0 8	17 30	0 54	2 22	0 44	11 53	1 48	23 17	11 41	5 40	5 13	1 32	15 0	7 31	
F 6	12 41	10 6	1 24	14 10	1 53	16 18	1 12	26 49	3 20	23 2	0 8	17 28	0 54	2 21	0 44	11 54	1 47	23 17	11 41	5 40	5 14	1 31	15 0	7 30	
S 7	12 21	6 42	0 19	13 27	1 49	15 56	1 14	26 48	3 18	23 2	0 8	17 26	0 54	2 20	0 44	11 54	1 47	23 16	11 41	5 41	5 15	1 29	15 1	7 30	
S 8	12 0	3 5	0s46	12 44	1 45	15 33	1 15	26 47	3 17	23 3	0 8	17 25	0 54	2 20	0 44	11 55	1 47	23 16	11 41	5 41	5 16	1 27	15 2	7 29	
M 9	11 39	0n39	1 50	11 58	1 40	15 9	1 16	26 45	3 16	23 3	0 7	17 23	0 54	2 19	0 44	11 55	1 47	23 15	11 41	5 40	5 18	1 25	15 3	7 29	
T 10	11 17	4 20	2 48	11 12	1 34	14 46	1 17	26 44	3 14	23 3	0 7	17 21	0 54	2 18	0 44	11 55	1 47	23 14	11 41	5 40	5 19	1 23	15 4	7 28	
W11	10 56	7 53	3 40	10 24	1 28	14 21	1 18	26 42	3 13	23 3	0 7	17 19	0 55	2 17	0 44	11 56	1 47	23 14	11 41	5 39	5 20	1 21	15 4	7 28	
T 12	10 34	11 8	4 23	9 35	1 21	13 57	1 19	26 41	3 11	23 4	0 7	17 17	0 55	2 16	0 44	11 56	1 47	23 13	11 41	5 39	5 21	1 19	15 5	7 27	
F 13	10 13	13 58	4 54	8 45	1 14	13 32	1 20	26 39	3 10	23 4	0 7	17 15	0 55	2 16	0 44	11 57	1 47	23 13	11 41	5 38	5 23	1 18	15 6	7 27	
S 14	9 51	16 13	5 13	7 53	1 6	13 6	1 21	26 38	3 8	23 4	0 7	17 13	0 55	2 15	0 44	11 57	1 47	23 12	11 42	5 38	5 24	1 16	15 7	7 26	
S 15	9 29	17 45	5 17	7 1	0 58	12 41	1 22	26 36	3 7	23 4	0 6	17 11	0 55	2 14	0 44	11 58	1 47	23 12	11 42	5 38	5 25	1 14	15 8	7 26	
M16	9 6	18 24	5 5	6 8	0 48	12 15	1 22	26 35	3 6	23 5	0 6	17 9	0 55	2 13	0 44	11 58	1 47	23 11	11 42	5 39	5 26	1 12	15 8	7 25	
T 17	8 44	18 1	4 36	5 15	0 39	11 48	1 23	26 33	3 4	23 5	0 6	17 7	0 55	2 12	0 44	11 59	1 47	23 11	11 42	5 39	5 28	1 10	15 9	7 24	
W18	8 22	16 32	3 49	4 21	0 28	11 22	1 24	26 32	3 3	23 5	0 6	17 5	0 55	2 11	0 44	11 59	1 47	23 10	11 42	5 39	5 29	1 8	15 10	7 24	
T 19	7 59	13 57	2 46	3 27	0 17	10 55	1 24	26 30	3 2	23 6	0 6	17 3	0 55	2 11	0 44	12 0	1 47	23 10	11 42	5 40	5 30	1 6	15 11	7 23	
F 20	7 36	10 23	1 31	2 33	0 6	10 27	1 25	26 29	3 0	23 6	0 6	17 1	0 55	2 10	0 44	12 0	1 47	23 9	11 42	5 40	5 31	1 4	15 12	7 23	
S 21	7 14	6 6	0 8	1 39	0n 6	10 0	1 25	26 27	2 59	23 6	0 6	16 59	0 56	2 9	0 44	12 1	1 47	23 9	11 42	5 40	5 33	1 3	15 12	7 22	
S 22	6 51	1 24	1n16	0 46	0 18	9 32	1 25	26 25	2 57	23 7	0 5	16 57	0 56	2 8	0 44	12 1	1 47	23 8	11 42	5 40	5 34	1 1	15 13	7 21	
M23	6 28	3s21	2 34	0n 7	0 31	9 4	1 26	26 24	2 56	23 7	0 5	16 55	0 56	2 7	0 44	12 2	1 47	23 8	11 42	5 40	5 35	0 59	15 14	7 21	
T 24	6 5	7 50	3 40	0 58	0 44	8 36	1 26	26 22	2 55	23 7	0 5	16 53	0 56	2 6	0 44	12 2	1 47	23 7	11 43	5 40	5 36	0 57	15 15	7 20	
W25	5 41	11 44	4 31	1 48	0 57	8 7	1 26	26 20	2 53	23 8	0 5	16 52	0 56	2 5	0 44	12 3	1 46	23 7	11 43	5 40	5 37	0 55	15 16	7 20	
T 26	5 18	14 50	5 3	2 36	1 10	7 38	1 26	26 18	2 52	23 8	0 5	16 50	0 56	2 4	0 44	12 3	1 46	23 6	11 43	5 40	5 39	0 53	15 16	7 19	
F 27	4 55	17 0	5 17	3 22	1 24	7 9	1 26	26 16	2 51	23 8	0 5	16 48	0 56	2 3	0 44	12 4	1 46	23 6	11 43	5 40	5 40	0 51	15 17	7 18	
S 28	4s31	18s10	5n14	4n 6	1n37	6s40	1s26	26n15	2n50	23n 9	0s 5	16s46	0s56	2s 2	0n44	12n 5	1s46	23s 5	11s43	5n40	5n41	0s50	15n18	7s18	

Julian Day Number = 2287591.5, Delta T = 177.50 sec

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

Ayanamsha: Fagan/Bradley = 18°28'34", Lahiri = 17°35'35" Julian Calendar 1 Feb. 1551 == Greg. Calendar 11 Feb. 1551

ASTRODIENST EPHEMERIS for the year 1551
geocentric

MARCH 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	11 10 56	19°35'09	8°31	7°48	17°43	4°49	21°37	16°48	6°47	6°37	28°11	15°40	15°33	1°12	15°55	S 1
M 2	11 14 52	20°34'50	20°39	8°56	18°58	5° 8	21°42	16°54	6°45	6°39	28°13	15°41	15°30	1°19	15°54	M 2
T 3	11 18 49	21°34'30	3°2	9°57	20°12	5°26	21°47	17° 1	6°43	6°41	28°14	15°41	15°27	1°26	15°54	T 3
W 4	11 22 45	22°34'08	15°12	10°50	21°27	5°46	21°52	17° 7	6°40	6°42	28°16	15°42	15°24	1°32	15°53	W 4
T 5	11 26 42	23°33'44	27°13	11°36	22°42	6° 5	21°57	17°13	6°38	6°44	28°17	15°43	15°21	1°39	15°53	T 5
F 6	11 30 38	24°33'18	9°6	12°15	23°56	6°25	22° 2	17°20	6°35	6°46	28°19	15°43	15°18	1°46	15°52	F 6
S 7	11 34 35	25°32'50	20°56	12°45	25°11	6°46	22° 7	17°26	6°33	6°48	28°21	15°43	15°14	1°52	15°52	S 7
S 8	11 38 31	26°32'19	2°44	13° 8	26°26	7° 7	22°13	17°32	6°30	6°50	28°22	15°43	15°11	1°59	15°52	S 8
M 9	11 42 28	27°31'47	14°31	13°23	27°40	7°28	22°19	17°38	6°27	6°51	28°24	15°41	15° 8	2° 6	15°51	M 9
T 10	11 46 25	28°31'13	26°22	13°R31	28°55	7°49	22°25	17°44	6°25	6°53	28°25	15°40	15° 5	2°12	15°50	T 10
W 11	11 50 21	29°30'37	8°17	13°30	0°Y 9	8°11	22°31	17°50	6°22	6°55	28°27	15°38	15° 2	2°19	15°52	W 11
T 12	11 54 18	0°Y29'58	20°19	13°22	1°24	8°33	22°37	17°56	6°20	6°57	28°28	15°35	14°58	2°26	15°52	T 12
F 13	11 58 14	1°29'17	2°II32	13° 7	2°38	8°55	22°43	18° 2	6°17	6°59	28°29	15°33	14°55	2°32	15°52	F 13
S 14	12 2 11	2°28'34	14°58	12°45	3°53	9°18	22°50	18° 8	6°15	7° 1	28°31	15°32	14°52	2°39	15°52	S 14
S 15	12 6 7	3°27'48	27°42	12°18	5° 7	9°41	22°57	18°14	6°12	7° 3	28°32	15°D31	14°49	2°46	15°53	S 15
M 16	12 10 4	4°27'00	10°47	11°44	6°22	10° 4	23° 3	18°19	6° 9	7° 5	28°34	15°31	14°46	2°52	15°54	M 16
T 17	12 14 0	5°26'10	24°15	11° 7	7°36	10°27	23°10	18°25	6° 7	7° 7	28°35	15°32	14°43	2°59	15°54	T 17
W 18	12 17 57	6°25'18	8°II 9	10°25	8°51	10°51	23°18	18°31	6° 4	7° 9	28°37	15°33	14°39	3° 6	15°55	W 18
T 19	12 21 54	7°24'23	22°29	9°40	10° 5	11°15	23°25	18°36	6° 2	7°11	28°38	15°35	14°36	3°12	15°56	T 19
F 20	12 25 50	8°23'26	7°II12	8°53	11°20	11°39	23°32	18°42	5°59	7°13	28°39	15°36	14°33	3°19	15°57	F 20
S 21	12 29 47	9°22'26	22°14	8° 5	12°34	12° 4	23°40	18°47	5°57	7°15	28°41	15°R36	14°30	3°25	15°58	S 21
S 22	12 33 43	10°21'24	7°II26	7°17	13°48	12°28	23°47	18°53	5°54	7°17	28°42	15°34	14°27	3°32	15°59	S 22
M 23	12 37 40	11°20'21	22°40	6°30	15° 3	12°53	23°55	18°58	5°51	7°19	28°43	15°32	14°24	3°39	16° 1	M 23
T 24	12 41 36	12°19'15	7°II45	5°44	16°17	13°19	24° 3	19° 3	5°49	7°21	28°45	15°29	14°20	3°45	16° 2	T 24
W 25	12 45 33	13°18'08	22°33	5° 1	17°31	13°44	24°11	19° 8	5°46	7°23	28°46	15°25	14°17	3°52	16° 3	W 25
T 26	12 49 29	14°16'58	6°II56	4°21	18°46	14°10	24°19	19°14	5°44	7°25	28°47	15°21	14°14	3°59	16° 5	T 26
F 27	12 53 26	15°15'47	20°51	3°45	20° 0	14°36	24°28	19°19	5°41	7°27	28°48	15°18	14°11	4° 5	16° 7	F 27
S 28	12 57 22	16°14'34	4°II18	3°13	21°14	15° 2	24°36	19°24	5°39	7°29	28°50	15°16	14° 8	4°12	16° 8	S 28
S 29	13 1 19	17°13'20	17°18	2°45	22°28	15°28	24°45	19°29	5°36	7°31	28°51	15°D15	14° 4	4°19	16°10	S 29
M 30	13 5 16	18°12'04	29°54	2°22	23°43	15°55	24°54	19°33	5°34	7°34	28°52	15°16	14° 1	4°25	16°12	M 30
T 31	13 9 12	19°Y10'46	12°II12	2°Y 5	24°Y57	16°II21	25°II 2	19°II38	5°II31	7°II36	28°II53	15°II17	13°II58	4°Y32	16°II14	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	decl	lat
S 1	4s 8	18s21	4n54	4n47	1n50	6s11	1s26	26n13	2n48	23n 9	0s 5	16s44	0s56	2s 1	0n44	12n 5	1s46	23s 5	11s43	5n40	5n42	0s48	15n18	7s17			
M 2	3 44	17 36	4 21	5 25	2 3	5 42	1 26	26 11	2 47	23 10	0 4	16 42	0 57	2 0	0 44	12 6	1 46	23 5	11 43	5 40	5 44	0 46	15 19	7 16			
T 3	3 21	16 1	3 36	6 1	2 15	5 12	1 25	26 8	2 46	23 10	0 4	16 40	0 57	1 59	0 44	12 6	1 46	23 4	11 43	5 39	5 45	0 44	15 20	7 16			
W 4	2 57	13 44	2 42	6 32	2 26	4 42	1 25	26 6	2 44	23 11	0 4	16 39	0 57	1 58	0 44	12 7	1 46	23 4	11 44	5 39	5 46	0 42	15 21	7 15			
T 5	2 34	10 53	1 41	7 1	2 37	4 12	1 25	26 4	2 43	23 11	0 4	16 37	0 57	1 57	0 44	12 8	1 46	23 3	11 44	5 39	5 47	0 40	15 21	7 14			
F 6	2 10	7 36	0 37	7 25	2 48	3 42	1 24	26 2	2 42	23 11	0 4	16 35	0 57	1 56	0 45	12 8	1 46	23 3	11 44	5 39	5 49	0 38	15 22	7 14			
S 7	1 46	4 3	0s29	7 46	2 57	3 12	1 24	26 0	2 41	23 12	0 4	16 33	0 57	1 55	0 45	12 9	1 46	23 3	11 44	5 39	5 50	0 36	15 23	7 13			
S 8	1 23	0 20	1 33	8 2	3 5	2 42	1 23	25 57	2 39	23 12	0 4	16 31	0 57	1 54	0 45	12 9	1 46	23 2	11 44	5 39	5 51	0 35	15 23	7 12			
M 9	0 59	3n23	2 33	8 14	3 12	2 12	1 23	25 55	2 38	23 13	0 3	16 30	0 57	1 53	0 45	12 10	1 46	23 2	11 44	5 39	5 52	0 33	15 24	7 12			
T 10	0 35	6 59	3 27	8 23	3 18	1 41	1 22	25 52	2 37	23 13	0 3	16 28	0 58	1 52	0 45	12 11	1 46	23 1	11 45	5 40	5 53	0 31	15 25	7 11			
W 11	0 12	10 19	4 12	8 26	3 22	1 11	1 21	25 50	2 36	23 14	0 3	16 26	0 58	1 51	0 45	12 11	1 46	23 1	11 45	5 41	5 55	0 29	15 25	7 10			
T 12	0n12	13 16	4 46	8 26	3 25	0 40	1 21	25 47	2 34	23 14	0 3	16 24	0 58	1 50	0 45	12 12	1 46	23 1	11 45	5 42	5 56	0 27	15 26	7 10			
F 13	0 36	15 40	5 8	8 21	3 26	0 10	1 20	25 45	2 33	23 15	0 3	16 23	0 58	1 49	0 45	12 13	1 46	23 0	11 45	5 42	5 57	0 25	15 27	7 9			
S 14	0 59	17 24	5 16	8 12	3 26	0n21	1 19	25 42	2 32	23 15	0 3	16 21	0 58	1 48	0 45	12 13	1 46	23 0	11 45	5 43	5 58	0 23	15 27	7 8			
S 15	1 23	18 19	5 9	7 59	3 23	0 51	1 18	25 39	2 31	23 16	0 3	16 19	0 58	1 47	0 45	12 14	1 46	23 0	11 46	5 43	6 0	0 21	15 28	7 8			
M 16	1 46	18 18	4 46	7 43	3 20	1 22	1 17	25 36	2 30	23 16	0 3	16 18	0 58	1 46	0 45	12 15	1 46	22 59	11 46	5 43	6 1	0 20	15 29	7 7			
T 17	2 10	17 16	4 7	7 23	3 14	1 52	1 16	25 33	2 29	23 17	0 3	16 16	0 58	1 45	0 45	12 15	1 46	22 59	11 46	5 43	6 2	0 18	15 29	7 6			
W 18	2 33	15 10	3 12	7 0	3 7	2 22	1 14	25 30	2 27	23 17	0 2	16 15	0 59	1 44	0 45	12 16	1 46	22 59	11 46	5 42	6 3	0 16	15 30	7 6			
T 19	2 57	12 6	2 4	6 34	2 58	2 53	1 13	25 27	2 26	23 18	0 2	16 13	0 59	1 43	0 45	12 17	1 46	22 58	11 47	5 42	6 5	0 14	15 30	7 5			
F 20	3 20	8 10	0 46	6 6	2 48	3 23	1 12	25 24	2 25	23 18	0 2	16 11	0 59	1 42	0 45	12 17	1 46	22 58	11 47	5 42	6 6	0 12	15 31	7 4			
S 21	3 43	3 39	0n37	5 36	2 36	3 53	1 11	25 20	2 24	23 19	0 2	16 10	0 59	1 41	0 44	12 18	1 46	22 58	11 47	5 42	6 7	0 10	15 32	7 4			
S 22	4 7	1s10	1 58	5 5	2 23	4 24	1 9	25 17	2 23	23 19	0 2	16 8	0 59	1 40	0 44	12 19	1 46	22 58	11 47	5 42	6 8	0 8	15 32	7 3			
M 23	4 30	5 54	3 10	4 34	2 9	4 54	1 8	25 13	2 22	23 20	0 2	16 7	0 59	1 39	0 44	12 19	1 45	22 57	11 47	5 43	6 9	0 6	15 33	7 2			
T 24	4 53	10 12	4 9	4 2	1 54	5 24	1 6	25 10	2 21	23 20	0 2	16 5	0 59	1 38	0 44	12 20	1 45	22 57	11 48	5 44	6 11	0 5	15 33	7 2			
W 25	5 16	13 47	4 49	3 31	1 39	5 54	1 5	25 6	2 20	23 20	0 2	16 4	1 0	1 37	0 44	12 21	1 45	22 57	11 48	5 46	6 12	0 3	15 34	7 1			
T 26	5 39	16 25	5 11	3 0	1 23	6 23	1 3	25 2	2 18	23 21	0 1	16 2	1 0	1 36	0 44	12 21	1 45	22 57	11 48	5 47	6 13	0 1	15 34	7 0			
F 27	6 1	17 59	5 12	2 31	1 7	6 53	1 2	24 58	2 17	23 21	0 1	16 1	1 0	1 35	0 44	12 22	1 45	22 56	11 48	5 48	6 14	0n 1	15 35	7 0			
S 28	6 24	18 29	4 57	2 3	0 50	7 22	1 0	24 54	2 16	23 22	0 1	15 59	1 0	1 34	0 44	12 23	1 45	22 56	11 49	5 49	6 16	0 3	15 35	6 59			
S 29	6 47	17 58	4 26	1 37	0 34	7 52	0 58	24 50	2 15	23 22	0 1	15 58	1 0	1 33	0 44	12 24	1 45	22 56	11 49	5 49	6 17	0 5	15 35	6 58			
M 30	7 9	16 34	3 44	1 13	0 17	8 21	0 57	24 46	2 14	23 23	0 1	15 57	1 0	1 32	0 44	12 24	1 45	22 56	11 49	5 49	6 18	0 7	15 36	6 58			
T 31	7n32	14s26	2n52	0n51	0n 2	8n50	0s55	24n42	2n13	23n23	0s 1	15s55	1s 0	1s31	0n44	12n25	1s45	22s56	11s49	5n49	6n19	0n 9	15n36	6s57			

ASTRODIENST EPHEMERIS for the year 1551
geocentric

APRIL 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 13 9	20°Y 9'26	24°16	1°R52	26°Y11	16°48	25°II11	19°43	5°R29	7°838	28°54	15°19	13°55	4°Y39	16°17	W 1
T 2	13 17 5	21° 8'05	6°10	1°Y45	27°25	17°15	25°20	19°48	5°26	7°40	28°55	15°20	13°52	4°45	16°19	T 2
F 3	13 21 2	22° 6'41	17°58	1°D43	28°39	17°43	25°30	19°52	5°24	7°42	28°57	15°R21	13°49	4°52	16°21	F 3
S 4	13 24 58	23° 5'16	29°45	1°46	29°54	18°10	25°39	19°57	5°21	7°44	28°58	15°20	13°45	4°59	16°24	S 4
S 5	13 28 55	24° 3'49	11°Y32	1°54	1°8 8	18°38	25°48	20° 1	5°19	7°47	28°59	15°17	13°42	5° 5	16°26	S 5
M 6	13 32 51	25° 2'21	23°23	2° 7	2°22	19° 6	25°58	20° 5	5°16	7°49	29° 0	15°12	13°39	5°12	16°29	M 6
T 7	13 36 48	26° 0'50	5°820	2°24	3°36	19°34	26° 7	20°10	5°14	7°51	29° 1	15° 5	13°36	5°19	16°31	T 7
W 8	13 40 45	26°59'18	17°24	2°47	4°50	20° 2	26°17	20°14	5°12	7°53	29° 2	14°58	13°33	5°25	16°34	W 8
T 9	13 44 41	27°57'43	29°36	3°13	6° 4	20°31	26°27	20°18	5° 9	7°56	29° 3	14°50	13°30	5°32	16°37	T 9
F 10	13 48 38	28°56'07	11°II59	3°44	7°18	20°59	26°37	20°22	5° 7	7°58	29° 4	14°42	13°26	5°39	16°40	F 10
S 11	13 52 34	29°54'28	24°33	4°19	8°32	21°28	26°47	20°26	5° 5	8° 0	29° 5	14°36	13°23	5°45	16°43	S 11
S 12	13 56 31	0°852'48	7°21	4°58	9°46	21°57	26°57	20°30	5° 2	8° 2	29° 6	14°31	13°20	5°52	16°46	S 12
M13	14 0 27	1°51'05	20°26	5°41	11° 0	22°26	27° 7	20°34	5° 0	8° 4	29° 7	14°29	13°17	5°59	16°50	M13
T 14	14 4 24	2°49'20	3°14	6°27	12°14	22°55	27°18	20°37	4°58	8° 7	29° 8	14°D28	13°14	6° 5	16°53	T 14
W15	14 8 20	3°47'34	17°33	7°17	13°28	23°24	27°28	20°41	4°56	8° 9	29° 8	14°29	13°10	6°12	16°56	W15
T 16	14 12 17	4°45'45	1°1838	8° 9	14°42	23°54	27°38	20°45	4°54	8°11	29° 9	14°30	13° 7	6°18	17° 0	T 16
F 17	14 16 14	5°43'54	16° 5	9° 6	15°56	24°24	27°49	20°48	4°52	8°13	29°10	14°R30	13° 4	6°25	17° 3	F 17
S 18	14 20 10	6°42'01	0°450	10° 5	17° 9	24°53	28° 0	20°51	4°50	8°16	29°11	14°29	13° 1	6°32	17° 7	S 18
S 19	14 24 7	7°40'06	15°49	11° 7	18°23	25°23	28°11	20°55	4°47	8°18	29°12	14°26	12°58	6°38	17°11	S 19
M20	14 28 3	8°38'09	0°1454	12°12	19°37	25°53	28°21	20°58	4°45	8°20	29°13	14°21	12°55	6°45	17°15	M20
T 21	14 32 0	9°36'11	15°56	13°19	20°51	26°23	28°32	21° 1	4°43	8°22	29°13	14°13	12°51	6°52	17°19	T 21
W22	14 35 56	10°34'11	0°1454	14°29	22° 5	26°54	28°43	21° 4	4°42	8°25	29°14	14° 5	12°48	6°58	17°22	W22
T 23	14 39 53	11°32'10	15°13	15°42	23°18	27°24	28°54	21° 7	4°40	8°27	29°15	13°56	12°45	7° 5	17°27	T 23
F 24	14 43 49	12°30'07	29°14	16°57	24°32	27°55	29° 6	21°10	4°38	8°29	29°15	13°48	12°42	7°12	17°31	F 24
S 25	14 47 46	13°28'03	12°347	18°15	25°46	28°25	29°17	21°13	4°36	8°32	29°16	13°42	12°39	7°18	17°35	S 25
S 26	14 51 43	14°25'58	25°52	19°35	26°59	28°56	29°28	21°15	4°34	8°34	29°17	13°38	12°35	7°25	17°39	S 26
M27	14 55 39	15°23'51	8°32	20°58	28°13	29°27	29°40	21°18	4°32	8°36	29°17	13°37	12°32	7°32	17°44	M27
T 28	14 59 36	16°21'43	20°51	22°22	29°27	29°58	29°51	21°21	4°31	8°38	29°18	13°D37	12°29	7°38	17°48	T 28
W29	15 3 32	17°19'33	2°1454	23°49	0°II40	0°129	0°3	21°23	4°29	8°40	29°18	13°37	12°26	7°45	17°52	W29
T 30	15 7 29	18°17'23	14°146	25°Y19	1°II54	1°1	0°14	21°25	4°27	8°43	29°19	13°R37	12°23	7°Y52	17°57	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	7n54	11s41	1n53	0n32	0s14	9n19	0s53	24n37	2n12	23n24	0s 1	15s54	1s 1	1s30	0n44	12n26	1s45	22s55	11s50	5n48	6n20	0n10	15n37	6s56	
T 2	8 16	8 30	0 50	0 15	0 29	9 47	0 51	24 33	2 11	23 24	0 1	15 53	1 1	1 29	0 44	12 26	1 45	22 55	11 50	5 47	6 22	0 12	15 37	6 56	
F 3	8 38	4 59	0s14	0 1	0 43	10 15	0 49	24 28	2 10	23 25	0 1	15 51	1 1	1 28	0 44	12 27	1 45	22 55	11 50	5 47	6 23	0 14	15 38	6 55	
S 4	9 0	1 18	1 18	0s10	0 57	10 43	0 47	24 23	2 9	23 25	0 0	15 50	1 1	1 27	0 44	12 28	1 45	22 55	11 51	5 48	6 24	0 16	15 38	6 54	
S 5	9 21	2n27	2 18	0 19	1 10	11 11	0 45	24 19	2 8	23 25	0 0	15 49	1 1	1 26	0 44	12 29	1 45	22 55	11 51	5 49	6 25	0 18	15 38	6 54	
M 6	9 43	6 8	3 12	0 25	1 23	11 39	0 43	24 14	2 7	23 26	0 0	15 47	1 1	1 25	0 44	12 29	1 45	22 55	11 51	5 51	6 27	0 20	15 39	6 53	
T 7	10 4	9 35	3 58	0 29	1 35	12 6	0 41	24 9	2 6	23 26	0 0	15 46	1 2	1 24	0 44	12 30	1 45	22 55	11 51	5 53	6 28	0 22	15 39	6 52	
W 8	10 25	12 40	4 34	0 30	1 46	12 33	0 39	24 3	2 5	23 27	0 0	15 45	1 2	1 23	0 44	12 31	1 45	22 55	11 52	5 56	6 29	0 24	15 39	6 52	
T 9	10 46	15 15	4 58	0 29	1 56	13 0	0 37	23 58	2 4	23 27	0n 0	15 44	1 2	1 23	0 44	12 32	1 45	22 54	11 52	5 59	6 30	0 26	15 40	6 51	
F 10	11 7	17 11	5 8	0 25	2 5	13 26	0 35	23 53	2 3	23 27	0 0	15 43	1 2	1 22	0 44	12 32	1 45	22 54	11 52	6 2	6 32	0 27	15 40	6 50	
S 11	11 28	18 19	5 4	0 20	2 14	13 52	0 32	23 47	2 2	23 28	0 0	15 42	1 2	1 21	0 44	12 33	1 45	22 54	11 53	6 5	6 33	0 29	15 40	6 50	
S 12	11 48	18 33	4 45	0 11	2 22	14 18	0 30	23 42	2 1	23 28	0 0	15 41	1 2	1 20	0 44	12 34	1 45	22 54	11 53	6 6	6 34	0 31	15 40	6 49	
M13	12 9	17 49	4 10	0 1	2 29	14 43	0 28	23 36	2 0	23 28	0 1	15 40	1 3	1 19	0 44	12 34	1 45	22 54	11 53	6 7	6 35	0 33	15 41	6 48	
T 14	12 29	16 4	3 22	0n11	2 35	15 8	0 26	23 30	1 59	23 29	0 1	15 38	1 3	1 18	0 44	12 35	1 45	22 54	11 53	6 8	6 36	0 35	15 41	6 48	
W15	12 49	13 23	2 20	0 26	2 41	15 33	0 23	23 24	1 58	23 29	0 1	15 37	1 3	1 17	0 44	12 36	1 45	22 54	11 54	6 7	6 38	0 37	15 41	6 47	
T 16	13 8	9 51	1 9	0 42	2 46	15 57	0 21	23 18	1 57	23 29	0 1	15 37	1 3	1 17	0 44	12 37	1 45	22 54	11 54	6 7	6 39	0 39	15 41	6 47	
F 17	13 28	5 38	0n 9	1 0	2 50	16 21	0 19	23 12	1 56	23 30	0 1	15 36	1 3	1 16	0 44	12 37	1 45	22 54	11 54	6 7	6 40	0 41	15 41	6 46	
S 18	13 47	1 0	1 27	1 20	2 54	16 44	0 16	23 6	1 55	23 30	0 1	15 35	1 3	1 15	0 44	12 38	1 45	22 54	11 55	6 7	6 41	0 43	15 42	6 45	
S 19	14 6	3s46	2 40	1 42	2 57	17 7	0 14	22 59	1 55	23 30	0 1	15 34	1 4	1 14	0 44	12 39	1 45	22 54	11 55	6 8	6 42	0 44	15 42	6 45	
M20	14 25	8 20	3 43	2 5	2 59	17 30	0 11	22 53	1 54	23 30	0 1	15 33	1 4	1 13	0 44	12 40	1 45	22 54	11 55	6 11	6 44	0 46	15 42	6 44	
T 21	14 43	12 20	4 30	2 30	3 0	17 52	0 9	22 46	1 53	23 31	0 1	15 32	1 4	1 13	0 44	12 40	1 45	22 54	11 56	6 13	6 45	0 48	15 42	6 44	
W22	15 2	15 30	4 58	2 56	3 1	18 13	0 7	22 39	1 52	23 31	0 1	15 31	1 4	1 12	0 44	12 41	1 45	22 54	11 56	6 17	6 46	0 50	15 42	6 43	
T 23	15 20	17 37	5 6	3 24	3 2	18 35	0 4	22 32	1 51	23 31	0 2	15 30	1 4	1 11	0 44	12 42	1 45	22 54	11 56	6 20	6 47	0 52	15 42	6 42	
F 24	15 38	18 35	4 55	3 53	3 1	18 55	0 2	22 25	1 50	23 31	0 2	15 30	1 4	1 10	0 44	12 42	1 45	22 54	11 57	6 23	6 49	0 54	15 42	6 42	
S 25	15 55	18 26	4 28	4 24	3 0	19 15	0n 1	22 18	1 49	23 31	0 2	15 29	1 5	1 10	0 44	12 43	1 45	22 54	11 57	6 25	6 50	0 56	15 42	6 41	
S 26	16 12	17 18	3 47	4 56	2 58	19 35	0 3	22 11	1 48	23 31	0 2	15 28	1 5	1 9	0 44	12 44	1 45	22 54	11 57	6 27	6 51	0 58	15 42	6 41	
M27	16 29	15 20	2 56	5 29	2 56	19 54	0 6	22 4	1 47	23 32	0 2	15 28	1 5	1 8	0 44	12 45	1 45	22 54	11 58	6 28	6 52	1 0	15 42	6 40	
T 28	16 46	12 42	1 59	6 3	2 53	20 13	0 8	21 56	1 46	23 32	0 2	15 27	1 5	1 8	0 44	12 45	1 45	22 55	11 58	6 28	6 53	1 1	15 42	6 40	
W29	17 3	9 35	0 57	6 38	2 50	20 31	0 11	21 49	1 46	23 32	0 2	15 26	1 5	1 7	0 44	12 46	1 45	22 55	11 58	6 27	6 55	1 3	15 42	6 39	
T 30	17n19	6s 6	0s 6	7n14	2s46	20n48	0n13	21n41	1n45	23n32	0n 2	15s26	1s 6	1s 6	0n44	12n47	1s45	22s55	11s59	6n27	6n56	1n 5	15n42	6s39	

ASTRODIENST EPHEMERIS for the year 1551

geocentric

MAY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	15 11 25	19°15'11	26°34'	26°50'	3°11' 8	1°13'2	0°26'	21°27'	4°R26	8°45'	29°19'	13°R37	12°20'	7°58'	18°2	F 1
S 2	15 15 22	20°12'58	8°21'	28°24'	4°21'	2° 4	0°38'	21°30'	4°24'	8°47'	29°20'	13°34'	12°16'	8° 5	18° 6	S 2
S 3	15 19 18	21°10'44	20°11'	29°59'	5°35'	2°35'	0°50'	21°32'	4°23'	8°49'	29°20'	13°28'	12°13'	8°12'	18°11'	S 3
M 4	15 23 15	22° 8'28	2° 8	1°38'	6°48'	3° 7	1° 2	21°34'	4°21'	8°52'	29°21'	13°20'	12°10'	8°18'	18°16'	M 4
T 5	15 27 11	23° 6'12	14°13'	3°18'	8° 2	3°39'	1°13'	21°35'	4°20'	8°54'	29°21'	13°10'	12° 7	8°25'	18°21'	T 5
W 6	15 31 8	24° 3'54	26°29'	5° 1	9°15'	4°11'	1°25'	21°37'	4°18'	8°56'	29°22'	12°58'	12° 4	8°32'	18°26'	W 6
T 7	15 35 5	25° 1'35	8°56'	6°45'	10°29'	4°43'	1°38'	21°39'	4°17'	8°58'	29°22'	12°45'	12° 1	8°38'	18°31'	T 7
F 8	15 39 1	25°59'14	21°35'	8°32'	11°43'	5°15'	1°50'	21°40'	4°16'	9° 0	29°22'	12°33'	11°57'	8°45'	18°36'	F 8
S 9	15 42 58	26°56'52	4°25'	10°21'	12°56'	5°47'	2° 2	21°42'	4°14'	9° 3	29°23'	12°23'	11°54'	8°52'	18°41'	S 9
S 10	15 46 54	27°54'29	17°27'	12°12'	14° 9	6°20'	2°14'	21°43'	4°13'	9° 5	29°23'	12°15'	11°51'	8°58'	18°47'	S 10
M 11	15 50 51	28°52'04	0°41'	14° 5	15°23'	6°52'	2°26'	21°45'	4°12'	9° 7	29°23'	12°10'	11°48'	9° 5	18°52'	M 11
T 12	15 54 47	29°49'38	14° 8	16° 1	16°36'	7°25'	2°39'	21°46'	4°11'	9° 9	29°23'	12° 7	11°45'	9°12'	18°57'	T 12
W 13	15 58 44	0°11'47	17°50'	17°50'	7°57'	2°51'	2°51'	21°47'	4°10'	9°11'	29°24'	12°D 7	11°41'	9°18'	19° 3	W 13
T 14	16 2 41	1°44'41	11°47'	19°58'	19° 3	8°30'	3° 4	21°48'	4° 9	9°13'	29°24'	12°R 7	11°38'	9°25'	19° 8	T 14
F 15	16 6 37	2°42'11	25°59'	21°59'	20°16'	9° 3	3°16'	21°49'	4° 8	9°15'	29°24'	12° 6	11°35'	9°32'	19°14'	F 15
S 16	16 10 34	3°39'39	10°26'	24° 2	21°30'	9°36'	3°29'	21°49'	4° 7	9°18'	29°24'	12° 4	11°32'	9°38'	19°19'	S 16
S 17	16 14 30	4°37'06	25° 4	26° 7	22°43'	10° 9	3°41'	21°50'	4° 6	9°20'	29°24'	12° 0	11°29'	9°45'	19°25'	S 17
M 18	16 18 27	5°34'31	9°48'	28°14'	23°56'	10°42'	3°54'	21°51'	4° 5	9°22'	29°24'	11°52'	11°26'	9°52'	19°31'	M 18
T 19	16 22 23	6°31'56	24°31'	0°11'22	25°10'	11°15'	4° 7	21°51'	4° 5	9°24'	29°24'	11°43'	11°22'	9°58'	19°37'	T 19
W 20	16 26 20	7°29'20	9°26'	2°31'	26°23'	11°48'	4°19'	21°52'	4° 4	9°26'	29°24'	11°31'	11°19'	10° 5	19°42'	W 20
T 21	16 30 16	8°26'43	23° 4	4°42'	27°36'	12°22'	4°32'	21°52'	4° 3	9°28'	29°24'	11°20'	11°16'	10°12'	19°48'	T 21
F 22	16 34 13	9°24'05	7°32'	6°53'	28°49'	12°55'	4°45'	21°52'	4° 3	9°30'	29°24'	11°10'	11°13'	10°18'	19°54'	F 22
S 23	16 38 10	10°21'26	20°52'	9° 5	0°52'	13°29'	4°58'	21°52'	4° 2	9°32'	29°24'	11° 1	11°10'	10°25'	20° 0	S 23
S 24	16 42 6	11°18'46	3°57'	11°17'	1°15'	14° 2	5°11'	21°R52	4° 1	9°34'	29°24'	10°55'	11° 7	10°32'	20° 6	S 24
M 25	16 46 3	12°16'06	16°39'	13°29'	2°29'	14°36'	5°24'	21°52'	4° 1	9°36'	29°24'	10°52'	11° 3	10°38'	20°12'	M 25
T 26	16 49 59	13°13'26	29° 0	15°40'	3°42'	15° 9	5°37'	21°52'	4° 1	9°38'	29°24'	10°50'	11° 0	10°45'	20°18'	T 26
W 27	16 53 56	14°10'45	11°4'	17°52'	4°55'	15°43'	5°50'	21°52'	4° 0	9°40'	29°24'	10°50'	10°57'	10°52'	20°25'	W 27
T 28	16 57 52	15° 8'03	22°59'	20° 2	6° 8	16°17'	6° 3	21°51'	4° 0	9°42'	29°24'	10°50'	10°54'	10°58'	20°31'	T 28
F 29	17 1 49	16° 5'21	4°47'	22°11'	7°21'	16°51'	6°16'	21°51'	4° 0	9°44'	29°24'	10°49'	10°51'	11° 5	20°37'	F 29
S 30	17 5 45	17° 2'39	16°37'	24°20'	8°34'	17°25'	6°29'	21°50'	3°59'	9°45'	29°23'	10°46'	10°47'	11°12'	20°43'	S 30
S 31	17 9 42	17°59'57	28°30'	26°26'	9°54'	17°59'	6°42'	21°49'	3°59'	9°47'	29°23'	10°41'	10°44'	11°18'	20°50'	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
F 1	17n35	2s25	1 s 9	7n52	2s41	21n 5	0n16	21n33	1n44	23n32	0n 2	15s25	1 s 6	1 s 6	0n44	12n47	1s45	22s55	11s59	6n28	6n57	1n 7	15n42	6s38	
S 2	17 50	1n22	2 8	8 30	2 36	21 22	0 18	21 25	1 43	23 32	0 2	15 25	1 6	1 5	0 44	12 48	1 45	22 55	11 59	6 29	6 58	1 9	15 42	6 38	
S 3	18 6	5 6	3 2	9 9	2 31	21 37	0 21	21 17	1 42	23 32	0 3	15 24	1 6	1 5	0 44	12 49	1 45	22 55	12 0	6 31	7 0	1 11	15 42	6 37	
M 4	18 21	8 40	3 48	9 49	2 24	21 53	0 23	21 9	1 41	23 32	0 3	15 24	1 6	1 4	0 44	12 49	1 45	22 55	12 0	6 34	7 1	1 13	15 42	6 37	
T 5	18 36	11 56	4 25	10 29	2 18	22 7	0 25	21 1	1 40	23 32	0 3	15 23	1 6	1 4	0 43	12 50	1 45	22 56	12 0	6 38	7 2	1 15	15 42	6 36	
W 6	18 50	14 43	4 49	11 10	2 11	22 21	0 28	20 52	1 40	23 32	0 3	15 23	1 7	1 3	0 43	12 51	1 45	22 56	12 1	6 42	7 3	1 17	15 41	6 36	
T 7	19 4	16 53	5 1	11 52	2 3	22 34	0 30	20 44	1 39	23 32	0 3	15 23	1 7	1 3	0 43	12 52	1 45	22 56	12 1	6 47	7 4	1 19	15 41	6 35	
F 8	19 18	18 16	4 58	12 34	1 55	22 47	0 33	20 35	1 38	23 32	0 3	15 22	1 7	1 2	0 43	12 52	1 45	22 56	12 1	6 52	7 6	1 20	15 41	6 35	
S 9	19 31	18 45	4 40	13 17	1 46	22 59	0 35	20 26	1 37	23 32	0 3	15 22	1 7	1 2	0 43	12 53	1 45	22 56	12 2	6 56	7 7	1 22	15 41	6 34	
S 10	19 44	18 16	4 7	13 59	1 37	23 10	0 38	20 17	1 36	23 32	0 3	15 22	1 7	1 1	0 43	12 54	1 45	22 57	12 2	6 59	7 8	1 24	15 41	6 34	
M11	19 57	16 47	3 21	14 42	1 28	23 21	0 40	20 8	1 35	23 32	0 3	15 21	1 8	1 1	0 43	12 54	1 45	22 57	12 2	7 1	7 9	1 26	15 40	6 33	
T 12	20 10	14 21	2 22	15 25	1 19	23 31	0 42	19 59	1 35	23 32	0 3	15 21	1 8	1 0	0 43	12 55	1 45	22 57	12 3	7 2	7 10	1 28	15 40	6 33	
W13	20 22	11 5	1 15	16 8	1 9	23 41	0 45	19 50	1 34	23 31	0 3	15 21	1 8	1 0	0 43	12 56	1 45	22 57	12 3	7 2	7 12	1 30	15 40	6 32	
T 14	20 34	7 8	0 2	16 50	0 58	23 49	0 47	19 41	1 33	23 31	0 4	15 21	1 8	1 0	0 43	12 56	1 45	22 57	12 3	7 2	7 13	1 32	15 40	6 32	
F 15	20 45	2 43	1n13	17 32	0 48	23 57	0 49	19 31	1 32	23 31	0 4	15 21	1 8	0 59	0 43	12 57	1 45	22 58	12 4	7 2	7 14	1 34	15 39	6 31	
S 16	20 56	1s56	2 24	18 13	0 37	24 5	0 51	19 22	1 31	23 31	0 4	15 21	1 9	0 59	0 43	12 57	1 45	22 58	12 4	7 3	7 15	1 36	15 39	6 31	
S 17	21 7	6 31	3 26	18 54	0 27	24 11	0 54	19 12	1 31	23 30	0 4	15 21	1 9	0 59	0 43	12 58	1 45	22 58	12 4	7 5	7 17	1 38	15 39	6 30	
M18	21 17	10 45	4 15	19 33	0 16	24 17	0 56	19 2	1 30	23 30	0 4	15 21	1 9	0 58	0 43	12 59	1 45	22 59	12 5	7 8	7 18	1 39	15 38	6 30	
T 19	21 27	14 18	4 48	20 12	0 5	24 22	0 58	18 52	1 29	23 30	0 4	15 21	1 9	0 58	0 43	12 59	1 45	22 59	12 5	7 11	7 19	1 41	15 38	6 30	
W20	21 37	16 55	5 0	20 48	0n 6	24 27	1 0	18 42	1 28	23 30	0 4	15 21	1 9	0 58	0 43	13 0	1 45	22 59	12 5	7 15	7 20	1 43	15 37	6 29	
T 21	21 46	18 26	4 54	21 23	0 16	24 30	1 2	18 32	1 27	23 29	0 4	15 21	1 10	0 58	0 43	13 1	1 45	22 59	12 6	7 20	7 21	1 45	15 37	6 29	
F 22	21 55	18 47	4 30	21 57	0 26	24 33	1 4	18 22	1 27	23 29	0 4	15 21	1 10	0 57	0 43	13 1	1 46	23 0	12 6	7 24	7 23	1 47	15 36	6 28	
S 23	22 3	18 3	3 52	22 28	0 37	24 36	1 6	18 11	1 26	23 29	0 4	15 21	1 10	0 57	0 43	13 2	1 46	23 0	12 7	7 27	7 24	1 49	15 36	6 28	
S 24	22 11	16 22	3 2	22 57	0 46	24 37	1 8	18 1	1 25	23 28	0 5	15 21	1 10	0 57	0 43	13 2	1 46	23 0	12 7	7 29	7 25	1 51	15 36	6 28	
M25	22 19	13 54	2 4	23 23	0 55	24 38	1 10	17 50	1 24	23 28	0 5	15 22	1 10	0 57	0 43	13 3	1 46	23 1	12 7	7 31	7 26	1 53	15 35	6 27	
T 26	22 26	10 53	1 2	23 47	1 4	24 38	1 12	17 39	1 24	23 27	0 5	15 22	1 10	0 57	0 43	13 4	1 46	23 1	12 8	7 31	7 27	1 55	15 35	6 27	
W27	22 33	7 27	0s 1	24 9	1 13	24 38	1 14	17 29	1 23	23 27	0 5	15 22	1 11	0 57	0 43	13 4	1 46	23 2	12 8	7 31	7 29	1 57	15 34	6 27	
T 28	22 40	3 46	1 4	24 27	1 20	24 36	1 15	17 18	1 22	23 26	0 5	15 22	1 11	0 56	0 43	13 5	1 46	23 2	12 8	7 31	7 30	1 58	15 33	6 26	
F 29	22 46	0n 1	2 3	24 43	1 27	24 34	1 17	17 7	1 21	23 26	0 5	15 23	1 11	0 56	0 43	13 5	1 46	23 2	12 9	7 32	7 31	2 0	15 33	6 26	
S 30	22 52	3 49	2 57	24 56	1 34	24 32	1 19	16 56	1 21	23 25	0 5	15 23	1 11	0 56	0 43	13 6	1 46	23 3	12 9	7 33	7 32	2 2	15 32	6 26	
S 31	22n57	7n29	3s44	25n 6	1n39	24n28	1n20	16n44	1n20	23n25	0n 5	15s23	1s11	0s56	0n42	13n 6	1s46	23s 3	12s 9	7n35	7n33	2n 4	15n32	6s25	

ASTRODIENST EPHEMERIS for the year 1551

geocentric

JUNE 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 13 39	18 ^{II} 57'13	10 ^{III} 33	28 ^{II} 31	11 ^{III} 0	18 ^{II} 34	6 ^{III} 55	21°R49	3°R59	9 ^{III} 49	29°R23	10°R33	10 ^{III} 41	11°V25	20 ^{III} 56	M 1
T 2	17 17 35	19°54'30	22°48	0 ^{III} 35	12°13	19° 8	7° 8	21°R48	3°D59	9°51	29°R23	10 ^{III} 22	10°38	11°32	21° 2	T 2
W 3	17 21 32	20°51'46	5 ^{III} 16	2°36	13°26	19°42	7°22	21°47	3°D59	9°53	29°22	10°10	10°35	11°38	21° 9	W 3
T 4	17 25 28	21°49'02	17°59	4°36	14°39	20°17	7°35	21°46	3°59	9°55	29°22	9°58	10°32	11°45	21°15	T 4
F 5	17 29 25	22°46'18	0 ^{III} 56	6°33	15°52	20°51	7°48	21°45	3°59	9°56	29°22	9°45	10°28	11°52	21°22	F 5
S 6	17 33 21	23°43'33	14° 7	8°29	17° 5	21°26	8° 1	21°43	3°59	9°58	29°21	9°35	10°25	11°58	21°28	S 6
S 7	17 37 18	24°40'47	27°30	10°22	18°18	22° 1	8°15	21°42	4° 0	10° 0	29°21	9°27	10°22	12° 5	21°35	S 7
M 8	17 41 14	25°38'01	11 ^{III} 0	3 12°13	19°30	22°35	8°28	21°41	4° 0	10° 2	29°21	9°22	10°19	12°12	21°42	M 8
T 9	17 45 11	26°35'15	24°45	14° 2	20°43	23°10	8°41	21°39	4° 0	10° 3	29°20	9°19	10°16	12°18	21°48	T 9
W10	17 49 8	27°32'28	8 ^{III} 36	15°49	21°56	23°45	8°55	21°37	4° 1	10° 5	29°20	9°D18	10°13	12°25	21°55	W10
T 11	17 53 4	28°29'40	22°36	17°33	23° 9	24°20	9° 8	21°36	4° 1	10° 7	29°19	9°R18	10° 9	12°32	22° 2	T 11
F 12	17 57 1	29°26'52	6 ^{III} 42	19°16	24°22	24°55	9°21	21°34	4° 2	10° 8	29°19	9°18	10° 6	12°38	22° 9	F 12
S 13	18 0 57	0 ^{III} 24'03	20°56	20°56	25°34	25°30	9°35	21°32	4° 2	10°10	29°18	9°17	10° 3	12°45	22°15	S 13
S 14	18 4 54	1°21'13	5 ^{III} 14	22°33	26°47	26° 5	9°48	21°30	4° 3	10°11	29°18	9°13	10° 0	12°52	22°22	S 14
M15	18 8 50	2°18'24	19°35	24° 9	28° 0	26°40	10° 2	21°28	4° 3	10°13	29°17	9° 7	9°57	12°58	22°29	M15
T 16	18 12 47	3°15'34	3°A52	25°42	29°12	27°16	10°15	21°26	4° 4	10°14	29°16	8°58	9°53	13° 5	22°36	T 16
W17	18 16 43	4°12'44	18° 2	27°13	0 ^{III} 25	27°51	10°29	21°23	4° 5	10°16	29°16	8°49	9°50	13°12	22°43	W17
T 18	18 20 40	5° 9'54	1 ^{III} 39	28°42	1°38	28°26	10°42	21°21	4° 6	10°17	29°15	8°39	9°47	13°18	22°50	T 18
F 19	18 24 37	6° 7'04	15°39	0 ^{III} 8	2°50	29° 2	10°55	21°19	4° 6	10°19	29°15	8°29	9°44	13°25	22°57	F 19
S 20	18 28 33	7° 4'14	28°59	1°32	4° 3	29°37	11° 9	21°16	4° 7	10°20	29°14	8°22	9°41	13°32	23° 4	S 20
S 21	18 32 30	8° 1'24	11°A57	2°54	5°15	0 ^{III} 13	11°22	21°14	4° 8	10°22	29°13	8°17	9°38	13°38	23°11	S 21
M22	18 36 26	8°58'34	24°35	4°13	6°28	0°49	11°36	21°11	4° 9	10°23	29°13	8°14	9°34	13°45	23°18	M22
T 23	18 40 23	9°55'45	6°A54	5°30	7°40	1°24	11°49	21° 8	4°10	10°24	29°12	8°D13	9°31	13°52	23°25	T 23
W24	18 44 19	10°52'56	18°59	6°44	8°52	2° 0	12° 3	21° 5	4°11	10°26	29°11	8°13	9°28	13°58	23°32	W24
T 25	18 48 16	11°50'07	0°V54	7°56	10° 5	2°36	12°16	21° 2	4°13	10°27	29°10	8°14	9°25	14° 5	23°39	T 25
F 26	18 52 12	12°47'19	12°45	9° 5	11°17	3°12	12°30	20°59	4°14	10°28	29° 9	8°R14	9°22	14°12	23°46	F 26
S 27	18 56 9	13°44'31	24°36	10°11	12°29	3°48	12°43	20°56	4°15	10°30	29° 9	8°14	9°19	14°18	23°53	S 27
S 28	19 0 6	14°41'44	6 ^{III} 32	11°15	13°42	4°24	12°57	20°53	4°16	10°31	29° 8	8°11	9°15	14°25	24° 0	S 28
M29	19 4 2	15°38'58	18°38	12°16	14°54	5° 0	13°10	20°50	4°18	10°32	29° 7	8° 7	9°12	14°32	24° 7	M29
T 30	19 7 59	16°36'12	0 ^{III} 59	13°L13	16°L 6	5°A36	13°24	20°A47	4°A19	10°B33	29°A 6	8°A 0	9°A 9	14°V38	24°A14	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	23n 2	10n53	4s21	25n13	1n44	24n24	1n22	16n33	1n19	23n24	0n 5	15s24	1s12	0s56	0n42	13n 7
T 2	23 7	13 53	4 47	25 18	1 48	24 19	1 24	16 22	1 18	23 23	0 5	15 24	1 12	0 56	0 42	13 8
W 3	23 11	16 19	5 0	25 20	1 52	24 14	1 25	16 10	1 18	23 23	0 5	15 25	1 12	0 56	0 42	13 8
T 4	23 14	18 0	4 58	25 20	1 55	24 7	1 26	15 58	1 17	23 22	0 6	15 25	1 12	0 56	0 42	13 9
F 5	23 18	18 49	4 41	25 17	1 57	24 0	1 28	15 47	1 16	23 22	0 6	15 26	1 12	0 57	0 42	13 9
S 6	23 21	18 37	4 9	25 11	1 58	23 52	1 29	15 35	1 15	23 21	0 6	15 27	1 13	0 57	0 42	13 10
S 7	23 23	17 24	3 22	25 4	1 59	23 44	1 30	15 23	1 15	23 20	0 6	15 27	1 13	0 57	0 42	13 10
M 8	23 25	15 11	2 24	24 54	1 58	23 35	1 31	15 11	1 14	23 19	0 6	15 28	1 13	0 57	0 42	13 11
T 9	23 27	12 6	1 16	24 42	1 58	23 25	1 33	14 59	1 13	23 19	0 6	15 28	1 13	0 57	0 42	13 11
W10	23 28	8 18	0 4	24 28	1 56	23 15	1 34	14 46	1 12	23 18	0 6	15 29	1 13	0 57	0 42	13 12
T 11	23 29	4 1	1n10	24 13	1 54	23 4	1 35	14 34	1 12	23 17	0 6	15 30	1 13	0 58	0 42	13 12
F 12	23 30	0s31	2 20	23 56	1 51	22 52	1 36	14 22	1 11	23 16	0 6	15 31	1 14	0 58	0 42	13 13
S 13	23 30	5 4	3 22	23 38	1 47	22 39	1 36	14 9	1 10	23 15	0 6	15 31	1 14	0 58	0 42	13 13
S 14	23 29	9 20	4 12	23 18	1 43	22 26	1 37	13 56	1 9	23 14	0 6	15 32	1 14	0 58	0 42	13 13
M15	23 28	13 5	4 46	22 57	1 39	22 13	1 38	13 44	1 9	23 13	0 7	15 33	1 14	0 59	0 42	13 14
T 16	23 27	16 2	5 2	22 35	1 33	21 58	1 39	13 31	1 8	23 13	0 7	15 34	1 14	0 59	0 42	13 14
W17	23 26	17 59	4 59	22 11	1 27	21 43	1 39	13 18	1 7	23 12	0 7	15 35	1 15	0 59	0 42	13 15
T 18	23 24	18 50	4 39	21 47	1 21	21 28	1 40	13 5	1 7	23 11	0 7	15 36	1 15	1 0	0 42	13 15
F 19	23 21	18 34	4 3	21 22	1 14	21 12	1 40	12 52	1 6	23 10	0 7	15 37	1 15	1 0	0 42	13 16
S 20	23 18	17 15	3 14	20 57	1 6	20 55	1 40	12 39	1 5	23 9	0 7	15 38	1 15	1 0	0 42	13 16
S 21	23 15	15 4	2 16	20 30	0 58	20 38	1 41	12 26	1 4	23 8	0 7	15 39	1 15	1 1	0 42	13 16
M22	23 11	12 13	1 12	20 3	0 50	20 20	1 41	12 12	1 4	23 6	0 7	15 40	1 15	1 1	0 42	13 17
T 23	23 7	8 53	0 7	19 36	0 41	20 1	1 41	11 59	1 3	23 5	0 7	15 41	1 16	1 2	0 42	13 17
W24	23 3	5 15	0s58	19 8	0 32	19 42	1 41	11 45	1 2	23 4	0 7	15 42	1 16	1 2	0 41	13 18
T 25	22 58	1 27	1 59	18 41	0 22	19 23	1 41	11 32	1 2	23 3	0 8	15 43	1 16	1 3	0 41	13 18
F 26	22 53	2n22	2 55	18 13	0 11	19 3	1 41	11 18	1 1	23 2	0 8	15 44	1 16	1 3	0 41	13 18
S 27	22 47	6 6	3 43	17 45	0 1	18 42	1 41	11 4	1 0	23 1	0 8	15 45	1 16	1 4	0 41	13 19
S 28	22 41	9 36	4 22	17 17	0s10	18 21	1 40	10 51	1 0	23 0	0 8	15 46	1 16	1 4	0 41	13 19
M29	22 34	12 46	4 50	16 49	0 22	18 0	1 40	10 37	0 59	22 58	0 8	15 48	1 17	1 5	0 41	13 19
T 30	22n28	15n26	5s 5	16n21	0s33	17n38	1n40	10n23	0n58	22n57	0n 8	15s49	1s17	1s 5	0n41	13n20

Julian Day Number = 2287711.5, Delta T = 176.79 sec

Ecliptic obliquity = 23°29'42, Nutation = - 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°28'51, Lahiri = 17°35'51 Julian Calendar 1 June 1551 == Greg. Calendar 11 June 1551

ASTRODIENST EPHEMERIS for the year 1551

geocentric

JULY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	19 11 55	17°33'26	13°37	14°8	17°18	6°12	13°37	20°R44	4°21	10°34	29°R 5	7°R52	9°6	14°Y45	24°22	W 1
T 2	19 15 52	18°30'42	26°32	14°59	18°31	6°49	13°51	20°40	4°22	10°35	29°4	7°44	9°3	14°52	24°29	T 2
F 3	19 19 48	19°27'58	9°47	15°47	19°43	7°25	14°4	20°37	4°24	10°36	29°3	7°36	8°59	14°58	24°36	F 3
S 4	19 23 45	20°25'14	23°18	16°32	20°55	8°2	14°17	20°33	4°25	10°38	29°2	7°29	8°56	15°5	24°43	S 4
S 5	19 27 41	21°22'31	7°5	17°13	22°7	8°38	14°31	20°30	4°27	10°39	29°2	7°23	8°53	15°12	24°50	S 5
M 6	19 31 38	22°19'49	21°2	17°50	23°19	9°15	14°44	20°26	4°29	10°40	29°1	7°20	8°50	15°18	24°58	M 6
T 7	19 35 35	23°17'06	5°8	18°23	24°31	9°51	14°58	20°22	4°30	10°40	29°0	7°D19	8°47	15°25	25°5	T 7
W 8	19 39 31	24°14'25	19°19	18°52	25°43	10°28	15°11	20°18	4°32	10°41	28°59	7°20	8°44	15°32	25°12	W 8
T 9	19 43 28	25°11'43	3°32	19°17	26°55	11°5	15°24	20°15	4°34	10°42	28°58	7°21	8°40	15°38	25°19	T 9
F 10	19 47 24	26°9'02	17°44	19°37	28°7	11°41	15°38	20°11	4°36	10°43	28°57	7°22	8°37	15°45	25°26	F 10
S 11	19 51 21	27°6'21	1°55	19°53	29°18	12°18	15°51	20°7	4°38	10°44	28°55	7°R22	8°34	15°52	25°34	S 11
S 12	19 55 17	28°3'41	16°2	20°3	0°30	12°55	16°4	20°3	4°40	10°45	28°54	7°21	8°31	15°58	25°41	S 12
M13	19 59 14	29°1'01	0°3	20°9	1°42	13°32	16°18	19°59	4°42	10°46	28°53	7°18	8°28	16°5	25°48	M13
T 14	20 3 10	29°58'22	13°56	20°R10	2°54	14°9	16°31	19°55	4°44	10°46	28°52	7°13	8°24	16°12	25°55	T 14
W15	20 7 7	0°55'44	27°40	20°6	4°5	14°46	16°44	19°51	4°46	10°47	28°51	7°8	8°21	16°18	26°2	W15
T 16	20 11 4	1°53'06	11°3	19°57	5°17	15°23	16°58	19°46	4°48	10°48	28°50	7°2	8°18	16°25	26°10	T 16
F 17	20 15 0	2°50'29	24°27	19°42	6°29	16°1	17°11	19°42	4°50	10°48	28°49	6°57	8°15	16°32	26°17	F 17
S 18	20 18 57	3°47'52	7°27	19°23	7°40	16°38	17°24	19°38	4°53	10°49	28°48	6°53	8°12	16°38	26°24	S 18
S 19	20 22 53	4°45'17	20°11	18°58	8°52	17°15	17°37	19°34	4°55	10°49	28°47	6°50	8°9	16°45	26°31	S 19
M20	20 26 50	5°42'43	2°40	18°29	10°3	17°53	17°50	19°29	4°57	10°50	28°46	6°D49	8°5	16°52	26°38	M20
T 21	20 30 46	6°40'10	14°54	17°55	11°14	18°30	18°3	19°25	5°0	10°51	28°44	6°49	8°2	16°58	26°46	T 21
W22	20 34 43	7°37'38	26°56	17°17	12°26	19°7	18°16	19°21	5°2	10°51	28°43	6°50	7°59	17°5	26°53	W22
T 23	20 38 39	8°35'07	8°Y50	16°35	13°37	19°45	18°29	19°16	5°4	10°51	28°42	6°52	7°56	17°12	27°0	T 23
F 24	20 42 36	9°32'37	20°41	15°51	14°48	20°23	18°42	19°12	5°7	10°52	28°41	6°54	7°53	17°18	27°7	F 24
S 25	20 46 33	10°30'09	2°32	15°4	15°59	21°0	18°55	19°8	5°9	10°52	28°40	6°55	7°50	17°25	27°14	S 25
S 26	20 50 29	11°27'43	14°29	14°16	17°10	21°38	19°8	19°3	5°12	10°53	28°38	6°R55	7°46	17°32	27°21	S 26
M27	20 54 26	12°25'17	26°36	13°27	18°22	22°16	19°21	18°59	5°15	10°53	28°37	6°54	7°43	17°38	27°28	M27
T 28	20 58 22	13°22'54	8°II57	12°38	19°33	22°54	19°34	18°54	5°17	10°53	28°36	6°52	7°40	17°45	27°36	T 28
W29	21 2 19	14°20'32	21°38	11°51	20°44	23°32	19°47	18°50	5°20	10°53	28°35	6°50	7°37	17°52	27°43	W29
T 30	21 6 15	15°18'11	4°38	11°5	21°55	24°9	20°0	18°45	5°23	10°54	28°34	6°47	7°34	17°59	27°50	T 30
F 31	21 10 12	16°15'52	18°4	10°23	23°5	24°48	20°12	18°41	5°25	10°54	28°32	6°44	7°30	18°Y5	27°57	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22n20	17n26	5s 5	15n54	0s46	17n15	1n39	10n 9	0n57	22n56	0n 8	15s50	1s17	1s 6	0n41	13n20
T 2	22 13	18 36	4 51	15 27	0 58	16 53	1 39	9 55	0 57	22 55	0 8	15 51	1 17	1 7	0 41	13 20
F 3	22 5	18 48	4 20	15 1	1 11	16 29	1 38	9 40	0 56	22 53	0 8	15 52	1 17	1 7	0 41	13 20
S 4	21 56	17 57	3 35	14 36	1 23	16 5	1 37	9 26	0 55	22 52	0 8	15 54	1 17	1 8	0 41	13 21
S 5	21 48	16 2	2 36	14 11	1 36	15 41	1 36	9 12	0 55	22 51	0 8	15 55	1 18	1 9	0 41	13 21
M 6	21 38	13 9	1 27	13 47	1 50	15 17	1 35	8 57	0 54	22 49	0 9	15 56	1 18	1 9	0 41	13 21
T 7	21 29	9 28	0 12	13 24	2 3	14 52	1 34	8 43	0 53	22 48	0 9	15 58	1 18	1 10	0 41	13 21
W 8	21 19	5 14	1n 5	13 3	2 16	14 27	1 33	8 28	0 53	22 46	0 9	15 59	1 18	1 11	0 41	13 22
T 9	21 9	0 42	2 17	12 42	2 30	14 1	1 32	8 14	0 52	22 45	0 9	16 0	1 18	1 12	0 41	13 22
F 10	20 58	3s52	3 22	12 23	2 43	13 35	1 31	7 59	0 51	22 44	0 9	16 2	1 18	1 12	0 41	13 22
S 11	20 47	8 12	4 13	12 6	2 56	13 8	1 30	7 44	0 51	22 42	0 9	16 3	1 18	1 13	0 41	13 22
S 12	20 36	12 3	4 50	11 50	3 10	12 42	1 28	7 30	0 50	22 41	0 9	16 4	1 18	1 14	0 41	13 22
M13	20 24	15 11	5 8	11 36	3 22	12 15	1 27	7 15	0 49	22 39	0 9	16 6	1 19	1 15	0 41	13 23
T 14	20 12	17 25	5 9	11 24	3 35	11 47	1 25	7 0	0 49	22 38	0 9	16 7	1 19	1 16	0 41	13 23
W15	20 0	18 37	4 51	11 14	3 47	11 20	1 24	6 45	0 48	22 36	0 9	16 9	1 19	1 17	0 41	13 23
T 16	19 47	18 45	4 18	11 6	3 58	10 52	1 22	6 30	0 47	22 34	0 10	16 10	1 19	1 18	0 41	13 23
F 17	19 34	17 49	3 31	11 0	4 9	10 24	1 20	6 15	0 47	22 33	0 10	16 12	1 19	1 18	0 41	13 23
S 18	19 21	15 58	2 34	10 57	4 18	9 55	1 18	6 0	0 46	22 31	0 10	16 13	1 19	1 19	0 41	13 23
S 19	19 7	13 22	1 30	10 56	4 27	9 27	1 16	5 44	0 45	22 30	0 10	16 14	1 19	1 20	0 40	13 24
M20	18 53	10 12	0 23	10 58	4 35	8 58	1 14	5 29	0 44	22 28	0 10	16 16	1 19	1 21	0 40	13 24
T 21	18 39	6 39	0s44	11 2	4 41	8 29	1 12	5 14	0 44	22 26	0 10	16 17	1 20	1 22	0 40	13 24
W22	18 24	2 53	1 48	11 9	4 46	7 59	1 10	4 59	0 43	22 25	0 10	16 19	1 20	1 23	0 40	13 24
T 23	18 9	0n57	2 47	11 18	4 49	7 30	1 8	4 43	0 42	22 23	0 10	16 20	1 20	1 24	0 40	13 24
F 24	17 54	4 43	3 38	11 29	4 51	7 0	1 5	4 28	0 42	22 21	0 10	16 22	1 20	1 25	0 40	13 24
S 25	17 39	8 18	4 20	11 43	4 51	6 30	1 3	4 12	0 41	22 20	0 11	16 23	1 20	1 26	0 40	13 24
S 26	17 23	11 35	4 51	11 59	4 49	6 0	1 1	3 57	0 40	22 18	0 11	16 25	1 20	1 27	0 40	13 24
M27	17 7	14 25	5 10	12 16	4 45	5 30	0 58	3 41	0 40	22 16	0 11	16 26	1 20	1 28	0 40	13 24
T 28	16 51	16 40	5 15	12 35	4 40	5 0	0 55	3 26	0 39	22 15	0 11	16 28	1 20	1 29	0 40	13 24
W29	16 34	18 10	5 4	12 55	4 32	4 29	0 53	3 10	0 38	22 13	0 11	16 29	1 20	1 31	0 40	13 24
T 30	16 17	18 46	4 39	13 16	4 23	3 59	0 50	2 54	0 38	22 11	0 11	16 31	1 21	1 32	0 40	13 24
F 31	16n 0	18n22	3s57	13n38	4s12	3n28	0n47	2n39	0n37	22n 9	0n11	16s32	1s21	1s33	0n40	13n24

Julian Day Number = 2287741.5, Delta T = 176.61 sec

Ecliptic obliquity = 23°29'42", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°28'55", Lahiri = 17°35'55" Julian Calendar 1 July 1551 == Greg. Calendar 11 July 1551

ASTRODIENST EPHEMERIS for the year 1551

geocentric

AUGUST 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 14 8	17♏13'34	1♏50	9°R45	24♐16	25♐26	20♏25	18°R36	5♏28	10♏54	28°R31	6°R41	7♐27	18♐12	28♏4	S 1
S 2	21 18 5	18°11'17	15°56	9♏11	25°27	26° 4	20°38	18♏32	5°31	10°54	28♏30	6♐39	7°24	18°19	28°11	S 2
M 3	21 22 2	19° 9'02	0♐18	8°43	26°38	26°42	20°50	18°27	5°34	10°54	28°29	6°D38	7°21	18°25	28°18	M 3
T 4	21 25 58	20° 6'48	14°50	8°21	27°48	27°20	21° 3	18°23	5°37	10°54	28°27	6°39	7°18	18°32	28°25	T 4
W 5	21 29 55	21° 4'36	29°26	8° 6	28°59	27°59	21°15	18°18	5°40	10°R54	28°26	6°39	7°15	18°39	28°32	W 5
T 6	21 33 51	22° 2'25	14♏1	7°58	0♏10	28°37	21°28	18°14	5°43	10°54	28°25	6°40	7°11	18°45	28°38	T 6
F 7	21 37 48	23° 0'14	28°30	7°D58	1°20	29°15	21°40	18° 9	5°46	10°54	28°23	6°41	7° 8	18°52	28°45	F 7
S 8	21 41 44	23°58'05	12♐49	8° 5	2°30	29°54	21°52	18° 5	5°49	10°54	28°22	6°42	7° 5	18°59	28°52	S 8
S 9	21 45 41	24°55'58	26°54	8°20	3°41	0♏32	22° 5	18° 0	5°52	10°54	28°21	6°R42	7° 2	19° 5	28°59	S 9
M10	21 49 37	25°53'51	10♐46	8°43	4°51	1°11	22°17	17°56	5°55	10°54	28°20	6°42	6°59	19°12	29° 6	M10
T 11	21 53 34	26°51'46	24°23	9°14	6° 1	1°50	22°29	17°51	5°58	10°54	28°18	6°41	6°56	19°19	29°13	T 11
W12	21 57 31	27°49'42	7♏44	9°53	7°11	2°28	22°41	17°47	6° 1	10°54	28°17	6°40	6°52	19°25	29°19	W12
T 13	22 1 27	28°47'40	20°51	10°39	8°21	3° 7	22°53	17°42	6° 4	10°53	28°16	6°39	6°49	19°32	29°26	T 13
F 14	22 5 24	29°45'39	3♏44	11°33	9°31	3°46	23° 5	17°38	6° 7	10°53	28°14	6°38	6°46	19°39	29°33	F 14
S 15	22 9 20	0♐43'39	16°24	12°34	10°41	4°25	23°17	17°34	6°11	10°53	28°13	6°38	6°43	19°45	29°39	S 15
S 16	22 13 17	1°41'41	28°51	13°42	11°51	5° 4	23°29	17°29	6°14	10°52	28°12	6°37	6°40	19°52	29°46	S 16
M17	22 17 13	2°39'44	11♐6	14°56	13° 1	5°43	23°41	17°25	6°17	10°52	28°11	6°D37	6°36	19°59	29°52	M17
T 18	22 21 10	3°37'50	23°12	16°16	14°11	6°22	23°53	17°21	6°21	10°52	28° 9	6°37	6°33	20° 5	29°59	T 18
W19	22 25 6	4°35'57	5♐9	17°41	15°20	7° 1	24° 4	17°17	6°24	10°51	28° 8	6°38	6°30	20°12	0♏ 5	W19
T 20	22 29 3	5°34'05	17° 1	19°11	16°30	7°40	24°16	17°12	6°27	10°51	28° 7	6°38	6°27	20°19	0°12	T 20
F 21	22 32 59	6°32'16	28°51	20°46	17°39	8°19	24°28	17° 8	6°31	10°50	28° 6	6°R38	6°24	20°25	0°18	F 21
S 22	22 36 56	7°30'29	10♏42	22°25	18°48	8°59	24°39	17° 4	6°34	10°50	28° 4	6°38	6°21	20°32	0°25	S 22
S 23	22 40 53	8°28'44	22°38	24° 7	19°58	9°38	24°50	17° 0	6°37	10°49	28° 3	6°38	6°17	20°39	0°31	S 23
M24	22 44 49	9°27'01	4♐43	25°51	21° 7	10°17	25° 2	16°56	6°41	10°48	28° 2	6°D38	6°14	20°46	0°37	M24
T 25	22 48 46	10°25'20	17° 3	27°39	22°16	10°57	25°13	16°52	6°44	10°48	28° 0	6°38	6°11	20°52	0°43	T 25
W26	22 52 42	11°23'41	29°40	29°28	23°25	11°36	25°24	16°48	6°48	10°47	27°59	6°38	6° 8	20°59	0°50	W26
T 27	22 56 39	12°22'04	12♏40	1♐19	24°34	12°16	25°35	16°44	6°51	10°46	27°58	6°38	6° 5	21° 6	0°56	T 27
F 28	23 0 35	13°20'30	26° 4	3°11	25°42	12°56	25°46	16°41	6°55	10°46	27°57	6°39	6° 2	21°12	1° 2	F 28
S 29	23 4 32	14°18'57	9♏54	5° 3	26°51	13°35	25°57	16°37	6°58	10°45	27°56	6°39	5°58	21°19	1° 8	S 29
S 30	23 8 28	15°17'27	24°10	6°56	28° 0	14°15	26° 8	16°33	7° 2	10°44	27°54	6°40	5°55	21°26	1°14	S 30
M31	23 12 25	16♐15'58	8♐46	8♐50	29♏8	14♏55	26♏19	16♏30	7♏6	10♏43	27♏53	6°R40	5♐52	21♐32	1♏20	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	15n42	16n52	3s 1	14n 0	3s59	2n57	0n44	2n23	0n36	22n 8	0n11	16s34	1s21	1s34	0n40	S 1
S 2	15 25	14 19	1 52	14 22	3 46	2 27	0 41	2 7	0 36	22 6	0 11	16 35	1 21	1 35	0 40	S 2
M 3	15 7	10 51	0 35	14 44	3 31	1 56	0 38	1 51	0 35	22 4	0 11	16 37	1 21	1 36	0 40	M 3
T 4	14 49	6 41	0n45	15 5	3 15	1 25	0 35	1 35	0 35	22 2	0 12	16 38	1 21	1 37	0 40	T 4
W 5	14 30	2 6	2 3	15 25	2 58	0 54	0 32	1 19	0 34	22 0	0 12	16 40	1 21	1 39	0 40	W 5
T 6	14 12	2s35	3 12	15 43	2 41	0 23	0 29	1 4	0 33	21 58	0 12	16 41	1 21	1 40	0 40	T 6
F 7	13 53	7 5	4 9	16 1	2 23	0s 9	0 25	0 48	0 33	21 57	0 12	16 43	1 21	1 41	0 40	F 7
S 8	13 34	11 7	4 50	16 16	2 5	0 40	0 22	0 32	0 32	21 55	0 12	16 44	1 21	1 42	0 40	S 8
S 9	13 14	14 27	5 12	16 30	1 47	1 11	0 19	0 16	0 31	21 53	0 12	16 46	1 21	1 43	0 40	S 9
M10	12 55	16 54	5 16	16 41	1 29	1 42	0 15	0s 0	0 31	21 51	0 12	16 47	1 21	1 45	0 40	M10
T 11	12 35	18 21	5 2	16 50	1 12	2 13	0 12	0 16	0 30	21 49	0 12	16 48	1 21	1 46	0 40	T 11
W12	12 15	18 45	4 32	16 56	0 55	2 44	0 8	0 32	0 29	21 47	0 13	16 50	1 21	1 47	0 40	W12
T 13	11 55	18 7	3 48	17 0	0 38	3 15	0 5	0 48	0 29	21 45	0 13	16 51	1 21	1 49	0 40	T 13
F 14	11 35	16 34	2 53	17 0	0 22	3 46	0 1	0 4	0 28	21 43	0 13	16 53	1 22	1 50	0 40	F 14
S 15	11 14	14 13	1 50	16 58	0 7	4 17	0s 3	1 20	0 27	21 42	0 13	16 54	1 22	1 51	0 40	S 15
S 16	10 54	11 14	0 43	16 53	0n 8	4 48	0 7	1 37	0 27	21 40	0 13	16 55	1 22	1 52	0 40	S 16
M17	10 33	7 48	0s25	16 44	0 22	5 19	0 10	1 53	0 26	21 38	0 13	16 57	1 22	1 54	0 40	M17
T 18	10 12	4 6	1 31	16 33	0 34	5 49	0 14	2 9	0 25	21 36	0 13	16 58	1 22	1 55	0 40	T 18
W19	9 51	0 16	2 32	16 18	0 46	6 20	0 18	2 25	0 25	21 34	0 13	16 59	1 22	1 56	0 40	W19
T 20	9 29	3n32	3 26	16 0	0 57	6 50	0 22	2 41	0 24	21 32	0 13	17 1	1 22	1 58	0 40	T 20
F 21	9 8	7 11	4 11	15 39	1 6	7 21	0 26	2 57	0 23	21 30	0 14	17 2	1 22	1 59	0 40	F 21
S 22	8 46	10 32	4 46	15 15	1 15	7 51	0 30	3 13	0 23	21 28	0 14	17 3	1 22	2 1	0 40	S 22
S 23	8 25	13 30	5 8	14 49	1 23	8 21	0 34	3 29	0 22	21 26	0 14	17 5	1 22	2 2	0 39	S 23
M24	8 3	15 56	5 17	14 20	1 29	8 51	0 38	3 45	0 21	21 24	0 14	17 6	1 22	2 3	0 39	M24
T 25	7 41	17 41	5 12	13 48	1 35	9 20	0 42	4 1	0 21	21 22	0 14	17 7	1 22	2 5	0 39	T 25
W26	7 18	18 37	4 52	13 14	1 39	9 50	0 46	4 18	0 20	21 20	0 14	17 8	1 22	2 6	0 39	W26
T 27	6 56	18 38	4 17	12 38	1 43	10 19	0 50	4 34	0 20	21 19	0 14	17 9	1 22	2 7	0 39	T 27
F 28	6 34	17 36	3 27	12 0	1 46	10 48	0 55	4 50	0 19	21 17	0 14	17 11	1 22	2 9	0 39	F 28
S 29	6 11	15 30	2 23	11 21	1 48	11 17	0 59	5 6	0 18	21 15	0 15	17 12	1 22	2 10	0 39	S 29
S 30	5 49	12 25	1 9	10 40	1 49	11 46	1 3	5 22	0 18	21 13	0 15	17 13	1 22	2 12	0 39	S 30
M31	5n26	8n29	0n12	9n58	1n49	12s14	1s 7	5s38	0n17	21n11	0n15	17s14	1s22	2s13	0n39	M31

Julian Day Number = 2287772.5, Delta T = 176.43 sec

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

Ayanamsha: Fagan/Bradley = 18°28'59, Lahiri = 17°35'59 Julian Calendar 1 Aug. 1551 == Greg. Calendar 11 Aug. 1551

ASTRODIENST EPHEMERIS for the year 1551

geocentric

SEPTEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 16 22	17 ¹⁷ 14'32	23 ¹⁷ 39	10 ¹⁷ 43	0 ¹⁷ 17	15 ¹⁵ 35	26 ²⁶ 30	16 ¹⁶ R26	7 ⁷ 13	10 ¹⁰ R43	27 ²⁷ R52	6 ⁶ R40	5 ⁵ 49	21 ²¹ Y39	1 ¹ Q26	T 1
W 2	23 20 18	18 ¹⁸ 13'07	8 ⁸ 39	12 ¹² 36	1 ¹ 25	16 ¹⁶ 15	26 ²⁶ 40	16 ¹⁶ 22	7 ⁷ 13	10 ¹⁰ 42	27 ²⁷ 51	6 ⁶ 39	5 ⁵ 46	21 ²¹ 46	1 ¹ 31	W 2
T 3	23 24 15	19 ¹⁹ 11'44	23 ²³ 39	14 ¹⁴ 29	2 ² 33	16 ¹⁶ 55	26 ²⁶ 51	16 ¹⁶ 19	7 ⁷ 16	10 ¹⁰ 41	27 ²⁷ 50	6 ⁶ 38	5 ⁵ 42	21 ²¹ 52	1 ¹ 37	T 3
F 4	23 28 11	20 ²⁰ 10'23	8 ⁸ 11	16 ¹⁶ 21	3 ³ 41	17 ¹⁷ 35	27 ²⁷ 1	16 ¹⁶ 16	7 ⁷ 20	10 ¹⁰ 40	27 ²⁷ 48	6 ⁶ 36	5 ⁵ 39	21 ²¹ 59	1 ¹ 43	F 4
S 5	23 32 8	21 ²¹ 9'04	23 ²³ 4	18 ¹⁸ 13	4 ⁴ 49	18 ¹⁸ 15	27 ²⁷ 11	16 ¹⁶ 12	7 ⁷ 24	10 ¹⁰ 39	27 ²⁷ 47	6 ⁶ 34	5 ⁵ 36	22 ²² 6	1 ¹ 49	S 5
S 6	23 36 4	22 ²² 7'46	7 ⁷ 19	20 ²⁰ 4	5 ⁵ 57	18 ¹⁸ 55	27 ²⁷ 21	16 ¹⁶ 9	7 ⁷ 27	10 ¹⁰ 38	27 ²⁷ 46	6 ⁶ 33	5 ⁵ 33	22 ²² 12	1 ¹ 54	S 6
M 7	23 40 1	23 ²³ 6'30	21 ²¹ 12	21 ²¹ 54	7 ⁷ 5	19 ¹⁹ 35	27 ²⁷ 32	16 ¹⁶ 6	7 ⁷ 31	10 ¹⁰ 37	27 ²⁷ 45	6 ⁶ D33	5 ⁵ 30	22 ²² 19	2 ² 0	M 7
T 8	23 43 57	24 ²⁴ 5'16	4 ⁴ 32	23 ²³ 43	8 ⁸ 12	20 ²⁰ 16	27 ²⁷ 42	16 ¹⁶ 3	7 ⁷ 35	10 ¹⁰ 36	27 ²⁷ 44	6 ⁶ 33	5 ⁵ 27	22 ²² 26	2 ² 5	T 8
W 9	23 47 54	25 ²⁵ 4'03	17 ¹⁷ 52	25 ²⁵ 32	9 ⁹ 20	20 ²⁰ 56	27 ²⁷ 51	16 ¹⁶ 0	7 ⁷ 39	10 ¹⁰ 35	27 ²⁷ 43	6 ⁶ 34	5 ⁵ 23	22 ²² 33	2 ² 11	W 9
T 10	23 51 51	26 ²⁶ 2'53	0 ⁰ 33	27 ²⁷ 19	10 ¹⁰ 27	21 ²¹ 37	28 ²⁸ 1	15 ¹⁵ 57	7 ⁷ 42	10 ¹⁰ 34	27 ²⁷ 42	6 ⁶ 35	5 ⁵ 20	22 ²² 39	2 ² 16	T 10
F 11	23 55 47	27 ²⁷ 1'44	13 ¹³ 17	29 ²⁹ 6	11 ¹¹ 34	22 ²² 17	28 ²⁸ 11	15 ¹⁵ 54	7 ⁷ 46	10 ¹⁰ 33	27 ²⁷ 40	6 ⁶ 37	5 ⁵ 17	22 ²² 46	2 ² 21	F 11
S 12	23 59 44	28 ²⁸ 0'36	25 ²⁵ 39	0 ⁰ 52	12 ¹² 41	22 ²² 58	28 ²⁸ 21	15 ¹⁵ 51	7 ⁷ 50	10 ¹⁰ 32	27 ²⁷ 39	6 ⁶ 38	5 ⁵ 14	22 ²² 53	2 ² 27	S 12
S 13	0 3 40	28 ²⁸ 59'31	7 ⁷ 51	2 ² 37	13 ¹³ 48	23 ²³ 38	28 ²⁸ 30	15 ¹⁵ 49	7 ⁷ 53	10 ¹⁰ 30	27 ²⁷ 38	6 ⁶ R38	5 ⁵ 11	22 ²² 59	2 ² 32	S 13
M14	0 7 37	29 ²⁹ 58'28	19 ¹⁹ 54	4 ⁴ 21	14 ¹⁴ 55	24 ²⁴ 19	28 ²⁸ 39	15 ¹⁵ 46	7 ⁷ 57	10 ¹⁰ 29	27 ²⁷ 37	6 ⁶ 38	5 ⁵ 7	23 ²³ 6	2 ² 37	M14
T 15	0 11 33	0 ⁰ 57'26	1 ¹ Y51	6 ⁶ 4	16 ¹⁶ 1	24 ²⁴ 59	28 ²⁸ 49	15 ¹⁵ 44	8 ⁸ 1	10 ¹⁰ 28	27 ²⁷ 36	6 ⁶ 36	5 ⁵ 4	23 ²³ 13	2 ² 42	T 15
W16	0 15 30	1 ¹ 56'27	13 ¹³ 44	7 ⁷ 46	17 ¹⁷ 8	25 ²⁵ 40	28 ²⁸ 58	15 ¹⁵ 41	8 ⁸ 5	10 ¹⁰ 27	27 ²⁷ 35	6 ⁶ 33	5 ⁵ 1	23 ²³ 19	2 ² 47	W16
T 17	0 19 26	2 ² 55'29	25 ²⁵ 35	9 ⁹ 27	18 ¹⁸ 14	26 ²⁶ 21	29 ²⁹ 7	15 ¹⁵ 39	8 ⁸ 8	10 ¹⁰ 26	27 ²⁷ 34	6 ⁶ 29	4 ⁴ 58	23 ²³ 26	2 ² 52	T 17
F 18	0 23 23	3 ³ 54'34	7 ⁷ 825	11 ¹¹ 8	19 ¹⁹ 20	27 ²⁷ 2	29 ²⁹ 16	15 ¹⁵ 37	8 ⁸ 12	10 ¹⁰ 24	27 ²⁷ 33	6 ⁶ 24	4 ⁴ 55	23 ²³ 33	2 ² 56	F 18
S 19	0 27 19	4 ⁴ 53'41	19 ¹⁹ 17	12 ¹² 48	20 ²⁰ 26	27 ²⁷ 43	29 ²⁹ 25	15 ¹⁵ 34	8 ⁸ 16	10 ¹⁰ 23	27 ²⁷ 32	6 ⁶ 19	4 ⁴ 52	23 ²³ 39	3 ³ 1	S 19
S 20	0 31 16	5 ⁵ 52'51	1 ¹ II14	14 ¹⁴ 27	21 ²¹ 32	28 ²⁸ 24	29 ²⁹ 33	15 ¹⁵ 32	8 ⁸ 20	10 ¹⁰ 22	27 ²⁷ 31	6 ⁶ 14	4 ⁴ 48	23 ²³ 46	3 ³ 6	S 20
M21	0 35 13	6 ⁶ 52'02	13 ¹³ 20	16 ¹⁶ 5	22 ²² 37	29 ²⁹ 5	29 ²⁹ 42	15 ¹⁵ 30	8 ⁸ 24	10 ¹⁰ 20	27 ²⁷ 30	6 ⁶ 11	4 ⁴ 45	23 ²³ 53	3 ³ 10	M21
T 22	0 39 9	7 ⁷ 51'16	25 ²⁵ 37	17 ¹⁷ 42	23 ²³ 43	29 ²⁹ 46	29 ²⁹ 50	15 ¹⁵ 28	8 ⁸ 27	10 ¹⁰ 19	27 ²⁷ 29	6 ⁶ 9	4 ⁴ 42	23 ²³ 59	3 ³ 15	T 22
W23	0 43 6	8 ⁸ 50'33	8 ⁸ Q10	19 ¹⁹ 18	24 ²⁴ 48	0 ⁰ M27	29 ²⁹ 59	15 ¹⁵ 27	8 ⁸ 31	10 ¹⁰ 18	27 ²⁷ 28	6 ⁶ D8	4 ⁴ 39	24 ²⁴ 6	3 ³ 19	W23
T 24	0 47 2	9 ⁹ 49'52	21 ²¹ 3	20 ²⁰ 54	25 ²⁵ 53	1 ¹ 8	0 ⁰ Q7	15 ¹⁵ 25	8 ⁸ 35	10 ¹⁰ 16	27 ²⁷ 28	6 ⁶ 8	4 ⁴ 36	24 ²⁴ 13	3 ³ 24	T 24
F 25	0 50 59	10 ¹⁰ 49'13	4 ⁴ Q19	22 ²² 29	26 ²⁶ 58	1 ¹ 50	0 ⁰ 15	15 ¹⁵ 23	8 ⁸ 39	10 ¹⁰ 15	27 ²⁷ 27	6 ⁶ 10	4 ⁴ 33	24 ²⁴ 20	3 ³ 28	F 25
S 26	0 54 55	11 ¹¹ 48'36	18 ¹⁸ 2	24 ²⁴ 4	28 ²⁸ 2	2 ² 31	0 ⁰ 23	15 ¹⁵ 22	8 ⁸ 42	10 ¹⁰ 13	27 ²⁷ 26	6 ⁶ 11	4 ⁴ 29	24 ²⁴ 26	3 ³ 32	S 26
S 27	0 58 52	12 ¹² 48'02	2 ² 17	25 ²⁵ 37	29 ²⁹ 7	3 ³ 13	0 ⁰ 30	15 ¹⁵ 20	8 ⁸ 46	10 ¹⁰ 12	27 ²⁷ 25	6 ⁶ R12	4 ⁴ 26	24 ²⁴ 33	3 ³ 37	S 27
M28	1 2 48	13 ¹³ 47'29	16 ¹⁶ 50	27 ²⁷ 10	0 ⁰ 11	3 ³ 54	0 ⁰ 38	15 ¹⁵ 19	8 ⁸ 50	10 ¹⁰ 11	27 ²⁷ 24	6 ⁶ 12	4 ⁴ 23	24 ²⁴ 40	3 ³ 41	M28
T 29	1 6 45	14 ¹⁴ 46'59	1 ¹ Q48	28 ²⁸ 42	1 ¹ 15	4 ⁴ 36	0 ⁰ 46	15 ¹⁵ 18	8 ⁸ 54	10 ¹⁰ 9	27 ²⁷ 23	6 ⁶ 10	4 ⁴ 20	24 ²⁴ 46	3 ³ 45	T 29
W30	1 10 42	15 ¹⁵ 46'32	17 ¹⁷ 1	0 ⁰ M14	2 ² 18	5 ⁵ M17	0 ⁰ Q53	15 ¹⁵ 17	8 ⁸ 58	10 ¹⁰ 8	27 ²⁷ 23	6 ⁶ 17	4 ⁴ 17	24 ²⁴ Y53	3 ³ Q48	W30

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
T 1	5n 3	3n57	1n33	9n14	1n49	12s43	1s11	5s54	0n16	21n 9	0n15	17s15	1s22	2s15	0n39	13n19	1s51	23s51	12s25	9n 5	9n24	5n 2	13n32	6s31					
W 2	4 40	0s52	2 48	8 30	1 48	13 11	1 16	6 10	0 16	21 7	0 15	17 16	1 22	2 16	0 39	13 19	1 51	23 51	12 25	9 6	9 25	5 4	13 30	6 31					
T 3	4 17	5 36	3 52	7 45	1 46	13 38	1 20	6 26	0 15	21 5	0 15	17 17	1 22	2 18	0 39	13 18	1 51	23 51	12 25	9 6	9 26	5 6	13 28	6 32					
F 4	3 54	9 57	4 39	6 59	1 44	14 6	1 24	6 42	0 14	21 3	0 15	17 18	1 22	2 19	0 39	13 18	1 51	23 52	12 25	9 7	9 28	5 7	13 27	6 33					
S 5	3 31	13 37	5 8	6 13	1 41	14 33	1 28	6 58	0 14	21 1	0 16	17 19	1 22	2 20	0 39	13 18	1 51	23 52	12 25	9 7	9 29	5 9	13 25	6 32					
S 6	3 8	16 23	5 16	5 27	1 38	15 0	1 33	7 14	0 13	21 0	0 16	17 20	1 22	2 22	0 39	13 17	1 51	23 52	12 24	9 8	9 30	5 11	13 23	6 33					
M 7	2 45	18 7	5 6	4 40	1 34	15 26	1 37	7 29	0 12	20 58	0 16	17 21	1 22	2 23	0 39	13 17	1 51	23 53	12 24	9 8	9 31	5 13	13 22	6 34					
T 8	2 21	18 46	4 39	3 53	1 30	15 52	1 41	7 45	0 12	20 56	0 16	17 22	1 22	2 25	0 39	13 17	1 51	23 53	12 24	9 8	9 32	5 15	13 20	6 34					
W 9	1 58	18 22	3 58	3 5	1 26	16 18	1 45	8 1	0 11	20 54	0 16	17 23	1 22	2 26	0 39	13 16	1 51	23 53	12 24	9 7	9 33	5 17	13 19	6 35					
T 10	1 34	17 1	3 6	2 18	1 21	16 43	1 50	8 17	0 11	20 52	0 16	17 24	1 22	2 28	0 39	13 16	1 51	23 54	12 24	9 7	9 35	5 19	13 17	6 35					
F 11	1 11	14 52	2 5	1 31	1 16	17 9	1 54	8 33	0 10	20 50	0 16	17 24	1 22	2 29	0 39	13 15	1 51	23 54	12 24	9 6	9 36	5 21	13 15	6 36					
S 12	0 48	12 3	1 0	0 44	1 10	17 33	1 58	8 48	0 9	20 49	0 16	17 25	1 22	2 31	0 39	13 15	1 51	23 54	12 24	9 6	9 37	5 23	13 14	6 36					
S 13	0 24	8 45	0s 7	0s 3	1 5	17 58	2 2	9 4	0 9	20 47	0 17	17 26	1 22	2 32	0 39	13 15	1 51	23 55	12 24	9 6	9 38	5 25	13 12	6 37					
M14	0 1	5 7	1 12	0 50	0 59	18 22	2 6	9 19	0 8	20 45	0 17	17 27	1 22	2 34	0 39	13 14	1 51	23 55	12 24	9 6	9 39	5 27	13 10	6 37					
T 15	0s23	1 19	2 14	1 36	0 53	18 45	2 11	9 35	0 7	20 43	0 17	17 28	1 22	2 35	0 39	13 14	1 51	23 55	12 23	9 7	9 40	5 28	13 9	6 38					
W16	0 46	2n31	3 10	2 22	0 47	19 8	2 15	9 50	0 7	20 42	0 17	17 28	1 22	2 37	0 39	13 13	1 52	23 55	12 23	9 8	9 42	5 30	13 7	6 38					
T 17	1 10	6 14	3 57	3 8	0 41	19 31	2 19	10 6	0 6	20 40	0 17	17 29	1 22	2 38	0 39	13 13	1 52	23 56	12 23	9 9	9 43	5 32	13 5	6 39					
F 18	1 33	9 42	4 34	3 54	0 34	19 53	2 23	10 21	0 5	20 38	0 17	17 30	1 22	2 40	0 39	13 13	1 52	23 56	12 23	9 11	9 44	5 34	13 4	6 39					
S 19	1 57	12 47	4 59	4 39	0 27	20 15	2 27	10 37	0 5	20 36	0 18	17 30	1 22	2 41	0 39	13 12	1 52	23 56	12 23	9 13	9 45	5 36	13 2	6 40					
S 20	2 20	15 22	5 12	5 23	0 21	20 37	2 31	10 52	0 4	20 35	0 18	17 31	1 22	2 43	0 39	13 12	1 52	23 56	12 23	9 15	9 46	5 38	13 1	6 40					
M21	2 44	17 19	5 10	6 7	0 14	20 58	2 35	11 7	0 4	20 33	0 18	17 31	1 21	2 44	0 39	13 11	1 52	23 56	12 23	9 16	9 47	5 40	12 59	6 41					
T 22	3 7	18 31	4 55	6 51	0 7	21 18	2 39	11 22	0 3	20 32	0 18	17 32	1 21	2 46	0 39	13 11	1 52	23 57	12 22	9 17	9 49	5 42	12 58	6 42					
W23	3 31	18 50	4 25	7 34	0 0	21 38	2 42	11 37	0 2	20 30	0 18	17 32	1 21	2 47	0 39	13 10	1 52	23 57	12 22	9 17	9 50	5 44	12 56	6 42					
T 24	3 54	18 11	3 42	8 17	0s 7	21 58	2 46	11 52	0 2	20 28	0 18	17 33	1 21	2 49	0 39	13 10	1 52	23 57	12 22	9 17	9 51	5 46	12 54	6 43					
F 25	4 18	16 33	2 45	8 59	0 14	22 17	2 50	12 7	0 1	20 27	0 18	17 33	1 21	2 50	0 39	13 9	1 52	23 57	12 22	9 16	9 52	5 48	12 53	6 43					
S 26	4 41	13 55	1 38	9 40	0 21	22 35	2 54	12 22	0 0	20 25	0 19	17 34	1 21	2 52	0 39	13 9	1 52	23 57	12 22	9 16	9 53	5 49	12 51	6 44					
S 27	5 4	10 22	0 22	10 21	0 28	22 53	2 57	12 37	0s 0	20 24	0 19	17 34	1 21	2 53	0 39	13 8	1 52	23 57	12 22	9 15	9 54	5 51	12 50	6 45					
M28	5 27	6 6	0m58	11 2	0 35	23 11	3 1	12 52	0 1	20 22	0 19	17 34	1 21	2 55	0 39	13 8	1 52	23 57	12 21	9 16	9 56	5 53	12 48	6 45					
T 29	5 50	6 21	2 15	11 41	0 41	23 28	3 4	13 6	0 1	20 21	0 19	17 35	1 21	2 56	0 39	13 7	1 52	23 58	12 21	9 16	9 57	5 55	12 47	6 46					
W30	6s13	3s34	3n23	12s20	0s48	23s44	3s 8	13s21	0s 2	20n19	0n19	17s35	1s21	2s58	0n39	13n 7	1s52	23s58	12s21	9n18	9n58	5n57	12n45	6s46					

ASTRODIENST EPHEMERIS for the year 1551
geocentric

NOVEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 16 51	17 ¹¹ 48'06	25 ¹¹ 21	8 ¹¹ 57	2 ¹¹ 58	27 ¹¹ 59	3 ¹¹ 25	15 ¹¹ 34	10 ¹¹ 51	9 ¹¹ 15	27 ¹¹ D10	3 ¹¹ R24	2 ¹¹ 35	28 ¹¹ Y27	5 ¹¹ Ω 4	S 1
M 2	3 20 48	18 ¹¹ 48'39	9 ¹¹ 33	9 ¹¹ 19	3 ¹¹ 46	28 ¹¹ 43	3 ¹¹ 27	15 ¹¹ 37	10 ¹¹ 54	9 ¹¹ B13	27 ¹¹ ≈10	3 ¹¹ 16	2 ¹¹ 32	28 ¹¹ 34	5 ¹¹ 5	M 2
T 3	3 24 44	19 ¹¹ 49'14	23 ¹¹ 16	9 ¹¹ 34	4 ¹¹ 33	29 ¹¹ 26	3 ¹¹ 28	15 ¹¹ 39	10 ¹¹ 58	9 ¹¹ 12	27 ¹¹ 10	3 ¹¹ 11	2 ¹¹ 29	28 ¹¹ 41	5 ¹¹ 5	T 3
W 4	3 28 41	20 ¹¹ 49'49	6 ¹¹ 29	9 ¹¹ R40	5 ¹¹ 19	0 ¹¹ 10	3 ¹¹ 30	15 ¹¹ 41	11 ¹¹ 1	9 ¹¹ 10	27 ¹¹ 10	3 ¹¹ 8	2 ¹¹ 25	28 ¹¹ 47	5 ¹¹ 6	W 4
T 5	3 32 38	21 ¹¹ 50'26	19 ¹¹ 16	9 ¹¹ 37	6 ¹¹ 5	0 ¹¹ 54	3 ¹¹ 31	15 ¹¹ 44	11 ¹¹ 4	9 ¹¹ 8	27 ¹¹ 10	3 ¹¹ D 8	2 ¹¹ 22	28 ¹¹ 54	5 ¹¹ 6	T 5
F 6	3 36 34	22 ¹¹ 51'05	1 ¹¹ 41	9 ¹¹ 25	6 ¹¹ 49	1 ¹¹ 37	3 ¹¹ 32	15 ¹¹ 47	11 ¹¹ 7	9 ¹¹ 7	27 ¹¹ 10	3 ¹¹ R 8	2 ¹¹ 19	29 ¹¹ 1	5 ¹¹ 7	F 6
S 7	3 40 31	23 ¹¹ 51'44	13 ¹¹ 49	9 ¹¹ 1	7 ¹¹ 33	2 ¹¹ 21	3 ¹¹ 33	15 ¹¹ 49	11 ¹¹ 10	9 ¹¹ 5	27 ¹¹ 10	3 ¹¹ 7	2 ¹¹ 16	29 ¹¹ 7	5 ¹¹ 7	S 7
S 8	3 44 27	24 ¹¹ 52'24	25 ¹¹ 47	8 ¹¹ 27	8 ¹¹ 15	3 ¹¹ 5	3 ¹¹ 33	15 ¹¹ 52	11 ¹¹ 13	9 ¹¹ 4	27 ¹¹ 10	3 ¹¹ 6	2 ¹¹ 13	29 ¹¹ 14	5 ¹¹ R 7	S 8
M 9	3 48 24	25 ¹¹ 53'06	7 ¹¹ Y38	7 ¹¹ 42	8 ¹¹ 56	3 ¹¹ 49	3 ¹¹ 34	15 ¹¹ 55	11 ¹¹ 16	9 ¹¹ 2	27 ¹¹ 10	3 ¹¹ 1	2 ¹¹ 10	29 ¹¹ 21	5 ¹¹ 7	M 9
T 10	3 52 20	26 ¹¹ 53'49	19 ¹¹ 27	6 ¹¹ 47	9 ¹¹ 36	4 ¹¹ 33	3 ¹¹ 34	15 ¹¹ 58	11 ¹¹ 19	9 ¹¹ 0	27 ¹¹ 11	2 ¹¹ 54	2 ¹¹ 6	29 ¹¹ 28	5 ¹¹ 7	T 10
W11	3 56 17	27 ¹¹ 54'33	1 ¹¹ 817	5 ¹¹ 43	10 ¹¹ 15	5 ¹¹ 17	3 ¹¹ R34	16 ¹¹ 1	11 ¹¹ 22	8 ¹¹ 59	27 ¹¹ 11	2 ¹¹ 44	2 ¹¹ 3	29 ¹¹ 34	5 ¹¹ 6	W11
T 12	4 0 13	28 ¹¹ 55'18	13 ¹¹ 11	4 ¹¹ 31	10 ¹¹ 53	6 ¹¹ 1	3 ¹¹ 34	16 ¹¹ 4	11 ¹¹ 25	8 ¹¹ 57	27 ¹¹ 11	2 ¹¹ 31	2 ¹¹ 0	29 ¹¹ 41	5 ¹¹ 6	T 12
F 13	4 4 10	29 ¹¹ 56'04	25 ¹¹ 11	3 ¹¹ 12	11 ¹¹ 29	6 ¹¹ 45	3 ¹¹ 34	16 ¹¹ 8	11 ¹¹ 27	8 ¹¹ 56	27 ¹¹ 11	2 ¹¹ 17	1 ¹¹ 57	29 ¹¹ 48	5 ¹¹ 6	F 13
S 14	4 8 6	0 ¹¹ 56'52	7 ¹¹ 117	1 ¹¹ 51	12 ¹¹ 4	7 ¹¹ 29	3 ¹¹ 33	16 ¹¹ 11	11 ¹¹ 30	8 ¹¹ 54	27 ¹¹ 12	2 ¹¹ 2	1 ¹¹ 54	29 ¹¹ 54	5 ¹¹ 5	S 14
S 15	4 12 3	1 ¹¹ 57'41	19 ¹¹ 31	0 ¹¹ 28	12 ¹¹ 37	8 ¹¹ 13	3 ¹¹ 32	16 ¹¹ 14	11 ¹¹ 33	8 ¹¹ 53	27 ¹¹ 12	1 ¹¹ 47	1 ¹¹ 50	0 ¹¹ 8 1	5 ¹¹ 4	S 15
M16	4 16 0	2 ¹¹ 58'31	1 ¹¹ 554	29 ¹¹ 11 7	13 ¹¹ 9	8 ¹¹ 57	3 ¹¹ 32	16 ¹¹ 18	11 ¹¹ 36	8 ¹¹ 51	27 ¹¹ 12	1 ¹¹ 35	1 ¹¹ 47	0 ¹¹ 8	5 ¹¹ 4	M16
T 17	4 19 56	3 ¹¹ 59'22	14 ¹¹ 25	27 ¹¹ 51	13 ¹¹ 40	9 ¹¹ 42	3 ¹¹ 30	16 ¹¹ 22	11 ¹¹ 38	8 ¹¹ 49	27 ¹¹ 13	1 ¹¹ 26	1 ¹¹ 44	0 ¹¹ 14	5 ¹¹ 3	T 17
W18	4 23 53	5 ¹¹ 0'15	27 ¹¹ 7	26 ¹¹ 43	14 ¹¹ 9	10 ¹¹ 26	3 ¹¹ 29	16 ¹¹ 25	11 ¹¹ 41	8 ¹¹ 48	27 ¹¹ 13	1 ¹¹ 19	1 ¹¹ 41	0 ¹¹ 21	5 ¹¹ 2	W18
T 19	4 27 49	6 ¹¹ 1'09	10 ¹¹ Ω 2	25 ¹¹ 43	14 ¹¹ 36	11 ¹¹ 11	3 ¹¹ 28	16 ¹¹ 29	11 ¹¹ 44	8 ¹¹ 47	27 ¹¹ 14	1 ¹¹ 16	1 ¹¹ 38	0 ¹¹ 28	5 ¹¹ 1	T 19
F 20	4 31 46	7 ¹¹ 2'04	23 ¹¹ 11	24 ¹¹ 53	15 ¹¹ 2	11 ¹¹ 55	3 ¹¹ 26	16 ¹¹ 33	11 ¹¹ 46	8 ¹¹ 45	27 ¹¹ 14	1 ¹¹ 14	1 ¹¹ 35	0 ¹¹ 35	5 ¹¹ 0	F 20
S 21	4 35 42	8 ¹¹ 3'01	6 ¹¹ 138	24 ¹¹ 14	15 ¹¹ 26	12 ¹¹ 40	3 ¹¹ 24	16 ¹¹ 37	11 ¹¹ 49	8 ¹¹ 44	27 ¹¹ 15	1 ¹¹ 14	1 ¹¹ 31	0 ¹¹ 41	4 ¹¹ 58	S 21
S 22	4 39 39	9 ¹¹ 3'59	20 ¹¹ 25	23 ¹¹ 47	15 ¹¹ 48	13 ¹¹ 24	3 ¹¹ 22	16 ¹¹ 41	11 ¹¹ 51	8 ¹¹ 42	27 ¹¹ 15	1 ¹¹ 14	1 ¹¹ 28	0 ¹¹ 48	4 ¹¹ 57	S 22
M23	4 43 36	10 ¹¹ 4'58	4 ¹¹ Ω 33	23 ¹¹ 31	16 ¹¹ 8	14 ¹¹ 9	3 ¹¹ 20	16 ¹¹ 45	11 ¹¹ 54	8 ¹¹ 41	27 ¹¹ 16	1 ¹¹ 12	1 ¹¹ 25	0 ¹¹ 55	4 ¹¹ 55	M23
T 24	4 47 32	11 ¹¹ 5'58	19 ¹¹ 1	23 ¹¹ D26	16 ¹¹ 26	14 ¹¹ 54	3 ¹¹ 17	16 ¹¹ 49	11 ¹¹ 56	8 ¹¹ 39	27 ¹¹ 16	1 ¹¹ 8	1 ¹¹ 22	1 ¹¹ 1	4 ¹¹ 54	T 24
W25	4 51 29	12 ¹¹ 7'00	3 ¹¹ 11 47	23 ¹¹ 31	16 ¹¹ 42	15 ¹¹ 38	3 ¹¹ 14	16 ¹¹ 54	11 ¹¹ 58	8 ¹¹ 38	27 ¹¹ 17	1 ¹¹ 1	1 ¹¹ 19	1 ¹¹ 8	4 ¹¹ 52	W25
T 26	4 55 25	13 ¹¹ 8'02	18 ¹¹ 45	23 ¹¹ 46	16 ¹¹ 56	16 ¹¹ 23	3 ¹¹ 11	16 ¹¹ 58	12 ¹¹ 1	8 ¹¹ 37	27 ¹¹ 17	0 ¹¹ 51	1 ¹¹ 16	1 ¹¹ 15	4 ¹¹ 50	T 26
F 27	4 59 22	14 ¹¹ 9'06	3 ¹¹ 145	24 ¹¹ 10	17 ¹¹ 8	17 ¹¹ 8	3 ¹¹ 8	17 ¹¹ 2	12 ¹¹ 3	8 ¹¹ 35	27 ¹¹ 18	0 ¹¹ 40	1 ¹¹ 12	1 ¹¹ 21	4 ¹¹ 48	F 27
S 28	5 3 18	15 ¹¹ 10'10	18 ¹¹ 39	24 ¹¹ 41	17 ¹¹ 18	17 ¹¹ 53	3 ¹¹ 5	17 ¹¹ 7	12 ¹¹ 5	8 ¹¹ 34	27 ¹¹ 19	0 ¹¹ 28	1 ¹¹ 9	1 ¹¹ 28	4 ¹¹ 46	S 28
S 29	5 7 15	16 ¹¹ 11'15	3 ¹¹ Ω 16	25 ¹¹ 19	17 ¹¹ 26	18 ¹¹ 38	3 ¹¹ 2	17 ¹¹ 12	12 ¹¹ 7	8 ¹¹ 33	27 ¹¹ 19	0 ¹¹ 18	1 ¹¹ 6	1 ¹¹ 35	4 ¹¹ 44	S 29
M30	5 11 11	17 ¹¹ 12'21	17 ¹¹ Ω 30	26 ¹¹ 11 4	17 ¹¹ Ω 31	19 ¹¹ 123	2 ¹¹ Ω 58	17 ¹¹ ≈16	12 ¹¹ Ω 9	8 ¹¹ Ω 32	27 ¹¹ ≈20	0 ¹¹ 13 9	1 ¹¹ 13 3	1 ¹¹ Ω 42	4 ¹¹ Ω 42	M30

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	17s11	18s45	4n40	24s13	2s24	27s22	3s54	20s 6	0s22	19n50	0n25	17s28	1s19	3s42	0n39	12n50	1s52	23s55	12s14	10n17	10n35	6n58	12n 6	7s 9	7s 9	7s 9	7s 9
M 2	17 28	19 6	4 4	24 10	2 17	27 19	3 53	20 17	0 22	19 50	0 25	17 27	1 19	3 43	0 39	12 50	1 52	23 55	12 13	10 20	10 36	7 0	12 6	7 9	7 9	7 9	7 9
T 3	17 44	18 17	3 15	24 4	2 9	27 16	3 51	20 27	0 23	19 50	0 25	17 26	1 19	3 45	0 39	12 49	1 52	23 55	12 13	10 22	10 37	7 2	12 5	7 10	7 10	7 10	7 10
W 4	18 0	16 30	2 16	23 55	1 59	27 13	3 50	20 37	0 23	19 50	0 25	17 25	1 19	3 46	0 39	12 49	1 52	23 55	12 13	10 23	10 38	7 4	12 5	7 11	7 11	7 11	7 11
T 5	18 16	13 56	1 13	23 43	1 48	27 9	3 48	20 46	0 24	19 50	0 26	17 25	1 19	3 47	0 39	12 48	1 52	23 54	12 13	10 23	10 39	7 5	12 3	7 11	7 11	7 11	7 11
F 6	18 32	10 47	0 8	23 28	1 35	27 4	3 45	20 56	0 25	19 50	0 26	17 24	1 19	3 48	0 39	12 48	1 52	23 54	12 12	10 23	10 40	7 7	12 2	7 12	7 12	7 12	7 12
S 7	18 47	7 15	0s56	23 10	1 20	26 59	3 43	21 5	0 25	19 50	0 26	17 23	1 19	3 49	0 39	12 47	1 52	23 54	12 12	10 23	10 42	7 9	12 2	7 13	7 13	7 13	7 13
S 8	19 2	3 28	1 57	22 49	1 4	26 53	3 40	21 15	0 26	19 50	0 26	17 22	1 19	3 50	0 40	12 47	1 52	23 53	12 12	10 24	10 43	7 11	12 1	7 14	7 14	7 14	7 14
M 9	19 16	0n24	2 52	22 25	0 47	26 48	3 36	21 24	0 26	19 50	0 26	17 21	1 19	3 52	0 40	12 46	1 52	23 53	12 11	10 25	10 44	7 13	12 0	7 14	7 14	7 14	7 14
T 10	19 31	4 15	3 39	21 57	0 28	26 41	3 33	21 32	0 27	19 50	0 27	17 20	1 18	3 53	0 40	12 46	1 52	23 53	12 11	10 28	10 45	7 15	12 0	7 15	7 15	7 15	7 15
W11	19 44	7 56	4 16	21 27	0 8	26 34	3 29	21 41	0 27	19 50	0 27	17 19	1 18	3 54	0 40	12 45	1 52	23 52	12 11	10 32	10 46	7 17	11 59	7 16	7 16	7 16	7 16
T 12	19 58	11 20	4 43	20 54	0n12	26 27	3 25	21 49	0 28	19 50	0 27	17 18	1 18	3 55	0 40	12 45	1 52	23 52	12 11	10 36	10 47	7 19	11 58	7 16	7 16	7 16	7 16
F 13	20 11	14 18	4 57	20 19	0 33	26 20	3 21	21 57	0 29	19 51	0 27	17 17	1 18	3 56	0 40	12 44	1 52	23 52	12 10	10 41	10 48	7 21	11 58	7 17	7 17	7 17	7 17
S 14	20 24	16 41	4 58	19 43	0 53	26 12	3 16	22 5	0 29	19 51	0 27	17 16	1 18	3 57	0 40	12 44	1 52	23 51	12 10	10 47	10 50	7 22	11 57	7 18	7 18	7 18	7 18
S 15	20 36	18 20	4 45	19 7	1 12	26 4	3 11	22 13	0 30	19 51	0 28	17 15	1 18	3 58	0 40	12 43	1 52	23 51	12 10	10 52	10 51	7 24	11 57	7 18	7 18	7 18	7 18
M16	20 48	19 10	4 19	18 32	1 31	25 55	3 5	22 21	0 30	19 52	0 28	17 14	1 18	3 59	0 40	12 43	1 52	23 51	12 10	10 56	10 52	7 26	11 56	7 19	7 19	7 19	7 19
T 17	21 0	19 4	3 40	17 59	1 47	25 46	3 0	22 28	0 31	19 52	0 28	17 13	1 18	4 0	0 40	12 42	1 52	23 50	12 9	11 0	10 53	7 28	11 56	7 20	7 20	7 20	7 20
W18	21 11	18 1	2 50	17 29	2 2	25 37	2 53	22 35	0 31	19 53	0 28	17 11	1 18	4 1	0 40	12 42	1 52	23 50	12 9	11 2	10 54	7 30	11 55	7 21	7 21	7 21	7 21
T 19	21 22	16 1	1 50	17 3	2 14	25 27	2 47	22 42	0 32	19 53	0 28	17 10	1 18	4 2	0 40	12 42	1 52	23 50	12 9	11 3	10 55	7 32	11 55	7 21	7 21	7 21	7 21
F 20	21 32	13 9	0 42	16 41	2 25	25 18	2 40	22 48	0 32	19 54	0 29	17 9	1 18	4 3	0 40	12 41	1 52	23 49	12 9	11 4	10 56	7 34	11 55	7 22	7 22	7 22	7 22
S 21	21 42	9 32	0n29	16 24	2 33	25 8	2 33	22 55	0 33	19 55	0 29	17 8	1 18	4 4	0 40	12 41	1 52	23 49	12 8	11 4	10 57	7 36	11 54	7 23	7 23	7 23	7 23
S 22	21 52	5 20	1 40	16 12	2 39	24 57	2 25	23 1	0 34	19 55	0 29	17 7	1 18	4 5	0 40	12 40	1 52	23 48	12 8	11 4	10 59	7 38	11 54	7 23	7 23	7 23	7 23
M23	22 1	0 44	2 46	16 4	2 43	24 47	2 17	23 7	0 34	19 56	0 29	17 5	1 18	4 6	0 40	12 40	1 52	23 48	12 8	11 4	11 0	7 39	11 54	7 24	7 24	7 24	7 24
T 24	22 10	4s 1	3 44	16 1	2 45	24 36	2 8	23 13	0 35	19 57	0 29	17 4	1 18	4 7	0 40	12 39	1 52	23 47	12 8	11 6	11 1	7 41	11 53	7 24	7 24	7 24	7 24
W25	22 18	8 36	4 28	16 2	2 45	24 25	1 59	23 18	0 35	19 58	0 30	17 3	1 18	4 8	0 40	12 39	1 52	23 47	12 7	11 8	11 2	7 43	11 53	7 25	7 25	7 25	7 25
T 26	22 26	12 43	4 54	16 6	2 45	24 14	1 50	23 23	0 36	19 58	0 30	17 1	1 18	4 9	0 40	12 39	1 52	23 47	12 7	11 12	11 3	7 45	11 53	7 26	7 26	7 26	7 26
F 27	22 33	16 2	5 0	16 14	2 42	24 3	1 40	23 28	0 36	19 59	0 30	17 0	1 18	4 10	0 40	12 38	1 52	23 46	12 7	11 16	11 4	7 47	11 53	7 26	7 26	7 26	7 26
S 28	22 40	18 15	4 46	16 25	2 39	23 51	1 30	23 33	0 37	20 0	0 30	16 58	1 17	4 10	0 40	12 38	1 52	23 45	12 7	11 20	11 5	7 49	11 53	7 27	7 27	7 27	7 27
S 29	22 47	19 14	4 13	16 38	2 35	23 40	1 19	23 38	0 37	20 1	0 31	16 57	1 17	4 11	0 40	12 38	1 51	23 45	12 6	11 24	11 7	7 51	11 52	7 28	7 28	7 28	7 28
M30	22s53	18s58	3n25	16s53	2n30	23s28	1s 8	23s42	0s38	20n 2	0n31	16s55	1s17	4s12	0n40	12n37	1s51	23s45	12s 6	11n27	11n 8	7n53	11n52	7s28	7s28	7s28	7s28

ASTRODIENST EPHEMERIS for the year 1551
geocentric

DECEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 15 8	18°13'28	1°17	26°54	17°33	20°8	2°R54	17°21	12°11	8°R30	27°21	0°R 3	1°0	1°48	4°R40	T 1
W 2	5 19 5	19°14'34	14°36	27°49	17°R34	20°53	2°L50	17°26	12°13	8°R29	27°22	29°R59	0°56	1°55	4°R38	W 2
T 3	5 23 1	20°15'41	27°28	28°48	17°32	21°38	2°46	17°31	12°15	8°28	27°22	29°D59	0°53	2° 2	4°35	T 3
F 4	5 26 58	21°16'48	9°57	29°51	17°27	22°23	2°42	17°36	12°17	8°27	27°23	29°59	0°50	2° 8	4°33	F 4
S 5	5 30 54	22°17'56	22° 9	0°57	17°20	23° 8	2°37	17°41	12°19	8°26	27°24	29°R59	0°47	2°15	4°30	S 5
S 6	5 34 51	23°19'04	4°8	2° 7	17°10	23°54	2°32	17°46	12°21	8°25	27°25	29°59	0°44	2°22	4°27	S 6
M 7	5 38 47	24°20'11	15°59	3°18	16°58	24°39	2°27	17°51	12°23	8°24	27°26	29°56	0°41	2°29	4°25	M 7
T 8	5 42 44	25°21'20	27°49	4°32	16°44	25°24	2°22	17°57	12°25	8°23	27°27	29°51	0°37	2°35	4°22	T 8
W 9	5 46 40	26°22'28	9°41	5°48	16°26	26°10	2°17	18° 2	12°26	8°22	27°28	29°43	0°34	2°42	4°19	W 9
T 10	5 50 37	27°23'36	21°38	7° 6	16° 7	26°55	2°12	18° 7	12°28	8°21	27°29	29°33	0°31	2°49	4°16	T 10
F 11	5 54 34	28°24'45	3°45	8°25	15°45	27°41	2° 6	18°13	12°29	8°20	27°30	29°22	0°28	2°55	4°12	F 11
S 12	5 58 30	29°25'53	16° 1	9°45	15°21	28°26	2° 1	18°18	12°31	8°19	27°31	29°10	0°25	3° 2	4° 9	S 12
S 13	6 2 27	0°27'02	28°29	11° 7	14°55	29°12	1°55	18°24	12°32	8°18	27°32	28°59	0°21	3° 9	4° 6	S 13
M14	6 6 23	1°28'11	11°8	12°30	14°27	29°57	1°49	18°30	12°34	8°17	27°33	28°49	0°18	3°15	4° 3	M14
T 15	6 10 20	2°29'21	23°58	13°53	13°57	0°43	1°43	18°35	12°35	8°16	27°34	28°41	0°15	3°22	3°59	T 15
W16	6 14 16	3°30'30	7°0	15°18	13°25	1°29	1°37	18°41	12°36	8°15	27°35	28°36	0°12	3°29	3°56	W16
T 17	6 18 13	4°31'40	20°12	16°43	12°52	2°14	1°30	18°47	12°38	8°14	27°36	28°34	0° 9	3°36	3°52	T 17
F 18	6 22 9	5°32'50	3°15	18° 9	12°18	3° 0	1°24	18°53	12°39	8°14	27°37	28°D34	0° 6	3°42	3°49	F 18
S 19	6 26 6	6°34'00	17°10	19°36	11°43	3°46	1°17	18°59	12°40	8°13	27°38	28°35	0° 2	3°49	3°45	S 19
S 20	6 30 3	7°35'10	0°58	21° 4	11° 7	4°32	1°10	19° 5	12°41	8°12	27°39	28°R36	29°R59	3°56	3°41	S 20
M21	6 33 59	8°36'20	14°58	22°32	10°30	5°18	1° 3	19°11	12°42	8°12	27°40	28°36	29°56	4° 2	3°37	M21
T 22	6 37 56	9°37'31	29°11	24° 0	9°54	6° 4	0°56	19°17	12°43	8°11	27°42	28°34	29°53	4° 9	3°33	T 22
W23	6 41 52	10°38'42	13°55	25°30	9°17	6°50	0°49	19°23	12°44	8°10	27°43	28°30	29°50	4°16	3°29	W23
T 24	6 45 49	11°39'53	28° 6	26°59	8°41	7°36	0°42	19°29	12°45	8°10	27°44	28°24	29°47	4°23	3°25	T 24
F 25	6 49 45	12°41'04	12°38	28°29	8° 5	8°22	0°35	19°36	12°46	8° 9	27°45	28°17	29°43	4°29	3°21	F 25
S 26	6 53 42	13°42'15	27° 6	0°30	7°30	9° 8	0°28	19°42	12°47	8° 9	27°46	28° 9	29°40	4°36	3°17	S 26
S 27	6 57 38	14°43'26	11°23	1°31	6°55	9°54	0°20	19°48	12°47	8° 8	27°48	28° 2	29°37	4°43	3°13	S 27
M28	7 1 35	15°44'36	25°23	3° 3	6°22	10°40	0°13	19°55	12°48	8° 8	27°49	27°56	29°34	4°49	3° 9	M28
T 29	7 5 32	16°45'46	9°3	4°35	5°51	11°27	0° 5	20° 1	12°48	8° 7	27°50	27°53	29°31	4°56	3° 5	T 29
W30	7 9 28	17°46'55	22°19	6° 8	5°21	12°13	29°57	20° 8	12°49	8° 7	27°52	27°D51	29°28	5° 3	3° 0	W30
T 31	7 13 25	18°48'04	5°12	7°41	4°53	12°59	29°50	20°14	12°49	8° 7	27°53	27°L51	29°L24	5°10	2°L56	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s58	17s33	2n26	17s10	2n25	23s16	0s56	23s46	0s38	20n 3	0n31	16s54	1s17	4s13	0n40	12n37
W 2	23 3 15 12	1 21 17 28	2 19 23 4	0 44 23 50	0 39 20 5	0 31 16 52	1 17 4 14	0 40 12 36	1 51 23 44	12 6 11 30	11 10 7 56	11 52 7 29				
T 3	23 8 12 10	0 13 17 48	2 12 22 52	0 31 23 53	0 39 20 6	0 31 16 51	1 17 4 14	0 40 12 36	1 51 23 43	12 5 11 30	11 11 7 58	11 52 7 30				
F 4	23 12 8 40	0s53 18 8	2 5 22 40	0 19 23 56	0 40 20 7	0 31 16 49	1 17 4 15	0 40 12 36	1 51 23 43	12 5 11 30	11 12 8 0	11 52 7 31				
S 5	23 16 4 53	1 55 18 29	1 58 22 27	0 5 23 59	0 40 20 8	0 32 16 48	1 17 4 16	0 40 12 36	1 51 23 42	12 5 11 30	11 13 8 2	11 52 7 31				
S 6	23 20 0 58	2 51 18 50	1 50 22 15	0n 9 24 2	0 41 20 9	0 32 16 46	1 17 4 16	0 40 12 35	1 51 23 42	12 5 11 30	11 14 8 4	11 52 7 32				
M 7	23 22 2n56	3 39 19 11	1 43 22 2	0 23 24 5	0 41 20 11	0 32 16 44	1 17 4 17	0 40 12 35	1 51 23 41	12 4 11 31	11 16 8 6	11 53 7 32				
T 8	23 25 6 42	4 18 19 33	1 35 21 50	0 37 24 7	0 42 20 12	0 32 16 43	1 17 4 18	0 40 12 35	1 51 23 41	12 4 11 33	11 17 8 8	11 53 7 33				
W 9	23 27 10 14	4 45 19 54	1 27 21 37	0 52 24 9	0 42 20 13	0 32 16 41	1 17 4 18	0 40 12 34	1 51 23 40	12 4 11 36	11 18 8 10	11 53 7 33				
T 10	23 28 13 23	5 0 20 15	1 19 21 25	1 7 24 11	0 43 20 15	0 33 16 39	1 17 4 19	0 40 12 34	1 51 23 39	12 4 11 39	11 19 8 11	11 53 7 34				
F 11	23 29 16 0	5 2 20 36	1 11 21 12	1 22 24 12	0 43 20 16	0 33 16 38	1 17 4 20	0 40 12 34	1 51 23 39	12 4 11 43	11 20 8 13	11 53 7 34				
S 12	23 30 17 57	4 51 20 56	1 3 21 0	1 38 24 13	0 44 20 18	0 33 16 36	1 17 4 20	0 40 12 34	1 51 23 38	12 3 11 47	11 21 8 15	11 54 7 35				
S 13	23 30 19 5	4 25 21 16	0 55 20 47	1 53 24 14	0 44 20 19	0 33 16 34	1 17 4 21	0 40 12 33	1 51 23 38	12 3 11 51	11 22 8 17	11 54 7 35				
M14	23 29 19 17	3 45 21 35	0 47 20 34	2 9 24 15	0 45 20 21	0 33 16 32	1 17 4 21	0 40 12 33	1 51 23 37	12 3 11 55	11 23 8 19	11 54 7 36				
T 15	23 28 18 30	2 54 21 53	0 39 20 22	2 25 24 15	0 45 20 22	0 34 16 30	1 17 4 22	0 41 12 33	1 51 23 37	12 3 11 58	11 25 8 21	11 55 7 36				
W16	23 27 16 45	1 53 22 10	0 31 20 10	2 40 24 15	0 46 20 24	0 34 16 29	1 17 4 22	0 41 12 33	1 51 23 36	12 3 11 59	11 26 8 23	11 55 7 36				
T 17	23 25 14 5	0 45 22 27	0 23 19 57	2 56 24 15	0 46 20 25	0 34 16 27	1 17 4 23	0 41 12 32	1 51 23 36	12 2 12 0	11 27 8 25	11 55 7 37				
F 18	23 23 10 38	0n27 22 43	0 15 19 45	3 11 24 14	0 47 20 27	0 34 16 25	1 17 4 23	0 41 12 32	1 51 23 35	12 2 12 0	11 28 8 26	11 56 7 37				
S 19	23 20 6 35	1 38 22 58	0 8 19 33	3 26 24 14	0 47 20 29	0 34 16 23	1 17 4 23	0 41 12 32	1 50 23 34	12 2 12 0	11 29 8 28	11 56 7 38				
S 20	23 17 2 8	2 45 23 12	0 0 19 21	3 41 24 13	0 48 20 30	0 35 16 21	1 17 4 24	0 41 12 32	1 50 23 34	12 2 11 59	11 30 8 30	11 57 7 38				
M21	23 13 2s29	3 43 23 24	0s 7 19 10	3 56 24 12	0 48 20 32	0 35 16 19	1 17 4 24	0 41 12 32	1 50 23 33	12 2 11 59	11 31 8 32	11 57 7 38				
T 22	23 9 7 1	4 29 23 36	0 15 18 59	4 10 24 10	0 49 20 34	0 35 16 17	1 17 4 25	0 41 12 32	1 50 23 33	12 1 12 0	11 32 8 34	11 58 7 39				
W23	23 4 11 13	4 57 23 47	0 22 18 48	4 23 24 8	0 49 20 35	0 35 16 15	1 17 4 25	0 41 12 31	1 50 23 32	12 1 12 1	11 34 8 36	11 58 7 39				
T 24	22 59 14 47	5 8 23 56	0 29 18 37	4 36 24 6	0 50 20 37	0 35 16 13	1 17 4 25	0 41 12 31	1 50 23 31	12 1 12 3	11 35 8 38	11 59 7 39				
F 25	22 53 17 26	4 58 24 5	0 35 18 27	4 48 24 4	0 50 20 39	0 35 16 11	1 17 4 26	0 41 12 31	1 50 23 31	12 1 12 6	11 36 8 40	11 59 7 40				
S 26	22 47 18 58	4 30 24 12	0 42 18 17	5 0 24 1	0 50 20 41	0 36 16 9	1 17 4 26	0 41 12 31	1 50 23 30	12 1 12 9	11 37 8 41	12 0 7 40				
S 27	22 41 19 16	3 45 24 18	0 48 18 8	5 11 23 58	0 51 20 42	0 36 16 7	1 17 4 26	0 41 12 31	1 50 23 30	12 1 12 11	11 38 8 43	12 1 7 40				
M28	22 34 18 23	2 47 24 22	0 55 17 59	5 22 23 55	0 51 20 44	0 36 16 5	1 17 4 26	0 41 12 31	1 50 23 29	12 0 12 13	11 39 8 45	12 1 7 41				
T 29	22 26 16 26	1 40 24 25	1 1 17 51	5 31 23 52	0 52 20 46	0 36 16 3	1 17 4 26	0 41 12 31	1 50 23 28	12 0 12 14	11 40 8 47	12 2 7 41				
W30	22 19 13 38	0 30 24 27	1 6 17 43	5 40 23 48	0 52 20 48	0 36 16 1	1 17 4 27	0 41 12 31	1 50 23 28	12 0 12 15	11 41 8 49	12 3 7 41				
T 31	22s10	10s15	0s40	24s28	1s12	17s36	5n48	23s44	0s53	20n50	0n36	15s59	1s17	4s27	0n41	12n31

Julian Day Number = 2287894.5, Delta T = 175.71 sec

Ecliptic obliquity = 23°29'42", Nutation = - 0°00'09", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°29'16", Lahiri = 17°36'16" Julian Calendar 1 Dec. 1551 == Greg. Calendar 11 Dec. 1551