



Astrodienst Ephemeris Tables for the year 1429

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 1429
geocentric

JANUARY 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 16 33	19°34'01	19°16' 6	4°48' 4	5°27'23	26°17'37	28°48'18	26°27'40	13°17' 5	11°18' 5	4°18'52	7°18'52	8°17'20	10°11'20	1°18'59	S 1
S 2	7 20 30	20°42'08	3°27'42	5°41' 6	6°10'10	26°50'28	28°31'26	26°46'13	13° 6'11	11° 4'48	4°50'50	7°17'47	8°16'16	10°27'27	2° 2' 2	S 2
M 3	7 24 27	21°43'15	18°34'18	7°16'16	6°58'27	27° 2'28	28°44'26	26°53'13	13° 7'11	11° 2'48	4°49'7	7°39'8	8°13'10	10°33'27	2° 5' 5	M 3
T 4	7 28 23	22°44'21	3°33'33	8°50'10	7°46'27	27°14'28	28°57'27	27° 0'13	13° 8'11	11° 1'48	4°48'7	7°28'8	8°10'10	10°40'27	2° 8' 8	T 4
W 5	7 32 20	23°45'26	18°33'10	10°21'8	8°36'27	27°25'29	29°10'27	27° 6'13	13°10'10	10°59'4	4°47'7	7°17'8	8° 7'10	10°47'21	2°11' 5	W 5
T 6	7 36 16	24°46'31	3°23'23	11°50'9	9°26'27	27°36'29	29°23'27	27°13'13	13°11'10	10°57'4	4°46'7	7° 6'8	8° 4'10	10°53'21	2°15' 6	T 6
F 7	7 40 13	25°47'35	17°53'13	13°16'10	10°17'27	27°46'29	29°36'27	27°19'13	13°12'10	10°56'4	4°44'6	6°56'8	8° 1'11	11° 0'2	2°18' 7	F 7
S 8	7 44 9	26°48'38	1°18'57	14°38'11	11° 9'27	27°56'29	29°49'27	27°26'13	13°13'10	10°54'4	4°43'6	6°49'7	7°57'11	11° 7'2	2°21' 8	S 8
S 9	7 48 6	27°49'39	15°34'15	15°56'12	12° 1'28	28° 4'0	0°18'3	27°32'27	13°15'10	10°52'4	4°42'6	6°44'7	7°54'11	11°14'2	2°25' 9	S 9
M10	7 52 2	28°50'40	28°43'17	17° 9'12	12°54'28	28°13'0	0°16'27	27°39'13	13°16'10	10°51'4	4°41'6	6°42'7	7°51'11	11°20'2	2°28'10	M10
T 11	7 55 59	29°51'39	11°17'27	18°16'18	13°48'28	28°20'0	0°30'27	27°45'13	13°17'10	10°49'4	4°40'6	6°42'7	7°48'11	11°27'2	2°31'11	T 11
W12	7 59 56	0°52'37	23°49'19	19°17'14	14°42'28	28°27'0	0°43'27	27°51'13	13°19'10	10°48'4	4°39'6	6°43'7	7°45'11	11°34'2	2°35'12	W12
T 13	8 3 52	1°53'34	5°18'56	20°10'15	15°37'28	28°34'0	0°57'27	27°58'13	13°21'10	10°46'4	4°38'6	6°43'7	7°42'11	11°40'2	2°38'13	T 13
F 14	8 7 49	2°54'30	17°52'20	20°55'16	16°33'28	28°39'1	1°10'28	28° 4'13	13°22'10	10°44'4	4°37'6	6°41'7	7°38'11	11°47'2	2°42'14	F 14
S 15	8 11 45	3°55'24	29°42'21	21°31'17	17°29'28	28°45'1	1°24'28	28°10'13	13°24'10	10°43'4	4°36'6	6°38'7	7°35'11	11°54'2	2°45'15	S 15
S 16	8 15 42	4°56'17	11°11'32	21°57'18	18°26'28	28°49'1	1°38'28	28°16'13	13°25'10	10°41'4	4°34'6	6°32'7	7°32'11	12° 1'2	2°49'16	S 16
M17	8 19 38	5°57'09	23°26'22	22°13'19	19°23'28	28°53'1	1°51'28	28°22'13	13°27'10	10°39'4	4°33'6	6°23'7	7°29'11	12° 7'2	2°52'17	M17
T 18	8 23 35	6°57'59	5°26'22	22°13'21	20°21'28	28°56'2	2° 5'28	28°28'13	13°29'10	10°38'4	4°32'6	6°13'7	7°26'11	12°14'2	2°56'18	T 18
W19	8 27 31	7°58'48	17°35'22	22°13'21	21°19'28	28°58'2	2°19'28	28°34'13	13°31'10	10°36'4	4°31'6	6° 2'7	7°22'11	12°21'3	3° 0'19	W19
T 20	8 31 28	8°59'36	29°55'21	21°56'22	17°56'29	29° 0'2	2°33'28	28°40'13	13°33'10	10°34'4	4°30'6	5°50'7	7°19'11	12°27'3	3° 3'20	T 20
F 21	8 35 25	10° 0'22	12°26'21	22°28'23	17°28'29	29° 0'2	2°47'28	28°46'13	13°34'10	10°32'4	4°29'6	5°40'7	7°16'11	12°34'3	3° 7'21	F 21
S 22	8 39 21	11° 1'07	25° 8'20	20°51'24	16'29	29°R 1	3° 1'28	28°52'13	13°36'10	10°31'4	4°28'6	5°32'7	7°13'11	12°41'3	3°11'22	S 22
S 23	8 43 18	12° 1'51	8°17'2	20° 4'25	16'29	29° 0'3	3°15'28	28°58'13	13°38'10	10°29'4	4°27'6	5°26'7	7°10'11	12°48'3	3°14'23	S 23
M24	8 47 14	13° 2'33	21° 6'19	19° 9'26	16'28	28°59'3	3°29'29	29° 3'13	13°40'10	10°27'4	4°26'6	5°22'7	7° 7'12	12°54'3	3°18'24	M24
T 25	8 51 11	14° 3'14	4°22'18	18° 8'27	16'28	28°57'3	3°43'29	29° 9'13	13°43'10	10°26'4	4°26'6	5°21'7	7° 3'13	13° 1'2	3°22'25	T 25
W26	8 55 7	15° 3'54	17°49'17	2° 2'28	18'28	28°54'3	3°57'29	29°15'13	13°45'10	10°24'4	4°25'6	5°22'7	7° 0'13	13° 8'3	3°25'26	W26
T 27	8 59 4	16° 4'33	1°18'29	15°53'29	20'28	28°50'4	4°11'29	29°20'13	13°47'10	10°22'4	4°24'6	5°23'7	6°57'13	13°14'3	3°29'27	T 27
F 28	9 3 0	17° 5'11	15°22'14	14°43'0	22'28	28°46'4	4°25'29	29°26'13	13°49'10	10°21'4	4°23'6	5°24'7	6°54'13	13°21'3	3°33'28	F 28
S 29	9 6 57	18° 5'48	29°28'13	13°34'1	24'28	28°40'4	4°39'29	29°31'13	13°51'10	10°19'4	4°22'6	5°23'7	6°51'13	13°28'3	3°37'29	S 29
S 30	9 10 54	19° 6'23	13°27'46	12°28'2	26'28	28°35'4	4°54'29	29°37'13	13°53'10	10°17'4	4°21'6	5°21'7	6°48'13	13°35'3	3°41'30	S 30
M31	9 14 50	20° 6'58	28°17'14	11°26'3	29'28	28°17'5	5°18'29	29°42'13	13°56'10	10°16'4	4°20'6	5°17'7	6°44'13	13°41'3	3°44'31	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22s 4	20s45	3s19	20s56	1s41	16s51	4n30	4n 7	3n 1	13s 3	1 s 1	22s32	0n57	4n36	0s38	17n39
S 2	21 55	25 3	4 10	20 27	1 35	16 59	4 29	4 3	3 2	12 59	1 1	22 32	0 57	4 37	0 38	17 40
M 3	21 45	27 45	4 45	19 56	1 28	17 8	4 28	3 59	3 4	12 54	1 1	22 32	0 56	4 37	0 38	17 40
T 4	21 36	28 28	5 0	19 24	1 20	17 17	4 27	3 56	3 5	12 50	1 1	22 32	0 56	4 38	0 38	17 41
W 5	21 25	27 6	4 55	18 51	1 12	17 26	4 25	3 53	3 7	12 45	1 1	22 33	0 56	4 38	0 38	17 41
T 6	21 14	23 50	4 30	18 17	1 2	17 36	4 23	3 50	3 8	12 40	1 1	22 33	0 56	4 39	0 38	17 42
F 7	21 3 19	8 3	4 48	17 43	0 52	17 45	4 22	3 47	3 10	12 36	1 1	22 33	0 56	4 39	0 38	17 42
S 8	20 52	13 30	2 53	17 9	0 41	17 54	4 20	3 45	3 11	12 31	1 1	22 33	0 56	4 40	0 38	17 42
S 9	20 40	7 23	1 50	16 34	0 29	18 3	4 18	3 43	3 13	12 26	1 1	22 33	0 56	4 40	0 37	17 43
M10	20 27	1 9	0 42	15 59	0 16	18 12	4 15	3 41	3 14	12 21	1 0	22 33	0 56	4 41	0 37	17 43
T 11	20 15	4n56	0n25	15 26	0 2	18 21	4 13	3 39	3 16	12 17	1 0	22 34	0 56	4 41	0 37	17 44
W12	20 2 10	40 1	30 14	53 0n13	18 29	4 10	3 38	3 17	12 12	1 0	22 34	0 56	4 42	0 37	17 44	0 10
T 13	19 48	15 53	2 29	14 21	0 28	18 38	4 8	3 36	3 18	12 7	1 0	22 34	0 56	4 43	0 37	17 45
F 14	19 34	20 25	3 21	13 52	0 45	18 46	4 5	3 35	3 20	12 2	1 0	22 34	0 56	4 43	0 37	17 45
S 15	19 20	24 7	4 3	13 24	1 1	18 55	4 2	3 35	3 21	11 57	1 0	22 34	0 56	4 44	0 37	17 46
S 16	19 6	26 47	4 36	13 0	1 18	19 3	3 59	3 34	3 23	11 52	1 0	22 34	0 56	4 45	0 37	17 46
M17	18 51	28 17	4 56	12 38	1 36	19 10	3 56	3 34	3 24	11 47	1 0	22 34	0 56	4 45	0 37	17 47
T 18	18 35	28 27	5 4	12 20	1 53	19 18	3 52	3 34	3 26	11 42	1 0	22 34	0 56	4 46	0 37	17 47
W19	18 20	27 16	4 58	12 6	2 10	19 25	3 49	3 35	3 27	11 37	1 0	22 34	0 56	4 47	0 37	17 48
T 20	18 4	24 45	4 38	11 56	2 27	19 32	3 45	3 35	3 29	11 32	1 0	22 34	0 56	4 48	0 37	17 48
F 21	17 48	21 2	4 4	11 50	2 42	19 39	3 42	3 36	3 30	11 27	1 0	22 34	0 56	4 48	0 37	17 49
S 22	17 31	16 17	3 18	11 48	2 57	19 46	3 38	3 38	3 31	11 22	1 0	22 35	0 56	4 49	0 37	17 49
S 23	17 14	10 46	2 21	11 50	3 10	19 52	3 34	3 39	3 33	11 17	1 0	22 35	0 56	4 50	0 37	17 50
M24	16 57	4 42	1 16	11 57	3 21	19 57	3 30	3 41	3 34	11 12	1 0	22 35	0 56	4 51	0 37	17 50
T 25	16 40	1s39	0 5	12 7	3 30	20 3	3 26	3 43	3 36	11 7	1 0	22 35	0 56	4 52	0 37	17 50
W26	16 22	8 2	1s 7	12 20	3 37	20 8	3 22	3 45	3 37	11 2	1 0	22 35	0 56	4 52	0 37	17 51
T 27	16 4 14	9 2	16 12	36 3	42 20	13 3	18 3	48 3	38 10	56 1	0	22 35	0 56	4 53	0 37	17 51
F 28	15 46	19 39	3 18	12 54	3 44	20 17	3 14	3 51	3 39	10 51	1 0	22 35	0 56	4 54	0 37	17 52
S 29	15 27	24 10	4 10	13 13	3 44	20 21	3 10	3 54	3 41	10 46	1 0	22 35	0 56	4 55	0 37	17 52
S 30	15 9	27 16	4 47	13 34	3 42	20 24	3 6	3 58	3 42	10 41	1 0	22 35	0 56	4 56	0 37	17 53
M31	14s49	28s36	5s 6	13s55	3n37	20s27	3n 1	4n 1	3n43	10s36	1s 0	22s35	0n56	4n57	0s37	17n53

Julian Day Number = 2243000.5, Delta T = 07m06s
Ecliptic obliquity = 23°30'57, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°46'28, Lahiri = 15°53'29 Julian Calendar 1 Jan. 1429 == Greg. Calendar 10 Jan. 1429

ASTRODIENST EPHEMERIS for the year 1429

geocentric

FEBRUARY 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 18 47	21 ²⁸ 7'31	12 ³⁸ 47	10°R29	4 ³³ 32	28°R20	5 ¹¹ 22	29 ¹⁷ 47	13 ¹⁷ 58	10°R14	4°R20	5°R10	6 ¹⁷ 41	13 ¹¹ 48	3 ¹¹ 48	T 1
W 2	9 22 43	22° 8'02	27°19	9 ²⁸ 38	5°36	28 ¹⁷ 12	5°36	29°53	14° 1	10 ¹² 12	4 ³¹ 19	5 ¹⁷ 3	6°38	13°55	3°52	W 2
T 3	9 26 40	23° 8'33	11 ²⁸ 44	8°54	6°40	28° 3	5°51	29°58	14° 3	10°11	4°18	4°56	6°35	14° 1	3°56	T 3
F 4	9 30 36	24° 9'01	25°56	8°17	7°43	27°53	6° 5	0 ³³ 3	14° 5	10° 9	4°17	4°50	6°32	14° 8	4° 0	F 4
S 5	9 34 33	25° 9'28	9 ¹¹ 48	7°48	8°48	27°42	6°20	0° 8	14° 8	10° 7	4°16	4°45	6°28	14°15	4° 4	S 5
S 6	9 38 29	26° 9'53	23°19	7°26	9°52	27°31	6°34	0°13	14°10	10° 6	4°16	4°43	6°25	14°22	4° 7	S 6
M 7	9 42 26	27°10'16	6 ¹⁷ 27	7°12	10°57	27°18	6°48	0°18	14°13	10° 4	4°15	4°D42	6°22	14°28	4°11	M 7
T 8	9 46 23	28°10'37	19°12	7° 4	12° 2	27° 5	7° 3	0°22	14°16	10° 3	4°14	4°43	6°19	14°35	4°15	T 8
W 9	9 50 19	29°10'56	1 ³⁸ 38	7°D 4	13° 7	26°52	7°17	0°27	14°18	10° 1	4°14	4°45	6°16	14°42	4°19	W 9
T 10	9 54 16	0 ¹¹ 11'13	13°49	7°10	14°12	26°37	7°32	0°32	14°21	9°59	4°13	4°47	6°13	14°48	4°23	T 10
F 11	9 58 12	1°11'29	25°48	7°22	15°18	26°22	7°46	0°36	14°24	9°58	4°12	4°R48	6° 9	14°55	4°27	F 11
S 12	10 2 9	2°11'42	7 ¹¹ 41	7°40	16°24	26° 6	8° 0	0°41	14°26	9°56	4°12	4°48	6° 6	15° 2	4°31	S 12
S 13	10 6 5	3°11'53	19°32	8° 3	17°30	25°49	8°15	0°45	14°29	9°55	4°11	4°46	6° 3	15° 8	4°35	S 13
M14	10 10 2	4°12'02	1 ³⁸ 28	8°32	18°36	25°32	8°29	0°50	14°32	9°53	4°11	4°43	6° 0	15°15	4°39	M14
T 15	10 13 58	5°12'09	13°31	9° 5	19°42	25°14	8°44	0°54	14°35	9°52	4°10	4°39	5°57	15°22	4°42	T 15
W16	10 17 55	6°12'14	25°45	9°42	20°49	24°56	8°58	0°58	14°38	9°50	4°10	4°35	5°54	15°29	4°46	W16
T 17	10 21 52	7°12'17	8 ¹¹ 13	10°24	21°55	24°37	9°13	1° 2	14°40	9°49	4° 9	4°30	5°50	15°35	4°50	T 17
F 18	10 25 48	8°12'18	20°56	11° 9	23° 2	24°18	9°27	1° 7	14°43	9°47	4° 9	4°25	5°47	15°42	4°54	F 18
S 19	10 29 45	9°12'16	3 ¹⁷ 56	11°58	24° 9	23°57	9°42	1°10	14°46	9°46	4° 8	4°22	5°44	15°49	4°58	S 19
S 20	10 33 41	10°12'13	17°10	12°50	25°16	23°37	9°56	1°14	14°49	9°45	4° 8	4°20	5°41	15°56	5° 2	S 20
M21	10 37 38	11°12'08	0 ¹¹ 39	13°46	26°24	23°16	10°11	1°18	14°52	9°43	4° 8	4°D19	5°38	16° 2	5° 6	M21
T 22	10 41 34	12°12'01	14°21	14°44	27°31	22°54	10°25	1°22	14°55	9°42	4° 7	4°19	5°34	16° 9	5°10	T 22
W23	10 45 31	13°11'52	28°12	15°45	28°39	22°33	10°40	1°26	14°58	9°40	4° 7	4°20	5°31	16°16	5°13	W23
T 24	10 49 27	14°11'41	12 ¹¹ 12	16°48	29°47	22°10	10°54	1°29	15° 1	9°39	4° 6	4°21	5°28	16°22	5°17	T 24
F 25	10 53 24	15°11'29	26°18	17°54	0 ¹¹ 55	21°48	11° 9	1°33	15° 4	9°38	4° 6	4°23	5°25	16°29	5°21	F 25
S 26	10 57 21	16°11'15	10 ¹⁷ 28	19° 2	2° 3	21°25	11°23	1°36	15° 7	9°37	4° 6	4°R23	5°22	16°36	5°25	S 26
S 27	11 1 17	17°11'00	24°40	20°12	3°11	21° 2	11°38	1°39	15°11	9°35	4° 6	4°23	5°19	16°43	5°29	S 27
M28	11 5 14	18 ¹¹ 10'42	8 ³⁸ 52	21 ²⁸ 25	4 ²⁸ 19	20 ¹⁷ 39	11 ¹¹ 52	1 ³⁸ 43	15 ¹⁷ 14	9 ¹² 34	4 ³⁸ 5	4 ¹⁷ 22	5 ¹⁷ 15	16 ¹¹ 49	5 ¹¹ 33	M28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	♂	♂	♂
T 1	14s30	27s58	5s 5	14s17	3n31	20s29	2n57	4n 5	3n44	10s30	1s 0	22s35	0n56	4n58	0s37	17n54	0n10	21n 9	2s17	2n 3	2n40	27n14	5s25	5n 4
W 2	14 11	25 25	4 45	14 38	3 23	20 31	2 53	4 10	3 45	10 25	1 0	22 35	0 56	4 59	0 37	17 54	0 10	21 10	2 17	2 1	2 39	27 15	5 24	5 4
T 3	13 51	21 17	4 7	14 58	3 14	20 33	2 48	4 14	3 46	10 20	1 0	22 35	0 56	5 0	0 37	17 55	0 10	21 10	2 17	1 58	2 37	27 16	5 23	5 4
F 4	13 31	15 58	3 14	15 18	3 4	20 34	2 44	4 19	3 47	10 14	1 0	22 35	0 56	5 1	0 37	17 55	0 10	21 10	2 17	1 56	2 36	27 18	5 21	5 4
S 5	13 11	9 56	2 11	15 36	2 52	20 35	2 39	4 25	3 48	10 9	1 0	22 35	0 56	5 2	0 37	17 56	0 10	21 10	2 17	1 54	2 35	27 19	5 20	5 4
S 6	12 50	3 36	1 1	15 53	2 40	20 35	2 34	4 30	3 49	10 4	1 0	22 35	0 56	5 3	0 37	17 56	0 10	21 10	2 17	1 53	2 33	27 20	5 19	5 4
M 7	12 30	2n43	0n 9	16 9	2 28	20 34	2 30	4 36	3 50	9 58	1 0	22 35	0 56	5 4	0 37	17 56	0 10	21 10	2 17	1 53	2 32	27 21	5 17	5 4
T 8	12 9	8 45	1 18	16 24	2 15	20 33	2 25	4 42	3 51	9 53	1 0	22 35	0 56	5 5	0 37	17 57	0 10	21 10	2 17	1 53	2 31	27 22	5 16	5 4
W 9	11 48	14 17	2 21	16 36	2 2	20 32	2 21	4 48	3 52	9 48	1 0	22 35	0 56	5 6	0 37	17 57	0 10	21 10	2 17	1 54	2 30	27 23	5 15	5 3
T 10	11 27	19 10	3 17	16 48	1 48	20 30	2 16	4 54	3 53	9 42	1 0	22 35	0 56	5 7	0 36	17 58	0 10	21 11	2 16	1 54	2 28	27 24	5 13	5 3
F 11	11 5	23 12	4 3	16 57	1 35	20 28	2 11	5 1	3 53	9 37	1 0	22 35	0 56	5 8	0 36	17 58	0 10	21 11	2 16	1 55	2 27	27 26	5 12	5 3
S 12	10 44	26 14	4 38	17 5	1 22	20 25	2 7	5 8	3 54	9 32	1 0	22 35	0 56	5 9	0 36	17 59	0 10	21 11	2 16	1 55	2 26	27 27	5 11	5 3
S 13	10 22	28 7	5 1	17 12	1 9	20 21	2 2	5 15	3 54	9 26	1 0	22 35	0 56	5 10	0 36	17 59	0 10	21 11	2 16	1 54	2 25	27 28	5 9	5 3
M14	10 0	28 42	5 12	17 17	0 57	20 17	1 57	5 22	3 55	9 21	1 0	22 35	0 56	5 11	0 36	17 59	0 10	21 11	2 16	1 53	2 23	27 29	5 8	5 3
T 15	9 38	27 57	5 9	17 20	0 44	20 13	1 52	5 29	3 55	9 15	1 0	22 35	0 56	5 12	0 36	18 0	0 10	21 11	2 16	1 51	2 22	27 30	5 7	5 3
W16	9 16	25 50	4 51	17 22	0 32	20 8	1 48	5 37	3 55	9 10	1 0	22 35	0 56	5 13	0 36	18 0	0 10	21 11	2 16	1 49	2 21	27 31	5 5	5 3
T 17	8 54	22 27	4 20	17 22	0 20	20 2	1 43	5 45	3 56	9 4	1 0	22 35	0 56	5 15	0 36	18 1	0 10	21 11	2 16	1 48	2 20	27 32	5 4	5 3
F 18	8 31	17 58	3 36	17 21	0 9	19 56	1 38	5 53	3 56	8 59	1 1	22 34	0 56	5 16	0 36	18 1	0 10	21 12	2 16	1 46	2 18	27 33	5 3	5 3
S 19	8 9	12 34	2 39	17 18	0s 2	19 49	1 34	6 1	3 56	8 53	1 1	22 34	0 56	5 17	0 36	18 1	0 10	21 12	2 15	1 44	2 17	27 34	5 1	5 3
S 20	7 46	6 30	1 33	17 13	0 13	19 42	1 29	6 9	3 56	8 48	1 1	22 34	0 56	5 18	0 36	18 2	0 10	21 12	2 15	1 44	2 16	27 35	5 0	5 3
M21	7 23	0 3	0 20	17 7	0 23	19 34	1 24	6 17	3 56	8 43	1 1	22 34	0 56	5 19	0 36	18 2	0 10	21 12	2 15	1 43	2 15	27 36	4 58	5 3
T 22	7 0	6s31	0s55	17 0	0 33	19 25	1 19	6 25	3 55	8 37	1 1	22 34	0 56	5 20	0 36	18 3	0 10	21 12	2 15	1 43	2 13	27 37	4 57	5 3
W23	6 37	12 51	2 8	16 51	0 43	19 17	1 15	6 34	3 55	8 32	1 1	22 34	0 56	5 22	0 36	18 3	0 10	21 12	2 15	1 44	2 12	27 38	4 56	5 3
T 24	6 14	18 37	3 14	16 40	0 52	19 7	1 10	6 42	3 55	8 26	1 1	22 34	0 56	5 23	0 36	18 3	0 10	21 12	2 15	1 44	2 11	27 39	4 54	5 3
F 25	5 51	23 25	4 8	16 28	1 0	18 57	1 6	6 51	3 54	8 21	1 1	22 34	0 56	5 24	0 36	18 4	0 10	21 12	2 15	1 45	2 9	27 40	4 53	5 3
S 26	5 28	26 51	4 48	16 15	1 9	18 47	1 1	6 59	3 53	8 15	1 1	22 34	0 56	5 25	0 36	18 4	0 10	21 13	2 15	1 45	2 8	27 41	4 51	5 3
S 27	5 5	28 35	5 11	16 0	1 16	18 36	0 56	7 8	3 53	8 10	1 1	22 34	0 56	5 26	0 36	18 4	0 10	21 13	2 15	1 45	2 7	27 42	4 50	5 3
M28	4s41	28s27	5s14	15s44	1s24	18s24	0n52	7n16	3n52	8s 4	1s 1	22s34	0n56	5n28	0s36	18n 5	0n10	21n13	2s14	1n45	2n 6	27n43	4s49	5n 3

Julian Day Number = 2243031.5, Delta T = 07m06s

Ecliptic obliquity = 23°30'57, Nutation = - 0°00'00, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°46'33, Lahiri = 15°53'33 Julian Calendar 1 Feb. 1429 == Greg. Calendar 10 Feb. 1429

ASTRODIENST EPHEMERIS for the year 1429

geocentric

MARCH 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	11 9 10	19°10'23	23°31	22°39	5°28	20°15	12°7	1°346	15°17	9°R33	4°R 5	4°R21	5°Y12	16°II56	5°H37	T 1
W 2	11 13 7	20°10'03	7°5	23°55	6°36	19°52	12°21	1°49	15°20	9°R32	4°R 5	4°Y19	5° 9	17° 3	5°40	W 2
T 3	11 17 3	21° 9'40	21° 0	25°13	7°45	19°29	12°36	1°52	15°23	9°30	4° 5	4°17	5° 6	17° 9	5°44	T 3
F 4	11 21 0	22° 9'15	4°44	26°33	8°54	19° 5	12°50	1°55	15°26	9°29	4° 5	4°16	5° 3	17°16	5°48	F 4
S 5	11 24 56	23° 8'48	18°13	27°54	10° 2	18°41	13° 4	1°58	15°30	9°28	4° 5	4°15	5° 0	17°23	5°52	S 5
S 6	11 28 53	24° 8'20	1°Y27	29°17	11°11	18°18	13°19	2° 0	15°33	9°27	4° 4	4°D14	4°56	17°30	5°55	S 6
M 7	11 32 50	25° 7'49	14°23	0°H42	12°20	17°55	13°33	2° 3	15°36	9°26	4° 4	4°14	4°53	17°36	5°59	M 7
T 8	11 36 46	26° 7'16	27° 2	2° 8	13°30	17°32	13°47	2° 5	15°39	9°25	4° 4	4°15	4°50	17°43	6° 3	T 8
W 9	11 40 43	27° 6'41	9°B25	3°36	14°39	17° 9	14° 2	2° 8	15°43	9°24	4°D 4	4°16	4°47	17°50	6° 7	W 9
T 10	11 44 39	28° 6'03	21°36	5° 5	15°48	16°46	14°16	2°10	15°46	9°23	4° 4	4°16	4°44	17°56	6°10	T 10
F 11	11 48 36	29° 5'24	3°II36	6°35	16°58	16°24	14°30	2°12	15°49	9°22	4° 4	4°17	4°40	18° 3	6°14	F 11
S 12	11 52 32	0°Y 4'42	15°30	8° 7	18° 7	16° 2	14°45	2°15	15°53	9°21	4° 4	4°17	4°37	18°10	6°18	S 12
S 13	11 56 29	1° 3'58	27°23	9°41	19°17	15°41	14°59	2°17	15°56	9°20	4° 5	4°R18	4°34	18°17	6°21	S 13
M14	12 0 25	2° 3'11	9°B18	11°16	20°26	15°19	15°13	2°19	15°59	9°19	4° 5	4°18	4°31	18°23	6°25	M14
T 15	12 4 22	3° 2'22	21°21	12°52	21°36	14°59	15°27	2°21	16° 3	9°18	4° 5	4°18	4°28	18°30	6°28	T 15
W16	12 8 19	4° 1'31	3°D36	14°30	22°46	14°39	15°41	2°22	16° 6	9°17	4° 5	4°D17	4°25	18°37	6°32	W16
T 17	12 12 15	5° 0'37	16° 7	16° 9	23°56	14°19	15°55	2°24	16°10	9°17	4° 5	4°17	4°21	18°43	6°35	T 17
F 18	12 16 12	5°59'42	28°57	17°50	25° 6	14° 0	16° 9	2°26	16°13	9°16	4° 5	4°18	4°18	18°50	6°39	F 18
S 19	12 20 8	6°58'43	12°H 7	19°32	26°16	13°42	16°24	2°27	16°16	9°15	4° 5	4°18	4°15	18°57	6°42	S 19
S 20	12 24 5	7°57'43	25°38	21°15	27°26	13°24	16°38	2°28	16°20	9°14	4° 6	4°18	4°12	19° 4	6°46	S 20
M21	12 28 1	8°56'40	9°B29	23° 0	28°36	13° 6	16°51	2°30	16°23	9°14	4° 6	4°R18	4° 9	19°10	6°49	M21
T 22	12 31 58	9°55'36	23°37	24°47	29°46	12°50	17° 5	2°31	16°27	9°13	4° 6	4°18	4° 5	19°17	6°53	T 22
W23	12 35 54	10°54'29	7°H58	26°35	0°H56	12°34	17°19	2°32	16°30	9°12	4° 7	4°17	4° 2	19°24	6°56	W23
T 24	12 39 51	11°53'21	28°25	28°24	2° 7	12°19	17°33	2°33	16°33	9°12	4° 7	4°16	3°59	19°30	6°59	T 24
F 25	12 43 47	12°52'11	6°J55	0°Y15	3°17	12° 4	17°47	2°34	16°37	9°11	4° 7	4°16	3°56	19°37	7° 3	F 25
S 26	12 47 44	13°50'59	21°22	2° 7	4°28	11°51	18° 1	2°35	16°40	9°11	4° 8	4°15	3°53	19°44	7° 6	S 26
S 27	12 51 41	14°49'46	5°B41	4° 1	5°38	11°38	18°14	2°36	16°44	9°10	4° 8	4°14	3°50	19°51	7° 9	S 27
M28	12 55 37	15°48'30	19°50	5°57	6°49	11°25	18°28	2°36	16°47	9°10	4° 9	4°D14	3°46	19°57	7°13	M28
T 29	12 59 34	16°47'13	3°B47	7°54	7°59	11°14	18°42	2°37	16°51	9° 9	4° 9	4°14	3°43	20° 4	7°16	T 29
W30	13 3 30	17°45'55	17°31	9°52	9°10	11° 3	18°55	2°37	16°54	9° 9	4° 9	4°15	3°40	20°11	7°19	W30
T 31	13 7 27	18°Y44'34	1°H 2	11°Y52	10°H21	10°H53	19°H 9	2°B37	16°Y58	9°R 8	4°B10	4°Y16	3°Y37	20°II17	7°H22	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	4s18	26s27	4s59	15s26	1s31	18s12	0n47	7n24	3n51	7s59	1s 1	22s34	0n56	5n29	0s36	18n 5
W 2	3 54	22 50	4 26	15 7	1 37	17 59	0 43	7 33	3 50	7 53	1 1	22 34	0 56	5 30	0 36	18 5
T 3	3 31	17 58	3 37	14 47	1 44	17 46	0 38	7 41	3 49	7 48	1 1	22 34	0 56	5 31	0 36	18 6
F 4	3 7	12 13	2 36	14 25	1 49	17 33	0 34	7 49	3 48	7 42	1 1	22 34	0 56	5 33	0 36	18 6
S 5	2 44	6 1	1 27	14 2	1 54	17 19	0 30	7 57	3 46	7 37	1 1	22 34	0 56	5 34	0 36	18 6
S 6	2 20	0n20	0 15	13 37	1 59	17 4	0 25	8 5	3 45	7 31	1 1	22 34	0 56	5 35	0 36	18 7
M 7	1 56	6 33	0n56	13 11	2 4	16 49	0 21	8 13	3 44	7 26	1 1	22 34	0 56	5 36	0 36	18 7
T 8	1 33	12 21	2 3	12 44	2 7	16 33	0 17	8 21	3 42	7 20	1 2	22 33	0 57	5 38	0 36	18 7
W 9	1 9	17 34	3 3	12 15	2 11	16 17	0 13	8 28	3 40	7 15	1 2	22 33	0 57	5 39	0 36	18 8
T 10	0 45	21 58	3 53	11 45	2 14	16 1	0 9	8 36	3 39	7 9	1 2	22 33	0 57	5 40	0 36	18 8
F 11	0 22	25 24	4 33	11 14	2 16	15 44	0 5	8 43	3 37	7 4	1 2	22 33	0 57	5 42	0 36	18 8
S 12	0n 2	27 42	5 0	10 41	2 19	15 26	0 1	8 49	3 35	6 59	1 2	22 33	0 57	5 43	0 36	18 8
S 13	0 26	28 44	5 15	10 8	2 20	15 8	0s 3	8 56	3 33	6 53	1 2	22 33	0 57	5 44	0 36	18 9
M14	0 49	28 26	5 16	9 33	2 21	14 50	0 7	9 2	3 31	6 48	1 2	22 33	0 57	5 46	0 36	18 9
T 15	1 13	26 48	5 3	8 56	2 22	14 31	0 11	9 9	3 29	6 42	1 2	22 33	0 57	5 47	0 36	18 9
W16	1 36	23 53	4 37	8 18	2 22	14 12	0 15	9 14	3 27	6 37	1 2	22 33	0 57	5 48	0 36	18 9
T 17	2 0	19 49	3 56	7 40	2 22	13 53	0 19	9 20	3 25	6 31	1 2	22 33	0 57	5 49	0 36	18 9
F 18	2 23	14 45	3 4	6 59	2 21	13 33	0 22	9 25	3 22	6 26	1 2	22 33	0 57	5 51	0 36	18 10
S 19	2 47	8 53	2 0	6 18	2 20	13 12	0 26	9 30	3 20	6 21	1 2	22 33	0 57	5 52	0 36	18 10
S 20	3 10	2 28	0 48	5 36	2 18	12 52	0 29	9 35	3 18	6 15	1 3	22 33	0 57	5 53	0 36	18 10
M21	3 33	4s13	0s29	4 52	2 16	12 31	0 33	9 40	3 15	6 10	1 3	22 33	0 57	5 55	0 36	18 10
T 22	3 57	10 50	1 45	4 7	2 13	12 9	0 36	9 44	3 13	6 5	1 3	22 33	0 57	5 56	0 36	18 10
W23	4 20	16 59	2 56	3 21	2 10	11 47	0 39	9 48	3 10	5 59	1 3	22 33	0 57	5 57	0 36	18 11
T 24	4 43	22 14	3 56	2 34	2 6	11 25	0 43	9 51	3 8	5 54	1 3	22 33	0 57	5 59	0 36	18 11
F 25	5 6	26 9	4 41	1 46	2 2	11 3	0 46	9 54	3 5	5 49	1 3	22 33	0 57	6 0	0 36	18 11
S 26	5 29	28 22	5 8	0 56	1 57	10 40	0 49	9 57	3 3	5 43	1 3	22 33	0 57	6 1	0 36	18 11
S 27	5 52	28 40	5 16	0 6	1 52	10 17	0 52	10 0	3 0	5 38	1 3	22 33	0 57	6 3	0 36	18 11
M28	6 14	27 4	5 5	0n45	1 46	9 53	0 55	10 2	2 57	5 33	1 3	22 33	0 57	6 4	0 36	18 11
T 29	6 37	23 49	4 35	1 37	1 39	9 30	0 58	10 4	2 55	5 28	1 3	22 32	0 57	6 5	0 36	18 12
W30	7 0	19 17	3 51	2 30	1 33	9 6	1 1	10 6	2 52	5 22	1 4	22 32	0 57	6 7	0 36	18 12
T 31	7n22	13s51	2s54	3n24	1s25	8s41	1s 3	10n 7	2n49	5s17	1s 4	22s32	0n57	6n 8	0s36	18n12

Julian Day Number = 2243059.5, Delta T = 07m06s

Ecliptic obliquity = 23°30'58", Nutation = - 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°46'37", Lahiri = 15°53'37" Julian Calendar 1 March 1429 == Greg. Calendar 10 March 1429

ASTRODIENST EPHEMERIS for the year 1429

geocentric

APRIL 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	13 11 23	19°43'12	14°19	13°53	11°32	10°R44	19°22	2°38	17°1	9°R 8	4°10	4°V18	3°V34	20°II24	7°K25	F 1
S 2	13 15 20	20°41'48	27°23	15°56	12°43	10°R35	19°36	2°38	17° 4	9°R 8	4°11	4°18	3°31	20°31	7°28	S 2
S 3	13 19 16	21°40'22	10°V14	18° 0	13°53	10°28	19°49	2°R38	17° 8	9° 7	4°12	4°R18	3°27	20°38	7°31	S 3
M 4	13 23 13	22°38'54	22°52	20° 5	15° 4	10°21	20° 3	2°38	17°11	9° 7	4°12	4°17	3°24	20°44	7°34	M 4
T 5	13 27 10	23°37'24	5°B19	22°11	16°15	10°15	20°16	2°38	17°15	9° 7	4°13	4°16	3°21	20°51	7°37	T 5
W 6	13 31 6	24°35'52	17°34	24°18	17°26	10°10	20°29	2°37	17°18	9° 7	4°13	4°13	3°18	20°58	7°40	W 6
T 7	13 35 3	25°34'19	29°40	26°26	18°37	10° 5	20°42	2°37	17°22	9° 7	4°14	4° 9	3°15	21° 5	7°43	T 7
F 8	13 38 59	26°32'43	11°II38	28°34	19°49	10° 2	20°55	2°36	17°25	9° 7	4°15	4° 6	3°11	21°11	7°46	F 8
S 9	13 42 56	27°31'06	23°32	0°B43	21° 0	9°59	21° 8	2°36	17°28	9° 6	4°15	4° 2	3° 8	21°18	7°49	S 9
S 10	13 46 52	28°29'26	5°B24	2°51	22°11	9°57	21°21	2°35	17°32	9° 6	4°16	4° 0	3° 5	21°25	7°51	S 10
M11	13 50 49	29°27'44	17°18	5° 0	23°22	9°56	21°34	2°34	17°35	9°D 6	4°17	3°58	3° 2	21°31	7°54	M11
T 12	13 54 45	0°B26'00	29°19	7° 8	24°33	9°D55	21°47	2°34	17°39	9° 6	4°18	3°D57	2°59	21°38	7°57	T 12
W13	13 58 42	1°24'14	11°B32	9°15	25°45	9°55	22° 0	2°33	17°42	9° 6	4°18	3°58	2°56	21°45	8° 0	W13
T 14	14 2 39	2°22'26	24° 1	11°21	26°56	9°56	22°13	2°32	17°45	9° 7	4°19	3°59	2°52	21°52	8° 2	T 14
F 15	14 6 35	3°20'36	6°B50	13°26	28° 7	9°58	22°25	2°30	17°49	9° 7	4°20	4° 0	2°49	21°58	8° 5	F 15
S 16	14 10 32	4°18'44	20° 2	15°29	29°19	10° 1	22°38	2°29	17°52	9° 7	4°21	4° 2	2°46	22° 5	8° 7	S 16
S 17	14 14 28	5°16'50	3°B41	17°30	0°V30	10° 4	22°50	2°28	17°55	9° 7	4°22	4°R 2	2°43	22°12	8°10	S 17
M18	14 18 25	6°14'54	17°44	19°29	1°41	10° 8	23° 3	2°27	17°59	9° 7	4°23	4° 2	2°40	22°18	8°12	M18
T 19	14 22 21	7°12'56	2°B11	21°25	2°53	10°12	23°15	2°25	18° 2	9° 7	4°24	4° 0	2°37	22°25	8°15	T 19
W20	14 26 18	8°10'57	16°55	23°19	4° 4	10°17	23°28	2°23	18° 5	9° 8	4°24	3°56	2°33	22°32	8°17	W20
T 21	14 30 14	9° 8'56	1°B49	25°10	5°16	10°23	23°40	2°22	18° 8	9° 8	4°25	3°51	2°30	22°39	8°19	T 21
F 22	14 34 11	10° 6'54	16°46	26°58	6°27	10°30	23°52	2°20	18°12	9° 8	4°26	3°46	2°27	22°45	8°22	F 22
S 23	14 38 8	11° 4'50	1°B35	28°42	7°39	10°37	24° 4	2°18	18°15	9° 9	4°27	3°41	2°24	22°52	8°24	S 23
S 24	14 42 4	12° 2'45	16°11	0°II24	8°51	10°45	24°16	2°16	18°18	9° 9	4°28	3°37	2°21	22°59	8°26	S 24
M25	14 46 1	13° 0'38	0°B28	2° 2	10° 2	10°54	24°28	2°14	18°21	9°10	4°29	3°35	2°17	23° 6	8°28	M25
T 26	14 49 57	13°58'31	14°25	3°36	11°14	11° 3	24°40	2°12	18°25	9°10	4°30	3°D34	2°14	23°12	8°30	T 26
W27	14 53 54	14°56'22	28° 1	5° 7	12°26	11°13	24°51	2°10	18°28	9°11	4°31	3°35	2°11	23°19	8°32	W27
T 28	14 57 50	15°54'12	11°B17	6°35	13°37	11°23	25° 3	2° 8	18°31	9°11	4°32	3°36	2° 8	23°26	8°34	T 28
F 29	15 1 47	16°52'00	24°16	7°58	14°49	11°34	25°15	2° 5	18°34	9°12	4°34	3°37	2° 5	23°32	8°36	F 29
S 30	15 5 43	17°B49'47	7°V 1	9°II18	16°V 1	11°B45	25°K26	2°B 3	18°V37	9°B12	4°B35	3°R38	2°V 2	23°II39	8°K38	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
F 1	7n44	7s51	1s48	4n18	1s17	8s17	1s 6	10n 8	2n47	5s12	1s 4	22s32	0n57	6n 9	0s36	18n12	0n10	21n16	2s11	1n43	1n25	28n10	4s 5	5n 5	
S 2	8 6	1 38	0 38	5 13	1 9	7 52	1 9	10 9	2 44	5 7	1 4	22 32	0 57	6 11	0 36	18 12	0 10	21 16	2 11	1 43	1 24	28 11	4 4	5 5	
S 3	8 28	4n34	0n33	6 9	1 0	7 27	1 11	10 9	2 41	5 2	1 4	22 32	0 57	6 12	0 36	18 12	0 10	21 16	2 11	1 43	1 23	28 11	4 3	5 6	
M 4	8 50	10 29	1 41	7 5	0 51	7 2	1 13	10 9	2 39	4 56	1 4	22 32	0 57	6 13	0 36	18 12	0 10	21 16	2 11	1 43	1 21	28 12	4 2	5 6	
T 5	9 12	15 53	2 43	8 1	0 42	6 36	1 16	10 9	2 36	4 51	1 4	22 32	0 57	6 15	0 36	18 12	0 10	21 17	2 10	1 42	1 20	28 13	4 0	5 6	
W 6	9 34	20 35	3 36	8 57	0 32	6 10	1 18	10 9	2 33	4 46	1 4	22 32	0 57	6 16	0 36	18 12	0 10	21 17	2 10	1 41	1 19	28 13	3 59	5 6	
T 7	9 55	24 21	4 19	9 53	0 22	5 45	1 20	10 8	2 31	4 41	1 5	22 32	0 57	6 17	0 36	18 12	0 11	21 17	2 10	1 39	1 18	28 14	3 58	5 6	
F 8	10 16	27 2	4 50	10 49	0 12	5 18	1 22	10 7	2 28	4 36	1 5	22 32	0 57	6 19	0 36	18 12	0 11	21 17	2 10	1 38	1 16	28 15	3 57	5 6	
S 9	10 37	28 30	5 8	11 45	0 1	4 52	1 24	10 5	2 25	4 31	1 5	22 32	0 57	6 20	0 36	18 12	0 11	21 17	2 10	1 37	1 15	28 15	3 55	5 6	
S 10	10 58	28 38	5 14	12 39	0n10	4 26	1 26	10 4	2 23	4 26	1 5	22 32	0 57	6 21	0 36	18 12	0 11	21 17	2 10	1 36	1 14	28 16	3 54	5 7	
M11	11 19	27 26	5 5	13 33	0 21	3 59	1 28	10 2	2 20	4 21	1 5	22 32	0 57	6 22	0 36	18 12	0 11	21 17	2 10	1 35	1 13	28 17	3 53	5 7	
T 12	11 40	24 59	4 44	14 26	0 31	3 32	1 30	10 0	2 17	4 16	1 5	22 32	0 57	6 24	0 36	18 12	0 11	21 17	2 10	1 35	1 11	28 17	3 52	5 7	
W13	12 0	21 22	4 9	15 17	0 42	3 6	1 31	9 57	2 15	4 11	1 5	22 32	0 57	6 25	0 36	18 12	0 11	21 17	2 10	1 35	1 10	28 18	3 51	5 7	
T 14	12 20	16 44	3 22	16 7	0 52	2 39	1 33	9 54	2 12	4 6	1 6	22 32	0 57	6 26	0 36	18 12	0 11	21 17	2 10	1 35	1 9	28 18	3 50	5 7	
F 15	12 40	11 15	2 23	16 55	1 3	2 12	1 34	9 51	2 10	4 1	1 6	22 32	0 57	6 28	0 36	18 12	0 11	21 17	2 9	1 36	1 7	28 19	3 49	5 8	
S 16	13 0	5 7	1 16	17 41	1 13	1 44	1 36	9 48	2 7	3 56	1 6	22 32	0 57	6 29	0 36	18 12	0 11	21 17	2 9	1 36	1 6	28 20	3 47	5 8	
S 17	13 19	1s26	0 2	18 25	1 22	1 17	1 37	9 44	2 5	3 52	1 6	22 32	0 57	6 30	0 36	18 12	0 11	21 18	2 9	1 37	1 5	28 20	3 46	5 8	
M18	13 39	8 7	1s14	19 7	1 31	0 50	1 38	9 41	2 2	3 47	1 6	22 32	0 57	6 31	0 36	18 12	0 11	21 18	2 9	1 36	1 4	28 21	3 45	5 8	
T 19	13 58	14 34	2 27	19 47	1 40	0 22	1 40	9 37	2 0	3 42	1 6	22 32	0 57	6 33	0 36	18 12	0 11	21 18	2 9	1 36	1 2	28 21	3 44	5 8	
W20	14 17	20 20	3 32	20 24	1 48	0n 5	1 41	9 32	1 57	3 37	1 7	22 32	0 57	6 34	0 36	18 12	0 11	21 18	2 9	1 34	1 1	28 22	3 43	5 9	
T 21	14 35	24 54	4 24	20 59	1 55	0 33	1 42	9 28	1 55	3 33	1 7	22 32	0 57	6 35	0 36	18 12	0 11	21 18	2 9	1 32	1 0	28 22	3 42	5 9	
F 22	14 54	27 47	4 57	21 31	2 2	1 0	1 42	9 23	1 52	3 28	1 7	22 32	0 57	6 36	0 36	18 12	0 11	21 18	2 9	1 30	0 59	28 23	3 41	5 9	
S 23	15 12	28 41	5 10	22 0	2 8	1 28	1 43	9 18	1 50	3 23	1 7	22 33	0 57	6 38	0 36	18 12	0 11	21 18	2 9	1 28	0 57	28 23	3 40	5 9	
S 24	15 30	27 33	5 3	22 28	2 13	1 55	1 44	9 13	1 47	3 19	1 7	22 33	0 57	6 39	0 36	18 12	0 11	21 18	2 8	1 27	0 56	28 24	3 39	5 9	
M25	15 48	24 37	4 37	22 52	2 17	2 23	1 45	9 7	1 45	3 14	1 7	22 33	0 57	6 40	0 36	18 12	0 11	21 18	2 8	1 26	0 55	28 24	3 38	5 10	
T 26	16 5	20 18	3 55	23 15	2 21	2 51	1 45	9 2	1 43	3 10	1 8	22 33	0 57	6 41	0 36	18 11	0 11	21 18	2 8	1 25	0 54	28 25	3 37	5 10	
W27	16 22	15 2	3 1	23 34	2 23	3 18	1 46	8 56	1 40	3 5	1 8	22 33	0 57	6 43	0 36	18 11	0 11	21 18	2 8	1 26	0 52	28 25	3 36	5 10	
T 28	16 39	9 10	1 58	23 52	2 25	3 46	1 46	8 50	1 38	3 1	1 8	22 33	0 57	6 44	0 36	18 11	0 11	21 18	2 8	1 26	0 51	28 26	3 35	5 10	
F 29	16 56	3 3	0 50	24 7	2 26	4 13	1 46	8 43	1 36	2 56	1 8	22 33	0 57	6 45	0 36	18 11	0 11	21 18	2 8	1 27	0 50	28 26	3 34	5 10	
S 30	17n12	3n 4	0n18	24n20	2n26	4n41	1s47	8n37	1n34	2s52	1s 8	22s33	0n57	6n46	0s36	18n11	0n11	21n18	2s 8	1n27	0n48	28n27	3s33	5n11	

ASTRODIENST EPHEMERIS for the year 1429

geocentric

JUNE 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	17 11 53	18°28'35"	5°11' 9	16°R15	24°8'30"	22°11' 5	0°Y37	0°R10	20°Y 3	9°L47	5°S17	1°R 7	0°Y20	27°11'14"	9°11'11"	W 1
T 2	17 15 50	19°25'50"	17° 3	15°11'42"	25°42'	22°30'	0°44'	0°3	20° 5	9°49'	5°18'	0°Y54	0°17'	27°21'	9°11'	T 2
F 3	17 19 46	20°23'05"	28°55'	15°11'	26°55'	22°56'	0°52'	0° 1	20° 7	9°50'	5°20'	0°40'	0°14'	27°28'	9°11'	F 3
S 4	17 23 43	21°20'20"	10°54'7"	14°42'	28° 8	23°22'	0°59'	29°15'7"	20° 9	9°52'	5°21'	0°27'	0°10'	27°34'	9°11'	S 4
S 5	17 27 40	22°17'34"	22°40'	14°16'	29°20'	23°49'	1° 6	29°53'	20°11'	9°54'	5°23'	0°15'	0° 7	27°41'	9°11'	S 5
M 6	17 31 36	23°14'47"	4°12'37"	13°52'	0°11'33"	24°15'	1°13'	29°48'	20°13'	9°55'	5°24'	0° 5	0° 4	27°48'	9°11'	M 6
T 7	17 35 33	24°12'00"	16°39'	13°32'	1°45'	24°42'	1°20'	29°44'	20°15'	9°57'	5°26'	29°15'8"	0° 1	27°55'	9°10'	T 7
W 8	17 39 29	25° 9'12"	28°50'	13°16'	2°58'	25°10'	1°27'	29°40'	20°17'	9°59'	5°27'	29°53'	29°15'8"	28° 1	9°10'	W 8
T 9	17 43 26	26° 6'24"	11°11'15"	13° 4	4°11'	25°37'	1°34'	29°35'	20°19'	10° 0	5°29'	29°51'	29°55'	28° 8	9°10'	T 9
F 10	17 47 22	27° 3'36"	23°57'	12°56'	5°23'	26° 5	1°40'	29°31'	20°20'	10° 2	5°30'	29°51'	29°51'	28°15'	9°10'	F 10
S 11	17 51 19	28° 0'46"	7°12' 0	12°D53	6°36'	26°33'	1°46'	29°26'	20°22'	10° 4	5°32'	29°51'	29°48'	28°22'	9° 9	S 11
S 12	17 55 15	28°57'57"	20°29'	12°54'	7°49'	27° 2	1°52'	29°22'	20°24'	10° 6	5°33'	29°50'	29°45'	28°28'	9° 9	S 12
M13	17 59 12	29°55'07"	4°11'27"	13° 1	9° 2	27°30'	1°58'	29°17'	20°26'	10° 7	5°35'	29°47'	29°42'	28°35'	9° 8	M13
T 14	18 3 9	0°52'16"	18°53'	13°12'	10°14'	27°59'	2° 4	29°13'	20°27'	10° 9	5°36'	29°42'	29°39'	28°42'	9° 8	T 14
W15	18 7 5	1°49'26"	3°14'45"	13°28'	11°27'	28°28'	2°10'	29° 9	20°29'	10°11'	5°38'	29°35'	29°35'	28°48'	9° 7	W15
T 16	18 11 2	2°46'35"	18°55'	13°49'	12°40'	28°58'	2°15'	29° 4	20°30'	10°13'	5°39'	29°25'	29°32'	28°55'	9° 6	T 16
F 17	18 14 58	3°43'44"	4°15'15"	14°15'	13°53'	29°27'	2°21'	29° 0	20°32'	10°15'	5°41'	29°14'	29°29'	29° 2	9° 6	F 17
S 18	18 18 55	4°40'53"	19°33'	14°46'	15° 6	29°57'	2°26'	28°56'	20°33'	10°16'	5°42'	29° 4	29°26'	29° 9	9° 5	S 18
S 19	18 22 51	5°38'02"	4°13'17"	15°21'	16°19'	0°12'27"	2°31'	28°51'	20°35'	10°18'	5°44'	28°55'	29°23'	29°15'	9° 4	S 19
M20	18 26 48	6°35'12"	19°18'	16° 2	17°32'	0°57'	2°35'	28°47'	20°36'	10°20'	5°45'	28°49'	29°20'	29°22'	9° 3	M20
T 21	18 30 45	7°32'22"	3°13'33"	16°47'	18°45'	1°28'	2°40'	28°42'	20°38'	10°22'	5°47'	28°45'	29°16'	29°29'	9° 2	T 21
W22	18 34 41	8°29'32"	17°17'	17°38'	19°58'	1°58'	2°45'	28°38'	20°39'	10°24'	5°48'	28°43'	29°13'	29°36'	9° 1	W22
T 23	18 38 38	9°26'42"	0°Y34	18°33'	21°11'	2°29'	2°49'	28°34'	20°40'	10°26'	5°50'	28°D42	29°10'	29°42'	9° 0	T 23
F 24	18 42 34	10°23'53"	13°26'	19°32'	22°24'	3° 0	2°53'	28°30'	20°41'	10°28'	5°51'	28°R43	29° 7	29°49'	8°59'	F 24
S 25	18 46 31	11°21'05"	25°58'	20°37'	23°37'	3°32'	2°57'	28°25'	20°42'	10°30'	5°53'	28°42'	29° 4	29°56'	8°58'	S 25
S 26	18 50 27	12°18'17"	8°13'	21°45'	24°50'	4° 3	3° 1	28°21'	20°43'	10°32'	5°54'	28°39'	29° 1	0°25' 2	8°57'	S 26
M27	18 54 24	13°15'30"	20°18'	22°59'	26° 3	4°35'	3° 4	28°17'	20°45'	10°34'	5°56'	28°34'	28°57'	0° 9	8°55'	M27
T 28	18 58 20	14°12'43"	2°11'15"	24°16'	27°16'	5° 7	3° 7	28°13'	20°46'	10°36'	5°58'	28°27'	28°54'	0°16'	8°54'	T 28
W29	19 2 17	15° 9'57"	14° 8	25°38'	28°29'	5°39'	3°11'	28° 9	20°47'	10°38'	5°59'	28°16'	28°51'	0°23'	8°53'	W29
T 30	19 6 14	16°52' 7'11"	25°11'59"	27°11' 4	29°11'43"	6°11'	3°Y14	28°14' 4	20°Y47	10°L40	6°S 1	28°14' 4	28°14'48"	0°29' 2	8°51'	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	23n 1	25n39	4n30	19n 6	3s43	17n44	1s16	3n40	0n34	0s55	1s15	22s35	0n56	7n18	0s36	18n 2
T 2	23 6	27 43	4 51	18 52	3 54	18 3	1 14	3 29	0 33	0 52	1 16	22 35	0 56	7 19	0 36	18 1
F 3	23 10	28 30	5 0	18 39	4 4	18 22	1 12	3 17	0 31	0 49	1 16	22 35	0 56	7 20	0 36	18 1
S 4	23 14	27 59	4 55	18 28	4 11	18 40	1 10	3 6	0 30	0 46	1 16	22 35	0 56	7 20	0 36	18 0
S 5	23 17	26 10	4 38	18 19	4 18	18 58	1 8	2 54	0 28	0 44	1 16	22 35	0 56	7 21	0 36	18 0
M 6	23 21	23 11	4 8	18 11	4 23	19 15	1 6	2 42	0 27	0 41	1 17	22 35	0 56	7 22	0 36	18 0
T 7	23 23	19 11	3 27	18 5	4 27	19 32	1 4	2 30	0 25	0 39	1 17	22 35	0 56	7 23	0 36	17 59
W 8	23 26	14 21	2 36	18 1	4 29	19 49	1 2	2 17	0 24	0 36	1 17	22 35	0 56	7 23	0 36	17 59
T 9	23 28	8 52	1 37	17 58	4 30	20 4	0 59	2 5	0 22	0 34	1 17	22 35	0 56	7 24	0 36	17 58
F 10	23 29	2 53	0 31	17 58	4 30	20 20	0 57	1 53	0 21	0 31	1 18	22 35	0 56	7 25	0 36	17 58
S 11	23 30	3s22	0s38	17 59	4 28	20 35	0 55	1 40	0 20	0 29	1 18	22 35	0 55	7 25	0 36	17 57
S 12	23 31	9 41	1 47	18 2	4 25	20 49	0 53	1 28	0 18	0 27	1 18	22 35	0 55	7 26	0 36	17 57
M13	23 31	15 44	2 52	18 7	4 21	21 3	0 50	1 15	0 17	0 25	1 18	22 36	0 55	7 26	0 37	17 56
T 14	23 31	21 9	3 48	18 14	4 15	21 16	0 48	1 2	0 15	0 23	1 19	22 36	0 55	7 27	0 37	17 56
W15	23 30	25 24	4 31	18 22	4 9	21 28	0 46	0 50	0 14	0 21	1 19	22 36	0 55	7 28	0 37	17 55
T 16	23 29	27 57	4 55	18 32	4 2	21 40	0 43	0 37	0 13	0 19	1 19	22 36	0 55	7 28	0 37	17 55
F 17	23 28	28 26	4 59	18 43	3 54	21 52	0 41	0 24	0 12	0 17	1 20	22 36	0 55	7 29	0 37	17 54
S 18	23 26	26 44	4 41	18 55	3 45	22 3	0 38	0 11	0 10	0 15	1 20	22 36	0 55	7 29	0 37	17 54
S 19	23 24	23 7	4 4	19 9	3 35	22 13	0 36	0s 3	0 9	0 14	1 20	22 36	0 55	7 30	0 37	17 53
M20	23 21	18 7	3 12	19 23	3 25	22 22	0 33	0 16	0 8	0 12	1 21	22 36	0 55	7 30	0 37	17 53
T 21	23 18	12 14	2 9	19 39	3 14	22 31	0 31	0 29	0 6	0 10	1 21	22 36	0 55	7 31	0 37	17 52
W22	23 15	5 57	1 0	19 55	3 2	22 40	0 29	0 42	0 5	0 9	1 21	22 36	0 54	7 31	0 37	17 52
T 23	23 11	0n23	0n10	20 11	2 50	22 47	0 26	0 56	0 4	0 7	1 21	22 36	0 54	7 32	0 37	17 51
F 24	23 6	6 30	1 17	20 29	2 38	22 54	0 23	1 9	0 3	0 6	1 22	22 36	0 54	7 32	0 37	17 51
S 25	23 2	12 13	2 19	20 46	2 25	23 1	0 21	1 23	0 2	0 5	1 22	22 36	0 54	7 33	0 37	17 50
S 26	22 57	17 20	3 13	21 3	2 12	23 6	0 18	1 37	0 0	0 3	1 22	22 36	0 54	7 33	0 37	17 50
M27	22 51	21 41	3 57	21 21	1 59	23 11	0 16	1 50	0s 1	0 2	1 23	22 36	0 54	7 33	0 37	17 49
T 28	22 45	25 6	4 31	21 38	1 46	23 16	0 13	2 4	0 2	0 1	1 23	22 36	0 54	7 34	0 37	17 49
W29	22 39	27 24	4 52	21 54	1 32	23 20	0 11	2 18	0 3	0 0	1 23	22 36	0 54	7 34	0 37	17 48
T 30	22n32	28n28	5n 1	22n10	1s19	23n23	0s 8	2s32	0s 4	0n 1	1s23	22s36	0n54	7n34	0s37	17n48

Julian Day Number = 2243151.5, Delta T = 07m05s

Ecliptic obliquity = 23°30'57", Nutation = - 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°46'49", Lahiri = 15°53'50" Julian Calendar 1 June 1429 == Greg. Calendar 10 June 1429

ASTRODIENST EPHEMERIS for the year 1429

geocentric

JULY 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	19 10 10	17°51'42"	7°51'51"	28°11'35"	0°55'56"	6°44'44"	3°16'16"	28°R 0	20°Y48	10°L42	6°52'2	27°R52	28°K45	0°53'36"	8°R50	F 1
S 2	19 14 7	18° 1'42"	19°46'	0°59'9"	2° 9'	7°16'	3°19'	27°56'	20°49'	10°44'	6° 4'	27°K39	28°41'	0°43'	8°K48	S 2
S 3	19 18 3	18°58'58"	1°44'	1°47'	3°23'	7°49'	3°22'	27°52'	20°50'	10°46'	6° 5'	27°28'	28°38'	0°49'	8°47'	S 3
M 4	19 22 0	19°56'14"	13°47'	3°29'	4°36'	8°22'	3°24'	27°49'	20°51'	10°48'	6° 7'	27°18'	28°35'	0°56'	8°45'	M 4
T 5	19 25 5	20°53'31"	25°57'	5°15'	5°49'	8°56'	3°26'	27°45'	20°51'	10°51'	6° 8'	27°12'	28°32'	1° 3'	8°44'	T 5
W 6	19 29 53	21°50'48"	8°15'	7° 3'	7° 3'	9°29'	3°28'	27°41'	20°52'	10°53'	6°10'	27° 8'	28°29'	1°10'	8°42'	W 6
T 7	19 33 49	22°48'06"	20°46'	8°55'	8°16'	10° 3'	3°29'	27°37'	20°52'	10°55'	6°11'	27° 6'	28°26'	1°16'	8°40'	T 7
F 8	19 37 46	23°45'24"	3°43'	10°50'	9°29'	10°37'	3°31'	27°33'	20°53'	10°57'	6°12'	27°D 6	28°22'	1°23'	8°38'	F 8
S 9	19 41 43	24°42'42"	16°35'	12°47'	10°43'	11°10'	3°32'	27°30'	20°53'	10°59'	6°14'	27° 6'	28°19'	1°30'	8°37'	S 9
S 10	19 45 39	25°40'01"	0°11'0"	14°46'	11°56'	11°45'	3°33'	27°26'	20°54'	11° 1'	6°15'	27°R 7	28°16'	1°37'	8°35'	S 10
M 11	19 49 36	26°37'21"	13°50'	16°47'	13°10'	12°19'	3°34'	27°22'	20°54'	11° 3'	6°17'	27° 5'	28°13'	1°43'	8°33'	M 11
T 12	19 53 32	27°34'41"	28° 5'	18°50'	14°23'	12°53'	3°35'	27°19'	20°55'	11° 6'	6°18'	27° 2'	28°10'	1°50'	8°31'	T 12
W 13	19 57 29	28°32'01"	12°43'	20°54'	15°37'	13°28'	3°35'	27°15'	20°55'	11° 8'	6°20'	26°56'	28° 7'	1°57'	8°29'	W 13
T 14	20 1 25	29°29'23"	27°39'	22°59'	16°51'	14° 3'	3°36'	27°12'	20°55'	11°10'	6°21'	26°49'	28° 3'	2° 3'	8°27'	T 14
F 15	20 5 22	0°12'45"	12°34'	25° 4'	18° 4'	14°38'	3°R36	27° 9'	20°55'	11°12'	6°23'	26°41'	28° 0'	2°10'	8°25'	F 15
S 16	20 9 18	1°24'07"	27°57'	27° 9'	19°18'	15°13'	3°36'	27° 5'	20°55'	11°14'	6°24'	26°33'	27°57'	2°17'	8°23'	S 16
S 17	20 13 15	2°21'31"	12°57'	29°15'	20°31'	15°48'	3°35'	27° 2'	20°56'	11°17'	6°25'	26°26'	27°54'	2°24'	8°21'	S 17
M 18	20 17 12	3°18'56"	27°39'	1°12'0"	21°45'	16°23'	3°35'	26°59'	20°R56	11°19'	6°27'	26°21'	27°51'	2°30'	8°18'	M 18
T 19	20 21 8	4°16'21"	11°57'	3°25'	22°59'	16°59'	3°34'	26°56'	20°56'	11°21'	6°28'	26°18'	27°47'	2°37'	8°16'	T 19
W 20	20 25 5	5°13'48"	25°47'	5°29'	24°13'	17°35'	3°33'	26°53'	20°55'	11°23'	6°30'	26°D17	27°44'	2°44'	8°14'	W 20
T 21	20 29 1	6°11'16"	9°9' 9"	7°32'	25°26'	18°10'	3°32'	26°50'	20°55'	11°25'	6°31'	26°18'	27°41'	2°51'	8°12'	T 21
F 22	20 32 58	7° 8'45"	22° 6'	9°34'	26°40'	18°46'	3°31'	26°47'	20°55'	11°28'	6°32'	26°19'	27°38'	2°57'	8° 9'	F 22
S 23	20 36 54	8° 6'16"	4°40'	11°35'	27°54'	19°23'	3°30'	26°45'	20°55'	11°30'	6°34'	26°R20	27°35'	3° 4'	8° 7'	S 23
S 24	20 40 51	9° 3'49"	16°57'	13°34'	29° 8'	19°59'	3°28'	26°42'	20°55'	11°32'	6°35'	26°19'	27°32'	3°11'	8° 5'	S 24
M 25	20 44 47	10° 1'22"	29° 2'	15°33'	0°12'2"	20°35'	3°26'	26°39'	20°54'	11°34'	6°36'	26°17'	27°28'	3°17'	8° 2'	M 25
T 26	20 48 44	10°58'58"	10°11'58"	17°30'	1°36'	21°12'	3°24'	26°37'	20°54'	11°37'	6°38'	26°13'	27°25'	3°24'	8° 0'	T 26
W 27	20 52 41	11°56'34"	22°50'	19°26'	2°50'	21°48'	3°22'	26°34'	20°54'	11°39'	6°39'	26° 8'	27°22'	3°31'	7°57'	W 27
T 28	20 56 37	12°54'13"	4°42'	21°20'	4° 4'	22°25'	3°19'	26°32'	20°53'	11°41'	6°40'	26° 1'	27°19'	3°38'	7°55'	T 28
F 29	21 0 34	13°51'52"	16°36'	23°13'	5°18'	23° 2'	3°17'	26°30'	20°53'	11°43'	6°41'	25°53'	27°16'	3°44'	7°52'	F 29
S 30	21 4 30	14°49'33"	28°35'	25° 4'	6°32'	23°39'	3°14'	26°27'	20°52'	11°45'	6°43'	25°45'	27°13'	3°51'	7°50'	S 30
S 31	21 8 27	15°47'16"	10°41'	26°45'	7°46'	24°17'	3°Y11	26°25'	20°Y52	11°48'	6°44'	25°K38	27°K 9	3°58'	7°K47	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	22n25	28n13	4n56	22n25	1s 5	23n25	0s 6	2s46	0s 5	0n 2	1s24	22s37	0n54	7n35	0s37	17n47
S 2	22 18	26 39	4 39	22 39	0 52	23 27	0 3	3 0	0 6	0 2	1 24	22 37	0 53	7 35	0 37	17 46
S 3	22 10	23 53	4 10	22 52	0 39	23 28	0 1	3 14	0 7	0 3	1 24	22 37	0 53	7 35	0 37	17 46
M 4	22 2 20	4 3	29 23	3 0	26 23	28 0n 2	3 28	0 9	0 4	1 25	22 37	0 53	7 35	0 37	17 45	0 11
T 5	21 53	15 23	2 38	23 12	0 13	23 27	0 4	3 42	0 10	0 4	1 25	22 37	0 53	7 36	0 37	17 45
W 6	21 44	10 1	1 39	23 19	0 1	23 26	0 7	3 56	0 11	0 5	1 25	22 37	0 53	7 36	0 37	17 44
T 7	21 35	4 11	0 34	23 24	0n11	23 25	0 9	4 10	0 12	0 5	1 26	22 37	0 53	7 36	0 37	17 44
F 8	21 25	1s56	0s34	23 27	0 23	23 22	0 12	4 25	0 13	0 5	1 26	22 37	0 53	7 36	0 37	17 43
S 9	21 15	8 6	1 42	23 27	0 33	23 19	0 14	4 39	0 14	0 6	1 26	22 37	0 53	7 36	0 37	17 42
S 10	21 5	14 6	2 46	23 25	0 43	23 15	0 17	4 53	0 15	0 6	1 26	22 37	0 52	7 37	0 37	17 42
M 11	20 54	19 35	3 43	23 20	0 53	23 11	0 19	5 8	0 16	0 6	1 27	22 37	0 52	7 37	0 37	17 41
T 12	20 43	24 8	4 27	23 12	1 2	23 5	0 21	5 22	0 17	0 6	1 27	22 37	0 52	7 37	0 37	17 41
W 13	20 31	27 17	4 55	23 2	1 10	22 59	0 24	5 36	0 18	0 6	1 27	22 37	0 52	7 37	0 37	17 40
T 14	20 19	28 34	5 5	22 49	1 17	22 53	0 26	5 51	0 19	0 6	1 28	22 37	0 52	7 37	0 37	17 40
F 15	20 7	27 45	4 53	22 33	1 23	22 46	0 28	6 5	0 20	0 5	1 28	22 37	0 52	7 37	0 37	17 39
S 16	19 55	24 54	4 21	22 15	1 29	22 38	0 31	6 20	0 21	0 5	1 28	22 37	0 52	7 37	0 37	17 38
S 17	19 42	20 21	3 31	21 54	1 34	22 29	0 33	6 34	0 22	0 5	1 29	22 37	0 52	7 37	0 37	17 38
M 18	19 29	14 38	2 27	21 31	1 38	22 20	0 35	6 49	0 23	0 4	1 29	22 38	0 51	7 37	0 37	17 37
T 19	19 15	8 17	1 16	21 5	1 41	22 10	0 37	7 3	0 24	0 4	1 29	22 38	0 51	7 37	0 37	17 37
W 20	19 1	1 43	0 3	20 38	1 43	21 59	0 39	7 18	0 25	0 3	1 29	22 38	0 51	7 37	0 37	17 36
T 21	18 47	4n41	1n 9	20 8	1 45	21 48	0 41	7 32	0 25	0 2	1 30	22 38	0 51	7 37	0 37	17 35
F 22	18 33	10 43	2 14	19 37	1 46	21 36	0 44	7 47	0 26	0 2	1 30	22 38	0 51	7 37	0 37	17 35
S 23	18 18	16 7	3 12	19 4	1 46	21 24	0 46	8 2	0 27	0 1	1 30	22 38	0 51	7 37	0 38	17 34
S 24	18 3	20 46	3 59	18 30	1 46	21 10	0 48	8 16	0 28	0s 0	1 31	22 38	0 51	7 36	0 38	17 34
M 25	17 47	24 28	4 34	17 54	1 45	20 57	0 50	8 31	0 29	0 1	1 31	22 38	0 50	7 36	0 38	17 33
T 26	17 32	27 4	4 57	17 17	1 44	20 42	0 51	8 45	0 30	0 2	1 31	22 38	0 50	7 36	0 38	17 32
W 27	17 16	28 26	5 8	16 39	1 41	20 27	0 53	9 0	0 31	0 3	1 32	22 38	0 50	7 36	0 38	17 32
T 28	17 0	28 30	5 5	16 0	1 39	20 12	0 55	9 15	0 32	0 5	1 32	22 38	0 50	7 36	0 38	17 31
F 29	16 43	27 15	4 48	15 20	1 36	19 56	0 57	9 29	0 32	0 6	1 32	22 38	0 50	7 36	0 38	17 30
S 30	16 26	24 44	4 20	14 39	1 32	19 39	0 59	9 44	0 33	0 7	1 32	22 38	0 50	7 35	0 38	17 30
S 31	16n 9	21n 7	3n39	13n58	1n28	19n22	1n 0	9s58	0s34	0s 9	1s33	22s39	0n50	7n35	0s38	17n29

Julian Day Number = 2243181.5, Delta T = 07m05s

Ecliptic obliquity = 23°30'57", Nutation = 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°46'53", Lahiri = 15°53'54" Julian Calendar 1 July 1429 == Greg. Calendar 10 July 1429

ASTRODIENST EPHEMERIS for the year 1429
geocentric

AUGUST 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	21 12 23	16 ⁰⁰ 44'59	22 ⁰⁰ 55	28 ⁰⁰ 43	9 ⁰⁰ 0	24 ⁰⁰ 54	3 ⁰⁰ 8	26 ⁰⁰ R23	20 ⁰⁰ R51	11 ⁰⁰ 50	6 ⁰⁰ 45	25 ⁰⁰ R33	27 ⁰⁰ 6	4 ⁰⁰ 5	7 ⁰⁰ R44	M 1
T 2	21 16 20	17 ⁰⁰ 42'44	5 ⁰⁰ 18	0 ⁰⁰ 30	10 ⁰⁰ 14	25 ⁰⁰ 32	3 ⁰⁰ 4	26 ⁰⁰ 21	20 ⁰⁰ Y50	11 ⁰⁰ 52	6 ⁰⁰ 46	25 ⁰⁰ 29	27 ⁰⁰ 3	4 ⁰⁰ 11	7 ⁰⁰ 42	T 2
W 3	21 20 16	18 ⁰⁰ 40'30	17 ⁰⁰ 51	2 ⁰⁰ 16	11 ⁰⁰ 28	26 ⁰⁰ 9	3 ⁰⁰ 1	26 ⁰⁰ 19	20 ⁰⁰ 50	11 ⁰⁰ 54	6 ⁰⁰ 48	25 ⁰⁰ 27	27 ⁰⁰ 0	4 ⁰⁰ 18	7 ⁰⁰ 39	W 3
T 4	21 24 13	19 ⁰⁰ 38'18	0 ⁰⁰ 36	4 ⁰⁰ 0	12 ⁰⁰ 42	26 ⁰⁰ 47	2 ⁰⁰ 57	26 ⁰⁰ 18	20 ⁰⁰ 49	11 ⁰⁰ 57	6 ⁰⁰ 49	25 ⁰⁰ D27	26 ⁰⁰ 57	4 ⁰⁰ 25	7 ⁰⁰ 36	T 4
F 5	21 28 10	20 ⁰⁰ 36'07	13 ⁰⁰ 34	5 ⁰⁰ 43	13 ⁰⁰ 57	27 ⁰⁰ 25	2 ⁰⁰ 53	26 ⁰⁰ 16	20 ⁰⁰ 48	11 ⁰⁰ 59	6 ⁰⁰ 50	25 ⁰⁰ 28	26 ⁰⁰ 53	4 ⁰⁰ 31	7 ⁰⁰ 34	F 5
S 6	21 32 6	21 ⁰⁰ 33'57	26 ⁰⁰ 47	7 ⁰⁰ 24	15 ⁰⁰ 11	28 ⁰⁰ 3	2 ⁰⁰ 49	26 ⁰⁰ 14	20 ⁰⁰ 47	12 ⁰⁰ 1	6 ⁰⁰ 51	25 ⁰⁰ 30	26 ⁰⁰ 50	4 ⁰⁰ 38	7 ⁰⁰ 31	S 6
S 7	21 36 3	22 ⁰⁰ 31'48	10 ⁰⁰ 17	9 ⁰⁰ 5	16 ⁰⁰ 25	28 ⁰⁰ 41	2 ⁰⁰ 44	26 ⁰⁰ 13	20 ⁰⁰ 46	12 ⁰⁰ 3	6 ⁰⁰ 52	25 ⁰⁰ 31	26 ⁰⁰ 47	4 ⁰⁰ 45	7 ⁰⁰ 28	S 7
M 8	21 39 59	23 ⁰⁰ 29'41	24 ⁰⁰ 4	10 ⁰⁰ 43	17 ⁰⁰ 39	29 ⁰⁰ 19	2 ⁰⁰ 40	26 ⁰⁰ 12	20 ⁰⁰ 45	12 ⁰⁰ 5	6 ⁰⁰ 53	25 ⁰⁰ R31	26 ⁰⁰ 44	4 ⁰⁰ 52	7 ⁰⁰ 25	M 8
T 9	21 43 56	24 ⁰⁰ 27'35	8 ⁰⁰ 10	12 ⁰⁰ 21	18 ⁰⁰ 54	29 ⁰⁰ 58	2 ⁰⁰ 35	26 ⁰⁰ 10	20 ⁰⁰ 44	12 ⁰⁰ 8	6 ⁰⁰ 54	25 ⁰⁰ 31	26 ⁰⁰ 41	4 ⁰⁰ 58	7 ⁰⁰ 23	T 9
W10	21 47 52	25 ⁰⁰ 25'30	22 ⁰⁰ 32	13 ⁰⁰ 57	20 ⁰⁰ 8	0 ⁰⁰ 36	2 ⁰⁰ 31	26 ⁰⁰ 9	20 ⁰⁰ 43	12 ⁰⁰ 10	6 ⁰⁰ 56	25 ⁰⁰ 29	26 ⁰⁰ 38	5 ⁰⁰ 5	7 ⁰⁰ 20	W10
T 11	21 51 49	26 ⁰⁰ 23'27	7 ⁰⁰ 9	15 ⁰⁰ 32	21 ⁰⁰ 22	1 ⁰⁰ 15	2 ⁰⁰ 26	26 ⁰⁰ 8	20 ⁰⁰ 42	12 ⁰⁰ 12	6 ⁰⁰ 57	25 ⁰⁰ 26	26 ⁰⁰ 34	5 ⁰⁰ 12	7 ⁰⁰ 17	T 11
F 12	21 55 45	27 ⁰⁰ 21'25	21 ⁰⁰ 54	17 ⁰⁰ 5	22 ⁰⁰ 36	1 ⁰⁰ 54	2 ⁰⁰ 20	26 ⁰⁰ 7	20 ⁰⁰ 41	12 ⁰⁰ 14	6 ⁰⁰ 58	25 ⁰⁰ 22	26 ⁰⁰ 31	5 ⁰⁰ 18	7 ⁰⁰ 14	F 12
S 13	21 59 42	28 ⁰⁰ 19'24	6 ⁰⁰ 41	18 ⁰⁰ 37	23 ⁰⁰ 51	2 ⁰⁰ 33	2 ⁰⁰ 15	26 ⁰⁰ 6	20 ⁰⁰ 40	12 ⁰⁰ 16	6 ⁰⁰ 59	25 ⁰⁰ 18	26 ⁰⁰ 28	5 ⁰⁰ 25	7 ⁰⁰ 11	S 13
S 14	22 3 39	29 ⁰⁰ 17'25	21 ⁰⁰ 23	20 ⁰⁰ 8	25 ⁰⁰ 5	3 ⁰⁰ 12	2 ⁰⁰ 10	26 ⁰⁰ 5	20 ⁰⁰ 38	12 ⁰⁰ 18	7 ⁰⁰ 0	25 ⁰⁰ 15	26 ⁰⁰ 25	5 ⁰⁰ 32	7 ⁰⁰ 9	S 14
M15	22 7 35	0 ⁰⁰ 15'27	5 ⁰⁰ 52	21 ⁰⁰ 38	26 ⁰⁰ 20	3 ⁰⁰ 51	2 ⁰⁰ 4	26 ⁰⁰ 4	20 ⁰⁰ 37	12 ⁰⁰ 21	7 ⁰⁰ 1	25 ⁰⁰ 12	26 ⁰⁰ 22	5 ⁰⁰ 39	7 ⁰⁰ 6	M15
T 16	22 11 32	1 ⁰⁰ 13'31	20 ⁰⁰ 2	23 ⁰⁰ 6	27 ⁰⁰ 34	4 ⁰⁰ 30	1 ⁰⁰ 58	26 ⁰⁰ 4	20 ⁰⁰ 36	12 ⁰⁰ 23	7 ⁰⁰ 2	25 ⁰⁰ D11	26 ⁰⁰ 18	5 ⁰⁰ 45	7 ⁰⁰ 3	T 16
W17	22 15 28	2 ⁰⁰ 11'37	3 ⁰⁰ Y49	24 ⁰⁰ 33	28 ⁰⁰ 48	5 ⁰⁰ 9	1 ⁰⁰ 52	26 ⁰⁰ 3	20 ⁰⁰ 34	12 ⁰⁰ 25	7 ⁰⁰ 3	25 ⁰⁰ 11	26 ⁰⁰ 15	5 ⁰⁰ 52	7 ⁰⁰ 0	W17
T 18	22 19 25	3 ⁰⁰ 9'45	17 ⁰⁰ 12	25 ⁰⁰ 58	0 ⁰⁰ 3	5 ⁰⁰ 49	1 ⁰⁰ 46	26 ⁰⁰ 3	20 ⁰⁰ 33	12 ⁰⁰ 27	7 ⁰⁰ 4	25 ⁰⁰ 12	26 ⁰⁰ 12	5 ⁰⁰ 59	6 ⁰⁰ 57	T 18
F 19	22 23 21	4 ⁰⁰ 7'54	0 ⁰⁰ 12	27 ⁰⁰ 22	1 ⁰⁰ 17	6 ⁰⁰ 28	1 ⁰⁰ 40	26 ⁰⁰ 2	20 ⁰⁰ 32	12 ⁰⁰ 29	7 ⁰⁰ 5	25 ⁰⁰ 14	26 ⁰⁰ 9	6 ⁰⁰ 6	6 ⁰⁰ 54	F 19
S 20	22 27 18	5 ⁰⁰ 6'06	12 ⁰⁰ 50	28 ⁰⁰ 45	2 ⁰⁰ 32	7 ⁰⁰ 8	1 ⁰⁰ 34	26 ⁰⁰ 2	20 ⁰⁰ 30	12 ⁰⁰ 31	7 ⁰⁰ 6	25 ⁰⁰ 15	26 ⁰⁰ 6	6 ⁰⁰ 12	6 ⁰⁰ 51	S 20
S 21	22 31 14	6 ⁰⁰ 4'20	25 ⁰⁰ 10	0 ⁰⁰ 7	3 ⁰⁰ 46	7 ⁰⁰ 48	1 ⁰⁰ 27	26 ⁰⁰ 2	20 ⁰⁰ 29	12 ⁰⁰ 33	7 ⁰⁰ 6	25 ⁰⁰ 16	26 ⁰⁰ 3	6 ⁰⁰ 19	6 ⁰⁰ 49	S 21
M22	22 35 11	7 ⁰⁰ 2'36	7 ⁰⁰ II16	1 ⁰⁰ 26	5 ⁰⁰ 1	8 ⁰⁰ 28	1 ⁰⁰ 21	26 ⁰⁰ D 2	20 ⁰⁰ 27	12 ⁰⁰ 35	7 ⁰⁰ 7	25 ⁰⁰ R17	25 ⁰⁰ 59	6 ⁰⁰ 26	6 ⁰⁰ 46	M22
T 23	22 39 8	8 ⁰⁰ 0'54	19 ⁰⁰ 14	2 ⁰⁰ 45	6 ⁰⁰ 16	9 ⁰⁰ 8	1 ⁰⁰ 14	26 ⁰⁰ 2	20 ⁰⁰ 26	12 ⁰⁰ 37	7 ⁰⁰ 8	25 ⁰⁰ 16	25 ⁰⁰ 56	6 ⁰⁰ 32	6 ⁰⁰ 43	T 23
W24	22 43 4	8 ⁰⁰ 59'14	1 ⁰⁰ 7	4 ⁰⁰ 1	7 ⁰⁰ 30	9 ⁰⁰ 48	1 ⁰⁰ 7	26 ⁰⁰ 2	20 ⁰⁰ 24	12 ⁰⁰ 39	7 ⁰⁰ 9	25 ⁰⁰ 15	25 ⁰⁰ 53	6 ⁰⁰ 39	6 ⁰⁰ 40	W24
T 25	22 47 1	9 ⁰⁰ 57'36	13 ⁰⁰ 0	5 ⁰⁰ 17	8 ⁰⁰ 45	10 ⁰⁰ 28	1 ⁰⁰ 0	26 ⁰⁰ 2	20 ⁰⁰ 22	12 ⁰⁰ 41	7 ⁰⁰ 10	25 ⁰⁰ 14	25 ⁰⁰ 50	6 ⁰⁰ 46	6 ⁰⁰ 37	T 25
F 26	22 50 57	10 ⁰⁰ 56'00	24 ⁰⁰ 56	6 ⁰⁰ 30	9 ⁰⁰ 59	11 ⁰⁰ 8	0 ⁰⁰ 53	26 ⁰⁰ 2	20 ⁰⁰ 21	12 ⁰⁰ 43	7 ⁰⁰ 11	25 ⁰⁰ 11	25 ⁰⁰ 47	6 ⁰⁰ 53	6 ⁰⁰ 34	F 26
S 27	22 54 54	11 ⁰⁰ 54'27	7 ⁰⁰ 0	7 ⁰⁰ 42	11 ⁰⁰ 14	11 ⁰⁰ 49	0 ⁰⁰ 46	26 ⁰⁰ 3	20 ⁰⁰ 19	12 ⁰⁰ 45	7 ⁰⁰ 11	25 ⁰⁰ 9	25 ⁰⁰ 44	6 ⁰⁰ 59	6 ⁰⁰ 31	S 27
S 28	22 58 50	12 ⁰⁰ 52'55	19 ⁰⁰ 14	8 ⁰⁰ 52	12 ⁰⁰ 29	12 ⁰⁰ 29	0 ⁰⁰ 39	26 ⁰⁰ 3	20 ⁰⁰ 17	12 ⁰⁰ 47	7 ⁰⁰ 12	25 ⁰⁰ 8	25 ⁰⁰ 40	7 ⁰⁰ 6	6 ⁰⁰ 29	S 28
M29	23 2 47	13 ⁰⁰ 51'25	1 ⁰⁰ 40	10 ⁰⁰ 0	13 ⁰⁰ 43	13 ⁰⁰ 10	0 ⁰⁰ 31	26 ⁰⁰ 4	20 ⁰⁰ 15	12 ⁰⁰ 49	7 ⁰⁰ 13	25 ⁰⁰ 6	25 ⁰⁰ 37	7 ⁰⁰ 13	6 ⁰⁰ 26	M29
T 30	23 6 43	14 ⁰⁰ 49'58	14 ⁰⁰ 19	11 ⁰⁰ 5	14 ⁰⁰ 58	13 ⁰⁰ 51	0 ⁰⁰ 24	26 ⁰⁰ 5	20 ⁰⁰ 13	12 ⁰⁰ 51	7 ⁰⁰ 14	25 ⁰⁰ 5	25 ⁰⁰ 34	7 ⁰⁰ 19	6 ⁰⁰ 23	T 30
W31	23 10 40	15 ⁰⁰ 48'32	27 ⁰⁰ 12	12 ⁰⁰ 9	16 ⁰⁰ 13	14 ⁰⁰ 32	0 ⁰⁰ Y17	26 ⁰⁰ 5	20 ⁰⁰ Y11	12 ⁰⁰ 53	7 ⁰⁰ 14	25 ⁰⁰ D 5	25 ⁰⁰ 31	7 ⁰⁰ 26	6 ⁰⁰ 20	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
M 1	15n52	16n33	2n47	13n16	1n23	19n 4	1n 2	10s13	0s35	0s10	1s33	22s39	0n49	7n35	0s38	17n29	0n11	21n18	2s 2	1s47	1s 9	28n33	3s36	5n30					
T 2	15 34	11 16	1 47	12 33	1 19	18 45	1 4	10 27	0 36	0 12	1 33	22 39	0 49	7 35	0 38	17 28	0 11	21 18	2 2	1 48	1 11	28 33	3 37	5 30					
W 3	15 17	5 27	0 41	11 51	1 13	18 26	1 5	10 42	0 36	0 14	1 33	22 39	0 49	7 34	0 38	17 27	0 11	21 18	2 2	1 49	1 12	28 33	3 37	5 30					
T 4	14 59	0s40	0s28	11 8	1 8	18 7	1 7	10 56	0 37	0 15	1 34	22 39	0 49	7 34	0 38	17 27	0 11	21 18	2 2	1 49	1 13	28 32	3 38	5 30					
F 5	14 40	6 52	1 37	10 24	1 2	17 47	1 8	11 11	0 38	0 17	1 34	22 39	0 49	7 34	0 38	17 26	0 11	21 18	2 2	1 48	1 14	28 32	3 39	5 30					
S 6	14 22	12 53	2 43	9 41	0 56	17 26	1 9	11 25	0 39	0 19	1 34	22 39	0 49	7 33	0 38	17 26	0 11	21 18	2 2	1 48	1 16	28 32	3 40	5 30					
S 7	14 3	18 26	3 40	8 57	0 49	17 6	1 11	11 40	0 40	0 21	1 34	22 39	0 48	7 33	0 38	17 25	0 11	21 18	2 2	1 47	1 17	28 31	3 41	5 30					
M 8	13 44	23 9	4 27	8 13	0 42	16 44	1 12	11 54	0 40	0 23	1 35	22 39	0 48	7 33	0 38	17 24	0 11	21 18	2 2	1 47	1 18	28 31	3 42	5 30					
T 9	13 25	26 39	4 58	7 30	0 36	16 22	1 13	12 8	0 41	0 25	1 35	22 39	0 48	7 32	0 38	17 24	0 11	21 18	2 2	1 47	1 19	28 31	3 43	5 30					
W10	13 5	28 30	5 12	6 46	0 28	16 0	1 14	12 22	0 42	0 27	1 35	22 40	0 48	7 32	0 38	17 23	0 11	21 18	2 2	1 48	1 21	28 30	3 44	5 30					
T 11	12 46	28 25	5 6	6 3	0 21	15 37	1 16	12 37	0 43	0 29	1 35	22 40	0 48	7 31	0 38	17 23	0 11	21 18	2 2	1 49	1 22	28 30	3 45	5 30					
F 12	12 26	26 20	4 40	5 19	0 13	15 14	1 17	12 51	0 43	0 32	1 36	22 40	0 48	7 31	0 38	17 22	0 11	21 18	2 2	1 51	1 23	28 29	3 46	5 30					
S 13	12 6	22 27	3 55	4 36	0 6	14 50	1 18	13 5	0 44	0 34	1 36	22 40	0 48	7 30	0 38	17 21	0 11	21 18	2 2	1 52	1 25	28 29	3 47	5 30					
S 14	11 45	17 11	2 55	3 53	0s 2	14 26	1 18	13 19	0 45	0 36	1 36	22 40	0 47	7 30	0 38	17 21	0 12	21 18	2 2	1 54	1 26	28 29	3 48	5 30					
M15	11 25	11 0	1 44	3 10	0 10	14 1	1 19	13 33	0 45	0 39	1 36	22 40	0 47	7 29	0 38	17 20	0 12	21 18	2 2	1 55	1 27	28 28	3 50	5 30					
T 16	11 4	4 24	0 28	2 28	0 18	13 37	1 20	13 47	0 46	0 41	1 36	22 40	0 47	7 29	0 38	17 20	0 12	21 18	2 2	1 55	1 28	28 28	3 51	5 30					
W17	10 44	2n15	0n47	1 46	0 26	13 11	1 21	14 1	0 47	0 44	1 37	22 40	0 47	7 28	0 38	17 19	0 12	21 18	2 2	1 55	1 30	28 27	3 52	5 30					
T 18	10 23	8 36	1 58	1 5	0 35	12 46	1 22	14 15	0 47	0 46	1 37	22 41	0 47	7 28	0 38	17 18	0 12	21 18	2 2	1 55	1 31	28 27	3 53	5 30					
F 19	10 2	14 24	3 1	0 23	0 43	12 20	1 22	14 29	0 48	0 49	1 37	22 41	0 47	7 27	0 38	17 18	0 12	21 18	2 2	1 54	1 32	28 26	3 54	5 30					
S 20	9 40	19 26	3 53	0s17	0 52	11 53	1 23	14 42	0 49	0 52	1 37	22 41	0 47	7 27	0 38	17 17	0 12	21 18	2 2	1 53	1 33	28 26	3 55	5 30					
S 21	9 19	23 32	4 33	0 58	1 0	11 27	1 23	14 56	0 49	0 55	1 37	22 41	0 46	7 26	0 38	17 17	0 12	21 18	2 2	1 53	1 35	28 25	3 56	5 30					
M22	8 57	26 31	5 0	1 37	1 8	11 0	1 24	15 10	0 50	0 57	1 38	22 41	0 46	7 25	0 38	17 16	0 12	21 18	2 2	1 53	1 36	28 25	3 57	5 30					
T 23	8 35	28 17	5 14	2 16	1 17	10 33	1 24	15 23	0 51	1 0	1 38	22 41	0 46	7 25	0 38	17 16	0 12	21 18	2 2	1 53	1 37	28 24	3 58	5 30					
W24	8 14	28 44	5 14	2 55	1 25	10 5	1 24	15 37	0 51	1 3	1 38	22 41	0 46	7 24	0 38	17 15	0 12	21 18	2 2	1 54	1 38	28 24	3 59	5 29					
T 25	7 52	27 52	5 0	3 32	1 34	9 37	1 25	15 50	0 52	1 6	1 38	22 42	0 46	7 24	0 38	17 14	0 12	21 18	2 2	1 54	1 40	28 23	4 0	5 29					
F 26	7 29	25 42	4 34	4 9	1 42	9 9	1 25	16 3	0 53	1 9	1 38	22 42	0 46	7 23	0 38	17 14	0 12	21 18	2 2	1 55	1 41	28 23	4 2	5 29					
S 27	7 7	22 22	3 55	4 46	1 51	8 41	1 25	16 16	0 53	1 12	1 38	22 42	0 45	7 22	0 38	17 13	0 12	21 18	2 2	1 56	1 42	28 22	4 3	5 29					
S 28	6 45	18 2	3 5	5 21	1 59	8 12	1 25	16 29	0 54	1 15	1 39	22 42	0 45	7 22	0 38	17 13	0 12	21 18	2 2	1 57	1 44	28 22	4 4	5 29					
M29	6 22	12 52	2 6	5 55	2 7	7 43	1 25	16 42	0 54	1 18	1 39	22 42	0 45	7 21	0 38	17 12	0 12	21 18	2 2	1 57	1 45	28 21	4 5	5 29					
T 30	6 0	7 6	0 59	6 29	2 15	7 14	1 25	16 55	0 55	1 21	1 39	22 42	0 45	7 20	0 38	17 12	0 12	21 18	2 2	1 57	1 46	28 21	4 6	5 29					
W31	5n37	0n56	0s12	7s 1	2s23	6n45	1n24	17s 8	0s56	1s24	1s39	22s43	0n45	7n19	0s38	17n11	0n12	21n18	2s 2	1s57	1s47	28n20	4s 7	5n29					

ASTRODIENST EPHEMERIS for the year 1429
geocentric

SEPTEMBER 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 14 37	16 ¹⁷ 47'08	10 ¹⁹ 19	13 ¹⁰ 10	17 ¹⁷ 28	15 ¹¹ 13	0°R 9	26 ²⁷ 6	20°R10	12 ¹² 55	7 ¹⁵ 15	25 ¹¹ 6	25 ¹¹ 28	7 ¹⁵ 33	6°R17	T 1
F 2	23 18 33	17°45'46	23°39	14° 9	18°42	15°54	0°Y 1	26° 7	20°Y 8	12°57	7°16	25° 6	25°24	7°40	6°14	F 2
S 3	23 22 30	18°44'26	7 ¹¹ 12	15° 5	19°57	16°35	29 ¹¹ 54	26° 8	20° 6	12°59	7°16	25° 7	25°21	7°46	6°12	S 3
S 4	23 26 26	19°43'07	20°57	15°59	21°12	17°16	29°46	26° 9	20° 4	13° 1	7°17	25° 7	25°18	7°53	6° 9	S 4
M 5	23 30 23	20°41'51	4 ¹⁷ 53	16°49	22°27	17°58	29°38	26°11	20° 2	13° 3	7°17	25° 8	25°15	8° 0	6° 6	M 5
T 6	23 34 19	21°40'36	18°58	17°36	23°41	18°39	29°30	26°12	20° 0	13° 5	7°18	25°R 8	25°12	8° 6	6° 3	T 6
W 7	23 38 16	22°39'23	3 ¹³ 11	18°19	24°56	19°21	29°22	26°14	19°58	13° 6	7°18	25° 8	25° 9	8°13	6° 1	W 7
T 8	23 42 12	23°38'11	17°30	18°58	26°11	20° 2	29°14	26°15	19°55	13° 8	7°19	25° 8	25° 5	8°20	5°58	T 8
F 9	23 46 9	24°37'01	1 ¹⁸ 50	19°33	27°26	20°44	29° 6	26°17	19°53	13°10	7°19	25° 8	25° 2	8°27	5°55	F 9
S 10	23 50 6	25°35'53	16°10	20° 3	28°41	21°26	28°58	26°19	19°51	13°12	7°20	25°D 8	24°59	8°33	5°53	S 10
S 11	23 54 2	26°34'47	0 ¹¹ 24	20°29	29°56	22° 8	28°50	26°21	19°49	13°13	7°20	25° 8	24°56	8°40	5°50	S 11
M12	23 57 59	27°33'43	14°28	20°49	1 ¹⁸ 10	22°50	28°42	26°22	19°47	13°15	7°21	25° 8	24°53	8°47	5°47	M12
T 13	0 1 55	28°32'40	28°18	21° 3	2°25	23°32	28°34	26°25	19°45	13°17	7°21	25°R 8	24°50	8°54	5°45	T 13
W14	0 5 52	29°31'40	11°Y52	21°11	3°40	24°14	28°26	26°27	19°42	13°19	7°22	25° 8	24°46	9° 0	5°42	W14
T 15	0 9 48	0 ¹⁸ 30'41	25° 8	21°R12	4°55	24°57	28°18	26°29	19°40	13°20	7°22	25° 7	24°43	9° 7	5°40	T 15
F 16	0 13 45	1°29'45	8 ¹⁸ 4	21° 6	6°10	25°39	28°10	26°31	19°38	13°22	7°22	25° 7	24°40	9°14	5°37	F 16
S 17	0 17 41	2°28'51	20°42	20°53	7°25	26°21	28° 2	26°34	19°35	13°23	7°23	25° 6	24°37	9°20	5°35	S 17
S 18	0 21 38	3°28'00	3 ¹¹ 3	20°32	8°40	27° 4	27°54	26°36	19°33	13°25	7°23	25° 5	24°34	9°27	5°32	S 18
M19	0 25 35	4°27'11	15°11	20° 3	9°55	27°47	27°46	26°39	19°31	13°27	7°23	25° 4	24°30	9°34	5°30	M19
T 20	0 29 31	5°26'24	27° 9	19°26	11°10	28°29	27°38	26°41	19°28	13°28	7°23	25° 3	24°27	9°41	5°27	T 20
W21	0 33 28	6°25'40	9 ¹⁸ 3	18°42	12°24	29°12	27°30	26°44	19°26	13°30	7°24	25°D 3	24°24	9°47	5°25	W21
T 22	0 37 24	7°24'58	20°56	17°50	13°39	29°55	27°22	26°47	19°24	13°31	7°24	25° 3	24°21	9°54	5°23	T 22
F 23	0 41 21	8°24'18	2 ¹² 53	16°51	14°54	0 ¹⁷ 38	27°15	26°50	19°21	13°33	7°24	25° 4	24°18	10° 1	5°20	F 23
S 24	0 45 17	9°23'40	14°59	15°46	16° 9	1°21	27° 7	26°53	19°19	13°34	7°24	25° 6	24°15	10° 7	5°18	S 24
S 25	0 49 14	10°23'05	27°18	14°38	17°24	2° 4	26°59	26°56	19°17	13°35	7°24	25° 7	24°11	10°14	5°16	S 25
M26	0 53 10	11°22'32	9 ¹⁷ 52	13°26	18°39	2°48	26°52	26°59	19°14	13°37	7°24	25° 8	24° 8	10°21	5°14	M26
T 27	0 57 7	12°22'01	22°45	12°13	19°54	3°31	26°44	27° 3	19°12	13°38	7°24	25°R 9	24° 5	10°28	5°12	T 27
W28	1 1 4	13°21'32	5 ¹⁸ 57	11° 2	21° 9	4°14	26°37	27° 6	19° 9	13°39	7°24	25° 8	24° 2	10°34	5°10	W28
T 29	1 5 0	14°21'06	19°28	9°53	22°24	4°58	26°29	27°10	19° 7	13°41	7°R24	25° 7	23°59	10°41	5° 8	T 29
F 30	1 8 57	15 ¹⁸ 20'41	3 ¹¹ 15	8 ¹⁸ 50	23 ¹⁸ 39	5 ¹⁷ 42	26 ¹¹ 22	27 ¹⁷ 13	19°Y 4	13 ¹² 42	7 ¹⁵ 24	25 ¹¹ 5	23 ¹¹ 55	10 ¹² 48	5 ¹¹ 6	F 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	5n14	5s22	1s23	7s32	2s31	6n16	1n24	17s21	0s56	1s27	1s39	22s43	0n45	7n19	0s38	17n11
F 2	4 51	11 34	2 32	8 2	2 39	5 46	1 24	17 33	0 57	1 30	1 39	22 43	0 45	7 18	0 38	17 10
S 3	4 28	17 18	3 33	8 31	2 46	5 16	1 24	17 46	0 57	1 34	1 39	22 43	0 44	7 17	0 38	17 10
S 4	4 5	22 16	4 22	8 58	2 53	4 46	1 23	17 58	0 58	1 37	1 39	22 43	0 44	7 16	0 38	17 9
M 5	3 42	26 3	4 57	9 24	3 0	4 16	1 23	18 10	0 58	1 40	1 39	22 44	0 44	7 16	0 38	17 9
T 6	3 19	28 17	5 15	9 48	3 7	3 46	1 22	18 22	0 59	1 43	1 39	22 44	0 44	7 15	0 38	17 8
W 7	2 55	28 42	5 14	10 10	3 13	3 16	1 22	18 34	0 59	1 46	1 39	22 44	0 44	7 14	0 38	17 8
T 8	2 32	27 13	4 53	10 31	3 19	2 45	1 21	18 46	1 0	1 50	1 40	22 44	0 44	7 13	0 38	17 7
F 9	2 9	23 56	4 14	10 49	3 24	2 15	1 20	18 58	1 0	1 53	1 40	22 44	0 43	7 13	0 38	17 7
S 10	1 45	19 13	3 20	11 4	3 28	1 44	1 19	19 9	1 1	1 56	1 40	22 45	0 43	7 12	0 38	17 6
S 11	1 22	13 26	2 13	11 18	3 32	1 14	1 19	19 21	1 1	1 59	1 40	22 45	0 43	7 11	0 38	17 6
M12	0 58	7 2	0 59	11 28	3 35	0 43	1 18	19 32	1 2	2 3	1 40	22 45	0 43	7 10	0 38	17 5
T 13	0 35	0 24	0n18	11 36	3 38	0 12	1 17	19 43	1 2	2 6	1 40	22 45	0 43	7 9	0 38	17 5
W14	0 11	6n 7	1 31	11 40	3 39	0s18	1 16	19 54	1 3	2 9	1 40	22 45	0 43	7 8	0 38	17 4
T 15	0s12	12 13	2 39	11 41	3 39	0 49	1 14	20 5	1 3	2 12	1 40	22 46	0 43	7 7	0 38	17 4
F 16	0 36	17 39	3 36	11 38	3 39	1 20	1 13	20 16	1 4	2 15	1 40	22 46	0 42	7 7	0 38	17 3
S 17	0 59	22 11	4 21	11 31	3 36	1 51	1 12	20 26	1 4	2 19	1 40	22 46	0 42	7 6	0 38	17 3
S 18	1 23	25 38	4 53	11 20	3 33	2 22	1 11	20 37	1 5	2 22	1 40	22 46	0 42	7 5	0 38	17 2
M19	1 47	27 51	5 12	11 4	3 27	2 52	1 10	20 47	1 5	2 25	1 40	22 46	0 42	7 4	0 38	17 2
T 20	2 10	28 45	5 16	10 43	3 21	3 23	1 8	20 57	1 5	2 28	1 40	22 47	0 42	7 3	0 38	17 2
W21	2 34	28 19	5 7	10 18	3 12	3 54	1 7	21 7	1 6	2 31	1 40	22 47	0 42	7 2	0 38	17 1
T 22	2 57	26 34	4 45	9 48	3 1	4 24	1 5	21 17	1 6	2 34	1 39	22 47	0 42	7 1	0 38	17 1
F 23	3 21	23 38	4 10	9 14	2 49	4 55	1 4	21 26	1 7	2 37	1 39	22 47	0 41	7 0	0 38	17 0
S 24	3 44	19 38	3 24	8 36	2 34	5 25	1 2	21 35	1 7	2 40	1 39	22 47	0 41	6 59	0 38	17 0
S 25	4 7	14 46	2 28	7 54	2 18	5 55	1 0	21 45	1 7	2 43	1 39	22 48	0 41	6 59	0 38	17 0
M26	4 31	9 11	1 23	7 10	2 1	6 26	0 59	21 54	1 8	2 46	1 39	22 48	0 41	6 58	0 38	16 59
T 27	4 54	3 5	0 13	6 24	1 42	6 56	0 57	22 2	1 8	2 49	1 39	22 48	0 41	6 57	0 38	16 59
W28	5 17	3s17	0s59	5 38	1 22	7 26	0 55	22 11	1 8	2 52	1 39	22 48	0 41	6 56	0 38	16 58
T 29	5 41	9 39	2 10	4 52	1 1	7 55	0 53	22 19	1 9	2 55	1 39	22 48	0 41	6 55	0 38	16 58
F 30	6s 4	15s41	3s15	4s 8	0s41	8s25	0n52	22s27	1s 9	2s57	1s39	22s49	0n41	6n54	0s38	16n58

Julian Day Number = 2243243.5, Delta T = 07m05s

Ecliptic obliquity = 23°30'58", Nutation = 0°00'02", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°47'02", Lahiri = 15°54'02" Julian Calendar 1 Sept. 1429 == Greg. Calendar 10 Sept. 1429

ASTRODIENST EPHEMERIS for the year 1429
geocentric

OCTOBER 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 12 53	16♂20°18	17♂16	7°R54	24♂54	6♂25	26°R15	27♂17	19°R 2	13♂43	7°R24	25°R 2	23♂52	10♂54	5°R 4	S 1
S 2	1 16 50	17°19'58	1♂27	7♂ 7	26° 9	7° 9	26♂ 8	27°21	18♂59	13°44	7♂24	24♂59	23°49	11° 1	5♂ 2	S 2
M 3	1 20 46	18°19'39	15°43	6°29	27°24	7°53	26° 1	27°24	18°57	13°46	7°24	24°56	23°46	11° 8	5° 0	M 3
T 4	1 24 43	19°19'22	29°59	6° 2	28°39	8°37	25°54	27°28	18°55	13°47	7°24	24°54	23°43	11°15	4°58	T 4
W 5	1 28 39	20°19'07	14♂15	5°47	29°54	9°21	25°48	27°32	18°52	13°48	7°24	24°D52	23°40	11°21	4°56	W 5
T 6	1 32 36	21°18'53	28°25	5°D42	1♂ 9	10° 5	25°41	27°36	18°50	13°49	7°24	24°53	23°36	11°28	4°54	T 6
F 7	1 36 33	22°18'41	12♂28	5°49	2°24	10°49	25°35	27°40	18°47	13°50	7°24	24°54	23°33	11°35	4°53	F 7
S 8	1 40 29	23°18'31	26°24	6° 7	3°39	11°33	25°29	27°45	18°45	13°51	7°24	24°55	23°30	11°41	4°51	S 8
S 9	1 44 26	24°18'22	10♂10	6°34	4°54	12°17	25°22	27°49	18°42	13°52	7°23	24°56	23°27	11°48	4°49	S 9
M10	1 48 22	25°18'16	23°46	7°11	6° 9	13° 2	25°16	27°53	18°40	13°53	7°23	24°R57	23°24	11°55	4°48	M10
T 11	1 52 19	26°18'10	7♂11	7°57	7°24	13°46	25°11	27°58	18°37	13°54	7°23	24°57	23°21	12° 2	4°46	T 11
W12	1 56 15	27°18'07	20°24	8°50	8°39	14°31	25° 5	28° 2	18°35	13°55	7°23	24°54	23°17	12° 8	4°45	W12
T 13	2 0 12	28°18'06	3♂23	9°50	9°54	15°15	24°59	28° 7	18°33	13°56	7°22	24°50	23°14	12°15	4°44	T 13
F 14	2 4 8	29°18'06	16° 9	10°56	11° 9	16° 0	24°54	28°11	18°30	13°57	7°22	24°45	23°11	12°22	4°42	F 14
S 15	2 8 5	0♂18'09	28°40	12° 7	12°24	16°44	24°49	28°16	18°28	13°57	7°21	24°39	23° 8	12°28	4°41	S 15
S 16	2 12 1	1°18'14	10♂58	13°23	13°39	17°29	24°44	28°21	18°25	13°58	7°21	24°32	23° 5	12°35	4°40	S 16
M17	2 15 58	2°18'20	23° 4	14°42	14°54	18°14	24°39	28°26	18°23	13°59	7°21	24°26	23° 1	12°42	4°38	M17
T 18	2 19 55	3°18'29	5♂ 2	16° 5	16° 9	18°59	24°34	28°31	18°21	14° 0	7°20	24°21	22°58	12°49	4°37	T 18
W19	2 23 51	4°18'40	16°54	17°30	17°24	19°44	24°30	28°36	18°18	14° 0	7°20	24°17	22°55	12°55	4°36	W19
T 20	2 27 48	5°18'53	28°46	18°58	18°39	20°29	24°26	28°41	18°16	14° 1	7°19	24°15	22°52	13° 2	4°35	T 20
F 21	2 31 44	6°19'08	10♂41	20°27	19°54	21°14	24°21	28°46	18°14	14° 2	7°19	24°D15	22°49	13° 9	4°34	F 21
S 22	2 35 41	7°19'25	22°45	21°58	21° 9	21°59	24°17	28°51	18°12	14° 2	7°18	24°16	22°46	13°15	4°33	S 22
S 23	2 39 37	8°19'44	5♂ 3	23°30	22°25	22°44	24°14	28°56	18° 9	14° 3	7°18	24°18	22°42	13°22	4°32	S 23
M24	2 43 34	9°20'05	17°39	25° 4	23°40	23°30	24°10	29° 2	18° 7	14° 3	7°17	24°R19	22°39	13°29	4°32	M24
T 25	2 47 30	10°20'28	0♂38	26°38	24°55	24°15	24° 7	29° 7	18° 5	14° 4	7°17	24°19	22°36	13°36	4°31	T 25
W26	2 51 27	11°20'53	14° 1	28°12	26°10	25° 0	24° 4	29°13	18° 3	14° 4	7°16	24°17	22°33	13°42	4°30	W26
T 27	2 55 24	12°21'19	27°50	29°47	27°25	25°46	24° 1	29°18	18° 0	14° 5	7°15	24°13	22°30	13°49	4°30	T 27
F 28	2 59 20	13°21'48	12♂ 1	1♂23	28°40	26°31	23°58	29°24	17°58	14° 5	7°15	24° 7	22°27	13°56	4°29	F 28
S 29	3 3 17	14°22'18	26°30	2°58	29°55	27°17	23°55	29°29	17°56	14° 5	7°14	23°59	22°23	14° 2	4°29	S 29
S 30	3 7 13	15°22'49	11♂10	4°34	1♂10	28° 2	23°53	29°35	17°54	14° 6	7°13	23°50	22°20	14° 9	4°28	S 30
M31	3 11 10	16♂23'23	25♂54	6♂10	2♂25	28♂48	23♂51	29♂41	17♂52	14♂ 6	7♂13	23♂42	22♂17	14♂16	4♂28	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	6s27	21s 1	4s 9	3s27	0s20	8s54	0n50	22s35	1s 9	3s 0	1s39	22s49	0n40	6n53	0s38	16n57	0n12	21n17	2s 1	1s59	2s26	27n58	4s41	5n23					
S 2	6 50	25 13	4 48	2 50	0 0	9 23	0 48	22 43	1 10	3 3	1 38	22 49	0 40	6 52	0 38	16 57	0 12	21 17	2 1	2 0	2 28	27 57	4 42	5 22					
M 3	7 12	27 53	5 10	2 18	0n18	9 52	0 46	22 51	1 10	3 5	1 38	22 49	0 40	6 51	0 38	16 57	0 12	21 17	2 1	2 1	2 29	27 57	4 43	5 22					
T 4	7 35	28 44	5 13	1 51	0 36	10 21	0 44	22 58	1 10	3 8	1 38	22 50	0 40	6 50	0 38	16 56	0 12	21 17	2 1	2 2	2 30	27 56	4 44	5 22					
W 5	7 58	27 39	4 56	1 30	0 52	10 50	0 42	23 5	1 11	3 11	1 38	22 50	0 40	6 49	0 38	16 56	0 12	21 17	2 1	2 3	2 32	27 55	4 45	5 21					
T 6	8 20	24 49	4 22	1 15	1 7	11 18	0 39	23 12	1 11	3 13	1 38	22 50	0 40	6 48	0 38	16 56	0 12	21 17	2 1	2 3	2 33	27 54	4 45	5 21					
F 7	8 43	20 30	3 32	1 6	1 20	11 46	0 37	23 19	1 11	3 15	1 38	22 50	0 40	6 47	0 38	16 55	0 12	21 17	2 1	2 2	2 34	27 53	4 46	5 21					
S 8	9 5	15 6	2 30	1 2	1 32	12 13	0 35	23 25	1 12	3 18	1 38	22 50	0 39	6 47	0 38	16 55	0 12	21 17	2 1	2 2	2 35	27 52	4 47	5 21					
S 9	9 27	9 1	1 20	1 4	1 41	12 41	0 33	23 32	1 12	3 20	1 37	22 51	0 39	6 46	0 38	16 55	0 12	21 17	2 1	2 1	2 37	27 51	4 48	5 20					
M10	9 49	2 35	0 6	1 11	1 50	13 8	0 31	23 38	1 12	3 22	1 37	22 51	0 39	6 45	0 38	16 55	0 12	21 17	2 1	2 1	2 38	27 50	4 49	5 20					
T 11	10 11	3n53	1n 6	1 23	1 56	13 35	0 28	23 43	1 12	3 24	1 37	22 51	0 39	6 44	0 38	16 54	0 12	21 17	2 1	2 1	2 39	27 49	4 50	5 20					
W12	10 33	10 4	2 14	1 39	2 1	14 1	0 26	23 49	1 13	3 26	1 37	22 51	0 39	6 43	0 38	16 54	0 12	21 18	2 1	2 2	2 40	27 49	4 51	5 19					
T 13	10 54	15 43	3 14	1 59	2 5	14 27	0 24	23 54	1 13	3 28	1 37	22 51	0 39	6 42	0 38	16 54	0 12	21 18	2 1	2 3	2 42	27 48	4 51	5 19					
F 14	11 16	20 36	4 3	2 23	2 8	14 53	0 22	23 59	1 13	3 30	1 36	22 52	0 39	6 41	0 38	16 54	0 12	21 18	2 1	2 6	2 43	27 47	4 52	5 19					
S 15	11 37	24 27	4 39	2 49	2 9	15 18	0 19	24 4	1 13	3 32	1 36	22 52	0 39	6 40	0 38	16 53	0 12	21 18	2 1	2 8	2 44	27 46	4 53	5 18					
S 16	11 58	27 8	5 1	3 18	2 10	15 43	0 17	24 9	1 13	3 34	1 36	22 52	0 38	6 39	0 38	16 53	0 13	21 18	2 1	2 11	2 45	27 45	4 54	5 18					
M17	12 19	28 29	5 10	3 49	2 9	16 8	0 14	24 13	1 14	3 36	1 36	22 52	0 38	6 38	0 38	16 53	0 13	21 18	2 1	2 13	2 47	27 44	4 54	5 18					
T 18	12 39	28 30	5 5	4 23	2 8	16 32	0 12	24 17	1 14	3 37	1 36	22 52	0 38	6 37	0 38	16 53	0 13	21 18	2 1	2 15	2 48	27 43	4 55	5 17					
W19	13 0	27 11	4 46	4 57	2 6	16 56	0 10	24 21	1 14	3 39	1 35	22 52	0 38	6 37	0 38	16 53	0 13	21 18	2 1	2 17	2 49	27 42	4 56	5 17					
T 20	13 20	24 39	4 16	5 33	2 3	17 19	0 7	24 24	1 14	3 41	1 35	22 53	0 38	6 36	0 38	16 53	0 13	21 18	2 1	2 17	2 50	27 41	4 56	5 17					
F 21	13 40	21 3	3 34	6 10	2 0	17 42	0 5	24 28	1 14	3 42	1 35	22 53	0 38	6 35	0 38	16 52	0 13	21 18	2 1	2 17	2 52	27 40	4 57	5 16					
S 22	14 0	16 32	2 42	6 48	1 56	18 4	0 2	24 31	1 14	3 43	1 35	22 53	0 38	6 34	0 38	16 52	0 13	21 18	2 1	2 17	2 53	27 39	4 58	5 16					
S 23	14 20	11 17	1 42	7 26	1 52	18 26	0s 0	24 34	1 15	3 45	1 34	22 53	0 38	6 33	0 38	16 52	0 13	21 18	2 1	2 16	2 54	27 38	4 58	5 16					
M24	14 39	5 27	0 36	8 4	1 47	18 48	0 3	24 36	1 15	3 46	1 34	22 53	0 37	6 32	0 38	16 52	0 13	21 18	2 1	2 16	2 55	27 37	4 59	5 15					
T 25	14 58	0s46	0s34	8 43	1 42	19 8	0 5	24 38	1 15	3 47	1 34	22 53	0 37	6 32	0 38	16 52	0 13	21 18	2 1	2 16	2 57	27 36	5 0	5 15					
W26	15 17	7 9	1 44	9 22	1 36	19 29	0 8	24 40	1 15	3 48	1 34	22 54	0 37	6 31	0 38	16 52	0 13	21 18	2 1	2 17	2 58	27 35	5 0	5 15					
T 27	15 36	13 23	2 50	10 1	1 30	19 49	0 10	24 42	1 15	3 49	1 33	22 54	0 37	6 30	0 38	16 52	0 13	21 18	2 1	2 18	2 59	27 34	5 1	5 14					
F 28	15 54	19 6	3 48	10 40	1 25	20 8	0 13	24 43	1 15	3 50	1 33	22 54	0 37	6 29	0 38	16 51	0 13	21 18	2 1	2 21	3 0	27 33	5 1	5 14					
S 29	16 12	23 50	4 32	11 19	1 18	20 27	0 15	24 45	1 15	3 51	1 33	22 54	0 37	6 28	0 38	16 51	0 13	21 18	2 1	2 24	3 2	27 32	5 2	5 14					
S 30	16 30	27 7	4 58	11 57	1 12	20 45	0 18	24 46	1 15	3 51	1 33	22 54	0 37	6 27	0 38	16 51	0 13	21 18	2 1	2 27	3 3	27 31	5 2	5 13					
M31	16s48	28s32	5s 6	12s35	1n 6	21s 3	0s20	24s46	1s16	3s52	1s32	22s54	0n37	6n27	0s38	16n51	0n13	21n18	2s 1	2s30	3s 4	27n30	5s 3	5n13					

ASTRODIENST EPHEMERIS for the year 1429
geocentric

NOVEMBER 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 15 6	17 ¹¹ 23'57	10 ³ 33	7 ¹¹ 46	3 ¹ 40	29 ¹ 34	23 ¹ R49	29 ¹ 46	17 ¹ R50	14 ¹ 6	7 ¹ R12	23 ¹ R36	22 ¹ 14	14 ¹ 23	4 ¹ R27	T 1
W 2	3 19 3	18 ¹ 24'33	25 ¹ 3	9 ¹ 22	4 ¹ 55	0 ¹ 20	23 ¹ 47	29 ¹ 52	17 ¹ 48	14 ¹ 6	7 ¹ 11	23 ¹ 31	22 ¹ 11	14 ¹ 29	4 ¹ 27	W 2
T 3	3 23 0	19 ¹ 25'10	9 ¹ 18	10 ¹ 57	6 ¹ 10	1 ¹ 5	23 ¹ 45	29 ¹ 58	17 ¹ 46	14 ¹ 7	7 ¹ 10	23 ¹ 29	22 ¹ 7	14 ¹ 36	4 ¹ 27	T 3
F 4	3 26 56	20 ¹ 25'48	23 ¹ 18	12 ¹ 33	7 ¹ 25	1 ¹ 51	23 ¹ 44	0 ¹ 3	17 ¹ 44	14 ¹ 7	7 ¹ 10	23 ¹ D28	22 ¹ 4	14 ¹ 43	4 ¹ 27	F 4
S 5	3 30 53	21 ¹ 26'27	7 ¹ 1	14 ¹ 9	8 ¹ 40	2 ¹ 37	23 ¹ 43	0 ¹ 10	17 ¹ 42	14 ¹ 7	7 ¹ 9	23 ¹ 29	22 ¹ 1	14 ¹ 49	4 ¹ 27	S 5
S 6	3 34 49	22 ¹ 27'08	20 ¹ 28	15 ¹ 44	9 ¹ 55	3 ¹ 23	23 ¹ 42	0 ¹ 16	17 ¹ 40	14 ¹ 7	7 ¹ 8	23 ¹ R29	21 ¹ 58	14 ¹ 56	4 ¹ D27	S 6
M 7	3 38 46	23 ¹ 27'49	3 ¹ 42	17 ¹ 19	11 ¹ 10	4 ¹ 9	23 ¹ 41	0 ¹ 22	17 ¹ 38	14 ¹ 7	7 ¹ 7	23 ¹ 29	21 ¹ 55	15 ¹ 3	4 ¹ 27	M 7
T 8	3 42 42	24 ¹ 28'31	16 ¹ 44	18 ¹ 54	12 ¹ 25	4 ¹ 55	23 ¹ 40	0 ¹ 28	17 ¹ 36	14 ¹ R 7	7 ¹ 6	23 ¹ 26	21 ¹ 52	15 ¹ 10	4 ¹ 27	T 8
W 9	3 46 39	25 ¹ 29'15	29 ¹ 34	20 ¹ 29	13 ¹ 40	5 ¹ 42	23 ¹ 40	0 ¹ 34	17 ¹ 35	14 ¹ 7	7 ¹ 5	23 ¹ 21	21 ¹ 48	15 ¹ 16	4 ¹ 27	W 9
T 10	3 50 35	26 ¹ 30'00	12 ¹ 14	22 ¹ 4	14 ¹ 55	6 ¹ 28	23 ¹ D40	0 ¹ 41	17 ¹ 33	14 ¹ 7	7 ¹ 5	23 ¹ 13	21 ¹ 45	15 ¹ 23	4 ¹ 27	T 10
F 11	3 54 32	27 ¹ 30'46	24 ¹ 43	23 ¹ 39	16 ¹ 10	7 ¹ 14	23 ¹ 40	0 ¹ 47	17 ¹ 31	14 ¹ 7	7 ¹ 4	23 ¹ 3	21 ¹ 42	15 ¹ 30	4 ¹ 27	F 11
S 12	3 58 29	28 ¹ 31'34	7 ¹ 11	25 ¹ 14	17 ¹ 25	8 ¹ 0	23 ¹ 40	0 ¹ 53	17 ¹ 29	14 ¹ 7	7 ¹ 3	22 ¹ 50	21 ¹ 39	15 ¹ 36	4 ¹ 27	S 12
S 13	4 2 25	29 ¹ 32'23	19 ¹ 14	26 ¹ 48	18 ¹ 39	8 ¹ 46	23 ¹ 41	1 ¹ 0	17 ¹ 28	14 ¹ 7	7 ¹ 2	22 ¹ 37	21 ¹ 36	15 ¹ 43	4 ¹ 28	S 13
M14	4 6 22	0 ¹ 33'13	1 ¹ 16	28 ¹ 23	19 ¹ 54	9 ¹ 33	23 ¹ 42	1 ¹ 6	17 ¹ 26	14 ¹ 6	7 ¹ 1	22 ¹ 25	21 ¹ 33	15 ¹ 50	4 ¹ 28	M14
T 15	4 10 18	1 ¹ 34'04	13 ¹ 11	29 ¹ 57	21 ¹ 9	10 ¹ 19	23 ¹ 42	1 ¹ 12	17 ¹ 25	14 ¹ 6	7 ¹ 0	22 ¹ 14	21 ¹ 29	15 ¹ 57	4 ¹ 29	T 15
W16	4 14 15	2 ¹ 34'57	25 ¹ 1	1 ¹ 31	22 ¹ 24	11 ¹ 6	23 ¹ 44	1 ¹ 19	17 ¹ 23	14 ¹ 6	6 ¹ 59	22 ¹ 5	21 ¹ 26	16 ¹ 3	4 ¹ 29	W16
T 17	4 18 11	3 ¹ 35'51	6 ¹ 11	3 ¹ 6	23 ¹ 39	11 ¹ 52	23 ¹ 45	1 ¹ 25	17 ¹ 22	14 ¹ 6	6 ¹ 58	21 ¹ 59	21 ¹ 23	16 ¹ 10	4 ¹ 30	T 17
F 18	4 22 8	4 ¹ 36'46	18 ¹ 43	4 ¹ 40	24 ¹ 54	12 ¹ 39	23 ¹ 46	1 ¹ 32	17 ¹ 20	14 ¹ 5	6 ¹ 57	21 ¹ 55	21 ¹ 20	16 ¹ 17	4 ¹ 31	F 18
S 19	4 26 4	5 ¹ 37'43	0 ¹ 14	6 ¹ 14	26 ¹ 9	13 ¹ 25	23 ¹ 48	1 ¹ 38	17 ¹ 19	14 ¹ 5	6 ¹ 56	21 ¹ 54	21 ¹ 17	16 ¹ 23	4 ¹ 31	S 19
S 20	4 30 1	6 ¹ 38'41	12 ¹ 57	7 ¹ 48	27 ¹ 24	14 ¹ 12	23 ¹ 50	1 ¹ 45	17 ¹ 17	14 ¹ 4	6 ¹ 55	21 ¹ D54	21 ¹ 13	16 ¹ 30	4 ¹ 32	S 20
M21	4 33 58	7 ¹ 39'40	25 ¹ 29	9 ¹ 23	28 ¹ 39	14 ¹ 58	23 ¹ 52	1 ¹ 52	17 ¹ 16	14 ¹ 4	6 ¹ 54	21 ¹ R54	21 ¹ 10	16 ¹ 37	4 ¹ 33	M21
T 22	4 37 54	8 ¹ 40'40	8 ¹ 25	10 ¹ 57	29 ¹ 54	15 ¹ 45	23 ¹ 55	1 ¹ 58	17 ¹ 15	14 ¹ 3	6 ¹ 53	21 ¹ 53	21 ¹ 7	16 ¹ 44	4 ¹ 34	T 22
W23	4 41 51	9 ¹ 41'41	21 ¹ 48	12 ¹ 31	1 ¹ 3	16 ¹ 32	23 ¹ 57	2 ¹ 5	17 ¹ 14	14 ¹ 3	6 ¹ 52	21 ¹ 50	21 ¹ 4	16 ¹ 50	4 ¹ 35	W23
T 24	4 45 47	10 ¹ 42'44	5 ¹ 14	14 ¹ 6	2 ¹ 23	17 ¹ 18	24 ¹ 0	2 ¹ 12	17 ¹ 12	14 ¹ 2	6 ¹ 50	21 ¹ 44	21 ¹ 1	16 ¹ 57	4 ¹ 36	T 24
F 25	4 49 44	11 ¹ 43'47	20 ¹ 2	15 ¹ 40	3 ¹ 38	18 ¹ 5	24 ¹ 3	2 ¹ 19	17 ¹ 11	14 ¹ 2	6 ¹ 49	21 ¹ 36	20 ¹ 58	17 ¹ 4	4 ¹ 37	F 25
S 26	4 53 40	12 ¹ 44'52	4 ¹ 47	17 ¹ 15	4 ¹ 53	18 ¹ 52	24 ¹ 6	2 ¹ 25	17 ¹ 10	14 ¹ 1	6 ¹ 48	21 ¹ 25	20 ¹ 54	17 ¹ 10	4 ¹ 38	S 26
S 27	4 57 37	13 ¹ 45'57	19 ¹ 50	18 ¹ 49	6 ¹ 8	19 ¹ 39	24 ¹ 9	2 ¹ 32	17 ¹ 9	14 ¹ 1	6 ¹ 47	21 ¹ 13	20 ¹ 51	17 ¹ 17	4 ¹ 39	S 27
M28	5 1 33	14 ¹ 47'03	4 ¹ 38	20 ¹ 24	7 ¹ 23	20 ¹ 26	24 ¹ 13	2 ¹ 39	17 ¹ 8	14 ¹ 0	6 ¹ 46	21 ¹ 1	20 ¹ 48	17 ¹ 24	4 ¹ 40	M28
T 29	5 5 30	15 ¹ 48'10	20 ¹ 3	21 ¹ 59	8 ¹ 38	21 ¹ 12	24 ¹ 17	2 ¹ 46	17 ¹ 7	13 ¹ 59	6 ¹ 45	20 ¹ 51	20 ¹ 45	17 ¹ 31	4 ¹ 42	T 29
W30	5 9 27	16 ¹ 49'17	4 ¹ 55	23 ¹ 34	9 ¹ 53	21 ¹ 39	24 ¹ 21	2 ¹ 53	17 ¹ 6	13 ¹ 59	6 ¹ 44	20 ¹ 44	20 ¹ 42	17 ¹ 37	4 ¹ 43	W30

Day	☉	☾		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1429
geocentric

DECEMBER 1429 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 13 23	17°50'25	19°27	25°9	11°3	22°46	24°25	3°0	17°R 5	13°R58	6°R42	20°R39	20°H39	17°544	4°H44	T 1
F 2	5 17 20	18°51'32	3°H36	26°44	12°22	23°33	24°29	3°7	17°Y 5	13°L57	6°541	20°H37	20°35	17°51	4°46	F 2
S 3	5 21 16	19°52'40	17°20	28°20	13°37	24°20	24°33	3°13	17°4	13°56	6°40	20°37	20°32	17°57	4°47	S 3
S 4	5 25 13	20°53'48	0°Y43	29°55	14°52	25°7	24°38	3°20	17°3	13°55	6°39	20°37	20°29	18°4	4°49	S 4
M 5	5 29 9	21°54'56	13°46	1°31	16°7	25°54	24°43	3°27	17°2	13°54	6°38	20°36	20°26	18°11	4°51	M 5
T 6	5 33 6	22°56'05	26°34	3°6	17°21	26°41	24°48	3°34	17°2	13°54	6°37	20°32	20°23	18°17	4°52	T 6
W 7	5 37 2	23°57'13	9°8	4°42	18°36	27°28	24°53	3°41	17°1	13°53	6°35	20°26	20°19	18°24	4°54	W 7
T 8	5 40 59	24°58'22	21°31	6°17	19°51	28°15	24°59	3°48	17°1	13°52	6°34	20°17	20°16	18°31	4°56	T 8
F 9	5 44 56	25°59'31	3°H46	7°53	21°5	29°3	25°4	3°55	17°0	13°51	6°33	20°5	20°13	18°38	4°58	F 9
S 10	5 48 52	27°0'40	15°53	9°28	22°20	29°50	25°10	4°2	17°0	13°50	6°32	19°50	20°10	18°44	5°0	S 10
S 11	5 52 49	28°1'49	27°55	11°3	23°35	0°37	25°16	4°9	17°0	13°49	6°30	19°35	20°7	18°51	5°1	S 11
M12	5 56 45	29°2'59	9°51	12°38	24°49	1°24	25°22	4°16	16°59	13°48	6°29	19°21	20°4	18°58	5°3	M12
T 13	6 0 42	0°3'408	21°43	14°13	26°4	2°11	25°29	4°24	16°59	13°46	6°28	19°8	20°0	19°4	5°6	T 13
W14	6 4 38	1°5'18	3°L33	15°47	27°19	2°58	25°35	4°31	16°59	13°45	6°27	18°57	19°57	19°11	5°8	W14
T 15	6 8 35	2°6'28	15°23	17°20	28°33	3°45	25°42	4°38	16°59	13°44	6°25	18°50	19°54	19°18	5°10	T 15
F 16	6 12 32	3°7'39	27°16	18°52	29°48	4°33	25°48	4°45	16°59	13°43	6°24	18°45	19°51	19°25	5°12	F 16
S 17	6 16 28	4°8'49	9°H16	20°24	1°22	5°20	25°55	4°52	16°D59	13°42	6°23	18°43	19°48	19°31	5°14	S 17
S 18	6 20 25	5°10'00	21°27	21°54	2°17	6°7	26°2	4°59	16°59	13°41	6°22	18°D43	19°45	19°38	5°16	S 18
M19	6 24 21	6°11'11	3°L55	23°22	3°31	6°54	26°10	5°6	16°59	13°39	6°20	18°R43	19°41	19°45	5°19	M19
T 20	6 28 18	7°12'22	16°44	24°49	4°46	7°42	26°17	5°13	16°59	13°38	6°19	18°43	19°38	19°51	5°21	T 20
W21	6 32 14	8°13'33	29°59	26°13	6°0	8°29	26°25	5°20	16°59	13°37	6°18	18°41	19°35	19°58	5°24	W21
T 22	6 36 11	9°14'44	13°H44	27°34	7°14	9°16	26°33	5°27	16°59	13°36	6°17	18°36	19°32	20°5	5°26	T 22
F 23	6 40 7	10°15'56	28°0	28°52	8°29	10°3	26°40	5°34	16°59	13°34	6°15	18°29	19°29	20°11	5°29	F 23
S 24	6 44 4	11°17'07	12°H43	0°5	9°43	10°51	26°49	5°41	17°0	13°33	6°14	18°20	19°25	20°18	5°31	S 24
S 25	6 48 1	12°18'19	27°49	1°15	10°58	11°38	26°57	5°48	17°0	13°31	6°13	18°10	19°22	20°25	5°34	S 25
M26	6 51 57	13°19'30	13°3	2°19	12°12	12°25	27°5	5°55	17°0	13°30	6°12	18°0	19°19	20°32	5°36	M26
T 27	6 55 54	14°20'40	28°26	3°16	13°26	13°12	27°14	6°2	17°1	13°29	6°10	17°51	19°16	20°38	5°39	T 27
W28	6 59 50	15°21'51	13°H36	4°7	14°40	14°0	27°22	6°9	17°1	13°27	6°9	17°44	19°13	20°45	5°42	W28
T 29	7 3 47	16°23'00	28°26	4°50	15°55	14°47	27°31	6°16	17°2	13°26	6°8	17°40	19°10	20°52	5°45	T 29
F 30	7 7 43	17°24'09	12°H50	5°24	17°9	15°34	27°40	6°23	17°3	13°24	6°7	17°D38	19°6	20°58	5°47	F 30
S 31	7 11 40	18°25'17	26°H48	5°48	18°23	16°22	27°H49	6°30	17°Y 3	13°L23	6°5	17°H38	19°H 3	21°5	5°H50	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s57	17s31	2s36	25s21	1s56	24s29	1s26	22s48	1s14	3s30	1s24	22s55	0n34	6n10	0s37	16n54
F 2	23 3	11 36	1 29	25 27	1 59	24 23	1 27	22 40	1 14	3 28	1 23	22 55	0 34	6 9	0 37	16 54
S 3	23 8	5 17	0 17	25 32	2 2	24 17	1 29	22 32	1 14	3 26	1 23	22 55	0 34	6 9	0 37	16 55
S 4	23 12	1n 6	0n53	25 35	2 4	24 11	1 30	22 23	1 14	3 24	1 23	22 55	0 33	6 9	0 37	16 55
M 5	23 16	7 17	1 59	25 37	2 6	24 3	1 31	22 14	1 14	3 22	1 22	22 55	0 33	6 9	0 37	16 55
T 6	23 20	13 2	2 57	25 37	2 8	23 55	1 33	22 5	1 13	3 20	1 22	22 55	0 33	6 9	0 37	16 55
W 7	23 23	18 9	3 46	25 35	2 10	23 46	1 34	21 56	1 13	3 17	1 22	22 55	0 33	6 8	0 37	16 56
T 8	23 25	22 26	4 23	25 32	2 11	23 36	1 35	21 46	1 13	3 15	1 22	22 55	0 33	6 8	0 37	16 56
F 9	23 27	25 40	4 47	25 28	2 11	23 26	1 36	21 36	1 13	3 12	1 21	22 54	0 33	6 8	0 37	16 56
S 10	23 29	27 43	4 59	25 21	2 11	23 15	1 37	21 26	1 13	3 10	1 21	22 54	0 33	6 8	0 37	16 57
S 11	23 30	28 26	4 56	25 14	2 11	23 3	1 38	21 16	1 12	3 7	1 21	22 54	0 33	6 8	0 37	16 57
M12	23 31	27 49	4 41	25 4	2 10	22 51	1 39	21 5	1 12	3 5	1 21	22 54	0 33	6 8	0 37	16 57
T 13	23 31	25 55	4 13	24 53	2 8	22 38	1 39	20 54	1 12	3 2	1 20	22 54	0 33	6 8	0 37	16 58
W14	23 31	22 54	3 35	24 40	2 6	22 24	1 40	20 43	1 12	2 59	1 20	22 54	0 33	6 8	0 37	16 58
T 15	23 30	18 55	2 47	24 26	2 4	22 10	1 41	20 32	1 11	2 56	1 20	22 53	0 33	6 8	0 37	16 58
F 16	23 29	14 12	1 51	24 10	2 0	21 54	1 41	20 20	1 11	2 53	1 20	22 53	0 33	6 8	0 37	16 59
S 17	23 27	8 54	0 50	23 53	1 56	21 39	1 42	20 8	1 11	2 50	1 19	22 53	0 32	6 8	0 37	16 59
S 18	23 25	3 11	0s15	23 34	1 52	21 22	1 42	19 56	1 11	2 47	1 19	22 53	0 32	6 8	0 37	16 59
M19	23 22	2s47	1 20	23 14	1 46	21 5	1 42	19 44	1 10	2 44	1 19	22 53	0 32	6 8	0 36	17 0
T 20	23 19	8 48	2 23	22 52	1 40	20 48	1 43	19 32	1 10	2 41	1 18	22 53	0 32	6 8	0 36	17 0
W21	23 16	14 38	3 21	22 29	1 33	20 30	1 43	19 19	1 10	2 38	1 18	22 52	0 32	6 8	0 36	17 1
T 22	23 12	19 58	4 9	22 6	1 24	20 11	1 43	19 6	1 9	2 34	1 18	22 52	0 32	6 8	0 36	17 1
F 23	23 7	24 23	4 44	21 41	1 15	19 51	1 43	18 53	1 9	2 31	1 18	22 52	0 32	6 8	0 36	17 1
S 24	23 2	27 22	5 1	21 16	1 5	19 32	1 43	18 40	1 9	2 27	1 18	22 52	0 32	6 8	0 36	17 2
S 25	22 57	28 28	4 58	20 50	0 54	19 11	1 43	18 27	1 8	2 24	1 17	22 51	0 32	6 8	0 36	17 2
M26	22 51	27 25	4 34	20 24	0 42	18 50	1 43	18 13	1 8	2 20	1 17	22 51	0 32	6 9	0 36	17 3
T 27	22 44	24 18	3 51	19 58	0 29	18 29	1 42	17 59	1 8	2 17	1 17	22 51	0 32	6 9	0 36	17 3
W28	22 38	19 31	2 51	19 32	0 15	18 6	1 42	17 45	1 7	2 13	1 17	22 51	0 32	6 9	0 36	17 3
T 29	22 30	13 38	1 41	19 7	0n 0	17 44	1 42	17 31	1 7	2 9	1 16	22 50	0 32	6 9	0 36	17 4
F 30	22 23	7 9	0 26	18 43	0 16	17 21	1 41	17 17	1 7	2 6	1 16	22 50	0 32	6 10	0 36	17 4
S 31	22s15	0s32	0n49	18s21	0n33	16s57	1s40	17s 2	1s 6	2s 2	1s16	22s50	0n32	6n10	0s36	17n 5

Julian Day Number = 2243334.5, Delta T = 07m04s
Ecliptic obliquity = 23°30'57", Nutation = 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°47'14", Lahiri = 15°54'15" Julian Calendar 1 Dec. 1429 == Greg. Calendar 10 Dec. 1429