



Astrodienst Ephemeris Tables for the year 1499

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 1499

geocentric

JANUARY 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 16 43	19°34'03	29°02'29	4°35'59	6°41'29	0°31'31	27°34'4	0°11'11	20°17'17	12°45'45	22°11'11	5°R 6	4°26'26	8°52'52	6°R40	T 1
W 2	7 20 39	20°42'09	13°08'8	6°30'30	7°33'33	1°12'12	27°19'19	0°12'12	20°20'20	12°47'47	22°13'13	5°4'4	4°23'23	8°58'58	6°II38	W 2
T 3	7 24 36	21°43'14	26°57'57	8°1'1	8°36'36	1°52'52	27°33'33	0°13'13	20°23'23	12°49'49	22°14'14	5°2'2	4°20'20	9°5'5	6°36'36	T 3
F 4	7 28 32	22°44'19	10°56'56	9°34'34	9°39'39	2°33'33	27°47'47	0°15'15	20°26'26	12°51'51	22°16'16	5°1'1	4°17'17	9°12'12	6°34'34	F 4
S 5	7 32 29	23°45'24	25°1'1	11°6'6	10°42'42	3°13'13	28°1'1	0°16'16	20°29'29	12°54'54	22°17'17	5°D 0	4°14'14	9°19'19	6°31'31	S 5
S 6	7 36 25	24°46'28	9°13'13	12°40'40	11°45'45	3°54'54	28°15'15	0°17'17	20°32'32	12°56'56	22°18'18	5°1'1	4°10'10	9°25'25	6°29'29	S 6
M 7	7 40 22	25°47'32	23°28'28	14°14'14	12°47'47	4°35'35	28°30'30	0°19'19	20°36'36	12°58'58	22°20'20	5°2'2	4°7'7	9°32'32	6°27'27	M 7
T 8	7 44 19	26°48'35	7°44'44	15°48'48	13°48'48	5°15'15	28°44'44	0°21'21	20°39'39	13°0'0	22°21'21	5°4'4	4°4'4	9°39'39	6°25'25	T 8
W 9	7 48 15	27°49'38	21°59'59	17°23'23	14°49'49	5°56'56	28°58'58	0°22'22	20°42'42	13°3'3	22°22'22	5°5'5	4°1'1	9°45'45	6°24'24	W 9
T 10	7 52 12	28°50'40	6°3'8	18°59'59	15°50'50	6°37'37	29°12'12	0°24'24	20°45'45	13°5'5	22°24'24	5°R 5	3°58'58	9°52'52	6°22'22	T 10
F 11	7 56 8	29°51'41	20°8'8	20°35'35	16°51'51	7°17'17	29°26'26	0°26'26	20°49'49	13°7'7	22°25'25	5°5'5	3°55'55	9°59'59	6°20'20	F 11
S 12	8 0 5	0°52'42	3°55'55	22°12'12	17°50'50	7°58'58	29°41'41	0°29'29	20°52'52	13°9'9	22°26'26	5°2'2	3°51'51	10°5'5	6°18'18	S 12
S 13	8 4 1	1°53'41	17°26'26	23°50'50	18°50'50	8°39'39	29°55'55	0°31'31	20°55'55	13°11'11	22°27'27	4°59'59	3°48'48	10°12'12	6°17'17	S 13
M14	8 7 58	2°54'39	0°38'38	25°28'28	19°49'49	9°19'19	0°33'33	0°33'33	20°59'59	13°14'14	22°28'28	4°54'54	3°45'45	10°19'19	6°15'15	M14
T 15	8 11 54	3°55'36	13°31'31	27°7'7	20°47'47	10°0'0	0°23'23	0°36'36	21°2'2	13°16'16	22°29'29	4°49'49	3°42'42	10°25'25	6°14'14	T 15
W16	8 15 51	4°56'32	26°6'6	28°47'47	21°45'45	10°41'41	0°38'38	0°38'38	21°5'5	13°18'18	22°30'30	4°45'45	3°39'39	10°32'32	6°12'12	W16
T 17	8 19 48	5°57'26	8°24'24	0°27'27	22°43'43	11°22'22	0°52'52	0°41'41	21°9'9	13°20'20	22°31'31	4°40'40	3°36'36	10°39'39	6°11'11	T 17
F 18	8 23 44	6°58'19	20°29'29	2°8'8	23°40'40	12°3'3	1°6'6	0°43'43	21°12'12	13°22'22	22°32'32	4°38'38	3°32'32	10°46'46	6°10'10	F 18
S 19	8 27 41	7°59'11	2°24'24	3°50'50	24°36'36	12°43'43	1°20'20	0°46'46	21°15'15	13°24'24	22°33'33	4°36'36	3°29'29	10°52'52	6°9'9	S 19
S 20	8 31 37	9°0'01	14°15'15	5°33'33	25°32'32	13°24'24	1°34'34	0°49'49	21°19'19	13°26'26	22°34'34	4°D36	3°26'26	10°59'59	6°8'8	S 20
M21	8 35 34	10°0'50	26°6'6	7°16'16	26°27'27	14°5'5	1°49'49	0°52'52	21°22'22	13°29'29	22°35'35	4°37'37	3°23'23	11°6'6	6°7'7	M21
T 22	8 39 30	11°1'37	8°II 3	9°0'0	27°21'21	14°46'46	2°3'3	0°55'55	21°26'26	13°31'31	22°36'36	4°39'39	3°20'20	11°12'12	6°6'6	T 22
W23	8 43 27	12°2'23	20°11'11	10°45'45	28°15'15	15°27'27	2°17'17	0°59'59	21°29'29	13°33'33	22°37'37	4°41'41	3°16'16	11°19'19	6°5'5	W23
T 24	8 47 23	13°3'07	2°53'53	12°31'31	29°8'8	16°8'8	2°31'31	1°2'2	21°33'33	13°35'35	22°38'38	4°R42	3°13'13	11°26'26	6°4'4	T 24
F 25	8 51 20	14°3'50	1°13'13	14°17'17	0°Y 1	16°49'49	2°45'45	1°6'6	21°36'36	13°37'37	22°39'39	4°41'41	3°10'10	11°32'32	6°3'3	F 25
S 26	8 55 17	15°4'31	28°12'12	16°4'4	0°52'52	17°29'29	2°59'59	1°9'9	21°39'39	13°39'39	22°39'39	4°39'39	3°7'7	11°39'39	6°3'3	S 26
S 27	8 59 13	16°5'10	11°02'33	17°52'52	1°43'43	18°10'10	3°13'13	1°13'13	21°43'43	13°41'41	22°40'40	4°34'34	3°4'4	11°46'46	6°2'2	S 27
M28	9 3 10	17°5'49	25°12'12	19°41'41	2°33'33	18°51'51	3°27'27	1°17'17	21°46'46	13°43'43	22°41'41	4°28'28	3°1'1	11°53'53	6°2'2	M28
T 29	9 7 6	18°6'25	9°II 8	21°30'30	3°22'22	19°32'32	3°41'41	1°20'20	21°50'50	13°45'45	22°41'41	4°21'41	2°57'57	11°59'59	6°1'1	T 29
W30	9 11 3	19°7'00	23°15'15	23°20'20	4°11'11	20°13'13	3°55'55	1°24'24	21°53'53	13°47'47	22°42'42	4°13'13	2°54'54	12°6'6	6°0'0	W30
T 31	9 14 59	20°7'34	7°02'30	25°11'11	4°Y58	20°54'54	4°9'9	1°28'28	21°55'55	13°49'49	22°42'42	4°7'7	2°55'55	12°13'13	6°II 1	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s 3	15n41	4n17	24s15	0s50	9s46	0s40	19s59	0n20	21s14	0s26	9n16	2s28	15s26	0s42	22s11
W 2	21 54	11 9	4 53	24 17	0 57	9 18	0 35	20 8	0 19	21 11	0 26	9 16	2 27	15 25	0 42	22 11
T 3	21 45	5 59	5 13	24 18	1 3	8 49	0 30	20 17	0 19	21 8	0 26	9 17	2 27	15 24	0 42	22 11
F 4	21 35	0 29	5 14	24 18	1 8	8 21	0 24	20 26	0 18	21 6	0 27	9 18	2 27	15 22	0 42	22 11
S 5	21 25	5s 6	4 57	24 16	1 14	7 52	0 19	20 34	0 17	21 3	0 27	9 19	2 27	15 21	0 42	22 10
S 6	21 14	10 28	4 21	24 13	1 19	7 23	0 13	20 43	0 17	21 0	0 27	9 19	2 26	15 20	0 42	22 10
M 7	21 3	15 18	3 30	24 8	1 24	6 54	0 7	20 51	0 16	20 57	0 27	9 20	2 26	15 19	0 42	22 10
T 8	20 51	19 16	2 25	24 3	1 29	6 25	0 2	20 59	0 15	20 55	0 27	9 21	2 26	15 18	0 42	22 10
W 9	20 39	22 4	1 12	23 55	1 34	5 56	0n 4	21 7	0 15	20 52	0 27	9 22	2 25	15 17	0 42	22 10
T 10	20 27	23 27	0s 6	23 46	1 38	5 26	0 10	21 15	0 14	20 49	0 27	9 23	2 25	15 16	0 42	22 9
F 11	20 14	23 20	1 22	23 36	1 42	4 57	0 17	21 22	0 13	20 46	0 27	9 24	2 25	15 15	0 42	22 9
S 12	20 1	21 47	2 32	23 25	1 46	4 28	0 23	21 30	0 12	20 43	0 27	9 25	2 24	15 14	0 42	22 9
S 13	19 48	19 1	3 32	23 11	1 49	3 59	0 29	21 37	0 12	20 40	0 27	9 26	2 24	15 13	0 42	22 9
M14	19 34	15 18	4 19	22 57	1 52	3 29	0 36	21 44	0 11	20 37	0 27	9 27	2 24	15 12	0 42	22 8
T 15	19 19	10 58	4 51	22 40	1 55	3 0	0 43	21 51	0 10	20 34	0 28	9 28	2 24	15 11	0 42	22 8
W16	19 5	6 17	5 9	22 23	1 58	2 31	0 50	21 57	0 9	20 31	0 28	9 29	2 23	15 10	0 42	22 8
T 17	18 50	1 26	5 12	22 3	2 0	2 2	0 57	22 4	0 9	20 28	0 28	9 30	2 23	15 9	0 42	22 8
F 18	18 35	3n22	5 1	21 42	2 1	1 33	1 4	22 10	0 8	20 25	0 28	9 32	2 23	15 8	0 42	22 8
S 19	18 19	8 0	4 37	21 20	2 3	1 4	1 11	22 16	0 7	20 22	0 28	9 33	2 22	15 7	0 42	22 7
S 20	18 3	12 19	4 1	20 56	2 4	0 35	1 18	22 22	0 6	20 19	0 28	9 34	2 22	15 5	0 42	22 7
M21	17 47	16 10	3 15	20 30	2 4	0 6	1 26	22 28	0 6	20 16	0 28	9 36	2 22	15 4	0 42	22 7
T 22	17 31	19 24	2 20	20 3	2 4	0n22	1 33	22 33	0 5	20 13	0 28	9 37	2 22	15 3	0 42	22 7
W23	17 14	21 50	1 18	19 34	2 4	0 51	1 41	22 38	0 4	20 10	0 28	9 38	2 21	15 2	0 42	22 7
T 24	16 57	23 17	0 12	19 4	2 3	1 19	1 49	22 44	0 3	20 7	0 28	9 40	2 21	15 1	0 42	22 6
F 25	16 39	23 35	0n57	18 32	2 2	1 47	1 56	22 49	0 2	20 4	0 29	9 41	2 21	15 0	0 42	22 6
S 26	16 21	22 36	2 4	17 59	2 0	2 15	2 4	22 53	0 2	20 1	0 29	9 43	2 20	14 59	0 42	22 6
S 27	16 3	20 21	3 6	17 23	1 58	2 43	2 13	22 58	0 1	19 57	0 29	9 44	2 20	14 58	0 42	22 6
M28	15 45	16 54	3 59	16 47	1 55	3 10	2 21	23 2	0s 0	19 54	0 29	9 46	2 20	14 57	0 42	22 6
T 29	15 27	12 28	4 39	16 9	1 52	3 37	2 29	23 6	0 1	19 51	0 29	9 47	2 20	14 55	0 42	22 5
W30	15 8	7 19	5 2	15 29	1 48	4 4	2 37	23 10	0 2	19 48	0 29	9 49	2 19	14 54	0 42	22 5
T 31	14s49	1n43	5n 8	14s48	1s44	4n31	2n46	23s14	0s 3	19s45	0s29	9n51	2s19	14s53	0s42	22s 5

Julian Day Number = 2268567.5, Delta T = 293.79 sec

Ecliptic obliquity = 23°30'15, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'00, Lahiri = 16°52'01 Julian Calendar 1 Jan. 1499 == Greg. Calendar 10 Jan. 1499

ASTRODIENST EPHEMERIS for the year 1499

geocentric

FEBRUARY 1499 JC

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14s30	3s58	4n54	14s 5	1s39	4n58	2n55	23s18	0s 4	19s41	0s29	9n52	2s19	14s52	0s42	F 1
S 2	14 10	9 28	4 21	13 21	1 33	5 24	3 3	23 21	0 4	19 38	0 29	9 54	2 19	14 51	0 42	S 2
S 3	13 50	14 25	3 33	12 36	1 27	5 49	3 12	23 24	0 5	19 35	0 30	9 56	2 18	14 50	0 42	S 3
M 4	13 30	18 34	2 33	11 49	1 20	6 15	3 21	23 27	0 6	19 32	0 30	9 57	2 18	14 49	0 42	M 4
T 5	13 10	21 36	1 24	11 1	1 13	6 40	3 30	23 30	0 7	19 28	0 30	9 59	2 18	14 48	0 42	T 5
W 6	12 50	23 19	0 10	10 13	1 5	7 4	3 39	23 33	0 8	19 25	0 30	10 1	2 17	14 46	0 42	W 6
T 7	12 29	23 37	1 s 3	9 23	0 56	7 29	3 48	23 35	0 9	19 22	0 30	10 3	2 17	14 45	0 42	T 7
F 8	12 8	22 29	2 12	8 33	0 46	7 52	3 57	23 37	0 10	19 19	0 30	10 5	2 17	14 44	0 42	F 8
S 9	11 47	20 6	3 12	7 42	0 36	8 16	4 6	23 39	0 11	19 15	0 30	10 7	2 17	14 43	0 42	S 9
S 10	11 26	16 42	4 1	6 50	0 25	8 39	4 16	23 41	0 12	19 12	0 30	10 9	2 17	14 42	0 42	S 10
M 11	11 5	12 33	4 37	5 59	0 14	9 1	4 25	23 42	0 13	19 9	0 31	10 10	2 16	14 41	0 42	M 11
T 12	10 43	7 55	4 58	5 8	0 2	9 23	4 34	23 44	0 14	19 5	0 31	10 12	2 16	14 40	0 42	T 12
W 13	10 21	3 2	5 4	4 17	0n11	9 44	4 44	23 45	0 15	19 2	0 31	10 14	2 16	14 39	0 42	W 13
T 14	9 59	1n52	4 56	3 27	0 23	10 5	4 53	23 46	0 16	18 59	0 31	10 16	2 16	14 37	0 42	T 14
F 15	9 37	6 38	4 35	2 38	0 37	10 25	5 3	23 47	0 17	18 55	0 31	10 18	2 15	14 36	0 42	F 15
S 16	9 15	11 6	4 2	1 50	0 50	10 44	5 12	23 47	0 18	18 52	0 31	10 20	2 15	14 35	0 42	S 16
S 17	8 53	15 8	3 19	1 5	1 4	11 3	5 22	23 47	0 19	18 49	0 31	10 22	2 15	14 34	0 42	S 17
M 18	8 30	18 35	2 27	0 21	1 18	11 21	5 31	23 48	0 20	18 45	0 31	10 25	2 15	14 33	0 42	M 18
T 19	8 8	21 17	1 29	0n21	1 32	11 38	5 40	23 47	0 21	18 42	0 32	10 27	2 14	14 32	0 42	T 19
W 20	7 45	23 4	0 25	0 59	1 46	11 54	5 50	23 47	0 22	18 39	0 32	10 29	2 14	14 31	0 42	W 20
T 21	7 22	23 47	0n40	1 35	2 0	12 10	5 59	23 47	0 23	18 35	0 32	10 31	2 14	14 30	0 42	T 21
F 22	7 0	23 17	1 46	2 7	2 14	12 25	6 8	23 46	0 24	18 32	0 32	10 33	2 14	14 29	0 42	F 22
S 23	6 37	21 30	2 48	2 36	2 26	12 38	6 17	23 45	0 25	18 29	0 32	10 35	2 14	14 28	0 42	S 23
S 24	6 14	18 28	3 42	3 0	2 39	12 51	6 26	23 44	0 26	18 25	0 32	10 37	2 13	14 26	0 42	S 24
M 25	5 50	14 19	4 25	3 31	2 50	13 3	6 35	23 43	0 27	18 22	0 32	10 40	2 13	14 25	0 42	M 25
T 26	5 27	9 15	4 52	3 27	3 0	13 14	6 43	23 41	0 28	18 19	0 33	10 42	2 13	14 24	0 42	T 26
W 27	5 4	3 35	5 1	3 48	3 10	13 23	6 52	23 39	0 29	18 15	0 33	10 44	2 13	14 23	0 42	W 27
T 28	4s41	2s19	4n50	3n56	3n18	13n32	7n 0	23s37	0s30	18s12	0s33	10n46	2s13	14s22	0s42	T 28

Julian Day Number = 2268598.5, Delta T = 293.61 sec

Ecliptic obliquity = 23°30'16", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'05", Lahiri = 16°52'05" Julian Calendar 1 Feb. 1499 == Greg. Calendar 10 Feb. 1499

ASTRODIENST EPHEMERIS for the year 1499

geocentric

MARCH 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 9 19	19°11'55	1°18'59	2°R 7	17°R59	10°348	10°338	4°8 0	23°335	14°335	22°R43	1°R37	1°19	15°827	6°II28	F 1
S 2	11 13 16	20°11'34	16°35	1°Y51	17°Y57	11°29	10°50	4° 7	23°38	14°36	22°M43	1°31	1°16	15°33	6°31	S 2
S 3	11 17 12	21°11'12	1°0	1°26	17°53	12°11	11° 3	4°13	23°41	14°37	22°42	1°27	1°13	15°40	6°33	S 3
M 4	11 21 9	22°10'48	15° 9	0°55	17°45	12°52	11°15	4°19	23°45	14°38	22°41	1°26	1° 9	15°47	6°35	M 4
T 5	11 25 6	23°10'22	29° 3	0°18	17°36	13°33	11°28	4°26	23°48	14°40	22°41	1°26	1° 6	15°53	6°37	T 5
W 6	11 29 2	24°9'55	12°341	29°36	17°24	14°15	11°40	4°32	23°51	14°41	22°40	1°26	1° 3	16° 0	6°40	W 6
T 7	11 32 59	25°9'25	26° 5	28°50	17° 9	14°56	11°52	4°39	23°54	14°42	22°40	1°24	1° 0	16° 7	6°42	T 7
F 8	11 36 55	26°8'54	9°16	28° 0	16°52	15°37	12° 5	4°46	23°57	14°43	22°39	1°20	0°57	16°13	6°44	F 8
S 9	11 40 52	27°8'21	22°16	27° 9	16°33	16°19	12°17	4°52	24° 0	14°44	22°38	1°13	0°53	16°20	6°47	S 9
S 10	11 44 48	28°7'46	5°5	26°16	16°11	17° 0	12°29	4°59	24° 3	14°45	22°37	1° 3	0°50	16°27	6°50	S 10
M 11	11 48 45	29°7'09	17°43	25°24	15°47	17°41	12°41	5° 6	24° 6	14°46	22°37	0°50	0°47	16°33	6°52	M 11
T 12	11 52 41	0°Y'630	0°Y'10	24°32	15°21	18°23	12°53	5°13	24° 9	14°47	22°36	0°36	0°44	16°40	6°55	T 12
W 13	11 56 38	1° 5'49	12°27	23°43	14°53	19° 4	13° 4	5°19	24°12	14°47	22°35	0°22	0°41	16°47	6°58	W 13
T 14	12 0 35	2° 5'05	24°34	22°57	14°23	19°45	13°16	5°26	24°15	14°48	22°34	0° 9	0°38	16°53	7° 1	T 14
F 15	12 4 31	3° 4'20	6°32	22°15	13°51	20°27	13°28	5°33	24°18	14°49	22°33	29°II58	0°34	17° 0	7° 4	F 15
S 16	12 8 28	4° 3'32	18°24	21°37	13°18	21° 8	13°39	5°40	24°21	14°50	22°32	29°49	0°31	17° 7	7° 7	S 16
S 17	12 12 24	5° 2'42	0°II12	21° 3	12°43	21°49	13°51	5°47	24°23	14°51	22°31	29°44	0°28	17°13	7°10	S 17
M 18	12 16 21	6° 1'50	12° 0	20°35	12° 7	22°30	14° 2	5°54	24°26	14°51	22°30	29°41	0°25	17°20	7°13	M 18
T 19	12 20 17	7° 0'56	23°54	20°12	11°31	23°12	14°13	6° 1	24°29	14°52	22°29	29°40	0°22	17°27	7°16	T 19
W 20	12 24 14	7°59'59	5°58	19°55	10°53	23°53	14°24	6° 9	24°32	14°53	22°28	29°40	0°19	17°34	7°19	W 20
T 21	12 28 10	8°59'00	18°17	19°43	10°16	24°34	14°35	6°16	24°34	14°53	22°27	29°39	0°15	17°40	7°23	T 21
F 22	12 32 7	9°57'59	0°58	19°37	9°38	25°16	14°46	6°23	24°37	14°54	22°26	29°38	0°12	17°47	7°26	F 22
S 23	12 36 4	10°56'55	14° 3	19°D36	9° 0	25°57	14°57	6°30	24°40	14°54	22°25	29°34	0° 9	17°54	7°30	S 23
S 24	12 40 0	11°55'49	27°38	19°40	8°22	26°38	15° 8	6°38	24°42	14°55	22°24	29°28	0° 6	18° 0	7°33	S 24
M 25	12 43 57	12°54'41	11°M41	19°50	7°45	27°19	15°19	6°45	24°45	14°55	22°23	29°19	0° 3	18° 7	7°37	M 25
T 26	12 47 53	13°53'30	26°11	20° 5	7° 9	28° 1	15°29	6°52	24°48	14°56	22°22	29° 9	29°II59	18°14	7°40	T 26
W 27	12 51 50	14°52'18	11°2	20°25	6°34	28°42	15°40	7° 0	24°50	14°56	22°21	28°58	29°56	18°20	7°44	W 27
T 28	12 55 46	15°51'03	26° 6	20°49	6° 0	29°23	15°50	7° 7	24°53	14°57	22°19	28°48	29°53	18°27	7°48	T 28
F 29	12 59 43	16°49'46	11°M12	21°17	5°28	0°4	16° 0	7°14	24°55	14°57	22°18	28°39	29°50	18°34	7°51	F 29
S 30	13 3 39	17°48'28	26°11	21°50	4°57	0°45	16°10	7°22	24°57	14°57	22°17	28°33	29°47	18°40	7°55	S 30
S 31	13 7 36	18°Y47'08	10°X55	22°X27	4°Y28	1°227	16°221	7°X29	25°0	14°58	22°M15	28°II30	29°II44	18°47	7°II59	S 31

Day	☉	☽		♂	♀		♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	♂
F 1	4s17	8s 7	4n20	3n58	3n24	13n39	7n 8	23s35	0s31	18s 9	0s33	10n49	2s12	14s21	0s42	22s 0	0n43	4s56	14n 0	23n30
S 2	3 54	13 26	3 34	3 56	3 29	13 45	7 15	23 33	0 33	18 6	0 33	10 51	2 12	14 20	0 42	22 0	0 43	4 56	14 1	23 30
S 3	3 30	17 55	2 34	3 49	3 33	13 50	7 22	23 30	0 34	18 2	0 33	10 53	2 12	14 19	0 42	22 0	0 43	4 55	14 1	23 30
M 4	3 7	21 16	1 25	3 39	3 34	13 53	7 29	23 27	0 35	17 59	0 33	10 56	2 12	14 18	0 42	21 59	0 43	4 55	14 1	23 30
T 5	2 43	23 17	0 13	3 24	3 34	13 55	7 35	23 24	0 36	17 56	0 34	10 58	2 12	14 17	0 42	21 59	0 43	4 54	14 2	23 30
W 6	2 19	23 53	0s59	3 5	3 32	13 56	7 41	23 21	0 37	17 52	0 34	11 0	2 11	14 16	0 42	21 59	0 43	4 54	14 2	23 30
T 7	1 56	23 3	2 6	2 43	3 28	13 55	7 47	23 18	0 38	17 49	0 34	11 3	2 11	14 15	0 42	21 59	0 43	4 53	14 2	23 30
F 8	1 32	20 58	3 6	2 18	3 22	13 53	7 51	23 14	0 39	17 46	0 34	11 5	2 11	14 14	0 42	21 59	0 43	4 53	14 3	23 30
S 9	1 8	17 49	3 54	1 50	3 15	13 49	7 55	23 11	0 41	17 43	0 34	11 7	2 11	14 13	0 42	21 59	0 43	4 52	14 3	23 30
S 10	0 45	13 51	4 30	1 21	3 6	13 44	7 59	23 7	0 42	17 39	0 34	11 10	2 11	14 12	0 42	21 59	0 43	4 52	14 3	23 30
M 11	0 21	9 21	4 52	0 50	2 55	13 37	8 2	23 3	0 43	17 36	0 35	11 12	2 11	14 11	0 42	21 59	0 43	4 51	14 4	23 30
T 12	0n 3	4 31	5 0	0 19	2 43	13 29	8 4	22 58	0 44	17 33	0 35	11 15	2 10	14 10	0 42	21 58	0 43	4 51	14 4	23 30
W 13	0 26	0n26	4 53	0s12	2 30	13 19	8 5	22 54	0 45	17 30	0 35	11 17	2 10	14 9	0 42	21 58	0 43	4 50	14 4	23 30
T 14	0 50	5 18	4 33	0 44	2 16	13 8	8 6	22 49	0 47	17 27	0 35	11 19	2 10	14 8	0 42	21 58	0 43	4 50	14 5	23 30
F 15	1 13	9 56	4 2	1 14	2 1	12 55	8 5	22 44	0 48	17 23	0 35	11 22	2 10	14 7	0 42	21 58	0 43	4 49	14 5	23 30
S 16	1 37	14 9	3 20	1 43	1 46	12 41	8 4	22 39	0 49	17 20	0 35	11 24	2 10	14 6	0 42	21 58	0 43	4 49	14 5	23 30
S 17	2 1	17 49	2 29	2 11	1 30	12 25	8 2	22 34	0 50	17 17	0 36	11 27	2 10	14 5	0 42	21 58	0 43	4 48	14 5	23 30
M 18	2 24	20 46	1 32	2 36	1 14	12 8	7 59	22 28	0 52	17 14	0 36	11 29	2 10	14 4	0 42	21 58	0 43	4 48	14 6	23 30
T 19	2 48	22 51	0 30	3 0	0 58	11 50	7 55	22 22	0 53	17 11	0 36	11 32	2 9	14 4	0 42	21 58	0 43	4 47	14 6	23 30
W 20	3 11	23 56	0n33	3 21	0 42	11 31	7 50	22 17	0 54	17 8	0 36	11 34	2 9	14 3	0 42	21 58	0 43	4 47	14 6	23 30
T 21	3 34	23 51	1 37	3 40	0 27	11 11	7 45	22 11	0 56	17 5	0 36	11 37	2 9	14 2	0 42	21 58	0 43	4 46	14 7	23 30
F 22	3 57	22 34	2 38	3 57	0 12	10 50	7 38	22 4	0 57	17 2	0 36	11 39	2 9	14 1	0 42	21 58	0 43	4 46	14 7	23 30
S 23	4 21	20 2	3 32	4 11	0s 3	10 28	7 31	21 58	0 58	16 59	0 37	11 42	2 9	14 0	0 42	21 57	0 43	4 45	14 7	23 30
S 24	4 44	16 20	4 17	4 22	0 17	10 6	7 23	21 51	0 59	16 56	0 37	11 44	2 9	13 59	0 42	21 57	0 43	4 45	14 7	23 30
M 25	5 7	11 37	4 47	4 31	0 31	9 43	7 14	21 45	1 1	16 53	0 37	11 47	2 9	13 58	0 42	21 57	0 43	4 44	14 8	23 30
T 26	5 30	6 7	5 1	4 37	0 44	9 20	7 4	21 38	1 2	16 50	0 37	11 49	2 9	13 58	0 42	21 57	0 43	4 44	14 8	23 30
W 27	5 53	0 9	4 55	4 41	0 57	8 56	6 53	21 31	1 3	16 47	0 37	11 52	2 8	13 57	0 42	21 57	0 43	4 43	14 8	23 30
T 28	6 15	5s56	4 28	4 42	1 9	8 33	6 42	21 24	1 5	16 44	0 37	11 54	2 8	13 56	0 42	21 57	0 43	4 42	14 8	23 30
F 29	6 38	11 42	3 43	4 41	1 20	8 9	6 31	21 16	1 6	16 41	0 38	11 57	2 8	13 55	0 42	21 57	0 43	4 42	14 9	23 30
S 30	7 0	16 43	2 43	4 38	1 31	7 46	6 19	21 9	1 8	16 38	0 38	11 59	2 8	13 54	0 42	21 57	0 43	4 41	14 9	23 30
S 31	7n23	20s37	1n32	4s32	1s41	7n23	6n 6	21s 1	1s 9	16s35	0s38	12n 2	2s 8	13s54	0s43	21s57	0n43	4s41	14n 9	23n30

Julian Day Number = 2268626.5, Delta T = 293.45 sec

Ecliptic obliquity = 23°30'16, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'08, Lahiri = 16°52'09 Julian Calendar 1 March 1499 == Greg. Calendar 10 March 1499

ASTRODIENST EPHEMERIS for the year 1499

geocentric

APRIL 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 11 33	19°45'46	25°19	23°8	4°R 1	2°8	16°30	7°37	25°2	14°58	22°R14	28°D29	29°II40	18°54	8°II 3	M 1
T 2	13 15 29	20°44'22	9°30	23°53	3°Y37	2°49	16°40	7°44	25°4	14°58	22°M13	28°II29	29°37	19°0	8°7	T 2
W 3	13 19 26	21°42'57	23°0	24°41	3°14	3°30	16°50	7°52	25°7	14°58	22°11	28°R30	29°34	19°7	8°11	W 3
T 4	13 23 22	22°41'30	6°19	25°32	2°54	4°11	17°0	8°0	25°9	14°58	22°10	28°29	29°31	19°14	8°15	T 4
F 5	13 27 19	23°40'02	19°20	26°27	2°36	4°52	17°9	8°7	25°11	14°58	22°9	28°26	29°28	19°20	8°19	F 5
S 6	13 31 15	24°38'31	2°6	27°24	2°20	5°33	17°18	8°15	25°13	14°59	22°7	28°21	29°24	19°27	8°23	S 6
S 7	13 35 12	25°36'59	14°39	28°25	2°7	6°14	17°28	8°22	25°15	14°59	22°6	28°13	29°21	19°34	8°27	S 7
M 8	13 39 8	26°35'26	27°1	29°28	1°57	6°55	17°37	8°30	25°18	14°R59	22°4	28°3	29°18	19°40	8°32	M 8
T 9	13 43 5	27°33'50	9°Y14	0°Y34	1°48	7°37	17°46	8°38	25°20	14°59	22°3	27°52	29°15	19°47	8°36	T 9
W10	13 47 2	28°32'13	21°19	1°42	1°43	8°17	17°55	8°45	25°22	14°59	22°2	27°40	29°12	19°54	8°40	W10
T 11	13 50 58	29°30'34	3°817	2°53	1°39	8°58	18°3	8°53	25°24	14°59	22°0	27°29	29°9	20°0	8°45	T 11
F 12	13 54 55	0°828'53	15°9	4°7	1°D38	9°39	18°12	9°1	25°25	14°58	21°59	27°21	29°5	20°7	8°49	F 12
S 13	13 58 51	1°27'10	26°58	5°22	1°40	10°20	18°20	9°9	25°27	14°58	21°57	27°14	29°2	20°14	8°53	S 13
S 14	14 2 48	2°25'26	8°II46	6°40	1°43	11°1	18°29	9°16	25°29	14°58	21°55	27°10	28°59	20°20	8°58	S 14
M15	14 6 44	3°23'39	20°35	8°1	1°49	11°42	18°37	9°24	25°31	14°58	21°54	27°8	28°56	20°27	9°2	M15
T 16	14 10 41	4°21'51	2°30	9°23	1°57	12°23	18°45	9°32	25°33	14°58	21°52	27°D 8	28°53	20°34	9°7	T 16
W17	14 14 37	5°20'01	14°34	10°48	2°8	13°4	18°53	9°40	25°34	14°57	21°51	27°9	28°50	20°41	9°12	W17
T 18	14 18 34	6°18'08	26°52	12°14	2°20	13°44	19°1	9°47	25°36	14°57	21°49	27°10	28°46	20°47	9°16	T 18
F 19	14 22 31	7°16'14	9°II30	13°43	2°35	14°25	19°8	9°55	25°38	14°57	21°48	27°R10	28°43	20°54	9°21	F 19
S 20	14 26 27	8°14'17	22°31	15°13	2°51	15°6	19°16	10°3	25°39	14°56	21°46	27°9	28°40	21°1	9°26	S 20
S 21	14 30 24	9°12'19	6°II0	16°46	3°9	15°46	19°23	10°11	25°41	14°56	21°44	27°6	28°37	21°7	9°30	S 21
M22	14 34 20	10°10'19	19°59	18°21	3°29	16°27	19°30	10°18	25°42	14°56	21°43	27°1	28°34	21°14	9°35	M22
T 23	14 38 17	11°8'17	4°II26	19°58	3°51	17°7	19°37	10°26	25°44	14°55	21°41	26°55	28°30	21°21	9°40	T 23
W24	14 42 13	12°6'13	19°17	21°36	4°15	17°48	19°44	10°34	25°45	14°55	21°40	26°48	28°27	21°27	9°45	W24
T 25	14 46 10	13°4'07	4°II25	23°17	4°40	18°28	19°51	10°42	25°46	14°54	21°38	26°42	28°24	21°34	9°50	T 25
F 26	14 50 6	14°2'00	19°40	25°0	5°7	19°8	19°58	10°49	25°48	14°53	21°36	26°37	28°21	21°41	9°54	F 26
S 27	14 54 3	14°59'51	4°II53	26°44	5°36	19°49	20°4	10°57	25°49	14°53	21°35	26°33	28°18	21°47	9°59	S 27
S 28	14 57 59	15°57'41	19°52	28°31	6°6	20°29	20°11	11°5	25°50	14°52	21°33	26°D32	28°15	21°54	10°4	S 28
M29	15 1 56	16°55'30	4°31	0°820	6°37	21°9	20°17	11°13	25°51	14°52	21°31	26°32	28°11	22°1	10°9	M29
T 30	15 5 53	17°53'17	18°346	2°810	7°Y10	21°50	20°23	11°820	25°52	14°51	21°M30	26°II33	28°II 8	22°8 7	10°II14	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	decl	lat
M 1	7n45	23s 8	0n17	4s25	1s50	7n 0	5n53	20s53	1s10	16s32	0s38	12n 4	2s 8	13s53	0s43	21s57	0n43	4s40	14n 9	23n30	23n30	14n15	17n 4	4s42			
T 2	8 7	24 8	0s57	4 15	1 58	6 38	5 40	20 45	1 12	16 30	0 38	12 7	2 8	13 52	0 43	21 57	0 43	4 40	14 9	23 30	23 30	14 17	17 5	4 42			
W 3	8 29	23 37	2 7	4 3	2 6	6 17	5 27	20 37	1 13	16 27	0 39	12 9	2 8	13 51	0 43	21 57	0 43	4 39	14 10	23 30	23 30	14 20	17 6	4 42			
T 4	8 51	21 46	3 7	3 49	2 14	5 56	5 13	20 28	1 15	16 24	0 39	12 12	2 8	13 51	0 43	21 57	0 43	4 39	14 10	23 30	23 30	14 22	17 6	4 42			
F 5	9 13	18 48	3 56	3 34	2 20	5 36	4 59	20 20	1 16	16 21	0 39	12 14	2 8	13 50	0 43	21 57	0 43	4 38	14 10	23 30	23 30	14 25	17 7	4 41			
S 6	9 34	15 0	4 33	3 16	2 26	5 17	4 45	20 11	1 17	16 19	0 39	12 17	2 7	13 49	0 43	21 57	0 43	4 38	14 10	23 30	23 30	14 27	17 8	4 41			
S 7	9 56	10 36	4 55	2 57	2 31	4 59	4 31	20 2	1 19	16 16	0 39	12 19	2 7	13 48	0 43	21 57	0 43	4 37	14 10	23 30	23 30	14 30	17 9	4 41			
M 8	10 17	5 49	5 3	2 36	2 36	4 42	4 17	19 53	1 20	16 14	0 40	12 22	2 7	13 48	0 43	21 57	0 43	4 37	14 10	23 29	23 30	14 32	17 10	4 41			
T 9	10 38	0 53	4 58	2 13	2 40	4 26	4 3	19 44	1 22	16 11	0 40	12 25	2 7	13 47	0 43	21 57	0 43	4 36	14 11	23 29	23 30	14 35	17 10	4 41			
W10	10 59	4n 2	4 38	1 49	2 43	4 11	3 50	19 35	1 23	16 8	0 40	12 27	2 7	13 47	0 43	21 57	0 43	4 36	14 11	23 29	23 30	14 37	17 11	4 41			
T 11	11 20	8 46	4 7	1 23	2 46	3 57	3 36	19 26	1 25	16 6	0 40	12 30	2 7	13 46	0 43	21 57	0 43	4 36	14 11	23 29	23 30	14 39	17 12	4 41			
F 12	11 40	13 9	3 25	0 56	2 48	3 45	3 22	19 16	1 26	16 3	0 40	12 32	2 7	13 45	0 43	21 57	0 43	4 35	14 11	23 29	23 30	14 42	17 13	4 40			
S 13	12 1	17 2	2 34	0 27	2 50	3 33	3 9	19 6	1 28	16 1	0 41	12 35	2 7	13 45	0 43	21 57	0 43	4 35	14 11	23 29	23 30	14 44	17 13	4 40			
S 14	12 21	20 14	1 37	0n 3	2 50	3 22	2 55	18 57	1 29	15 59	0 41	12 37	2 7	13 44	0 43	21 57	0 43	4 34	14 11	23 28	23 30	14 47	17 14	4 40			
M15	12 41	22 35	0 35	0 34	2 51	3 13	2 42	18 47	1 31	15 56	0 41	12 40	2 7	13 44	0 43	21 57	0 43	4 34	14 11	23 28	23 30	14 49	17 15	4 40			
T 16	13 1	23 58	0n29	1 7	2 50	3 4	2 30	18 37	1 32	15 54	0 41	12 42	2 7	13 43	0 43	21 57	0 43	4 33	14 11	23 28	23 30	14 51	17 16	4 40			
W17	13 20	24 14	1 33	1 41	2 50	2 57	2 17	18 26	1 34	15 52	0 42	12 45	2 7	13 42	0 43	21 57	0 43	4 33	14 11	23 28	23 30	14 54	17 17	4 40			
T 18	13 39	23 21	2 33	2 16	2 48	2 50	2 5	18 16	1 35	15 50	0 42	12 47	2 7	13 42	0 43	21 57	0 43	4 32	14 11	23 28	23 30	14 56	17 17	4 40			
F 19	13 59	21 16	3 28	2 52	2 46	2 45	1 53	18 6	1 37	15 47	0 42	12 50	2 7	13 41	0 43	21 57	0 43	4 32	14 12	23 28	23 30	14 59	17 18	4 40			
S 20	14 17	18 3	4 14	3 30	2 44	2 41	1 41	17 55	1 39	15 45	0 42	12 52	2 7	13 41	0 43	21 57	0 43	4 31	14 12	23 28	23 30	15 1	17 19	4 40			
S 21	14 36	13 47	4 48	4 8	2 40	2 37	1 29	17 45	1 40	15 43	0 42	12 54	2 7	13 40	0 43	21 57	0 43	4 31	14 12	23 28	23 30	15 4	17 20	4 40			
M22	14 55	8 40	5 6	4 48	2 37	2 35	1 18	17 34	1 42	15 41	0 43	12 57	2 6	13 40	0 43	21 57	0 43	4 31	14 12	23 28	23 30	15 6	17 20	4 39			
T 23	15 13	2 55	5 6	5 28	2 32	2 34	1 7	17 23	1 43	15 39	0 43	12 59	2 6	13 39	0 43	21 57	0 43	4 30	14 12	23 28	23 30	15 8	17 21	4 39			
W24	15 31	3s10	4 45	6 10	2 28	2 33	0 56	17 12	1 45	15 37	0 43	13 2	2 6	13 39	0 43	21 57	0 43	4 30	14 12	23 28	23 30	15 11	17 22	4 39			
T 25	15 48	9 11	4 5	6 52	2 22	2 34	0 46	17 1	1 46	15 35	0 43	13 4	2 6	13 39	0 43	21 57	0 43	4 29	14 12	23 28	23 30	15 13	17 23	4 39			
F 26	16 6	14 43	3 6	7 35	2 17	2 35	0 36	16 50	1 48	15 33	0 44	13 7	2 6	13 38	0 43	21 57	0 43	4 29	14 12	23 28	23 30	15 16	17 24	4 39			
S 27	16 23	19 17	1 55	8 19	2 10	2 38	0 26	16 39	1 50	15 31	0 44	13 9	2 6	13 38	0 43	21 57	0 43	4 29	14 12	23 28	23 30	15 18	17 24	4 39			
S 28	16 40	22 31	0 36	9 3	2 3	2 41	0 17	16 27	1 51	15 30	0 44	13 12	2 6	13 37	0 43	21 57	0 43	4 28	14 12	23 28	23 30	15 20	17 25	4 39			
M29	16 56	24 9	0s43	9 48	1 56	2 45	0 7	16 16	1 53	15 28	0 44	13 14	2 6	13 37	0 44	21 57	0 43	4 28	14 12	23 28	23 30	15 23	17 26	4 39			
T 30	17n13	24s 8	1s58	10n34	1s48	2n50	0s 2	16s 5	1s55	15s26	0s45	13n16	2s 6	13s37	0s44	21s57	0n43	4s27	14n12	23n28	23n29	15n25	17n27	4s39			

ASTRODIENST EPHEMERIS for the year 1499

geocentric

MAY 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 9 49	18♂51'03	2♂♂35	4♂ 3	7♂♂44	22♂♂30	20♂♂29	11♂♂28	25♂♂53	14♂♂R50	21♂♂R28	26♂♂II34	28♂♂II 5	22♂♂II14	10♂♂II19	W 1
T 2	15 13 46	19°48'48	15°59	5°58	8°20	23°10	20°34	11°36	25°55	14♂♂♂50	21♂♂II26	26♂♂R35	28° 2	22°21	10°24	T 2
F 3	15 17 42	20°46'32	29° 1	7°54	8°57	23°50	20°40	11°44	25°55	14°49	21°25	26°35	27°59	22°27	10°29	F 3
S 4	15 21 39	21°44'15	11♂♂42	9°53	9°35	24°30	20°45	11°51	25°56	14°48	21°23	26°33	27°56	22°34	10°34	S 4
S 5	15 25 35	22°41'57	24° 8	11°53	10°14	25°10	20°50	11°59	25°57	14°47	21°21	26°30	27°52	22°41	10°39	S 5
M 6	15 29 32	23°39'37	6♂♂21	13°55	10°54	25°49	20°55	12° 7	25°58	14°46	21°20	26°25	27°49	22°47	10°45	M 6
T 7	15 33 29	24°37'17	18°24	15°59	11°35	26°29	21° 0	12°14	25°59	14°45	21°18	26°20	27°46	22°54	10°50	T 7
W 8	15 37 25	25°34'55	0♂♂20	18° 5	12°17	27° 9	21° 5	12°22	26° 0	14°45	21°16	26°14	27°43	23° 1	10°55	W 8
T 9	15 41 22	26°32'32	12°11	20°12	13° 0	27°48	21° 9	12°30	26° 0	14°44	21°15	26° 9	27°40	23° 7	11° 0	T 9
F 10	15 45 18	27°30'08	24° 0	22°20	13°44	28°28	21°14	12°37	26° 1	14°43	21°13	26° 5	27°36	23°14	11° 5	F 10
S 11	15 49 15	28°27'43	5♂♂48	24°30	14°29	29° 7	21°18	12°45	26° 2	14°42	21°11	26° 2	27°33	23°21	11°10	S 11
S 12	15 53 11	29°25'17	17°38	26°41	15°15	29°47	21°22	12°52	26° 2	14°41	21°10	26° 0	27°30	23°27	11°16	S 12
M13	15 57 8	0♂♂22'50	29°32	28°52	16° 2	0♂♂26	21°26	13° 0	26° 3	14°40	21° 8	26°D 0	27°27	23°34	11°21	M13
T14	16 1 4	1°20'21	11♂♂33	1♂♂ 4	16°49	1° 5	21°29	13° 7	26° 3	14°39	21° 7	26° 1	27°24	23°41	11°26	T14
W15	16 5 1	2°17'52	23°43	3°16	17°37	1°44	21°33	13°15	26° 3	14°38	21° 5	26° 2	27°21	23°47	11°31	W15
T16	16 8 58	3°15'21	6♂♂ 6	5°28	18°26	2°23	21°36	13°22	26° 4	14°37	21° 3	26° 4	27°17	23°54	11°37	T16
F17	16 12 54	4°12'48	18°46	7°39	19°16	3° 2	21°39	13°30	26° 4	14°35	21° 2	26° 5	27°14	24° 1	11°42	F17
S18	16 16 51	5°10'15	1♂♂46	9°50	20° 6	3°41	21°42	13°37	26° 4	14°34	21° 0	26°R 6	27°11	24° 7	11°47	S18
S19	16 20 47	6° 7'40	15°10	12° 0	20°57	4°19	21°45	13°45	26° 4	14°33	20°58	26° 6	27° 8	24°14	11°52	S19
M20	16 24 44	7° 5'03	29° 0	14° 9	21°49	4°58	21°47	13°52	26° 5	14°32	20°57	26° 5	27° 5	24°21	11°58	M20
T21	16 28 40	8° 2'26	13♂♂15	16°17	22°41	5°36	21°49	13°59	26° 5	14°31	20°55	26° 3	27° 2	24°27	12° 3	T21
W22	16 32 37	8°59'47	27°54	18°23	23°33	6°15	21°52	14° 7	26°R 5	14°30	20°54	26° 1	26°58	24°34	12° 8	W22
T23	16 36 33	9°57'08	12♂♂15	20°28	24°27	6°53	21°54	14°14	26° 5	14°28	20°52	25°59	26°55	24°41	12°14	T23
F24	16 40 30	10°54'27	27°59	22°30	25°21	7°31	21°55	14°21	26° 5	14°27	20°51	25°57	26°52	24°47	12°19	F24
S25	16 44 27	11°51'46	13♂♂10	24°31	26°15	8° 9	21°57	14°29	26° 5	14°26	20°49	25°56	26°49	24°54	12°24	S25
S26	16 48 23	12°49'04	28°12	26°29	27°10	8°47	21°58	14°36	26° 4	14°24	20°48	25°D56	26°46	25° 1	12°30	S26
M27	16 52 20	13°46'22	12♂♂59	28°25	28° 5	9°24	22° 0	14°43	26° 4	14°23	20°46	25°57	26°42	25° 7	12°35	M27
T28	16 56 16	14°43'38	27°24	0♂♂19	29° 1	10° 2	22° 1	14°50	26° 4	14°22	20°45	25°57	26°39	25°14	12°40	T28
W29	17 0 13	15°40'55	11♂♂22	2°11	29°58	10°39	22° 1	14°57	26° 4	14°20	20°43	25°58	26°36	25°21	12°46	W29
T30	17 4 9	16°38'11	24°55	4° 1	0♂♂54	11°17	22° 2	15° 4	26° 3	14°19	20°42	25°59	26°33	25°27	12°51	T30
F31	17 8 6	17♂♂35'26	8♂♂ 1	5♂♂48	1♂♂52	11♂♂54	22♂♂ 3	15♂♂11	26♂♂ 3	14♂♂♂18	20♂♂II40	25♂♂II59	26♂♂II30	25♂♂II34	12♂♂II56	F31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n29	22s37	3s 4	11n20	1s40	2n55	0s10	15s53	1s56	15s25	0s45	13n19	2s 6	13s36	0s44	21s57
T 2	17 44	19 51	3 57	12 6	1 32	3 2	0 19	15 41	1 58	15 23	0 45	13 21	2 6	13 36	0 44	21 57
F 3	18 0	16 10	4 37	12 53	1 23	3 9	0 27	15 30	2 0	15 22	0 45	13 23	2 6	13 36	0 44	21 58
S 4	18 15	11 50	5 1	13 39	1 13	3 16	0 35	15 18	2 1	15 20	0 46	13 26	2 6	13 36	0 44	21 58
S 5	18 30	7 6	5 11	14 26	1 4	3 25	0 42	15 6	2 3	15 19	0 46	13 28	2 6	13 35	0 44	21 58
M 6	18 44	2 10	5 7	15 12	0 54	3 34	0 50	14 54	2 5	15 17	0 46	13 30	2 6	13 35	0 44	21 58
T 7	18 59	2n46	4 49	15 58	0 44	3 43	0 57	14 42	2 6	15 16	0 46	13 33	2 6	13 35	0 44	21 58
W 8	19 12	7 35	4 19	16 44	0 33	3 54	1 3	14 30	2 8	15 15	0 47	13 35	2 6	13 35	0 44	21 58
T 9	19 26	12 5	3 37	17 29	0 23	4 4	1 10	14 18	2 10	15 13	0 47	13 37	2 6	13 34	0 44	21 58
F 10	19 39	16 8	2 47	18 13	0 12	4 16	1 16	14 5	2 11	15 12	0 47	13 40	2 6	13 34	0 44	21 58
S 11	19 52	19 33	1 49	18 55	0 1	4 28	1 22	13 53	2 13	15 11	0 47	13 42	2 6	13 34	0 44	21 58
S 12	20 5	22 10	0 46	19 37	0n 9	4 40	1 28	13 41	2 15	15 10	0 48	13 44	2 6	13 34	0 44	21 58
M13	20 17	23 50	0n19	20 17	0 20	4 53	1 34	13 29	2 17	15 9	0 48	13 46	2 6	13 34	0 44	21 58
T14	20 29	24 24	1 25	20 55	0 30	5 6	1 39	13 16	2 18	15 8	0 48	13 49	2 6	13 34	0 44	21 59
W15	20 41	23 50	2 27	21 31	0 40	5 20	1 44	13 4	2 20	15 7	0 48	13 51	2 6	13 34	0 44	21 59
T16	20 52	22 5	3 23	22 5	0 50	5 34	1 49	12 51	2 22	15 6	0 49	13 53	2 6	13 33	0 44	21 59
F17	21 3	19 13	4 11	22 37	0 59	5 48	1 54	12 39	2 24	15 6	0 49	13 55	2 7	13 33	0 44	21 59
S18	21 13	15 21	4 48	23 6	1 8	6 3	1 59	12 26	2 25	15 5	0 49	13 57	2 7	13 33	0 44	21 59
S19	21 23	10 37	5 10	23 33	1 16	6 18	2 3	12 14	2 27	15 5	0 49	14 0	2 7	13 33	0 44	21 59
M20	21 33	5 13	5 15	23 57	1 24	6 33	2 7	12 1	2 29	15 4	0 50	14 2	2 7	13 33	0 44	21 59
T21	21 43	0s37	5 2	24 18	1 31	6 49	2 11	11 49	2 31	15 3	0 50	14 4	2 7	13 33	0 44	21 59
W22	21 52	6 34	4 28	24 37	1 37	7 5	2 15	11 36	2 32	15 3	0 50	14 6	2 7	13 33	0 44	21 59
T23	22 0	12 18	3 36	24 52	1 43	7 22	2 18	11 24	2 34	15 3	0 50	14 8	2 7	13 33	0 44	22 0
F24	22 8	17 21	2 29	25 5	1 48	7 38	2 21	11 11	2 36	15 2	0 51	14 10	2 7	13 33	0 45	22 0
S25	22 16	21 17	1 10	25 16	1 52	7 55	2 24	10 58	2 38	15 2	0 51	14 12	2 7	13 34	0 45	22 0
S26	22 24	23 42	0s13	25 23	1 56	8 12	2 27	10 46	2 40	15 2	0 51	14 14	2 7	13 34	0 45	22 0
M27	22 31	24 25	1 33	25 28	1 59	8 29	2 30	10 33	2 41	15 2	0 52	14 16	2 7	13 34	0 45	22 0
T28	22 38	23 27	2 46	25 31	2 1	8 47	2 33	10 21	2 43	15 2	0 52	14 18	2 7	13 34	0 45	22 0
W29	22 44	21 2	3 46	25 31	2 2	9 4	2 35	10 8	2 45	15 2	0 52	14 20	2 7	13 34	0 45	22 0
T30	22 50	17 31	4 32	25 29	2 3	9 22	2 37	9 55	2 47	15 2	0 52	14 22	2 7	13 34	0 45	22 1
F31	22n55	13s15	5s 2	25n25	2n 3	9n40	2s39	9s43	2s49	15s 2	0s53	14n24	2s 7	13s34	0s45	22s 1

Julian Day Number = 2268687.5, Delta T = 293.09 sec

Ecliptic obliquity = 23°30'16", Nutation = - 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'17", Lahiri = 16°52'17" Julian Calendar 1 May 1499 == Greg. Calendar 10 May 1499

ASTRODIENST EPHEMERIS for the year 1499
geocentric

JUNE 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 12 2	18II32'42	20H45	7D32	2B49	12H31	22≈ 3	15B18	26°R 3	14°R16	20°R39	26°R 0	26II27	25B41	13II 2	S 1
S 2	17 15 59	19°29'57	3Y10	9°14	3°47	13° 8	22°R 3	15°25	26≈ 2	14B15	20M37	25II59	26°23	25°47	13° 7	S 2
M 3	17 19 56	20°27'11	15°20	10°54	4°46	13°45	22° 3	15°32	26° 2	14°13	20°36	25°59	26°20	25°54	13°12	M 3
T 4	17 23 52	21°24'26	27°19	12°31	5°45	14°21	22° 2	15°39	26° 1	14°12	20°35	25°58	26°17	26° 1	13°18	T 4
W 5	17 27 49	22°21'40	9B10	14° 6	6°44	14°58	22° 2	15°46	26° 0	14°10	20°33	25°58	26°14	26° 7	13°23	W 5
T 6	17 31 45	23°18'54	20°59	15°39	7°43	15°34	22° 1	15°52	26° 0	14° 9	20°32	25°57	26°11	26°14	13°28	T 6
F 7	17 35 42	24°16'08	2II47	17° 9	8°43	16°10	22° 0	15°59	25°59	14° 7	20°31	25°57	26° 8	26°21	13°33	F 7
S 8	17 39 38	25°13'22	14°38	18°36	9°43	16°46	21°59	16° 6	25°58	14° 6	20°29	25°57	26° 4	26°27	13°39	S 8
S 9	17 43 35	26°10'35	26°34	20° 1	10°44	17°21	21°58	16°12	25°57	14° 4	20°28	25°57	26° 1	26°34	13°44	S 9
M10	17 47 31	27° 7'49	8D37	21°23	11°45	17°57	21°56	16°19	25°57	14° 3	20°27	25°57	25°58	26°41	13°49	M10
T 11	17 51 28	28° 5'02	20°49	22°43	12°46	18°32	21°55	16°25	25°56	14° 1	20°26	25°57	25°55	26°47	13°54	T 11
W12	17 55 25	29° 2'14	3D12	24° 0	13°47	19° 7	21°53	16°32	25°55	14° 0	20°24	25°57	25°52	26°54	14° 0	W12
T 13	17 59 21	29°59'26	15°47	25°15	14°49	19°42	21°51	16°38	25°54	13°58	20°23	25°56	25°48	27° 1	14° 5	T 13
F 14	18 3 18	0D56'38	28°37	26°26	15°51	20°16	21°49	16°44	25°53	13°57	20°22	25°56	25°45	27° 7	14°10	F 14
S 15	18 7 14	1°53'50	11D44	27°35	16°53	20°51	21°46	16°51	25°52	13°55	20°21	25°55	25°42	27°14	14°15	S 15
S 16	18 11 11	2°51'01	25° 9	28°41	17°55	21°25	21°44	16°57	25°51	13°54	20°20	25°55	25°39	27°21	14°20	S 16
M17	18 15 7	3°48'11	8D53	29°44	18°58	21°59	21°41	17° 3	25°49	13°52	20°19	25°D55	25°36	27°27	14°26	M17
T 18	18 19 4	4°45'22	22°57	0D44	20° 1	22°32	21°38	17° 9	25°48	13°50	20°18	25°55	25°33	27°34	14°31	T 18
W19	18 23 0	5°42'32	7M20	1°41	21° 4	23° 6	21°35	17°15	25°47	13°49	20°17	25°56	25°29	27°41	14°36	W19
T 20	18 26 57	6°39'42	1°58	2°34	22° 7	23°39	21°31	17°21	25°46	13°47	20°16	25°57	25°26	27°47	14°41	T 20
F 21	18 30 54	7°36'52	6X47	3°24	23°11	24°12	21°28	17°27	25°44	13°46	20°15	25°57	25°23	27°54	14°46	F 21
S 22	18 34 50	8°34'02	21°40	4°11	24°15	24°45	21°24	17°33	25°43	13°44	20°14	25°R58	25°20	28° 1	14°51	S 22
S 23	18 38 47	9°31'12	6B31	4°54	25°19	25°17	21°20	17°39	25°42	13°42	20°13	25°58	25°17	28° 7	14°56	S 23
M24	18 42 43	10°28'22	21°11	5°33	26°23	25°49	21°16	17°45	25°40	13°41	20°12	25°57	25°14	28°14	15° 1	M24
T 25	18 46 40	11°25'32	5≈35	6° 8	27°28	26°21	21°12	17°50	25°39	13°39	20°11	25°55	25°10	28°21	15° 6	T 25
W26	18 50 36	12°22'43	19°36	6°39	28°32	26°53	21° 8	17°56	25°37	13°38	20°10	25°53	25° 7	28°27	15°11	W26
T 27	18 54 33	13°19'54	3H13	7° 7	29°37	27°24	21° 3	18° 1	25°36	13°36	20° 9	25°51	25° 4	28°34	15°16	T 27
F 28	18 58 30	14°17'06	16°24	7°29	0II42	27°55	20°58	18° 7	25°34	13°34	20° 9	25°49	25° 1	28°41	15°21	F 28
S 29	19 2 26	15°14'18	29°12	7°48	1°48	28°25	20°54	18°12	25°33	13°33	20° 8	25°47	24°58	28°47	15°26	S 29
S 30	19 6 23	16D11'31	11Y39	8D 1	2II53	28H56	20≈49	18B18	25≈31	13B31	20M 7	25°D47	24II54	28B54	15II30	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n 1	8s31	5s16	25n19	2n 2	9n57	2s41	9s30	2s50	15s 2	0s53	14n26	2s 7	13s34	0s45	22s 1	0n44	4s20	14n 6	23n27	23n27	16n40	17n47	4s40			
S 2	23 5	3 33	5 15	25 11	2 0	10 16	2 43	9 18	2 52	15 2	0 53	14 28	2 7	13 35	0 45	22 1	0 44	4 20	14 6	23 27	23 27	16 42	17 48	4 40			
M 3	23 10	1n27	4 59	25 1	1 58	10 34	2 45	9 5	2 54	15 2	0 53	14 30	2 8	13 35	0 45	22 1	0 44	4 20	14 5	23 27	23 27	16 45	17 48	4 41			
T 4	23 13	6 19	4 31	24 49	1 55	10 52	2 46	8 53	2 56	15 3	0 54	14 32	2 8	13 35	0 45	22 1	0 44	4 20	14 5	23 27	23 27	16 47	17 49	4 41			
W 5	23 17	10 56	3 52	24 36	1 51	11 10	2 47	8 40	2 58	15 3	0 54	14 34	2 8	13 35	0 45	22 1	0 44	4 20	14 5	23 27	23 27	16 49	17 49	4 41			
T 6	23 20	15 7	3 2	24 21	1 47	11 28	2 48	8 28	3 0	15 4	0 54	14 36	2 8	13 36	0 45	22 2	0 44	4 20	14 5	23 27	23 27	16 52	17 50	4 41			
F 7	23 23	18 44	2 5	24 5	1 42	11 46	2 49	8 16	3 2	15 4	0 54	14 37	2 8	13 36	0 45	22 2	0 44	4 20	14 4	23 27	23 27	16 54	17 50	4 41			
S 8	23 25	21 35	1 2	23 48	1 36	12 5	2 50	8 3	3 3	15 5	0 55	14 39	2 8	13 36	0 45	22 2	0 44	4 20	14 4	23 27	23 27	16 56	17 51	4 41			
S 9	23 27	23 31	0n 3	23 29	1 30	12 23	2 51	7 51	3 5	15 6	0 55	14 41	2 8	13 36	0 45	22 2	0 44	4 20	14 3	23 27	23 27	16 58	17 51	4 41			
M10	23 28	24 23	1 10	23 10	1 23	12 41	2 51	7 39	3 7	15 6	0 55	14 43	2 8	13 37	0 45	22 2	0 44	4 20	14 3	23 27	23 27	17 1	17 52	4 42			
T 11	23 29	24 5	2 14	22 50	1 16	12 59	2 51	7 27	3 9	15 7	0 56	14 45	2 8	13 37	0 45	22 2	0 44	4 20	14 3	23 27	23 26	17 3	17 52	4 42			
W12	23 30	22 37	3 12	22 29	1 8	13 17	2 52	7 15	3 11	15 8	0 56	14 46	2 8	13 37	0 45	22 3	0 44	4 20	14 2	23 27	23 26	17 5	17 53	4 42			
T 13	23 30	20 0	4 3	22 7	0 59	13 35	2 52	7 3	3 13	15 9	0 56	14 48	2 9	13 38	0 45	22 3	0 44	4 21	14 2	23 27	23 26	17 8	17 53	4 42			
F 14	23 30	16 23	4 42	21 45	0 50	13 53	2 52	6 51	3 15	15 10	0 56	14 50	2 9	13 38	0 45	22 3	0 44	4 21	14 2	23 26	23 26	17 10	17 53	4 42			
S 15	23 29	11 55	5 8	21 22	0 41	14 11	2 52	6 39	3 16	15 11	0 57	14 51	2 9	13 39	0 45	22 3	0 44	4 21	14 1	23 26	23 26	17 12	17 54	4 42			
S 16	23 28	6 47	5 17	20 59	0 30	14 28	2 51	6 27	3 18	15 12	0 57	14 53	2 9	13 39	0 45	22 3	0 44	4 21	14 1	23 26	23 26	17 14	17 54	4 43			
M17	23 27	1 12	5 9	20 35	0 20	14 46	2 51	6 15	3 20	15 13	0 57	14 55	2 9	13 39	0 45	22 3	0 44	4 21	14 0	23 26	23 26	17 17	17 55	4 43			
T 18	23 25	4s34	4 43	20 11	0 9	15 3	2 50	6 4	3 22	15 14	0 57	14 56	2 9	13 40	0 45	22 4	0 44	4 21	14 0	23 26	23 26	17 19	17 55	4 43			
W19	23 23	10 14	3 58	19 48	0s 3	15 21	2 50	5 52	3 24	15 16	0 58	14 58	2 9	13 40	0 45	22 4	0 44	4 21	14 0	23 26	23 26	17 21	17 55	4 43			
T 20	23 20	15 27	2 58	19 24	0 15	15 38	2 49	5 41	3 26	15 17	0 58	14 59	2 9	13 41	0 46	22 4	0 44	4 21	13 59	23 27	23 26	17 23	17 56	4 43			
F 21	23 17	19 47	1 44	19 0	0 27	15 54	2 48	5 29	3 28	15 18	0 58	15 1	2 10	13 41	0 46	22 4	0 44	4 22	13 59	23 27	23 25	17 26	17 56	4 44			
S 22	23 14	22 51	0 24	18 37	0 40	16 11	2 47	5 18	3 30	15 20	0 58	15 2	2 10	13 42	0 46	22 4	0 44	4 22	13 58	23 27	23 25	17 28	17 56	4 44			
S 23	23 10	24 19	0s58	18 14	0 53	16 27	2 46	5 7	3 31	15 21	0 59	15 4	2 10	13 42	0 46	22 4	0 44	4 22	13 58	23 27	23 25	17 30	17 57	4 44			
M24	23 5	24 3	2 15	17 51	1 7	16 43	2 45	4 56	3 33	15 23	0 59	15 5	2 10	13 43	0 46	22 5	0 44	4 22	13 57	23 27	23 25	17 32	17 57	4 44			
T 25	23 1	22 11	3 22	17 29	1 20	16 59	2 44	4 45	3 35	15 24	0 59	15 7	2 10	13 43	0 46	22 5	0 44	4 22	13 57	23 26	23 25	17 35	17 57	4 45			
W26	22 56	19 0	4 15	17 8	1 34	17 15	2 42	4 34	3 37	15 26	1 0	15 8	2 10	13 44	0 46	22 5	0 44	4 23	13 57	23 26	23 25	17 37	17 58	4 45			
T 27	22 50	14 53	4 52	16 48	1 49	17 30	2 41	4 23	3 39	15 28	1 0	15 10	2 10	13 44	0 46	22 5	0 43	4 23	13 56	23 26	23 25	17 39	17 58	4 45			
F 28	22 44	10 9	5 12	16 28	2 3	17 45	2 39	4 12	3 41	15 30	1 0	15 11	2 10	13 45	0 46	22 5	0 43	4 23	13 56	23 26	23 25	17 41	17 58	4 45			
S 29	22 38	5 8	5 15	16 9	2 17	18 0	2 38	4 2	3 43	15 31	1 0	15 12	2 11	13 46	0 46	22 6	0 43	4 23	13 55	23 26	23 24	17 43	17 58	4 46			
S 30	22n31	0s 2	5s 4	15n52	2s32	18n15	2s36	3s51	3s44	15s33	1s 1	15n14	2s11	13s46	0s46	22s 6	0n43	4s24	13n55	23n26	23n24	17n46	17n59	4s46			

ASTRODIENST EPHEMERIS for the year 1499
geocentric

JULY 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 10 19	17°58'44"	23°49'49"	8°10'10"	3°11'59"	29°26'26"	20°R43	18°32'23"	25°R29	13°R29	20°R 6	25°47'47"	24°47'51"	29°8'11"	15°11'35"	M 1
T 2	19 14 16	18° 5'58"	5°48'48"	8°R14	5° 5'	29°55'	20°38'38"	18°28'	25°28'28"	13°28'28"	20°M 6	25°48'	24°48'	29° 7'	15°40'	T 2
W 3	19 18 12	19° 3'13"	17°39'	8°14'	6°11'	0°25'	20°33'	18°33'	25°26'	13°26'	20° 5'	25°49'	24°45'	29°14'	15°45'	W 3
T 4	19 22 9	20° 0'29"	29°27'	8° 8'	7°17'	0°54'	20°27'	18°38'	25°24'	13°25'	20° 4'	25°51'	24°42'	29°21'	15°49'	T 4
F 5	19 26 5	20°57'45"	11°11'17"	7°58'	8°23'	1°22'	20°21'	18°43'	25°22'	13°23'	20° 4'	25°52'	24°39'	29°27'	15°54'	F 5
S 6	19 30 2	21°55'02"	23°12'	7°43'	9°30'	1°50'	20°15'	18°48'	25°20'	13°21'	20° 3'	25°R53	24°35'	29°34'	15°59'	S 6
S 7	19 33 59	22°52'20"	5°56'16"	7°23'	10°36'	2°18'	20° 9'	18°53'	25°18'	13°20'	20° 3'	25°53'	24°32'	29°41'	16° 3'	S 7
M 8	19 37 55	23°49'39"	17°31'	6°58'	11°43'	2°45'	20° 3'	18°58'	25°17'	13°18'	20° 2'	25°51'	24°29'	29°47'	16° 8'	M 8
T 9	19 41 52	24°46'58"	29°58'	6°29'	12°50'	3°12'	19°57'	19° 2'	25°15'	13°17'	20° 2'	25°48'	24°26'	29°54'	16°13'	T 9
W10	19 45 48	25°44'18"	12°40'	5°56'	13°57'	3°39'	19°50'	19° 7'	25°13'	13°15'	20° 1'	25°44'	24°23'	0°11'11"	16°17'	W10
T 11	19 49 45	26°41'39"	25°35'	5°20'	15° 4'	4° 5'	19°44'	19°11'	25°11'	13°13'	20° 1'	25°39'	24°20'	0° 7'	16°22'	T 11
F 12	19 53 41	27°39'00"	8°14'43"	4°41'	16°12'	4°31'	19°37'	19°16'	25° 9'	13°12'	20° 1'	25°34'	24°16'	0°14'	16°26'	F 12
S 13	19 57 38	28°36'22"	22° 6'	3°59'	17°19'	4°56'	19°30'	19°20'	25° 7'	13°10'	20° 0'	25°30'	24°13'	0°20'	16°30'	S 13
S 14	20 1 34	29°33'44"	5°52'41"	3°15'	18°27'	5°21'	19°23'	19°24'	25° 5'	13° 9'	20° 0'	25°26'	24°10'	0°27'	16°35'	S 14
M15	20 5 31	0°31'07"	19°29'	2°31'	19°34'	5°45'	19°16'	19°29'	25° 2'	13° 7'	20° 0'	25°24'	24° 7'	0°34'	16°39'	M15
T 16	20 9 28	1°28'30"	3°11'28"	1°46'	20°42'	6° 9'	19° 9'	19°33'	25° 0'	13° 6'	19°59'	25°D24	24° 4'	0°40'	16°43'	T 16
W17	20 13 24	2°25'54"	17°38'	1° 1'	21°50'	6°32'	19° 2'	19°37'	24°58'	13° 4'	19°59'	25°24'	24° 0'	0°47'	16°47'	W17
T 18	20 17 21	3°23'19"	1°57'57"	0°18'	22°58'	6°55'	18°55'	19°41'	24°56'	13° 3'	19°59'	25°26'	23°57'	0°54'	16°52'	T 18
F 19	20 21 17	4°20'45"	16°23'37"	29°33'7"	24° 7'	7°17'	18°48'	19°44'	24°54'	13° 1'	19°59'	25°27'	23°54'	1° 0'	16°56'	F 19
S 20	20 25 14	5°18'11"	0°35'53"	28°59'	25°15'	7°39'	18°40'	19°48'	24°52'	13° 0'	19°59'	25°R27	23°51'	1° 7'	17° 0'	S 20
S 21	20 29 10	6°15'38"	15°21'	28°25'	26°24'	8° 0'	18°33'	19°52'	24°49'	12°58'	19°59'	25°26'	23°48'	1°14'	17° 4'	S 21
M22	20 33 7	7°13'06"	29°42'	27°55'	27°32'	8°20'	18°25'	19°55'	24°47'	12°57'	19°59'	25°22'	23°45'	1°20'	17° 8'	M22
T 23	20 37 3	8°10'35"	13°25'45"	27°31'	28°41'	8°40'	18°18'	19°59'	24°45'	12°55'	19°D59	25°17'	23°41'	1°27'	17°12'	T 23
W24	20 41 0	9° 8'05"	27°45'	27°12'	29°50'	9° 0'	18°10'	20° 2'	24°43'	12°54'	19°59'	25°10'	23°38'	1°34'	17°16'	W24
T 25	20 44 57	10° 5'36"	11°17'17"	26°59'	0°55'59"	9°19'	18° 2'	20° 5'	24°40'	12°53'	19°59'	25° 3'	23°35'	1°40'	17°20'	T 25
F 26	20 48 53	11° 3'09"	24°27'	26°D52	2° 8'	9°37'	17°55'	20° 9'	24°38'	12°51'	19°59'	24°56'	23°32'	1°47'	17°23'	F 26
S 27	20 52 50	12° 0'43"	7°15'15"	26°52'	3°17'	9°55'	17°47'	20°12'	24°36'	12°50'	19°59'	24°50'	23°29'	1°54'	17°27'	S 27
S 28	20 56 46	12°58'18"	19°43'	27° 0'	4°27'	10°12'	17°39'	20°15'	24°33'	12°48'	19°59'	24°45'	23°25'	2° 0'	17°31'	S 28
M29	21 0 43	13°55'55"	1°54'54"	27°14'	5°36'	10°28'	17°31'	20°17'	24°31'	12°47'	19°59'	24°42'	23°22'	2° 7'	17°34'	M29
T 30	21 4 39	14°53'33"	13°53'	27°35'	6°46'	10°44'	17°23'	20°20'	24°29'	12°46'	20° 0'	24°D42	23°19'	2°14'	17°38'	T 30
W31	21 8 36	15°51'13"	25°8'44"	28°54'	7°55'55"	10°15'59"	17°16'16"	20°32'23"	24°26'26"	12°45'45"	20°M 0	24°42'42"	23°16'16"	2°11'11"	17°42'	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	22n24	4n57 4s39	15n36 2s46	18n29 2s34	3s41 3s46	15s35 1s 1	15n15 2s11	13s47 0s46	22s 6 0n43	4s24 13n54	23n26 23n24	17n48 17n59	4s46			
T 2	22 17 9 41	4 2 15 21	3 0 18 43	2 32 3 31	3 48 15 37	1 1 15 16	2 11 13 47	0 46 22 6	0 43 4 24	13 54 23 26	23 24 17 50	17 59 4 46				
W 3	22 9 14 1	3 15 15 8	3 14 18 56	2 30 3 21	3 50 15 39	1 1 15 17	2 11 13 48	0 46 22 6	0 43 4 24	13 53 23 26	23 24 17 52	17 59 4 47				
T 4	22 1 17 48	2 20 14 56	3 28 19 9	2 28 3 11	3 52 15 41	1 1 15 19	2 11 13 49	0 46 22 6	0 43 4 25	13 53 23 26	23 24 17 54	17 59 4 47				
F 5	21 52 20 53	1 20 14 46	3 41 19 22	2 26 3 1	3 54 15 43	1 2 15 20	2 12 13 49	0 46 22 7	0 43 4 25	13 52 23 26	23 24 17 57	18 0 4 47				
S 6	21 43 23 5	0 15 14 38	3 53 19 34	2 24 2 52	3 55 15 45	1 2 15 21	2 12 13 50	0 46 22 7	0 43 4 25	13 52 23 26	23 24 17 59	18 0 4 48				
S 7	21 34 24 15	0n51 14 32	4 5 19 46	2 21 2 43	3 57 15 47	1 2 15 22	2 12 13 51	0 46 22 7	0 43 4 26	13 51 23 26	23 23 18 1	18 0 4 48				
M 8	21 24 24 16	1 56 14 27	4 16 19 58	2 19 2 33	3 59 15 49	1 2 15 23	2 12 13 51	0 46 22 7	0 43 4 26	13 51 23 26	23 23 18 3	18 0 4 48				
T 9	21 14 23 5	2 56 14 25	4 25 20 9	2 16 2 24	4 1 15 52	1 3 15 24	2 12 13 52	0 46 22 7	0 43 4 26	13 50 23 26	23 23 18 5	18 0 4 49				
W10	21 3 20 42	3 49 14 25	4 34 20 19	2 14 2 15	4 3 15 54	1 3 15 26	2 12 13 53	0 46 22 7	0 43 4 27	13 50 23 26	23 23 18 8	18 0 4 49				
T 11	20 52 17 16	4 30 14 26	4 41 20 29	2 11 2 7	4 4 15 56	1 3 15 27	2 13 13 53	0 46 22 8	0 43 4 27	13 49 23 26	23 23 18 10	18 1 4 49				
F 12	20 41 12 56	4 59 14 30	4 47 20 39	2 9 1 58	4 6 15 58	1 3 15 28	2 13 13 54	0 46 22 8	0 43 4 28	13 49 23 26	23 23 18 12	18 1 4 49				
S 13	20 30 7 54	5 11 14 35	4 51 20 49	2 6 1 50	4 8 16 1	1 3 15 29	2 13 13 55	0 46 22 8	0 43 4 28	13 48 23 26	23 23 18 14	18 1 4 50				
S 14	20 18 2 26	5 7 14 43	4 54 20 57	2 3 1 41	4 10 16 3	1 4 15 30	2 13 13 55	0 46 22 8	0 43 4 28	13 48 23 26	23 23 18 16	18 1 4 50				
M15	20 6 3s15	4 45 14 52	4 55 21 6	2 0 1 33	4 11 16 6	1 4 15 31	2 13 13 56	0 46 22 8	0 43 4 29	13 47 23 25	23 22 18 19	18 1 4 50				
T 16	19 53 8 51	4 6 15 3	4 54 21 13	1 57 1 26	4 13 16 8	1 4 15 31	2 13 13 57	0 46 22 8	0 43 4 29	13 47 23 25	23 22 18 21	18 1 4 51				
W17	19 40 14 5	3 11 15 15	4 51 21 21	1 55 1 18	4 15 16 10	1 4 15 32	2 14 13 58	0 46 22 9	0 43 4 30	13 46 23 25	23 22 18 23	18 1 4 51				
T 18	19 27 18 35	2 4 15 28	4 46 21 28	1 52 1 11	4 17 16 13	1 4 15 33	2 14 13 58	0 46 22 9	0 43 4 30	13 46 23 26	23 22 18 25	18 1 4 52				
F 19	19 14 21 59	0 49 15 43	4 40 21 34	1 49 1 3	4 18 16 15	1 5 15 34	2 14 13 59	0 46 22 9	0 43 4 31	13 45 23 26	23 22 18 27	18 1 4 52				
S 20	19 0 24 0	0s29 15 59	4 32 21 40	1 46 0 56	4 20 16 18	1 5 15 35	2 14 14 0	0 46 22 9	0 43 4 31	13 45 23 26	23 22 18 29	18 1 4 52				
S 21	18 46 24 22	1 46 16 15	4 23 21 45	1 43 0 50	4 22 16 20	1 5 15 36	2 14 14 1	0 46 22 9	0 43 4 32	13 44 23 26	23 22 18 31	18 1 4 53				
M22	18 31 23 7	2 55 16 31	4 12 21 50	1 39 0 43	4 23 16 23	1 5 15 36	2 15 14 1	0 46 22 9	0 43 4 32	13 44 23 25	23 21 18 34	18 1 4 53				
T 23	18 16 20 25	3 52 16 48	3 59 21 54	1 36 0 36	4 25 16 25	1 5 15 37	2 15 14 2	0 46 22 10	0 43 4 33	13 43 23 25	23 21 18 36	18 1 4 53				
W24	18 1 16 34	4 34 17 5	3 46 21 57	1 33 0 30	4 26 16 28	1 5 15 38	2 15 14 3	0 46 22 10	0 43 4 33	13 43 23 25	23 21 18 38	18 1 4 54				
T 25	17 46 11 58	5 0 17 22	3 31 22 0	1 30 0 24	4 28 16 30	1 6 15 39	2 15 14 4	0 46 22 10	0 43 4 34	13 42 23 25	23 21 18 40	18 1 4 54				
F 26	17 30 6 56	5 8 17 38	3 16 22 3	1 27 0 19	4 30 16 33	1 6 15 39	2 15 14 4	0 46 22 10	0 43 4 34	13 42 23 24	23 21 18 42	18 1 4 54				
S 27	17 14 1 44	5 1 17 53	3 0 22 4	1 23 0 13	4 31 16 35	1 6 15 40	2 16 14 5	0 46 22 10	0 43 4 35	13 41 23 24	23 21 18 44	18 1 4 55				
S 28	16 58 3n25	4 40 18 8	2 44 22 6	1 20 0 8	4 33 16 38	1 6 15 40	2 16 14 6	0 46 22 10	0 43 4 35	13 40 23 24	23 20 18 46	18 1 4 55				
M29	16 41 8 19	4 6 18 22	2 27 22 6	1 17 0 3	4 34 16 40	1 6 15 41	2 16 14 7	0 46 22 11	0 43 4 36	13 40 23 24	23 20 18 49	18 1 4 56				
T 30	16 25 12 50	3 22 18 35	2 10 22 7	1 13 0n 2	4 35 16 43	1 6 15 42	2 16 14 8	0 46 22 11	0 43 4 37	13 39 23 24	23 20 18 51	18 1 4 56				
W31	16n 8 16n49	2s30 18n46	1s53 22n 6	1s10 0n 7	4s37 16s45	1s 6 15n42	2s16 14s 8	0s46 22s11	0n43 4s37	13n39 23n24	23n20 18n53	18n 1 4s56				

Julian Day Number = 2268748.5, Delta T = 292.73 sec

ASTRODIENST EPHEMERIS for the year 1499

geocentric

AUGUST 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 12 32	16°48'55	7°11'32	28°40'00	9°52'05	11°17'14	17°R 8	20°32'26	24°R24	12°R43	20°M 0	24°I43	23°I13	2°I27	17°I45	T 1
F 2	21 16 29	17°46'38	19°24'00	29°23'00	10°15'00	11°27'00	17°R 0	20°28'00	24°R22	12°R42	20° 1	24°R44	23°10'00	2°34'00	17°49'00	F 2
S 3	21 20 26	18°44'23	1°23'00	0°01'14	11°25'00	11°40'00	16°52'00	20°30'00	24°19'00	12°41'00	20° 1	24°44'00	23° 6'00	2°40'00	17°52'00	S 3
S 4	21 24 22	19°42'09	13°35'00	1°11'00	12°35'00	11°52'00	16°44'00	20°33'00	24°17'00	12°40'00	20° 1	24°42'00	23° 3'00	2°47'00	17°55'00	S 4
M 5	21 28 19	20°39'57	26° 1'00	2°14'00	13°45'00	12° 4'00	16°36'00	20°35'00	24°15'00	12°38'00	20° 2	24°38'00	23° 0'00	2°54'00	17°58'00	M 5
T 6	21 32 15	21°37'47	8°01'44	3°24'00	14°56'00	12°14'00	16°29'00	20°37'00	24°12'00	12°37'00	20° 2	24°31'00	22°57'00	3° 0'00	18° 2'00	T 6
W 7	21 36 12	22°35'38	21°45'00	4°40'00	16° 6'00	12°24'00	16°21'00	20°39'00	24°10'00	12°36'00	20° 3	24°23'00	22°54'00	3° 7'00	18° 5'00	W 7
T 8	21 40 48	23°33'30	5°11'04	6° 1'00	17°16'00	12°34'00	16°13'00	20°41'00	24° 7'00	12°35'00	20° 3	24°13'00	22°51'00	3°14'00	18° 8'00	T 8
F 9	21 44 5	24°31'24	18°37'00	7°28'00	18°27'00	12°42'00	16° 5'00	20°43'00	24° 5'00	12°34'00	20° 4	24° 3'00	22°47'00	3°20'00	18°11'00	F 9
S 10	21 48 1	25°29'20	2°23'00	9° 0'00	19°38'00	12°49'00	15°58'00	20°44'00	24° 3'00	12°33'00	20° 5	23°54'00	22°44'00	3°27'00	18°14'00	S 10
S 11	21 51 58	26°27'16	16°18'00	10°36'00	20°48'00	12°56'00	15°50'00	20°46'00	24° 0'00	12°32'00	20° 5	23°46'00	22°41'00	3°33'00	18°17'00	S 11
M12	21 55 55	27°25'14	0°11'20	12°16'00	21°59'00	13° 2'00	15°42'00	20°47'00	23°58'00	12°31'00	20° 6	23°41'00	22°38'00	3°40'00	18°20'00	M12
T 13	21 59 51	28°23'14	14°25'00	14° 0'00	23°10'00	13° 7'00	15°35'00	20°49'00	23°55'00	12°30'00	20° 7	23°38'00	22°35'00	3°47'00	18°22'00	T 13
W14	22 3 48	29°21'14	28°32'00	15°46'00	24°21'00	13°11'00	15°27'00	20°50'00	23°53'00	12°29'00	20° 7	23°D38	22°31'00	3°53'00	18°25'00	W14
T 15	22 7 44	0°19'16	12°17'40	17°35'00	25°32'00	13°15'00	15°20'00	20°51'00	23°51'00	12°28'00	20° 8	23°38'00	22°28'00	4° 0'00	18°28'00	T 15
F 16	22 11 41	1°17'20	26°48'00	19°27'00	26°44'00	13°17'00	15°13'00	20°52'00	23°48'00	12°27'00	20° 9	23°R38	22°25'00	4° 7'00	18°30'00	F 16
S 17	22 15 37	2°15'25	10°35'44	21°20'00	27°55'00	13°19'00	15° 6'00	20°53'00	23°46'00	12°26'00	20°10	23°37'00	22°22'00	4°13'00	18°33'00	S 17
S 18	22 19 34	3°13'31	24°57'00	23°14'00	29° 6'00	13°R20	14°58'00	20°54'00	23°44'00	12°25'00	20°11	23°34'00	22°19'00	4°20'00	18°35'00	S 18
M19	22 23 30	4°11'39	8°33'53	25° 9'00	0°01'18	13°20'00	14°51'00	20°55'00	23°41'00	12°24'00	20°11	23°28'00	22°16'00	4°27'00	18°37'00	M19
T 20	22 27 27	5° 9'49	22°40'00	27° 5'00	1°29'00	13°19'00	14°45'00	20°55'00	23°39'00	12°23'00	20°12	23°19'00	22°12'00	4°33'00	18°40'00	T 20
W21	22 31 24	6° 8'00	6°11'14	29° 1'00	2°41'00	13°17'00	14°38'00	20°56'00	23°37'00	12°22'00	20°13	23° 8'00	22° 9'00	4°40'00	18°42'00	W21
T 22	22 35 20	7° 6'12	19°32'00	0°11'57	3°53'00	13°15'00	14°31'00	20°56'00	23°34'00	12°22'00	20°14	22°56'00	22° 6'00	4°47'00	18°44'00	T 22
F 23	22 39 17	8° 4'27	2°17'33	2°53'00	5° 4'00	13°11'00	14°24'00	20°56'00	23°32'00	12°21'00	20°15	22°44'00	22° 3'00	4°53'00	18°46'00	F 23
S 24	22 43 13	9° 2'43	15°15'00	4°49'00	6°16'00	13° 7'00	14°18'00	20°56'00	23°30'00	12°20'00	20°16	22°34'00	22° 0'00	5° 0'00	18°48'00	S 24
S 25	22 47 10	10° 1'02	27°39'00	6°44'00	7°28'00	13° 2'00	14°12'00	20°R57	23°27'00	12°19'00	20°18	22°25'00	21°57'00	5° 7'00	18°50'00	S 25
M26	22 51 6	10°59'23	9°13'48	8°39'00	8°40'00	12°56'00	14° 5'00	20°56'00	23°25'00	12°19'00	20°19	22°19'00	21°53'00	5°13'00	18°52'00	M26
T 27	22 55 3	11°57'45	21°46'00	10°32'00	9°52'00	12°49'00	13°59'00	20°56'00	23°23'00	12°18'00	20°20	22°15'00	21°50'00	5°20'00	18°54'00	T 27
W28	22 58 59	12°56'10	3°11'36	12°25'00	11° 5'00	12°41'00	13°53'00	20°56'00	23°21'00	12°18'00	20°21	22°13'00	21°47'00	5°27'00	18°56'00	W28
T 29	23 2 56	13°54'37	15°24'00	14°17'00	12°17'00	12°32'00	13°47'00	20°56'00	23°19'00	12°17'00	20°22	22°13'00	21°44'00	5°33'00	18°57'00	T 29
F 30	23 6 52	14°53'06	27°16'00	16° 8'00	13°29'00	12°23'00	13°42'00	20°55'00	23°16'00	12°16'00	20°23	22°13'00	21°41'00	5°40'00	18°59'00	F 30
S 31	23 10 49	15°11'38	9°23'17	17°11'59	14°01'42	12°17'13	13°33'36	20°R55	23°14'14	12°16'16	20°M25	22°I12	21°I37	5°I47	19°I 0	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n50	20n 8	1s31	18n55	1s36	22n 5	1s 7	0n11	4s38	16s48	1s 6	15n43	2s17	14s 9	0s46	22s11
F 2	15 33	22 36	0 29	19 3	1 19	22 3	1 3	0 15	4 40	16 50	1 7	15 43	2 17	14 10	0 46	22 11
S 3	15 15	24 6	0n36	19 8	1 3	22 1	1 0	0 19	4 41	16 53	1 7	15 43	2 17	14 11	0 46	22 11
S 4	14 57	24 28	1 39	19 12	0 46	21 58	0 57	0 23	4 42	16 55	1 7	15 44	2 17	14 12	0 46	22 11
M 5	14 39	23 37	2 40	19 13	0 31	21 55	0 53	0 26	4 43	16 58	1 7	15 44	2 17	14 12	0 46	22 12
T 6	14 20	21 33	3 33	19 12	0 16	21 51	0 50	0 32	4 44	17 0	1 7	15 45	2 18	14 13	0 46	22 12
W 7	14 1	18 20	4 17	19 8	0 1	21 46	0 46	0 29	4 46	17 3	1 7	15 45	2 18	14 14	0 46	22 12
T 8	13 42	14 8	4 47	19 1	0n12	21 40	0 43	0 35	4 47	17 5	1 7	15 45	2 18	14 15	0 46	22 12
F 9	13 23	9 9	5 3	18 52	0 25	21 35	0 40	0 37	4 48	17 8	1 7	15 45	2 18	14 16	0 46	22 12
S 10	13 4	3 39	5 1	18 39	0 37	21 28	0 36	0 39	4 49	17 10	1 7	15 46	2 18	14 16	0 46	22 12
S 11	12 44	2s 6	4 41	18 24	0 48	21 21	0 33	0 41	4 50	17 12	1 7	15 46	2 19	14 17	0 46	22 12
M12	12 24	7 48	4 5	18 6	0 58	21 13	0 29	0 42	4 50	17 15	1 7	15 46	2 19	14 18	0 46	22 12
T 13	12 4	13 8	3 13	17 45	1 7	21 5	0 26	0 43	4 51	17 17	1 7	15 46	2 19	14 19	0 46	22 13
W14	11 44	17 47	2 10	17 21	1 16	20 56	0 23	0 44	4 52	17 19	1 7	15 46	2 19	14 20	0 46	22 13
T 15	11 23	21 25	0 58	16 55	1 23	20 46	0 19	0 45	4 53	17 21	1 8	15 46	2 19	14 20	0 46	22 13
F 16	11 3	23 45	1s17	16 26	1 39	20 36	0 16	0 45	4 53	17 24	1 8	15 46	2 20	14 21	0 46	22 13
S 17	10 42	24 34	0s30	15 55	1 24	20 26	0 13	0 46	4 54	17 26	1 8	15 47	2 20	14 22	0 46	22 13
S 18	10 21	23 48	2 38	15 22	1 39	20 14	0 10	0 46	4 54	17 28	1 8	15 47	2 20	14 23	0 46	22 13
M19	10 0	21 33	3 36	14 46	1 42	20 2	0 6	0 45	4 54	17 30	1 8	15 47	2 20	14 23	0 46	22 13
T 20	9 39	18 5	4 20	14 9	1 45	19 50	0 3	0 45	4 55	17 32	1 8	15 46	2 21	14 24	0 46	22 13
W21	9 17	13 43	4 49	13 30	1 46	19 37	0n 0	0 44	4 55	17 34	1 8	15 46	2 21	14 25	0 46	22 14
T 22	8 56	8 46	5 1	12 50	1 47	19 23	0 3	0 43	4 55	17 36	1 8	15 46	2 21	14 26	0 46	22 14
F 23	8 34	3 32	4 57	12 9	1 48	19 9	0 6	0 42	4 55	17 38	1 8	15 46	2 21	14 27	0 46	22 14
S 24	8 12	1n44	4 38	11 26	1 47	18 55	0 9	0 40	4 55	17 40	1 8	15 46	2 21	14 27	0 46	22 14
S 25	7 50	6 49	4 7	10 42	1 46	18 39	0 13	0 38	4 54	17 42	1 8	15 46	2 22	14 28	0 46	22 14
M26	7 28	11 33	3 25	9 58	1 45	18 24	0 16	0 36	4 54	17 44	1 8	15 46	2 22	14 29	0 46	22 14
T 27	7 6	15 47	2 34	9 13	1 42	18 7	0 19	0 34	4 54	17 45	1 8	15 45	2 22	14 29	0 46	22 14
W28	6 43	19 21	1 37	8 27	1 40	17 50	0 21	0 32	4 53	17 47	1 8	15 45	2 22	14 30	0 46	22 14
T 29	6 21	22 6	0 36	7 41	1 36	17 33	0 24	0 29	4 52	17 49	1 8	15 45	2 22	14 31	0 46	22 14
F 30	5 58	23 55	0n27	6 54	1 33	17 15	0 27	0 26	4 52	17 50	1 8	15 44	2 23	14 32	0 46	22 14
S 31	5n35	24n40	1n29	6n 8	1n29	16n57	0n30	0n23	4s51	17s52	1s 8	15n44	2s23	14s32	0s46	22s14

Julian Day Number = 2268779.5, Delta T = 292.54 sec

Ecliptic obliquity = 23°30'17", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'29", Lahiri = 16°52'30" Julian Calendar 1 Aug. 1499 == Greg. Calendar 10 Aug. 1499

ASTRODIENST EPHEMERIS for the year 1499

geocentric

SEPTEMBER 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 14 46	16 ^h 50 ^m 11 ^s	21 ^h 32 ^m	19 ^h 48 ^m	15 ^h 54 ^m	12 ^h R 2	13 ^h R31	20 ^h R54	23 ^h R12	12 ^h R15	20 ^h M26	22 ^h R10	21 ^h II34	5 ^h II53	19 ^h II 2	S 1
M 2	23 18 42	17 ^h 48 ^m 47 ^s	4 ^h Ω 5	21 ^h 36 ^m	17 ^h 7	11 ^h Υ50	13 ^h ≈26	20 ^h ≈53	23 ^h ≈10	12 ^h ≈15	20 ^h 27	22 ^h II 4	21 ^h 31	6 ^h 0	19 ^h 3	M 2
T 3	23 22 39	18 ^h 47 ^m 25 ^s	16 ^h 59 ^m	23 ^h 23 ^m	18 ^h 20 ^m	11 ^h 38 ^m	13 ^h 20 ^m	20 ^h 52 ^m	23 ^h 8	12 ^h 15 ^m	20 ^h 29	21 ^h 57 ^m	21 ^h 28 ^m	6 ^h 6	19 ^h 4	T 3
W 4	23 26 35	19 ^h 46 ^m 05 ^s	0 ^h 16 ^m	25 ^h 9	19 ^h 32 ^m	11 ^h 25 ^m	13 ^h 16 ^m	20 ^h 51 ^m	23 ^h 6	12 ^h 14 ^m	20 ^h 30	21 ^h 46 ^m	21 ^h 25 ^m	6 ^h 13	19 ^h 6	W 4
T 5	23 30 32	20 ^h 44 ^m 47 ^s	13 ^h 55 ^m	26 ^h 54 ^m	20 ^h 45 ^m	11 ^h 11 ^m	13 ^h 11 ^m	20 ^h 50 ^m	23 ^h 4	12 ^h 14 ^m	20 ^h 32	21 ^h 34 ^m	21 ^h 22 ^m	6 ^h 20	19 ^h 7	T 5
F 6	23 34 28	21 ^h 43 ^m 31 ^s	27 ^h 53 ^m	28 ^h 38 ^m	21 ^h 58 ^m	10 ^h 57 ^m	13 ^h 6	20 ^h 49 ^m	23 ^h 2	12 ^h 14 ^m	20 ^h 33	21 ^h 22 ^m	21 ^h 18 ^m	6 ^h 26	19 ^h 8	F 6
S 7	23 38 25	22 ^h 42 ^m 17 ^s	12 ^h Ω 6	0 ^h Ω21	23 ^h 11 ^m	10 ^h 42 ^m	13 ^h 2	20 ^h 47 ^m	23 ^h 0	12 ^h 13 ^m	20 ^h 34	21 ^h 10 ^m	21 ^h 15 ^m	6 ^h 33	19 ^h 9	S 7
S 8	23 42 21	23 ^h 41 ^m 04 ^s	26 ^h 27 ^m	2 ^h 3	24 ^h 24 ^m	10 ^h 26 ^m	12 ^h 57 ^m	20 ^h 46 ^m	22 ^h 58 ^m	12 ^h 13 ^m	20 ^h 36	21 ^h 1	21 ^h 12 ^m	6 ^h 40	19 ^h 10	S 8
M 9	23 46 18	24 ^h 39 ^m 54 ^s	10 ^h M51	3 ^h 45 ^m	25 ^h 37 ^m	10 ^h 10 ^m	12 ^h 53 ^m	20 ^h 44 ^m	22 ^h 56 ^m	12 ^h 13 ^m	20 ^h 38	20 ^h 54 ^m	21 ^h 9	6 ^h 46	19 ^h 10	M 9
T 10	23 50 15	25 ^h 38 ^m 46 ^s	25 ^h 13 ^m	5 ^h 25 ^m	26 ^h 50 ^m	9 ^h 54 ^m	12 ^h 50 ^m	20 ^h 43 ^m	22 ^h 54 ^m	12 ^h 13 ^m	20 ^h 39	20 ^h 50 ^m	21 ^h 6	6 ^h 53	19 ^h 11	T 10
W11	23 54 11	26 ^h 37 ^m 39 ^s	9 ^h ≈30	7 ^h 4	28 ^h 3	9 ^h 37 ^m	12 ^h 46 ^m	20 ^h 41 ^m	22 ^h 52 ^m	12 ^h 12 ^m	20 ^h 41	20 ^h 48 ^m	21 ^h 3	7 ^h 0	19 ^h 12	W11
T 12	23 58 8	27 ^h 36 ^m 34 ^s	23 ^h 39 ^m	8 ^h 42 ^m	29 ^h 17 ^m	9 ^h 19 ^m	12 ^h 42 ^m	20 ^h 39 ^m	22 ^h 50 ^m	12 ^h 12 ^m	20 ^h 42	20 ^h 48 ^m	20 ^h 59 ^m	7 ^h 6	19 ^h 12	T 12
F 13	0 2 4	28 ^h 35 ^m 31 ^s	7 ^h ≈39	10 ^h 20 ^m	0 ^h 30	9 ^h 2	12 ^h 39 ^m	20 ^h 37 ^m	22 ^h 48 ^m	12 ^h 12 ^m	20 ^h 44	20 ^h 48 ^m	20 ^h 56 ^m	7 ^h 13	19 ^h 13	F 13
S 14	0 6 1	29 ^h 34 ^m 29 ^s	21 ^h 30 ^m	11 ^h 56 ^m	1 ^h 43 ^m	8 ^h 44 ^m	12 ^h 36 ^m	20 ^h 35 ^m	22 ^h 47 ^m	12 ^h 12 ^m	20 ^h 46	20 ^h 47 ^m	20 ^h 53 ^m	7 ^h 20	19 ^h 13	S 14
S 15	0 9 57	0 ^h Ω33 ^m 30 ^s	5 ^h ≈12	13 ^h 32 ^m	2 ^h 57 ^m	8 ^h 26 ^m	12 ^h 33 ^m	20 ^h 33 ^m	22 ^h 45 ^m	12 ^h D12	20 ^h 47	20 ^h 43 ^m	20 ^h 50 ^m	7 ^h 26	19 ^h 14	S 15
M16	0 13 54	1 ^h 32 ^m 32 ^s	18 ^h 44 ^m	15 ^h 7	4 ^h 10 ^m	8 ^h 7	12 ^h 30 ^m	20 ^h 31 ^m	22 ^h 43 ^m	12 ^h 12 ^m	20 ^h 49	20 ^h 37 ^m	20 ^h 47 ^m	7 ^h 33	19 ^h 14	M16
T 17	0 17 50	2 ^h 31 ^m 35 ^s	2 ^h ≈7	16 ^h 41 ^m	5 ^h 24 ^m	7 ^h 49 ^m	12 ^h 27 ^m	20 ^h 28 ^m	22 ^h 42 ^m	12 ^h 12 ^m	20 ^h 51	20 ^h 27 ^m	20 ^h 43 ^m	7 ^h 40	19 ^h 14	T 17
W18	0 21 47	3 ^h 30 ^m 41 ^s	15 ^h 17 ^m	18 ^h 14 ^m	6 ^h 37 ^m	7 ^h 30 ^m	12 ^h 25 ^m	20 ^h 26 ^m	22 ^h 40 ^m	12 ^h 12 ^m	20 ^h 52	20 ^h 16 ^m	20 ^h 40 ^m	7 ^h 46	19 ^h 14	W18
T 19	0 25 44	4 ^h 29 ^m 49 ^s	28 ^h 16 ^m	19 ^h 47 ^m	7 ^h 51 ^m	7 ^h 11 ^m	12 ^h 23 ^m	20 ^h 23 ^m	22 ^h 38 ^m	12 ^h 12 ^m	20 ^h 54	20 ^h 3	20 ^h 37 ^m	7 ^h 53	19 ^h R14	T 19
F 20	0 29 40	5 ^h 28 ^m 58 ^s	11 ^h Υ 0	21 ^h 18 ^m	9 ^h 5	6 ^h 53 ^m	12 ^h 21 ^m	20 ^h 21 ^m	22 ^h 37 ^m	12 ^h 13 ^m	20 ^h 56	19 ^h 50 ^m	20 ^h 34 ^m	7 ^h 59	19 ^h 14	F 20
S 21	0 33 37	6 ^h 28 ^m 10 ^s	23 ^h 30 ^m	22 ^h 49 ^m	10 ^h 18 ^m	6 ^h 34 ^m	12 ^h 19 ^m	20 ^h 18 ^m	22 ^h 35 ^m	12 ^h 13 ^m	20 ^h 58	19 ^h 39 ^m	20 ^h 31 ^m	8 ^h 6	19 ^h 14	S 21
S 22	0 37 33	7 ^h 27 ^m 24 ^s	5 ^h ≈46	24 ^h 19 ^m	11 ^h 32 ^m	6 ^h 16 ^m	12 ^h 17 ^m	20 ^h 15 ^m	22 ^h 34 ^m	12 ^h 13 ^m	21 ^h 0	19 ^h 29 ^m	20 ^h 28 ^m	8 ^h 13	19 ^h 14	S 22
M23	0 41 30	8 ^h 26 ^m 40 ^s	17 ^h 50 ^m	25 ^h 48 ^m	12 ^h 46 ^m	5 ^h 57 ^m	12 ^h 16 ^m	20 ^h 12 ^m	22 ^h 32 ^m	12 ^h 13 ^m	21 ^h 2	19 ^h 22 ^m	20 ^h 24 ^m	8 ^h 19	19 ^h 13	M23
T 24	0 45 26	9 ^h 25 ^m 58 ^s	29 ^h 45 ^m	27 ^h 16 ^m	14 ^h 0	5 ^h 39 ^m	12 ^h 15 ^m	20 ^h 9	22 ^h 31 ^m	12 ^h 13 ^m	21 ^h 4	19 ^h 18 ^m	20 ^h 21 ^m	8 ^h 26	19 ^h 13	T 24
W25	0 49 23	10 ^h 25 ^m 19 ^s	11 ^h II33	28 ^h 44 ^m	15 ^h 14 ^m	5 ^h 21 ^m	12 ^h 14 ^m	20 ^h 6	22 ^h 30 ^m	12 ^h 14 ^m	21 ^h 5	19 ^h 16 ^m	20 ^h 18 ^m	8 ^h 33	19 ^h 13	W25
T 26	0 53 19	11 ^h 24 ^m 42 ^s	23 ^h 20 ^m	0 ^h M11	16 ^h 28 ^m	5 ^h 3	12 ^h 13 ^m	20 ^h 3	22 ^h 28 ^m	12 ^h 14 ^m	21 ^h 7	19 ^h D16	20 ^h 15 ^m	8 ^h 39	19 ^h 12	T 26
F 27	0 57 16	12 ^h 24 ^m 07 ^s	5 ^h ≈11	1 ^h 37 ^m	17 ^h 42 ^m	4 ^h 46 ^m	12 ^h 12 ^m	20 ^h 0	22 ^h 27 ^m	12 ^h 14 ^m	21 ^h 9	19 ^h 16 ^m	20 ^h 12 ^m	8 ^h 46	19 ^h 11	F 27
S 28	1 1 13	13 ^h 23 ^m 35 ^s	17 ^h 10 ^m	3 ^h 2	18 ^h 56 ^m	4 ^h 29 ^m	12 ^h 12 ^m	19 ^h 56 ^m	22 ^h 26 ^m	12 ^h 15 ^m	21 ^h 11	19 ^h R17	20 ^h 8	8 ^h 53	19 ^h 11	S 28
S 29	1 5 9	14 ^h 23 ^m 05 ^s	29 ^h 24 ^m	4 ^h 26 ^m	20 ^h 11 ^m	4 ^h 13 ^m	12 ^h 12 ^m	19 ^h 53 ^m	22 ^h 24 ^m	12 ^h 15 ^m	21 ^h 13	19 ^h 15 ^m	20 ^h 5	8 ^h 59	19 ^h 10	S 29
M30	1 9 6	15 ^h Ω22 ^m 37 ^s	11 ^h Ω57	5 ^h M49	21 ^h ≈25	3 ^h Υ56	12 ^h D12	19 ^h ≈49	22 ^h ≈23	12 ^h ≈16	21 ^h M15	19 ^h II12	20 ^h II 2	9 ^h II 6	19 ^h II 9	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
S 1	5n13	24n13	2n29	5n21	1n24	16n38	0n33	0n20	4s50	17s53	1s 8	15n44	2s23	14s33	0s46	22s14	0n42	4s59	13n22	23n16	23n14	19n58	17n53	5s11	
M 2	4 50	22 34	3 22	4 34	1 20	16 19	0 36	0 16	4 48	17 55	1 8	15 43	2 23	14 34	0 46	22 15	0 42	5 0	13 22	23 16	23 14	20 0	17 52	5 12	
T 3	4 27	19 42	4 7	3 46	1 14	15 59	0 38	0 13	4 47	17 56	1 7	15 43	2 23	14 34	0 46	22 15	0 42	5 1	13 22	23 16	23 14	20 2	17 52	5 12	
W 4	4 4	15 46	4 40	2 59	1 9	15 39	0 41	0 9	4 46	17 58	1 7	15 42	2 24	14 35	0 46	22 15	0 42	5 2	13 21	23 15	23 14	20 4	17 51	5 13	
T 5	3 41	10 55	4 58	2 12	1 4	15 18	0 44	0 5	4 44	17 59	1 7	15 42	2 24	14 36	0 46	22 15	0 42	5 3	13 21	23 14	23 13	20 6	17 51	5 13	
F 6	3 17	5 24	4 58	1 26	0 58	14 57	0 46	0 1	4 42	18 0	1 7	15 41	2 24	14 36	0 46	22 15	0 42	5 3	13 20	23 13	23 13	20 8	17 51	5 14	
S 7	2 54	0s29	4 41	0 39	0 52	14 35	0 48	0s 3	4 41	18 2	1 7	15 41	2 24	14 37	0 46	22 15	0 42	5 4	13 20	23 13	23 13	20 10	17 50	5 14	
S 8	2 31	6 25	4 5	0s 8	0 45	14 13	0 51	0 8	4 39	18 3	1 7	15 40	2 24	14 38	0 46	22 15	0 42	5 5	13 19	23 12	23 13	20 12	17 50	5 15	
M 9	2 8	12 3	3 14	0 54	0 39	13 51	0 53	0 12	4 36	18 4	1 7	15 40	2 25	14 38	0 46	22 15	0 42	5 6	13 19	23 11	23 13	20 14	17 49	5 16	
T 10	1 44	17 0	2 11	1 40	0 32	13 28	0 56	0 16	4 34	18 5	1 7	15 39	2 25	14 39	0 46	22 15	0 42	5 7	13 18	23 11	23 12	20 16	17 49	5 16	
W11	1 21	20 57	0 59	2 25	0 26	13 5	0 58	0 21	4 32	18 6	1 7	15 39	2 25	14 39	0 46	22 15	0 42	5 7	13 18	23 11	23 12	20 18	17 48	5 17	
T 12	0 57	23 36	0s15	3 10	0 19	12 42	1 0	0 25	4 29	18 7	1 7	15 38	2 25	14 40	0 46	22 15	0 42	5 8	13 18	23 11	23 12	20 20	17 48	5 17	
F 13	0 34	24 45	1 28	3 55	0 12	12 18	1 2	0 30	4 27	18 8	1 7	15 37	2 25	14 41	0 46	22 15	0 42	5 9	13 17	23 11	23 12	20 22	17 47	5 18	
S 14	0 10	24 20	2 35	4 39	0 5	11 53	1 4	0 34	4 24	18 8	1 7	15 36	2 25	14 41	0 46	22 15	0 42	5 10	13 17	23 11	23 11	20 24	17 47	5 18	
S 15	0s13	22 27	3 32	5 23	0s 2	11 29	1 6	0 39	4 21	18 9	1 7	15 36	2 26	14 42	0 46	22 15	0 41	5 11	13 16	23 11	23 11	20 26	17 46	5 19	
M16	0 37	19 18	4 16	6 7	0 9	11 4	1 8	0 43	4 18	18 10	1 7	15 35	2 26	14 42	0 46	22 15	0 41	5 11	13 16	23 10	23 11	20 28	17 46	5 19	
T 17	1 0	15 12	4 46	6 49	0 16	10 39	1 10	0 48	4 15	18 11	1 7	15 34	2 26	14 43	0 46	22 15	0 41	5 12	13 15	23 10	23 11	20 30	17 45	5 20	
W18	1 24	10 25	5 0	7 32	0 23	10 13	1 12	0 52	4 12	18 11	1 6	15 33	2 26	14 43	0 46	22 15	0 41	5 13	13 15	23 9	23 11	20 32	17 45	5 20	
T 19	1 48	5 15	4 58	8 14	0 30	9 47	1 13	0 56	4 8	18 12	1 6	15 33	2 26	14 44	0 46	22 15	0 41	5 14	13 15	23 8	23 10	20 34	17 44	5 21	
F 20	2 11	0n 3	4 41	8 55	0 38	9 21	1 15	1 0	4 5	18 12	1 6	15 32	2 26	14 44	0 46	22 15	0 41	5 15	13 14	23 7	23 10	20 36	17 44	5 21	
S 21	2 35	5 16	4 11	9 35	0 45	8 54	1 17	1 4	4 1	18 13	1 6	15 31	2 27	14 45	0 46	22 15	0 41	5 16	13 14	23 6	23 10	20 37	17 43	5 22	
S 22	2 58	10 11	3 29	10 15	0 52	8 28	1 18	1 8	3 57	18 13	1 6	15 30	2 27	14 45	0 46	22 15	0 41	5 16	13 14	23 5	23 10	20 39	17 43	5 22	
M23	3 21	14 39	2 39	10 55	0 59	8 1	1 20	1 12	3 54	18 13	1 6	15 29	2 27	14 46	0 46	22 15	0 41	5 17	13 13	23 5	23 9	20 41	17 42	5 23	
T 24	3 45	18 29	1 42	11 33	1 6	7 33	1 21	1 16	3 50	18 14	1 6	15 28	2 27	14 46	0 46	22 15	0 41	5 18	13 13	23 4	23 9	20 43	17 42	5 23	
W25	4 8	21 33	0 41	12 11	1 13	7 6	1 22	1 19	3 46	18 14	1 6	15 27	2 27	14 47	0 46	22 15	0 41	5 19	13 12	23 4	23 9	20 45	17 41	5 24	
T 26	4 32	23 42	0n22	12 49	1 20	6 38	1 24	1 23	3 42	18 14	1 6	15 26	2 27	14 47	0 46	22 15	0 41	5 20	13 12	23 4	23 9	20 47	17 41	5 24	
F 27	4 55	24 48	1 24	13 25	1 27	6 10	1 25	1 26	3 38	18 14	1 6	15 25	2 27	14 47	0 46	22 15	0 41	5 20	13 12	23 4	23 8	20 49	17 40	5 25	
S 28	5 18	24 36	2 23	14 1	1 33	5 12	1 26	1 29	3 33	18 14	1 5	15 24	2 28	14 48	0 46	22 15	0 41	5 21	13 11	23 4	23 8	20 51	17 39	5 25	
S 29	5 41	23 33	3 17	14 36	1 40	5 14	1 27	1 31	3 29	18 14	1 5	15 23	2 28	14 48	0 46	22 15	0 41	5 22	13 11	23 4	23 8	20 53	17 39	5 26	
M30	6s 4	21n 9	4n 3	15s10	1s46	4n46	1n28	1s34	3s25	18s14	1s 5	15n22	2s28	14s48	0s46	22s15	0n41	5s23	13n11	23n 4	23n 8	20n54	17n38	5s26	

ASTRODIENST EPHEMERIS for the year 1499

geocentric

OCTOBER 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 2	16♌22'12	24♌54	7♍12	22♍39	3°R41	12♌12	19°R46	22°R22	12♌16	21♍17	19°R 6	19♍59	9♍13	19°R 8	T 1
W 2	1 16 59	17°21'49	8♍17	8°33	23°54	3°Y26	12°12	19♌42	22°21	12°17	21°19	18♍59	19°56	9°19	19♍7	W 2
T 3	1 20 55	18°21'28	22° 6	9°53	25° 8	3°11	12°13	19°38	22°20	12°17	21°21	18°49	19°53	9°26	19° 6	T 3
F 4	1 24 52	19°21'09	6♌20	11°12	26°22	2°57	12°13	19°34	22°19	12°18	21°24	18°39	19°49	9°33	19° 5	F 4
S 5	1 28 48	20°20'52	20°54	12°30	27°37	2°44	12°14	19°30	22°18	12°19	21°26	18°30	19°46	9°39	19° 4	S 5
S 6	1 32 45	21°20'37	5♍39	13°47	28°51	2°31	12°16	19°26	22°17	12°19	21°28	18°22	19°43	9°46	19° 2	S 6
M 7	1 36 41	22°20'24	20°29	15° 3	0♌ 6	2°19	12°17	19°22	22°16	12°20	21°30	18°17	19°40	9°52	19° 1	M 7
T 8	1 40 38	23°20'14	5♌16	16°17	1°20	2° 8	12°19	19°18	22°16	12°21	21°32	18°14	19°37	9°59	18°59	T 8
W 9	1 44 35	24°20'04	19°52	17°29	2°35	1°57	12°20	19°14	22°15	12°22	21°34	18°D13	19°34	10° 6	18°58	W 9
T 10	1 48 31	25°19'57	4♌14	18°39	3°50	1°48	12°22	19°10	22°14	12°22	21°36	18°14	19°30	10°12	18°56	T 10
F 11	1 52 28	26°19'51	18°19	19°48	5° 4	1°39	12°25	19° 6	22°14	12°23	21°39	18°15	19°27	10°19	18°55	F 11
S 12	1 56 24	27°19'47	2♌ 8	20°54	6°19	1°31	12°27	19° 1	22°13	12°24	21°41	18°R15	19°24	10°26	18°53	S 12
S 13	2 0 21	28°19'45	15°40	21°58	7°34	1°23	12°30	18°57	22°12	12°25	21°43	18°13	19°21	10°32	18°51	S 13
M14	2 4 17	29°19'44	28°57	23° 0	8°49	1°17	12°32	18°53	22°12	12°26	21°45	18°10	19°18	10°39	18°49	M14
T 15	2 8 14	0♌19'45	12♌ 0	23°58	10° 3	1°11	12°35	18°48	22°11	12°27	21°48	18° 4	19°14	10°46	18°47	T 15
W16	2 12 10	1°19'47	24°50	24°53	11°18	1° 6	12°38	18°43	22°11	12°28	21°50	17°56	19°11	10°52	18°45	W16
T 17	2 16 7	2°19'51	7°Y28	25°45	12°33	1° 2	12°42	18°39	22°11	12°29	21°52	17°48	19° 8	10°59	18°43	T 17
F 18	2 20 4	3°19'57	19°54	26°32	13°48	0°58	12°45	18°34	22°10	12°30	21°54	17°39	19° 5	11° 6	18°41	F 18
S 19	2 24 0	4°20'05	2♌ 9	27°15	15° 3	0°56	12°49	18°30	22°10	12°31	21°57	17°32	19° 2	11°12	18°39	S 19
S 20	2 27 57	5°20'14	14°15	27°53	16°18	0°54	12°53	18°25	22°10	12°32	21°59	17°25	18°59	11°19	18°36	S 20
M21	2 31 53	6°20'25	26°12	28°26	17°33	0°53	12°57	18°20	22°10	12°33	22° 1	17°21	18°55	11°26	18°34	M21
T 22	2 35 50	7°20'39	8♍ 3	28°52	18°48	0°D53	13° 1	18°15	22°10	12°34	22° 4	17°19	18°52	11°32	18°31	T 22
W23	2 39 46	8°20'54	19°50	29°11	20° 3	0°53	13° 6	18°11	22°10	12°36	22° 6	17°D18	18°49	11°39	18°29	W23
T 24	2 43 43	9°21'11	1♌36	29°22	21°18	0°55	13°11	18° 6	22°D10	12°37	22° 8	17°19	18°46	11°45	18°26	T 24
F 25	2 47 39	10°21'30	13°26	29°R26	22°33	0°57	13°15	18° 1	22°10	12°38	22°11	17°21	18°43	11°52	18°24	F 25
S 26	2 51 36	11°21'51	25°24	29°20	23°48	1° 0	13°20	17°56	22°10	12°39	22°13	17°23	18°40	11°59	18°21	S 26
S 27	2 55 33	12°22'14	7♌36	29° 5	25° 3	1° 3	13°26	17°51	22°10	12°41	22°15	17°R24	18°36	12° 5	18°18	S 27
M28	2 59 29	13°22'39	20° 5	28°40	26°18	1° 8	13°31	17°46	22°10	12°42	22°18	17°23	18°33	12°12	18°16	M28
T 29	3 3 26	14°23'06	2♍57	28° 5	27°34	1°13	13°36	17°42	22°10	12°43	22°20	17°22	18°30	12°19	18°13	T 29
W30	3 7 22	15°23'35	16°16	27°19	28°49	1°19	13°42	17°37	22°11	12°45	22°23	17°19	18°27	12°25	18°10	W30
T 31	3 11 19	16♍24'06	0♌ 3	26♍24	0♍ 4	1°Y26	13°48	17♌32	22°11	12°46	22°25	17°15	18°24	12°26	18°11	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	6s27	17n37	4n38	15s43	1s52	4n17	1n29	1s36	3s21	18s14	1s 5	15n21	2s28	14s49	0s46	22s15
W 2	6 50	13 6	4 59	16 16	1 59	3 48	1 30	1 38	3 16	18 13	1 5	15 20	2 28	14 49	0 46	22 15
T 3	7 13	7 47	5 4	16 47	2 4	3 19	1 30	1 40	3 12	18 13	1 5	15 19	2 28	14 49	0 46	22 15
F 4	7 36	1 55	4 50	17 18	2 10	2 50	1 31	1 41	3 7	18 13	1 5	15 18	2 28	14 50	0 46	22 15
S 5	7 58	4s12	4 18	17 47	2 16	2 21	1 32	1 42	3 3	18 12	1 5	15 17	2 28	14 50	0 45	22 15
S 6	8 21	10 11	3 28	18 16	2 21	1 52	1 32	1 43	2 58	18 12	1 5	15 15	2 28	14 50	0 45	22 15
M 7	8 43	15 37	2 23	18 43	2 26	1 23	1 33	1 44	2 54	18 12	1 4	15 14	2 28	14 50	0 45	22 15
T 8	9 5	20 6	1 9	19 9	2 31	0 53	1 33	1 44	2 50	18 11	1 4	15 13	2 29	14 51	0 45	22 15
W 9	9 28	23 16	0s 9	19 34	2 35	0 24	1 33	1 45	2 45	18 10	1 4	15 12	2 29	14 51	0 45	22 15
T 10	9 50	24 51	1 25	19 58	2 39	0s 6	1 34	1 44	2 41	18 10	1 4	15 11	2 29	14 51	0 45	22 15
F 11	10 11	24 48	2 35	20 20	2 43	0 35	1 34	1 44	2 36	18 9	1 4	15 9	2 29	14 51	0 45	22 15
S 12	10 33	23 13	3 34	20 42	2 46	1 5	1 34	1 43	2 32	18 8	1 4	15 8	2 29	14 51	0 45	22 15
S 13	10 55	20 19	4 20	21 1	2 48	1 34	1 34	1 42	2 27	18 7	1 4	15 7	2 29	14 52	0 45	22 15
M14	11 16	16 24	4 51	21 19	2 51	2 4	1 34	1 41	2 23	18 6	1 4	15 6	2 29	14 52	0 45	22 15
T 15	11 37	11 47	5 6	21 36	2 52	2 34	1 34	1 39	2 19	18 5	1 4	15 4	2 29	14 52	0 45	22 15
W16	11 58	6 44	4 50	21 51	2 53	3 3	1 33	1 37	2 14	18 4	1 3	15 3	2 29	14 52	0 45	22 15
T 17	12 19	1 28	4 56	22 3	2 54	3 33	1 33	1 35	2 10	18 3	1 3	15 2	2 29	14 52	0 45	22 15
F 18	12 40	3n46	4 21	22 14	2 53	4 2	1 33	1 32	2 6	18 2	1 3	15 1	2 29	14 52	0 45	22 15
S 19	13 0	8 49	3 40	22 23	2 52	4 31	1 32	1 29	2 2	18 1	1 3	14 59	2 29	14 52	0 45	22 15
S 20	13 20	13 27	2 50	22 30	2 50	5 1	1 32	1 26	1 57	18 0	1 3	14 58	2 29	14 52	0 45	22 15
M21	13 40	17 32	1 52	22 34	2 47	5 30	1 31	1 23	1 53	17 59	1 3	14 57	2 29	14 52	0 45	22 15
T 22	14 0	20 53	0 50	22 36	2 42	5 59	1 31	1 19	1 49	17 57	1 3	14 55	2 29	14 52	0 45	22 14
W23	14 20	23 21	0n14	22 35	2 37	6 28	1 30	1 15	1 45	17 56	1 3	14 54	2 29	14 52	0 45	22 14
T 24	14 39	24 47	1 17	22 31	2 30	6 57	1 29	1 11	1 41	17 54	1 2	14 53	2 29	14 52	0 45	22 14
F 25	14 58	25 7	2 18	22 24	2 22	7 26	1 28	1 7	1 37	17 53	1 2	14 51	2 29	14 52	0 45	22 14
S 26	15 17	24 17	3 13	22 13	2 13	7 54	1 28	1 2	1 34	17 51	1 2	14 50	2 29	14 52	0 45	22 14
S 27	15 35	22 18	4 1	21 59	2 1	8 23	1 27	0 57	1 30	17 50	1 2	14 49	2 29	14 52	0 45	22 14
M28	15 54	19 13	4 38	21 41	1 48	8 51	1 26	0 52	1 26	17 48	1 2	14 47	2 29	14 52	0 45	22 14
T 29	16 12	15 9	5 3	21 19	1 34	9 19	1 25	0 46	1 22	17 46	1 2	14 46	2 29	14 52	0 45	22 14
W30	16 30	10 14	5 13	20 53	1 18	9 47	1 23	0 41	1 19	17 45	1 2	14 45	2 29	14 52	0 45	22 14
T 31	16s47	4n39	5n 5	20s23	1s 0	10s15	1n22	0s35	1s15	17s43	1s 2	14n44	2s29	14s51	0s45	22s14

Julian Day Number = 2268840.5, Delta T = 292.18 sec

Ecliptic obliquity = 23°30'18", Nutation = - 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'38", Lahiri = 16°52'38" Julian Calendar 1 Oct. 1499 == Greg. Calendar 10 Oct. 1499

ASTRODIENST EPHEMERIS for the year 1499
geocentric

NOVEMBER 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 15 15	17 ¹¹ 24'38	14 ¹¹ 18	25°R20	1 ¹¹ 19	1 ¹¹ 33	13 ¹¹ 54	17°R27	22 ¹¹ 11	12 ¹¹ 48	22 ¹¹ 27	17°R10	18 ¹¹ 20	12 ¹¹ 39	18°R 4	F 1
S 2	3 19 12	18°25'12	28°57	24 ¹¹ 8	2°35	1°41	14° 0	17 ¹¹ 22	22°12	12°49	22°30	17 ¹¹ 6	18°17	12°45	18 ¹¹ 1	S 2
S 3	3 23 8	19°25'48	13 ¹¹ 55	22°51	3°50	1°50	14° 7	17°17	22°12	12°51	22°32	17° 2	18°14	12°52	17°58	S 3
M 4	3 27 5	20°26'25	29° 2	21°31	5° 5	2° 0	14°13	17°12	22°13	12°52	22°34	17° 0	18°11	12°59	17°54	M 4
T 5	3 31 2	21°27'04	14 ¹¹ 9	20° 9	6°20	2°10	14°20	17° 7	22°14	12°54	22°37	16°D59	18° 8	13° 5	17°51	T 5
W 6	3 34 58	22°27'45	29° 8	18°49	7°36	2°21	14°27	17° 2	22°14	12°55	22°39	16°59	18° 5	13°12	17°48	W 6
T 7	3 38 55	23°28'26	13 ¹¹ 51	17°34	8°51	2°32	14°34	16°57	22°15	12°57	22°42	17° 0	18° 1	13°19	17°45	T 7
F 8	3 42 51	24°29'09	28°12	16°26	10° 6	2°44	14°41	16°53	22°16	12°59	22°44	17° 2	17°58	13°25	17°41	F 8
S 9	3 46 48	25°29'53	12 ¹¹ 11	15°27	11°22	2°57	14°49	16°48	22°17	13° 0	22°46	17° 3	17°55	13°32	17°38	S 9
S 10	3 50 44	26°30'38	25°46	14°38	12°37	3°10	14°56	16°43	22°17	13° 2	22°49	17°R 4	17°52	13°38	17°34	S 10
M 11	3 54 41	27°31'23	8 ¹¹ 59	14° 1	13°53	3°24	15° 4	16°38	22°18	13° 4	22°51	17° 3	17°49	13°45	17°31	M 11
T 12	3 58 37	28°32'10	21°53	13°35	15° 8	3°39	15°12	16°33	22°19	13° 6	22°54	17° 2	17°46	13°52	17°27	T 12
W 13	4 2 34	29°32'58	4 ¹¹ 29	13°20	16°23	3°54	15°20	16°29	22°20	13° 7	22°56	17° 0	17°42	13°58	17°24	W 13
T 14	4 6 31	0 ¹¹ 33'46	16°52	13°D17	17°39	4°10	15°28	16°24	22°21	13° 9	22°58	16°57	17°39	14° 5	17°20	T 14
F 15	4 10 27	1°34'36	29° 4	13°24	18°54	4°26	15°36	16°19	22°23	13°11	23° 1	16°55	17°36	14°12	17°17	F 15
S 16	4 14 24	2°35'27	11 ¹¹ 8	13°41	20°10	4°43	15°44	16°15	22°24	13°13	23° 3	16°52	17°33	14°18	17°13	S 16
S 17	4 18 20	3°36'18	23° 2	14° 7	21°25	5° 0	15°53	16°10	22°25	13°14	23° 6	16°51	17°30	14°25	17° 9	S 17
M 18	4 22 17	4°37'11	4 ¹¹ 52	14°41	22°40	5°18	16° 2	16° 6	22°26	13°16	23° 8	16°50	17°26	14°32	17° 6	M 18
T 19	4 26 13	5°38'05	16°40	15°22	23°56	5°36	16°10	16° 1	22°27	13°18	23°10	16°D49	17°23	14°38	17° 2	T 19
W 20	4 30 10	6°39'00	28°28	16° 9	25°11	5°55	16°19	15°57	22°29	13°20	23°13	16°49	17°20	14°45	16°58	W 20
T 21	4 34 7	7°39'57	10 ¹¹ 51	17° 3	26°27	6°14	16°29	15°52	22°30	13°22	23°15	16°50	17°17	14°52	16°55	T 21
F 22	4 38 3	8°40'54	22°11	18° 1	27°42	6°34	16°38	15°48	22°32	13°24	23°17	16°51	17°14	14°58	16°51	F 22
S 23	4 42 0	9°41'53	4 ¹¹ 12	19° 3	28°58	6°54	16°47	15°44	22°33	13°26	23°20	16°52	17°11	15° 5	16°47	S 23
S 24	4 45 56	10°42'52	16°25	20° 9	0 ¹¹ 13	7°15	16°57	15°40	22°35	13°28	23°22	16°53	17° 7	15°11	16°43	S 24
M 25	4 49 53	11°43'53	28°53	21°19	1°29	7°36	17° 6	15°35	22°36	13°30	23°24	16°53	17° 4	15°18	16°40	M 25
T 26	4 53 49	12°44'54	11 ¹¹ 41	22°31	2°44	7°57	17°16	15°31	22°38	13°32	23°26	16°R53	17° 1	15°25	16°36	T 26
W 27	4 57 46	13°45'57	24°51	23°46	4° 0	8°19	17°26	15°27	22°40	13°34	23°29	16°53	16°58	15°31	16°32	W 27
T 28	5 1 42	14°47'01	8 ¹¹ 27	25° 3	5°15	8°41	17°36	15°23	22°41	13°36	23°31	16°53	16°55	15°38	16°28	T 28
F 29	5 5 39	15°48'06	22°29	26°21	6°31	9° 4	17°46	15°19	22°43	13°38	23°33	16°53	16°51	15°45	16°24	F 29
S 30	5 9 36	16 ¹¹ 49'12	6 ¹¹ 58	27 ¹¹ 42	7 ¹¹ 46	9 ¹¹ 27	17 ¹¹ 56	15 ¹¹ 16	22 ¹¹ 45	13 ¹¹ 40	23 ¹¹ 36	16°D53	16 ¹¹ 48	15 ¹¹ 51	16 ¹¹ 20	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	17s 4	1s22	4n39	19s49	0s42	10s42	1n21	0s29	1s12	17s41	1s 1	14n42	2s29	14s51	0s45	22s13
S 2	17 21	7 29	3 54	19 13	0 22	11 9	1 20	0 22	1 8	17 39	1 1	14 41	2 29	14 51	0 45	22 13
S 3	17 38	13 19	2 52	18 33	0 1	11 36	1 18	0 16	1 5	17 37	1 1	14 40	2 29	14 51	0 44	22 13
M 4	17 54	18 25	1 37	17 53	0n19	12 3	1 17	0 9	1 2	17 35	1 1	14 38	2 29	14 51	0 44	22 13
T 5	18 10	22 18	0 16	17 12	0 40	12 29	1 15	0 2	0 58	17 33	1 1	14 37	2 29	14 50	0 44	22 13
W 6	18 26	24 37	1s 7	16 31	0 59	12 55	1 14	0n 5	0 55	17 31	1 1	14 36	2 29	14 50	0 44	22 13
T 7	18 42	25 9	2 23	15 53	1 18	13 21	1 12	0 13	0 52	17 29	1 1	14 34	2 28	14 50	0 44	22 13
F 8	18 57	23 58	3 28	15 18	1 34	13 46	1 11	0 21	0 49	17 26	1 1	14 33	2 28	14 50	0 44	22 13
S 9	19 11	21 20	4 19	14 46	1 49	14 11	1 9	0 28	0 46	17 24	1 1	14 32	2 28	14 49	0 44	22 12
S 10	19 26	17 35	4 54	14 20	2 2	14 36	1 7	0 36	0 43	17 22	1 0	14 31	2 28	14 49	0 44	22 12
M 11	19 40	13 3	5 13	13 59	2 13	15 0	1 6	0 45	0 40	17 19	1 0	14 29	2 28	14 49	0 44	22 12
T 12	19 53	8 3	5 15	13 43	2 21	15 24	1 4	0 53	0 37	17 17	1 0	14 28	2 28	14 48	0 44	22 12
W 13	20 7	2 49	5 1	13 32	2 28	15 48	1 2	1 2	0 34	17 15	1 0	14 27	2 28	14 48	0 44	22 12
T 14	20 19	2n26	4 34	13 27	2 32	16 11	1 0	1 10	0 32	17 12	1 0	14 26	2 28	14 48	0 44	22 12
F 15	20 32	7 31	3 55	13 26	2 35	16 34	0 58	1 19	0 29	17 9	1 0	14 24	2 28	14 47	0 44	22 12
S 16	20 44	12 16	3 5	13 30	2 37	16 56	0 56	1 28	0 26	17 7	1 0	14 23	2 27	14 47	0 44	22 11
S 17	20 56	16 31	2 8	13 37	2 37	17 18	0 54	1 38	0 24	17 4	1 0	14 22	2 27	14 46	0 44	22 11
M 18	21 7	20 5	1 6	13 49	2 35	17 39	0 52	1 47	0 21	17 1	1 0	14 21	2 27	14 46	0 44	22 11
T 19	21 18	22 49	0 1	14 3	2 33	18 0	0 50	1 57	0 19	16 59	1 0	14 20	2 27	14 45	0 44	22 11
W 20	21 29	24 34	1n 4	14 20	2 30	18 20	0 48	2 6	0 16	16 56	0 59	14 19	2 27	14 45	0 44	22 11
T 21	21 39	25 13	2 7	14 38	2 26	18 40	0 46	2 16	0 14	16 53	0 59	14 18	2 27	14 44	0 44	22 11
F 22	21 49	24 42	3 4	14 59	2 21	19 0	0 44	2 26	0 12	16 50	0 59	14 17	2 27	14 44	0 44	22 10
S 23	21 58	23 3	3 54	15 21	2 16	19 19	0 41	2 36	0 10	16 47	0 59	14 15	2 26	14 43	0 44	22 10
S 24	22 7	20 19	4 34	15 45	2 10	19 37	0 39	2 46	0 7	16 44	0 59	14 14	2 26	14 43	0 44	22 10
M 25	22 15	16 37	5 3	16 9	2 4	19 55	0 37	2 57	0 5	16 41	0 59	14 13	2 26	14 42	0 44	22 10
T 26	22 23	12 5	5 17	16 34	1 57	20 12	0 35	3 7	0 3	16 38	0 59	14 12	2 26	14 42	0 44	22 10
W 27	22 31	6 52	5 15	16 59	1 50	20 29	0 32	3 18	0 1	16 35	0 59	14 11	2 26	14 41	0 44	22 10
T 28	22 38	1 11	4 56	17 25	1 43	20 45	0 30	3 38	0n 1	16 32	0 59	14 11	2 25	14 41	0 44	22 9
F 29	22 45	4s46	4 19	17 50	1 36	21 0	0 28	3 39	0 3	16 29	0 59	14 10	2 25	14 40	0 44	22 9
S 30	22s51	10s39	3n24	18s16	1n28	21s15	0n25	3n50	0n 5	16s26	0s59	14n 9	2s25	14s39	0s44	22s 9

Julian Day Number = 2268871.5, Delta T = 292.00 sec

Ecliptic obliquity = 23°30'17, Nutation = - 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'42, Lahiri = 16°52'43 Julian Calendar 1 Nov. 1499 == Greg. Calendar 10 Nov. 1499

ASTRODIENST EPHEMERIS for the year 1499

geocentric

DECEMBER 1499 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 13 32	17°50'18	21°49	29°4	9°2	9°50	18°7	15°R12	22°47	13°42	23°38	16°II53	16°II45	15°II58	16°R17	S 1
M 2	5 17 29	18°51'26	6°55	0°27	10°17	10°14	18°17	15°8	22°49	13°44	23°40	16°53	16°42	16°5	16°II13	M 2
T 3	5 21 25	19°52'34	22°9	1°51	11°33	10°38	18°28	15°5	22°51	13°46	23°42	16°R53	16°39	16°11	16°9	T 3
W 4	5 25 22	20°53'43	7°321	3°16	12°48	11°2	18°38	15°1	22°53	13°49	23°44	16°53	16°36	16°18	16°5	W 4
T 5	5 29 18	21°54'52	22°20	4°41	14°4	11°27	18°49	14°58	22°55	13°51	23°47	16°52	16°32	16°25	16°1	T 5
F 6	5 33 15	22°56'02	6°59	6°8	15°19	11°52	19°0	14°54	22°57	13°53	23°49	16°52	16°29	16°31	15°58	F 6
S 7	5 37 11	23°57'11	21°13	7°35	16°35	12°17	19°11	14°51	22°59	13°55	23°51	16°51	16°26	16°38	15°54	S 7
S 8	5 41 8	24°58'21	5°0	9°3	17°50	12°43	19°22	14°48	23°1	13°57	23°53	16°50	16°23	16°45	15°50	S 8
M 9	5 45 5	25°59'31	18°19	10°31	19°6	13°9	19°34	14°45	23°3	13°59	23°55	16°50	16°20	16°51	15°46	M 9
T 10	5 49 1	27°0'41	1°14	12°0	20°21	13°36	19°45	14°42	23°6	14°2	23°57	16°D50	16°17	16°58	15°42	T 10
W 11	5 52 58	28°1'50	13°47	13°30	21°37	14°2	19°56	14°39	23°8	14°4	23°59	16°50	16°13	17°4	15°39	W 11
T 12	5 56 54	29°3'00	26°3	14°59	22°52	14°29	20°8	14°36	23°10	14°6	24°1	16°51	16°10	17°11	15°35	T 12
F 13	6 0 51	0°3'10	8°6	16°30	24°8	14°56	20°19	14°34	23°13	14°8	24°3	16°52	16°7	17°18	15°31	F 13
S 14	6 4 47	1°5'19	20°1	18°0	25°23	15°24	20°31	14°31	23°15	14°10	24°5	16°54	16°4	17°24	15°28	S 14
S 15	6 8 44	2°6'29	1°II50	19°31	26°39	15°51	20°43	14°28	23°17	14°13	24°7	16°55	16°1	17°31	15°24	S 15
M 16	6 12 40	3°7'39	13°37	21°2	27°54	16°19	20°55	14°26	23°20	14°15	24°9	16°R55	15°57	17°38	15°20	M 16
T 17	6 16 37	4°8'48	25°25	22°34	29°10	16°47	21°7	14°24	23°22	14°17	24°11	16°55	15°54	17°44	15°17	T 17
W 18	6 20 34	5°9'58	7°36	24°6	0°25	17°16	21°19	14°22	23°25	14°19	24°13	16°54	15°51	17°51	15°13	W 18
T 19	6 24 30	6°11'08	19°12	25°38	1°41	17°44	21°31	14°19	23°28	14°22	24°15	16°52	15°48	17°58	15°10	T 19
F 20	6 28 27	7°12'17	1°15	27°11	2°56	18°13	21°43	14°18	23°30	14°24	24°17	16°49	15°45	18°4	15°6	F 20
S 21	6 32 23	8°13'27	13°27	28°44	4°12	18°42	21°56	14°16	23°33	14°26	24°19	16°45	15°42	18°11	15°3	S 21
S 22	6 36 20	9°14'36	25°49	0°318	5°27	19°11	22°8	14°14	23°35	14°28	24°21	16°41	15°38	18°18	14°59	S 22
M 23	6 40 16	10°15'46	8°12	1°52	6°43	19°41	22°20	14°12	23°38	14°31	24°23	16°38	15°35	18°24	14°56	M 23
T 24	6 44 13	11°16'56	21°14	3°26	7°58	20°11	22°33	14°11	23°41	14°33	24°25	16°36	15°32	18°31	14°53	T 24
W 25	6 48 9	12°18'05	4°21	5°1	9°14	20°40	22°46	14°9	23°44	14°35	24°26	16°34	15°29	18°37	14°50	W 25
T 26	6 52 6	13°19'15	17°48	6°36	10°29	21°10	22°58	14°8	23°47	14°38	24°28	16°D34	15°26	18°44	14°46	T 26
F 27	6 56 3	14°20'24	1°137	8°11	11°45	21°41	23°11	14°7	23°49	14°40	24°30	16°35	15°23	18°51	14°43	F 27
S 28	6 59 59	15°21'33	15°47	9°47	13°0	22°11	23°24	14°5	23°52	14°42	24°32	16°36	15°19	18°57	14°40	S 28
S 29	7 3 56	16°22'43	0°18	11°24	14°16	22°42	23°37	14°4	23°55	14°44	24°33	16°38	15°16	19°4	14°37	S 29
M 30	7 7 52	17°23'52	15°7	13°1	15°31	23°12	23°50	14°4	23°58	14°47	24°35	16°R38	15°13	19°11	14°34	M 30
T 31	7 11 49	18°25'01	0°38	14°39	16°347	23°43	24°33	14°3	24°58	14°47	24°35	16°II38	15°II10	19°II17	14°II31	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	22s57	16s6	2n15	18s41	1n21	21s29	0n23	4n1	0n7	16s22	0s59	14n8	2s25	14s39	0s44	22s9
M 2	23 2	20 37	0 55	19 6	1 13	21 43	0 21	4 12	0 9	16 19	0 58	14 7	2 25	14 38	0 44	22 9
T 3	23 7	23 46	0s29	19 31	1 6	21 56	0 18	4 23	0 11	16 16	0 58	14 6	2 24	14 37	0 43	22 8
W 4	23 11	25 9	1 51	19 55	0 58	22 8	0 16	4 34	0 12	16 12	0 58	14 5	2 24	14 37	0 43	22 8
T 5	23 15	24 41	3 5	20 19	0 50	22 20	0 13	4 45	0 14	16 9	0 58	14 5	2 24	14 36	0 43	22 8
F 6	23 19	22 31	4 4	20 42	0 43	22 31	0 11	4 57	0 16	16 5	0 58	14 4	2 24	14 35	0 43	22 8
S 7	23 22	18 59	4 47	21 4	0 35	22 41	0 9	5 8	0 18	16 2	0 58	14 3	2 23	14 35	0 43	22 8
S 8	23 25	14 31	5 11	21 25	0 27	22 51	0 6	5 20	0 19	15 58	0 58	14 2	2 23	14 34	0 43	22 7
M 9	23 27	9 30	5 18	21 46	0 20	23 0	0 4	5 32	0 21	15 55	0 58	14 2	2 23	14 33	0 43	22 7
T 10	23 28	4 13	5 8	22 5	0 12	23 8	0 1	5 43	0 22	15 51	0 58	14 1	2 23	14 32	0 43	22 7
W 11	23 29	1n6	4 43	22 24	0 5	23 15	0s1	5 55	0 24	15 47	0 58	14 0	2 22	14 31	0 43	22 7
T 12	23 30	6 16	4 6	22 42	0s2	23 22	0 4	6 7	0 25	15 44	0 58	14 0	2 22	14 31	0 43	22 7
F 13	23 30	11 6	3 19	22 58	0 9	23 28	0 6	6 19	0 27	15 40	0 58	13 59	2 22	14 30	0 43	22 6
S 14	23 30	15 29	2 24	23 14	0 16	23 34	0 8	6 31	0 28	15 36	0 58	13 59	2 22	14 29	0 43	22 6
S 15	23 29	19 14	1 23	23 29	0 23	23 38	0 11	6 43	0 30	15 32	0 58	13 58	2 21	14 28	0 43	22 6
M 16	23 28	22 12	0 18	23 42	0 30	23 42	0 13	6 55	0 31	15 28	0 58	13 58	2 21	14 27	0 43	22 6
T 17	23 26	24 12	0n47	23 54	0 37	23 46	0 15	7 7	0 32	15 24	0 57	13 58	2 21	14 27	0 43	22 5
W 18	23 24	25 8	1 50	24 5	0 43	23 48	0 18	7 19	0 34	15 20	0 57	13 57	2 21	14 26	0 43	22 5
T 19	23 22	24 55	2 49	24 15	0 49	23 50	0 20	7 31	0 35	15 16	0 57	13 57	2 20	14 25	0 43	22 5
F 20	23 18	23 32	3 41	24 34	0 55	23 51	0 22	7 43	0 36	15 12	0 57	13 56	2 20	14 24	0 43	22 5
S 21	23 15	21 2	4 23	24 31	1 1	23 51	0 25	7 56	0 37	15 8	0 57	13 56	2 20	14 23	0 43	22 5
S 22	23 11	17 33	4 54	24 37	1 7	23 51	0 27	8 8	0 39	15 4	0 57	13 56	2 20	14 22	0 43	22 4
M 23	23 6	13 15	5 11	24 42	1 12	23 49	0 29	8 20	0 40	15 0	0 57	13 56	2 19	14 21	0 43	22 4
T 24	23 1	8 17	5 14	24 45	1 18	23 47	0 32	8 32	0 41	14 56	0 57	13 55	2 19	14 20	0 43	22 4
W 25	22 56	2 51	5 0	24 47	1 23	23 45	0 34	8 45	0 42	14 52	0 57	13 55	2 19	14 19	0 43	22 4
T 26	22 50	2s51	4 29	24 48	1 28	23 41	0 36	8 57	0 43	14 48	0 57	13 55	2 18	14 18	0 43	22 3
F 27	22 44	8 35	3 43	24 47	1 32	23 37	0 38	9 9	0 44	14 43	0 57	13 55	2 18	14 17	0 43	22 3
S 28	22 37	14 2	2 41	24 45	1 36	23 32	0 40	9 22	0 45	14 39	0 57	13 55	2 18	14 16	0 43	22 3
S 29	22 30	18 50	1 29	24 41	1 41	23 26	0 42	9 34	0 46	14 35	0 57	13 55	2 18	14 15	0 43	22 3
M 30	22 22	22 32	0 8	24 36	1 44	23 20	0 44	9 46	0 47	14 30	0 57	13 55	2 17	14 14	0 43	22 2
T 31	22s14	24s44	1s13	24s29	1s48	23s13	0s46	9n59	0n48	14s26	0s57	13n55	2s17	14s13	0s43	22s2

Julian Day Number = 2268901.5, Delta T = 291.82 sec

Ecliptic obliquity = 23°30'17", Nutation = - 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°45'46", Lahiri = 16°52'47" Julian Calendar 1 Dec. 1499 == Greg. Calendar 10 Dec. 1499