



Astrodienst Ephemeris Tables for the year 1421

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 1421
geocentric

JANUARY 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	7 16 19	19°37'34	6°33'	15°59'	6°0'	22°34'	8°19'	29°14'	12°6'	22°53'	25°38'	11°35'	13°4'	15°0'	23°43'	W 1
T 2	7 20 15	20°38'41	21°27'	17°37'	6°44'	23°6'	8°12'	29°14'	12°8'	22°51'	25°36'	11°27'	13°0'	15°7'	23°48'	T 2
F 3	7 24 12	21°39'47	6°39'	19°17'	7°30'	23°39'	8°4'	29°14'	12°10'	22°50'	25°35'	11°19'	12°57'	15°13'	23°53'	F 3
S 4	7 28 8	22°40'54	21°58'	20°56'	8°16'	24°11'	7°56'	29°13'	12°13'	22°48'	25°34'	11°12'	12°54'	15°20'	23°58'	S 4
S 5	7 32 5	23°41'59	7°13'	22°37'	9°3'	24°44'	7°49'	29°13'	12°15'	22°46'	25°33'	11°6'	12°51'	15°27'	24°3'	S 5
M 6	7 36 1	24°43'03	22°14'	24°18'	9°52'	25°16'	7°41'	29°12'	12°18'	22°44'	25°32'	11°2'	12°48'	15°34'	24°8'	M 6
T 7	7 39 58	25°44'07	6°53'	25°59'	10°40'	25°49'	7°34'	29°11'	12°21'	22°43'	25°31'	11°D 0	12°45'	15°40'	24°13'	T 7
W 8	7 43 54	26°45'09	21°4'	27°41'	11°30'	26°22'	7°26'	29°10'	12°23'	22°41'	25°30'	11°1'	12°41'	15°47'	24°18'	W 8
T 9	7 47 51	27°46'10	4°47'	29°24'	12°21'	26°55'	7°19'	29°9'	12°26'	22°39'	25°29'	11°2'	12°38'	15°54'	24°23'	T 9
F 10	7 51 48	28°47'10	18°4'	18°8'	13°12'	27°28'	7°12'	29°8'	12°29'	22°38'	25°28'	11°3'	12°35'	16°0'	24°29'	F 10
S 11	7 55 44	29°48'09	0°56'	2°51'	14°4'	28°1'	7°5'	29°7'	12°31'	22°36'	25°27'	11°R 4	12°32'	16°7'	24°34'	S 11
S 12	7 59 41	0°49'06	13°28'	4°36'	14°57'	28°34'	6°58'	29°6'	12°34'	22°34'	25°26'	11°3'	12°29'	16°14'	24°39'	S 12
M13	8 3 37	1°50'02	25°45'	6°21'	15°50'	29°8'	6°52'	29°4'	12°37'	22°33'	25°25'	11°0'	12°25'	16°20'	24°44'	M13
T 14	8 7 34	2°50'57	7°11'50	8°7'	16°44'	29°41'	6°45'	29°3'	12°40'	22°31'	25°24'	10°56'	12°22'	16°27'	24°49'	T 14
W15	8 11 30	3°51'51	19°48'	9°53'	17°39'	0°15'	6°39'	29°1'	12°42'	22°29'	25°23'	10°50'	12°19'	16°34'	24°54'	W15
T 16	8 15 27	4°52'44	1°40'	11°39'	18°34'	0°49'	6°32'	29°0'	12°45'	22°28'	25°23'	10°43'	12°16'	16°41'	24°59'	T 16
F 17	8 19 23	5°53'35	13°31'	13°26'	19°30'	1°23'	6°26'	28°58'	12°48'	22°26'	25°22'	10°36'	12°13'	16°47'	25°4'	F 17
S 18	8 23 20	6°54'25	25°22'	15°13'	20°26'	1°57'	6°20'	28°56'	12°51'	22°24'	25°21'	10°29'	12°10'	16°54'	25°9'	S 18
S 19	8 27 17	7°55'13	7°16'	17°0'	21°23'	2°31'	6°14'	28°54'	12°54'	22°23'	25°20'	10°24'	12°6'	17°1'	25°14'	S 19
M20	8 31 13	8°56'00	19°13'	18°48'	22°21'	3°5'	6°8'	28°52'	12°57'	22°21'	25°19'	10°21'	12°3'	17°7'	25°19'	M20
T 21	8 35 10	9°56'46	1°15'	20°35'	23°19'	3°39'	6°3'	28°50'	13°0'	22°20'	25°18'	10°19'	12°0'	17°14'	25°24'	T 21
W22	8 39 6	10°57'31	13°25'	22°21'	24°17'	4°13'	5°57'	28°47'	13°3'	22°18'	25°17'	10°D18	11°57'	17°21'	25°29'	W22
T 23	8 43 3	11°58'15	25°45'	24°7'	25°16'	4°47'	5°52'	28°45'	13°6'	22°16'	25°17'	10°19'	11°54'	17°27'	25°34'	T 23
F 24	8 46 59	12°58'57	8°17'	25°53'	26°15'	5°22'	5°47'	28°42'	13°9'	22°15'	25°16'	10°21'	11°51'	17°34'	25°39'	F 24
S 25	8 50 56	13°59'39	21°4'	27°37'	27°15'	5°56'	5°42'	28°40'	13°12'	22°13'	25°15'	10°22'	11°47'	17°41'	25°44'	S 25
S 26	8 54 52	15°0'19	4°10'	29°19'	28°15'	6°31'	5°37'	28°37'	13°15'	22°12'	25°14'	10°24'	11°44'	17°48'	25°48'	S 26
M27	8 58 49	16°0'58	17°36'	1°0'	29°16'	7°5'	5°32'	28°34'	13°18'	22°10'	25°14'	10°R24	11°41'	17°54'	25°53'	M27
T 28	9 2 46	17°1'36	1°26'	2°38'	0°17'	7°40'	5°28'	28°32'	13°22'	22°9'	25°13'	10°23'	11°38'	18°1'	25°58'	T 28
W29	9 6 42	18°2'13	15°39'	4°14'	1°18'	8°15'	5°23'	28°29'	13°25'	22°7'	25°12'	10°22'	11°35'	18°8'	26°3'	W29
T 30	9 10 39	19°2'48	0°14'	5°45'	2°20'	8°50'	5°19'	28°26'	13°28'	22°6'	25°12'	10°19'	11°31'	18°14'	26°8'	T 30
F 31	9 14 35	20°3'23	15°5'	7°13'	3°22'	9°25'	5°15'	28°22'	13°31'	22°5'	25°11'	10°16'	11°28'	18°21'	26°12'	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22s 4	16s27	5n 6	24s23	1s51	16s50	4n37	9n31	0n46	23n25	0n10	2n29	2n22	7s44	0s45	21n 9
T 2	21 55	18 13	5 2	24 13	1 54	16 58	4 36	9 44	0 47	23 26	0 10	2 29	2 23	7 43	0 45	21 10
F 3	21 46	18 43	4 38	24 2	1 56	17 6	4 35	9 57	0 48	23 26	0 10	2 30	2 23	7 42	0 45	21 10
S 4	21 36	17 53	3 53	23 50	1 58	17 15	4 34	10 9	0 48	23 27	0 10	2 30	2 23	7 41	0 45	21 10
S 5	21 26	15 45	2 52	23 35	2 0	17 23	4 32	10 22	0 49	23 27	0 11	2 31	2 24	7 40	0 45	21 11
M 6	21 15	12 34	1 40	23 19	2 2	17 32	4 31	10 35	0 50	23 28	0 11	2 31	2 24	7 39	0 45	21 11
T 7	21 4	8 40	0 22	23 2	2 3	17 40	4 29	10 48	0 51	23 29	0 11	2 32	2 24	7 38	0 45	21 11
W 8	20 52	4 23	0s54	22 43	2 4	17 49	4 27	11 1	0 52	23 29	0 11	2 32	2 24	7 37	0 45	21 11
T 9	20 40	0 0	2 5	22 22	2 4	17 58	4 25	11 13	0 53	23 30	0 11	2 33	2 25	7 36	0 45	21 12
F 10	20 28	4n13	3 7	21 59	2 4	18 6	4 23	11 26	0 54	23 30	0 11	2 34	2 25	7 35	0 45	21 12
S 11	20 15	8 7	3 58	21 35	2 4	18 15	4 20	11 39	0 54	23 31	0 11	2 34	2 25	7 34	0 45	21 12
S 12	20 2	11 33	4 35	21 9	2 3	18 23	4 18	11 51	0 55	23 31	0 11	2 35	2 26	7 33	0 45	21 13
M13	19 49	14 24	5 0	20 42	2 1	18 32	4 15	12 4	0 56	23 32	0 12	2 36	2 26	7 32	0 44	21 13
T 14	19 35	16 35	5 10	20 13	1 59	18 40	4 12	12 17	0 56	23 32	0 12	2 37	2 26	7 31	0 44	21 13
W15	19 21	18 1	5 7	19 42	1 57	18 48	4 9	12 29	0 57	23 32	0 12	2 38	2 26	7 30	0 44	21 14
T 16	19 6	18 40	4 50	19 10	1 54	18 56	4 6	12 42	0 58	23 33	0 12	2 39	2 27	7 29	0 44	21 14
F 17	18 51	18 30	4 21	18 36	1 50	19 3	4 3	12 54	0 59	23 33	0 12	2 40	2 27	7 27	0 44	21 14
S 18	18 36	17 30	3 41	18 0	1 46	19 11	4 0	13 7	0 59	23 34	0 12	2 41	2 27	7 26	0 44	21 14
S 19	18 21	15 45	2 51	17 23	1 41	19 18	3 56	13 19	1 0	23 34	0 12	2 42	2 27	7 25	0 44	21 15
M20	18 5	13 19	1 53	16 45	1 36	19 25	3 53	13 31	1 1	23 35	0 12	2 43	2 28	7 24	0 44	21 15
T 21	17 49	10 18	0 49	16 5	1 29	19 32	3 49	13 44	1 1	23 35	0 12	2 44	2 28	7 23	0 44	21 15
W22	17 32	6 48	0n17	15 24	1 23	19 38	3 45	13 56	1 2	23 35	0 13	2 45	2 28	7 22	0 44	21 15
T 23	17 15	2 59	1 24	14 42	1 15	19 44	3 42	14 8	1 2	23 36	0 13	2 46	2 28	7 20	0 44	21 16
F 24	16 58	1s 2	2 28	13 59	1 7	19 50	3 38	14 20	1 3	23 36	0 13	2 47	2 29	7 19	0 44	21 16
S 25	16 41	5 4	3 26	13 14	0 58	19 55	3 34	14 32	1 3	23 36	0 13	2 49	2 29	7 18	0 44	21 16
S 26	16 23	8 57	4 14	12 30	0 48	20 0	3 30	14 44	1 4	23 37	0 13	2 50	2 29	7 17	0 44	21 17
M27	16 5	12 29	4 51	11 44	0 37	20 5	3 26	14 56	1 5	23 37	0 13	2 51	2 29	7 16	0 44	21 17
T 28	15 47	15 26	5 11	10 58	0 26	20 9	3 21	15 8	1 5	23 37	0 13	2 52	2 30	7 14	0 44	21 17
W29	15 28	17 32	5 14	10 13	0 14	20 13	3 17	15 20	1 6	23 37	0 13	2 54	2 30	7 13	0 44	21 17
T 30	15 9	18 34	4 56	9 27	0 2	20 17	3 13	15 32	1 6	23 38	0 13	2 55	2 30	7 12	0 44	21 18
F 31	14s50	18s22	4n19	8s42	0n12	20s20	3n 8	15n43	1n 7	23n38	0n14	2n57	2n30	7s11	0s44	21n18

Julian Day Number = 2240078.5, Delta T = 07m19s

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'47", Lahiri = 15°46'48" Julian Calendar 1 Jan. 1421 == Greg. Calendar 10 Jan. 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

FEBRUARY 1421 JC

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	14s31	16s52	3n24	7s59	0n25	20s22	3n 4	15n55	1n 7	23n38	0n14	2n58	2n31	7s 9	0s44	21n18
S 2	14 12	14 12	2 14	7 16	0 40	20 25	2 59	16 7	1 8	23 38	0 14	3 0	2 31	7 8	0 44	21 18
M 3	13 52	10 36	0 55	6 35	0 54	20 26	2 55	16 18	1 8	23 39	0 14	3 1	2 31	7 7	0 44	21 19
T 4	13 32	6 25	0s25	5 57	1 9	20 28	2 50	16 29	1 9	23 39	0 14	3 3	2 31	7 6	0 44	21 19
W 5	13 12	1 57	1 43	5 21	1 25	20 29	2 46	16 41	1 9	23 39	0 14	3 4	2 31	7 4	0 44	21 19
T 6	12 51	2n29	2 52	4 47	1 40	20 29	2 41	16 52	1 9	23 39	0 14	3 6	2 32	7 3	0 44	21 19
F 7	12 31	6 39	3 49	4 18	1 55	20 29	2 36	17 3	1 10	23 40	0 14	3 8	2 32	7 2	0 44	21 20
S 8	12 10	10 21	4 32	3 51	2 10	20 28	2 32	17 14	1 10	23 40	0 14	3 9	2 32	7 0	0 44	21 20
S 9	11 49	13 28	5 1	3 29	2 25	20 27	2 27	17 25	1 11	23 40	0 14	3 11	2 32	6 59	0 44	21 20
M10	11 28	15 54	5 15	3 11	2 39	20 25	2 22	17 36	1 11	23 40	0 14	3 13	2 32	6 58	0 44	21 20
T 11	11 6	17 35	5 15	2 58	2 52	20 23	2 17	17 47	1 11	23 40	0 15	3 14	2 32	6 56	0 44	21 20
W12	10 45	18 29	5 1	2 49	3 4	20 20	2 13	17 57	1 12	23 40	0 15	3 16	2 33	6 55	0 44	21 21
T 13	10 23	18 33	4 35	2 45	3 15	20 17	2 8	18 8	1 12	23 40	0 15	3 18	2 33	6 54	0 44	21 21
F 14	10 1	17 49	3 57	2 46	3 24	20 13	2 3	18 18	1 12	23 41	0 15	3 20	2 33	6 53	0 44	21 21
S 15	9 39	16 17	3 8	2 52	3 31	20 9	1 58	18 29	1 13	23 41	0 15	3 21	2 33	6 51	0 44	21 21
S 16	9 17	14 3	2 11	3 2	3 37	20 4	1 54	18 39	1 13	23 41	0 15	3 23	2 33	6 50	0 44	21 21
M17	8 55	11 10	1 7	3 16	3 41	19 59	1 49	18 49	1 13	23 41	0 15	3 25	2 33	6 49	0 44	21 22
T 18	8 32	7 46	0n 0	3 34	3 43	19 53	1 44	18 59	1 14	23 41	0 15	3 27	2 34	6 47	0 44	21 22
W19	8 10	3 59	1 9	3 55	3 43	19 47	1 39	19 9	1 14	23 41	0 15	3 29	2 34	6 46	0 44	21 22
T 20	7 47	0s 2	2 15	4 20	3 40	19 40	1 34	19 19	1 14	23 41	0 15	3 30	2 34	6 45	0 44	21 22
F 21	7 25	4 6	3 15	4 46	3 36	19 32	1 30	19 29	1 15	23 41	0 15	3 32	2 34	6 43	0 44	21 22
S 22	7 2	8 3	4 7	5 14	3 29	19 24	1 25	19 38	1 15	23 41	0 15	3 34	2 34	6 42	0 44	21 23
S 23	6 39	11 40	4 46	5 43	3 21	19 16	1 20	19 48	1 15	23 41	0 16	3 36	2 34	6 41	0 44	21 23
M24	6 16	14 44	5 10	6 12	3 12	19 6	1 15	19 57	1 15	23 41	0 16	3 38	2 34	6 39	0 44	21 23
T 25	5 53	17 2	5 17	6 42	3 1	18 57	1 11	20 6	1 16	23 41	0 16	3 40	2 34	6 38	0 44	21 23
W26	5 29	18 21	5 6	7 10	2 48	18 47	1 6	20 16	1 16	23 42	0 16	3 42	2 35	6 37	0 44	21 23
T 27	5 6	18 33	4 35	7 38	2 35	18 36	1 1	20 25	1 16	23 42	0 16	3 44	2 35	6 35	0 44	21 23
F 28	4s43	17s33	3n47	8s 4	2n21	18s25	0n57	20n33	1n16	23n42	0n16	3n46	2n35	6s34	0s44	21n24

Julian Day Number = 2240109.5, Delta T = 07m19s

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'51", Lahiri = 15°46'52" Julian Calendar 1 Feb. 1421 == Greg. Calendar 10 Feb. 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

MARCH 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 8 55	19♈ 6'37	9♉12	2°R58	5♊ 4	26♈38	4♉44	26°R25	15♈ 9	21°R31	25♉ 2	10♈11	9♉56	21♉35	28♈16	S 1
S 2	11 12 52	20° 6'16	23°49	2♈33	6°12	27°14	4°46	26♈21	15°12	21♉31	25° 2	10°12	9°53	21°42	28°20	S 2
M 3	11 16 48	21° 5'53	8♈23	2°15	7°20	27°50	4°48	26°16	15°16	21°30	25° 2	10°R12	9°50	21°48	28°23	M 3
T 4	11 20 45	22° 5'28	22°47	2° 3	8°29	28°26	4°50	26°11	15°19	21°29	25° 2	10°12	9°47	21°55	28°27	T 4
W 5	11 24 41	23° 5'01	6♈56	1°57	9°37	29° 3	4°53	26° 7	15°23	21°29	25° 2	10°11	9°43	22° 2	28°30	W 5
T 6	11 28 38	24° 4'31	20°45	1°D57	10°46	29°39	4°55	26° 2	15°26	21°28	25° 2	10° 9	9°40	22° 8	28°34	T 6
F 7	11 32 35	25° 4'00	4♈12	2° 3	11°54	0♈15	4°58	25°57	15°30	21°28	25° 2	10° 7	9°37	22°15	28°37	F 7
S 8	11 36 31	26° 3'27	17°16	2°14	13° 3	0°52	5° 1	25°53	15°33	21°27	25° 2	10° 5	9°34	22°22	28°40	S 8
S 9	11 40 28	27° 2'51	29°59	2°30	14°12	1°28	5° 4	25°48	15°36	21°27	25° 3	10° 3	9°31	22°29	28°43	S 9
M10	11 44 24	28° 2'13	12♈23	2°52	15°21	2° 4	5° 8	25°43	15°40	21°26	25° 3	10° 2	9°28	22°35	28°47	M10
T 11	11 48 21	29° 1'32	24°31	3°18	16°30	2°41	5°11	25°38	15°43	21°26	25° 3	10°D 1	9°24	22°42	28°50	T 11
W12	11 52 17	0♈0'50	6♈29	3°49	17°40	3°17	5°15	25°34	15°46	21°25	25° 3	10° 1	9°21	22°49	28°53	W12
T 13	11 56 14	1° 0'04	18°20	4°24	18°49	3°54	5°19	25°29	15°50	21°25	25° 4	10° 2	9°18	22°55	28°56	T 13
F 14	12 0 10	1°59'17	0♈10	5° 3	19°58	4°30	5°23	25°24	15°53	21°24	25° 4	10° 3	9°15	23° 2	28°59	F 14
S 15	12 4 7	2°58'27	12° 4	5°46	21° 8	5° 7	5°27	25°20	15°56	21°24	25° 4	10° 5	9°12	23° 9	29° 2	S 15
S 16	12 8 4	3°57'35	24° 6	6°32	22°17	5°43	5°31	25°15	16° 0	21°24	25° 5	10° 7	9° 8	23°15	29° 5	S 16
M17	12 12 0	4°56'41	6♈18	7°22	23°27	6°20	5°36	25°11	16° 3	21°24	25° 5	10°R 7	9° 5	23°22	29° 7	M17
T 18	12 15 57	5°55'44	18°44	8°15	24°37	6°56	5°41	25° 6	16° 6	21°23	25° 5	10° 7	9° 2	23°29	29°10	T 18
W19	12 19 53	6°54'46	1♈26	9°11	25°46	7°33	5°46	25° 2	16°10	21°23	25° 6	10° 6	8°59	23°35	29°13	W19
T 20	12 23 50	7°53'45	14°24	10°10	26°56	8° 9	5°51	24°57	16°13	21°23	25° 6	10° 3	8°56	23°42	29°15	T 20
F 21	12 27 46	8°52'42	27°38	11°12	28° 6	8°46	5°56	24°53	16°16	21°23	25° 7	9°59	8°53	23°49	29°18	F 21
S 22	12 31 43	9°51'37	11♈ 7	12°16	29°16	9°22	6° 1	24°48	16°19	21°23	25° 7	9°54	8°49	23°55	29°21	S 22
S 23	12 35 39	10°50'31	24°49	13°23	0♈26	9°59	6° 7	24°44	16°23	21°23	25° 8	9°50	8°46	24° 2	29°23	S 23
M24	12 39 36	11°49'22	8♈41	14°32	1°36	10°35	6°12	24°39	16°26	21°D23	25° 8	9°45	8°43	24° 9	29°25	M24
T 25	12 43 33	12°48'12	22°41	15°44	2°47	11°12	6°18	24°35	16°29	21°23	25° 9	9°42	8°40	24°16	29°28	T 25
W26	12 47 29	13°47'00	6♈46	16°58	3°57	11°49	6°24	24°31	16°32	21°23	25° 9	9°41	8°37	24°22	29°30	W26
T 27	12 51 26	14°45'47	20°56	18°14	5° 7	12°25	6°30	24°26	16°35	21°23	25°10	9°D41	8°33	24°29	29°32	T 27
F 28	12 55 22	15°44'32	5♈ 8	19°32	6°18	13° 2	6°37	24°22	16°38	21°23	25°10	9°42	8°30	24°36	29°34	F 28
S 29	12 59 19	16°43'15	19°20	20°52	7°28	13°39	6°43	24°18	16°41	21°23	25°11	9°43	8°27	24°42	29°36	S 29
S 30	13 3 15	17°41'56	3♈31	22°14	8°39	14°15	6°50	24°14	16°44	21°23	25°12	9°R44	8°24	24°49	29°38	S 30
M31	13 7 12	18°Y40'35	17♈37	23♈37	9♈49	14♈52	6♈56	24♈10	16♈47	21♈24	25♈12	9♈44	8♈21	24♈56	29♈40	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4s19	15s23	2n44	8s28	2n 7	18s13	0n52	20n42	1n17	23n42	0n16	3n48	2n35	6s33	0s44	21n24
S 2	3 56	12 13	1 30	8 51	1 52	18 1	0 48	20 51	1 17	23 42	0 16	3 49	2 35	6 31	0 44	21 24
M 3	3 32	8 18	0 10	9 11	1 37	17 48	0 43	20 59	1 17	23 42	0 16	3 51	2 35	6 30	0 44	21 24
T 4	3 9	3 56	1 s 9	9 30	1 22	17 35	0 39	21 8	1 17	23 42	0 16	3 53	2 35	6 29	0 44	21 24
W 5	2 45	0n34	2 23	9 46	1 8	17 21	0 34	21 16	1 17	23 42	0 16	3 55	2 35	6 27	0 44	21 24
T 6	2 22	4 56	3 26	9 59	0 53	17 7	0 30	21 24	1 18	23 42	0 16	3 57	2 35	6 26	0 44	21 24
F 7	1 58	8 56	4 16	10 11	0 38	16 52	0 25	21 32	1 18	23 41	0 16	3 59	2 35	6 25	0 44	21 24
S 8	1 34	12 23	4 51	10 20	0 24	16 37	0 21	21 40	1 18	23 41	0 16	4 1	2 35	6 23	0 44	21 25
S 9	1 11	15 8	5 11	10 27	0 11	16 21	0 17	21 48	1 18	23 41	0 17	4 3	2 35	6 22	0 44	21 25
M10	0 47	17 8	5 16	10 31	0s 2	16 5	0 13	21 55	1 18	23 41	0 17	4 5	2 35	6 21	0 44	21 25
T 11	0 23	18 18	5 6	10 34	0 15	15 48	0 8	22 3	1 19	23 41	0 17	4 7	2 35	6 19	0 44	21 25
W12	0n 0	18 38	4 43	10 34	0 27	15 31	0 4	22 10	1 19	23 41	0 17	4 9	2 35	6 18	0 44	21 25
T 13	0 24	18 9	4 8	10 32	0 39	15 14	0 0	22 17	1 19	23 41	0 17	4 10	2 35	6 17	0 44	21 25
F 14	0 48	16 52	3 23	10 28	0 50	14 56	0s 4	22 24	1 19	23 41	0 17	4 12	2 35	6 16	0 44	21 25
S 15	1 11	14 51	2 29	10 22	1 1	14 37	0 8	22 31	1 19	23 41	0 17	4 14	2 35	6 14	0 44	21 25
S 16	1 35	12 10	1 27	10 14	1 11	14 18	0 11	22 38	1 19	23 41	0 17	4 16	2 35	6 13	0 44	21 25
M17	1 58	8 54	0 21	10 5	1 21	13 59	0 15	22 44	1 19	23 41	0 17	4 18	2 35	6 12	0 44	21 25
T 18	2 22	5 12	0n47	9 53	1 29	13 39	0 19	22 50	1 20	23 40	0 17	4 20	2 35	6 10	0 44	21 25
W19	2 45	1 11	1 54	9 40	1 38	13 19	0 23	22 57	1 20	23 40	0 17	4 21	2 35	6 9	0 44	21 25
T 20	3 9	2s58	2 57	9 24	1 46	12 59	0 26	23 3	1 20	23 40	0 17	4 23	2 35	6 8	0 44	21 25
F 21	3 32	7 4	3 52	9 8	1 53	12 38	0 30	23 9	1 20	23 40	0 17	4 25	2 35	6 7	0 44	21 25
S 22	3 55	10 52	4 34	8 49	2 0	12 17	0 33	23 14	1 20	23 40	0 17	4 27	2 35	6 5	0 44	21 26
S 23	4 18	14 9	5 2	8 29	2 6	11 55	0 37	23 20	1 20	23 40	0 17	4 28	2 35	6 4	0 44	21 26
M24	4 41	16 40	5 12	8 7	2 11	11 34	0 40	23 26	1 20	23 39	0 17	4 30	2 35	6 3	0 44	21 26
T 25	5 4	18 15	5 4	7 44	2 16	11 11	0 43	23 31	1 20	23 39	0 18	4 32	2 35	6 2	0 44	21 26
W26	5 27	18 42	4 38	7 20	2 21	10 49	0 47	23 36	1 20	23 39	0 18	4 34	2 35	6 0	0 44	21 26
T 27	5 50	18 0	3 55	6 53	2 25	10 26	0 50	23 41	1 20	23 39	0 18	4 35	2 35	5 59	0 44	21 26
F 28	6 13	16 10	2 57	6 26	2 28	10 3	0 53	23 46	1 20	23 38	0 18	4 37	2 35	5 58	0 44	21 26
S 29	6 35	13 20	1 49	5 56	2 31	9 39	0 56	23 50	1 21	23 38	0 18	4 38	2 35	5 57	0 44	21 26
S 30	6 58	9 43	0 34	5 26	2 33	9 15	0 59	23 55	1 21	23 38	0 18	4 40	2 35	5 56	0 44	21 26
M31	7n20	5s34	0s43	4s55	2s35	8s51	1 s 1	23n59	1n21	23n38	0n18	4n41	2n35	5s55	0s44	21n26

Julian Day Number = 2240137.5, Delta T = 07m19s

Ecliptic obliquity = 23°30'44, Nutation = - 0°00'05, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'55, Lahiri = 15°46'56 Julian Calendar 1 March 1421 == Greg. Calendar 10 March 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

APRIL 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 11 8	19°39'13	1°35	25°38 3	11°0 0	15°29	7°3 3	24°R 6	16°51	21°24	25°13	9°R42	8°18	25°2 2	29°42	T 1
W 2	13 15 5	20°37'49	15°22	26°31	12°10	16°5 5	7°10	24°10 2	16°54	21°24	25°14	9°18	8°14	25°9 9	29°44	W 2
T 3	13 19 1	21°36'23	28°56	28°0 0	13°21	16°42	7°17	23°58	16°56	21°24	25°15	9°33	8°11	25°16	29°45	T 3
F 4	13 22 58	22°34'55	12°12	29°32	14°32	17°19	7°25	23°54	16°59	21°25	25°15	9°26	8°8 8	25°22	29°47	F 4
S 5	13 26 55	23°33'25	25°11	1°35 5	15°43	17°56	7°32	23°50	17°2 2	21°25	25°16	9°18	8°5 5	25°29	29°49	S 5
S 6	13 30 51	24°31'53	7°11	2°39	16°54	18°33	7°40	23°47	17°5 5	21°26	25°17	9°11	8°2 2	25°36	29°50	S 6
M 7	13 34 48	25°30'19	20°15	4°16	18°5 5	19°9 9	7°47	23°43	17°8 8	21°26	25°18	9°4 4	7°59	25°42	29°52	M 7
T 8	13 38 44	26°28'42	2°23	5°54	19°15	19°46	7°55	23°39	17°11	21°26	25°18	8°59	7°55	25°49	29°53	T 8
W 9	13 42 41	27°27'04	14°21	7°34	20°26	20°23	8°3 3	23°36	17°14	21°27	25°19	8°56	7°52	25°56	29°54	W 9
T 10	13 46 37	28°25'24	26°13	9°16	21°37	21°0 0	8°11	23°32	17°17	21°28	25°20	8°D55	7°49	26°2 2	29°55	T 10
F 11	13 50 34	29°23'41	8°13 3	10°59	22°48	21°37	8°19	23°29	17°19	21°28	25°21	8°56	7°46	26°9 9	29°57	F 11
S 12	13 54 30	0°21'56	19°57	12°45	24°0 0	22°13	8°28	23°26	17°22	21°29	25°22	8°57	7°43	26°16	29°58	S 12
S 13	13 58 27	1°20'10	2°10 0	14°32	25°11	22°50	8°36	23°23	17°25	21°29	25°23	8°58	7°39	26°22	29°59	S 13
M14	14 2 24	2°18'21	14°17	16°20	26°22	23°27	8°45	23°19	17°27	21°30	25°24	8°R58	7°36	26°29	29°59	M14
T 15	14 6 20	3°16'30	26°52	18°11	27°33	24°4 4	8°53	23°16	17°30	21°31	25°25	8°56	7°33	26°36	0°1 1	T 15
W16	14 10 17	4°14'38	9°46	20°3 3	28°44	24°41	9°2 2	23°13	17°33	21°32	25°26	8°52	7°30	26°42	0°1 1	W16
T 17	14 14 13	5°12'43	23°2 2	21°58	29°55	25°18	9°11	23°11	17°35	21°32	25°27	8°46	7°27	26°49	0°2 2	T 17
F 18	14 18 10	6°10'47	6°13 3	23°53	1°35 7	25°54	9°20	23°8 8	17°38	21°33	25°28	8°38	7°24	26°56	0°3 3	F 18
S 19	14 22 6	7°8'49	20°35	25°51	2°18	26°31	9°29	23°5 5	17°40	21°34	25°29	8°29	7°20	27°3 3	0°3 3	S 19
S 20	14 26 3	8°6'50	4°44	27°51	3°29	27°8 8	9°39	23°2 2	17°43	21°35	25°30	8°19	7°17	27°9 9	0°4 4	S 20
M21	14 29 59	9°4'49	19°1 1	29°52	4°41	27°45	9°48	23°0 0	17°45	21°36	25°31	8°11	7°14	27°16	0°4 4	M21
T 22	14 33 56	10°2'47	3°23	1°54	5°52	28°22	9°57	22°57	17°48	21°37	25°32	8°4 4	7°11	27°23	0°5 5	T 22
W23	14 37 53	11°0'43	17°43	3°59	7°4 4	28°59	10°7 7	22°55	17°50	21°38	25°33	8°0 0	7°8 8	27°29	0°5 5	W23
T 24	14 41 49	11°58'38	1°58	6°4 4	8°15	29°36	10°17	22°53	17°52	21°39	25°34	7°58	7°4 4	27°36	0°5 5	T 24
F 25	14 45 46	12°56'32	16°6 6	8°11	9°27	0°13 3	10°26	22°51	17°55	21°40	25°35	7°D57	7°1 1	27°43	0°5 5	F 25
S 26	14 49 42	13°54'25	0°13 3	10°20	10°38	0°50	10°36	22°49	17°57	21°41	25°36	7°58	6°58	27°49	0°6 6	S 26
S 27	14 53 39	14°52'16	13°58	12°29	11°50	1°27	10°46	22°46	17°59	21°42	25°38	7°R58	6°55	27°56	0°R 6	S 27
M28	14 57 35	15°50'06	27°40	14°39	13°2 2	2°4 4	10°56	22°45	18°1 1	21°43	25°39	7°56	6°52	28°3 3	0°5 5	M28
T 29	15 1 32	16°47'55	11°33	16°50	14°13	2°40	11°6 6	22°43	18°4 4	21°44	25°40	7°52	6°49	28°9 9	0°5 5	T 29
W30	15 5 28	17°45'42	24°36	19°1 1	15°25	3°17 7	11°17	22°41	18°13 3	21°45	25°41	7°14	6°14	28°16	0°5 5	W30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7n43	1 s 8	1s56	4s22	2s36	8s27	1 s 4	24n 3	1n21	23n37	0n18	4n43	2n35	5s53	0s44	21n26	0s23	18n35	4s51	7n57	8n29	17n43	13s35	6n50					
W 2	8 5	3n17	3 1	3 48	2 37	8 3	1 7	24 7	1 21	23 37	0 18	4 44	2 35	5 52	0 44	21 26	0 23	18 35	4 51	7 59	8 30	17 42	13 34	6 51					
T 3	8 27	7 28	3 55	3 12	2 37	7 38	1 9	24 11	1 21	23 37	0 18	4 46	2 34	5 51	0 44	21 26	0 23	18 35	4 51	8 1	8 31	17 42	13 34	6 51					
F 4	8 49	11 11	4 35	2 35	2 37	7 13	1 12	24 15	1 21	23 36	0 18	4 47	2 34	5 50	0 44	21 26	0 23	18 35	4 51	8 3	8 33	17 41	13 33	6 52					
S 5	9 10	14 16	4 59	1 57	2 36	6 47	1 14	24 18	1 21	23 36	0 18	4 49	2 34	5 49	0 44	21 25	0 23	18 35	4 50	8 6	8 34	17 41	13 32	6 52					
S 6	9 32	16 37	5 8	1 18	2 35	6 22	1 17	24 22	1 21	23 36	0 18	4 50	2 34	5 48	0 44	21 25	0 23	18 35	4 50	8 9	8 35	17 40	13 31	6 53					
M 7	9 53	18 7	5 3	0 38	2 33	5 56	1 19	24 25	1 21	23 35	0 18	4 52	2 34	5 47	0 44	21 25	0 23	18 36	4 50	8 12	8 36	17 40	13 31	6 53					
T 8	10 15	18 46	4 43	0n 3	2 30	5 30	1 21	24 28	1 21	23 35	0 18	4 53	2 34	5 45	0 44	21 25	0 23	18 36	4 50	8 13	8 37	17 39	13 30	6 53					
W 9	10 36	18 34	4 12	0 46	2 27	5 4	1 23	24 31	1 21	23 34	0 18	4 54	2 34	5 44	0 44	21 25	0 23	18 36	4 50	8 15	8 39	17 38	13 29	6 54					
T 10	10 57	17 32	3 30	1 29	2 23	4 38	1 25	24 33	1 21	23 34	0 18	4 55	2 34	5 43	0 44	21 25	0 23	18 36	4 50	8 15	8 40	17 38	13 28	6 54					
F 11	11 18	15 45	2 39	2 13	2 19	4 12	1 27	24 36	1 21	23 33	0 18	4 57	2 34	5 42	0 44	21 25	0 23	18 36	4 50	8 15	8 41	17 37	13 28	6 55					
S 12	11 38	13 17	1 41	2 59	2 15	3 45	1 29	24 38	1 21	23 33	0 19	4 58	2 33	5 41	0 44	21 25	0 23	18 37	4 49	8 14	8 42	17 37	13 27	6 55					
S 13	11 58	10 13	0 37	3 45	2 10	3 18	1 31	24 40	1 21	23 32	0 19	4 59	2 33	5 40	0 44	21 25	0 23	18 37	4 49	8 14	8 43	17 36	13 26	6 56					
M14	12 19	6 39	0n29	4 32	2 4	2 52	1 32	24 42	1 21	23 32	0 19	5 0	2 33	5 39	0 45	21 25	0 23	18 37	4 49	8 14	8 45	17 36	13 25	6 56					
T 15	12 39	2 42	1 35	5 20	1 58	2 25	1 34	24 44	1 21	23 31	0 19	5 1	2 33	5 38	0 45	21 25	0 23	18 37	4 49	8 15	8 46	17 35	13 25	6 57					
W16	12 58	1s28	2 38	6 9	1 51	1 58	1 35	24 45	1 21	23 31	0 19	5 2	2 33	5 37	0 45	21 25	0 23	18 37	4 49	8 16	8 47	17 34	13 24	6 57					
T 17	13 18	5 41	3 34	6 58	1 44	1 30	1 37	24 47	1 21	23 30	0 19	5 3	2 33	5 36	0 45	21 25	0 23	18 37	4 49	8 18	8 48	17 34	13 23	6 58					
F 18	13 37	9 42	4 19	7 48	1 36	1 3	1 38	24 48	1 21	23 30	0 19	5 4	2 33	5 35	0 45	21 25	0 23	18 38	4 49	8 21	8 49	17 33	13 23	6 58					
S 19	13 56	13 17	4 50	8 39	1 28	0 36	1 39	24 49	1 21	23 29	0 19	5 5	2 32	5 34	0 45	21 24	0 23	18 38	4 48	8 25	8 50	17 32	13 22	6 59					
S 20	14 15	16 10	5 4	9 30	1 20	0 8	1 40	24 50	1 21	23 29	0 19	5 6	2 32	5 33	0 45	21 24	0 23	18 38	4 48	8 28	8 52	17 32	13 22	6 59					
M21	14 34	18 5	4 59	10 21	1 11	0n19	1 41	24 50	1 21	23 28	0 19	5 7	2 32	5 32	0 45	21 24	0 22	18 38	4 48	8 32	8 53	17 31	13 21	7 0					
T 22	14 52	18 53	4 36	11 12	1 2	0 46	1 42	24 51	1 21	23 27	0 19	5 8	2 32	5 31	0 45	21 24	0 22	18 38	4 48	8 34	8 54	17 31	13 21	7 0					
W23	15 11	18 27	3 55	12 4	0 52	1 14	1 43	24 51	1 21	23 27	0 19	5 8	2 32	5 31	0 45	21 24	0 22	18 38	4 48	8 36	8 55	17 30	13 20	7 1					
T 24	15 29	16 52	3 0	12 55	0 43	1 42	1 44	24 52	1 21	23 26	0 19	5 9	2 32	5 30	0 45	21 24	0 22	18 39	4 48	8 37	8 56	17 29	13 19	7 1					
F 25	15 46	14 15	1 54	13 46	0 32	2 9	1 45	24 51	1 21	23 25	0 19	5 10	2 31	5 29	0 45	21 24	0 22	18 39	4 48	8 37	8 58	17 29	13 19	7 2					
S 26	16 4	10 49	0 42	14 37	0 22	2 37	1 45	24 51	1 21	23 24	0 19	5 11	2 31	5 28	0 45	21 24	0 22	18 39	4 48	8 37	8 59	17 28	13 18	7 2					
S 27	16 21	6 49	0s32	15 27	0 12	3 4	1 46	24 51	1 21	23 24	0 19	5 11	2 31	5 27	0 45	21 23	0 22	18 39	4 47	8 37	9 0	17 28	13 18	7 3					
M28	16 38	2 30	1 43	16 16	0 1	3 32	1 46	24 50	1 21	23 23	0 19	5 12	2 31	5 26	0 45	21 23	0 22	18 39	4 47	8 37	9 1	17 27	13 17	7 3					
T 29	16 54	1n53	2 47	17 4	0n 9	3 59	1 47	24 50	1 21	23 22	0 19	5 12	2 31	5 25	0 45	21 23	0 22	18 39	4 47	8 39	9 2	17 26	13 17	7 4					
W30	17n11	6n 8	3s41	17n51	0n20	4n27	1s47	24n49	1n21	23n21	0n20	5n13	2n30	5s25	0s45	21n23	0s22	18n40	4s47	8n41	9n 3	17n26	13s17	7n 4					

ASTRODIENST EPHEMERIS for the year 1421
geocentric

MAY 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 9 25	18♂43'28	7♂47	21♂12	16♂37	3♂54	11♂27	22°R39	18♂8	21♂46	25♂42	7°R36	6♂42	28♂23	0°R 5	T 1
F 2	15 13 22	19°41'13	20°46	23°23	17°48	4°31	11°37	22♂38	18°10	21°47	25°43	7♂25	6°39	28°29	0♂5	F 2
S 3	15 17 18	20°38'57	3♂31	25°34	19° 0	5° 8	11°48	22°36	18°12	21°49	25°45	7°13	6°36	28°36	0° 4	S 3
S 4	15 21 15	21°36'39	16° 2	27°44	20°12	5°45	11°58	22°35	18°14	21°50	25°46	7° 0	6°33	28°43	0° 4	S 4
M 5	15 25 11	22°34'20	28°19	29°53	21°24	6°22	12° 9	22°34	18°16	21°51	25°47	6°49	6°30	28°49	0° 3	M 5
T 6	15 29 8	23°31'59	10♂24	2♂1	22°36	6°59	12°20	22°33	18°18	21°53	25°48	6°40	6°26	28°56	0° 3	T 6
W 7	15 33 4	24°29'37	22°19	4° 7	23°47	7°36	12°31	22°32	18°19	21°54	25°50	6°34	6°23	29° 3	0° 2	W 7
T 8	15 37 1	25°27'14	4♂9	6°12	24°59	8°13	12°42	22°31	18°21	21°55	25°51	6°30	6°20	29° 9	0° 1	T 8
F 9	15 40 57	26°24'49	15°58	8°15	26°11	8°50	12°53	22°30	18°23	21°57	25°52	6°28	6°17	29°16	0° 0	F 9
S 10	15 44 54	27°22'22	27°51	10°15	27°23	9°28	13° 4	22°29	18°25	21°58	25°54	6°D28	6°14	29°23	29♂59	S 10
S 11	15 48 51	28°19'54	9♂54	12°13	28°35	10° 5	13°15	22°29	18°26	22° 0	25°55	6°R28	6°10	29°29	29°59	S 11
M12	15 52 47	29°17'25	22°11	14° 9	29°47	10°42	13°26	22°28	18°28	22° 1	25°56	6°27	6° 7	29°36	29°57	M12
T 13	15 56 44	0♂14'54	4♂48	16° 3	0♂59	11°19	13°38	22°28	18°30	22° 3	25°58	6°25	6° 4	29°43	29°56	T 13
W14	16 0 40	1°12'22	17°49	17°54	2°11	11°56	13°49	22°27	18°31	22° 4	25°59	6°20	6° 1	29°49	29°55	W14
T 15	16 4 37	2° 9'49	1♂15	19°42	3°23	12°33	14° 0	22°27	18°33	22° 6	26° 0	6°13	5°58	29°56	29°54	T 15
F 16	16 8 33	3° 7'14	15° 7	21°28	4°35	13°10	14°12	22°27	18°34	22° 7	26° 2	6° 3	5°55	0♂3	29°53	F 16
S 17	16 12 30	4° 4'39	29°23	23°11	5°47	13°47	14°23	22°D27	18°35	22° 9	26° 3	5°52	5°51	0° 9	29°51	S 17
S 18	16 16 26	5° 2'03	13♂56	24°51	6°59	14°24	14°35	22°27	18°37	22°10	26° 4	5°41	5°48	0°16	29°50	S 18
M19	16 20 23	5°59'25	28°39	26°28	8°11	15° 1	14°47	22°27	18°38	22°12	26° 6	5°30	5°45	0°23	29°49	M19
T 20	16 24 20	6°56'47	13♂25	28° 3	9°24	15°38	14°59	22°27	18°39	22°14	26° 7	5°22	5°42	0°29	29°47	T 20
W21	16 28 16	7°54'09	28° 7	29°35	10°36	16°15	15°10	22°28	18°41	22°15	26° 9	5°16	5°39	0°36	29°45	W21
T 22	16 32 13	8°51'29	12♂37	1♂4	11°48	16°52	15°22	22°28	18°42	22°17	26°10	5°13	5°36	0°43	29°44	T 22
F 23	16 36 9	9°48'50	26°53	2°30	13° 0	17°30	15°34	22°29	18°43	22°19	26°11	5°12	5°32	0°49	29°42	F 23
S 24	16 40 6	10°46'09	10♂52	3°53	14°12	18° 7	15°46	22°30	18°44	22°21	26°13	5°12	5°29	0°56	29°40	S 24
S 25	16 44 2	11°43'28	24°36	5°13	15°25	18°44	15°58	22°30	18°45	22°22	26°14	5°12	5°26	1° 3	29°38	S 25
M26	16 47 59	12°40'47	8°Y 5	6°30	16°37	19°21	16°10	22°31	18°46	22°24	26°16	5°10	5°23	1° 9	29°37	M26
T 27	16 51 55	13°38'05	21°20	7°44	17°49	19°58	16°23	22°32	18°47	22°26	26°17	5° 6	5°20	1°16	29°35	T 27
W28	16 55 52	14°35'23	4♂23	8°56	19° 2	20°35	16°35	22°33	18°48	22°28	26°19	4°59	5°16	1°23	29°33	W28
T 29	16 59 49	15°32'41	17°14	10° 3	20°14	21°12	16°47	22°35	18°49	22°30	26°20	4°49	5°13	1°29	29°30	T 29
F 30	17 3 45	16°29'58	29°53	11° 8	21°27	21°50	16°59	22°36	18°50	22°32	26°21	4°37	5°10	1°36	29°28	F 30
S 31	17 7 42	17♂27'14	12♂22	12♂10	22♂39	22♂27	17♂12	22♂37	18♂50	22♂33	26♂23	4♂24	5♂7	1♂43	29♂26	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	17n27	10n 1	4s22	18n36	0n30	4n54	1s47	24n48	1n20	23n21	0n20	5n13	2n30	5s24	0s45	21n23
F 2	17 43	13 21	4 49	19 20	0 41	5 21	1 47	24 46	1 20	23 20	0 20	5 14	2 30	5 23	0 45	21 23
S 3	17 58	16 0	5 1	20 2	0 50	5 48	1 47	24 45	1 20	23 19	0 20	5 14	2 30	5 22	0 45	21 22
S 4	18 13	17 50	4 58	20 41	1 0	6 16	1 47	24 43	1 20	23 18	0 20	5 14	2 30	5 22	0 45	21 22
M 5	18 28	18 49	4 41	21 19	1 9	6 43	1 47	24 42	1 20	23 17	0 20	5 15	2 29	5 21	0 45	21 22
T 6	18 43	18 55	4 12	21 54	1 18	7 10	1 47	24 40	1 20	23 16	0 20	5 15	2 29	5 20	0 45	21 22
W 7	18 57	18 11	3 31	22 27	1 26	7 36	1 47	24 37	1 20	23 15	0 20	5 15	2 29	5 19	0 45	21 22
T 8	19 11	16 39	2 42	22 57	1 34	8 3	1 47	24 35	1 20	23 14	0 20	5 15	2 29	5 19	0 45	21 21
F 9	19 25	14 24	1 46	23 24	1 41	8 30	1 46	24 33	1 20	23 13	0 20	5 16	2 29	5 18	0 45	21 21
S 10	19 38	11 33	0 46	23 49	1 47	8 56	1 46	24 30	1 20	23 12	0 20	5 16	2 28	5 17	0 45	21 21
S 11	19 51	8 10	0n18	24 11	1 52	9 22	1 45	24 27	1 20	23 11	0 20	5 16	2 28	5 17	0 45	21 21
M12	20 4 4 22	1 22	24 31	1 57	9 48	1 44	24 24	1 20	23 10	0 20	5 16	2 28	5 16	0 45	21 21	0 22
T 13	20 16 0 17	2 24	24 47	2 1	10 14	1 44	24 21	1 20	23 9	0 20	5 16	2 28	5 16	0 45	21 20	0 22
W14	20 28 3s56	3 20	25 2	2 5	10 39	1 43	24 18	1 19	23 8	0 20	5 16	2 28	5 15	0 45	21 20	0 22
T 15	20 39 8 5	4 7	25 14	2 7	11 5	1 42	24 14	1 19	23 7	0 20	5 16	2 27	5 14	0 45	21 20	0 22
F 16	20 51 11 56	4 41	25 23	2 9	11 30	1 41	24 10	1 19	23 6	0 20	5 15	2 27	5 14	0 45	21 20	0 22
S 17	21 2 15 13	4 59	25 30	2 10	11 55	1 40	24 6	1 19	23 4	0 21	5 15	2 27	5 13	0 46	21 19	0 22
S 18	21 12 17 37	4 58	25 35	2 10	12 20	1 39	24 2	1 19	23 3	0 21	5 15	2 27	5 13	0 46	21 19	0 22
M19	21 22 18 54	4 37	25 38	2 10	12 44	1 38	23 58	1 19	23 2	0 21	5 15	2 26	5 12	0 46	21 19	0 22
T 20	21 32 18 54	3 57	25 38	2 9	13 8	1 37	23 54	1 19	23 1	0 21	5 14	2 26	5 12	0 46	21 19	0 22
W21	21 42 17 37	3 3	25 37	2 7	13 32	1 36	23 49	1 19	22 59	0 21	5 14	2 26	5 12	0 46	21 18	0 22
T 22	21 51 15 13	1 56	25 34	2 4	13 56	1 34	23 44	1 19	22 58	0 21	5 14	2 26	5 11	0 46	21 18	0 22
F 23	21 59 11 54	0 44	25 29	2 0	14 19	1 33	23 40	1 18	22 57	0 21	5 13	2 26	5 11	0 46	21 18	0 22
S 24	22 8 7 58	0s30	25 23	1 56	14 42	1 32	23 35	1 18	22 55	0 21	5 13	2 25	5 10	0 46	21 18	0 22
S 25	22 16 3 41	1 41	25 15	1 51	15 4	1 30	23 29	1 18	22 54	0 21	5 12	2 25	5 10	0 46	21 17	0 22
M26	22 23 0n42	2 45	25 6	1 45	15 26	1 28	23 24	1 18	22 53	0 21	5 12	2 25	5 10	0 46	21 17	0 22
T 27	22 30 4 58	3 38	24 56	1 39	15 48	1 27	23 18	1 18	22 51	0 21	5 11	2 25	5 9	0 46	21 17	0 22
W28	22 37 8 57	4 20	24 44	1 31	16 10	1 25	23 13	1 18	22 50	0 21	5 10	2 25	5 9	0 46	21 17	0 22
T 29	22 44 12 26	4 47	24 31	1 24	16 31	1 24	23 7	1 18	22 48	0 21	5 10	2 24	5 9	0 46	21 16	0 22
F 30	22 49 15 18	5 0	24 17	1 15	16 52	1 22	23 1	1 17	22 47	0 21	5 9	2 24	5 8	0 46	21 16	0 22
S 31	22n55	17n25	4s58	24n 3	1n 6	17n12	1s20	22n54	1n17	22n45	0n21	5n 8	2n24	5s 8	0s46	21n16

Julian Day Number = 2240198.5, Delta T = 07m19s
Ecliptic obliquity = 23°30'43, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°40'04, Lahiri = 15°47'04 Julian Calendar 1 May 1421 == Greg. Calendar 10 May 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

JUNE 1421 JC

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n 0	18n42	4s42	23n47	0n56	17n32	1s18	22n48	1n17	22n44	0n21	5n 8	2n24	5s 8	0s46	21n15
M 2	23 5	19 7	4 14	23 31	0 45	17 51	1 16	22 42	1 17	22 42	0 22	5 7	2 23	5 8	0 46	21 15
T 3	23 9	18 39	3 34	23 15	0 34	18 10	1 14	22 35	1 17	22 41	0 22	5 6	2 23	5 7	0 46	21 15
W 4	23 13	17 23	2 46	22 57	0 22	18 29	1 12	22 28	1 17	22 39	0 22	5 5	2 23	5 7	0 46	21 15
T 5	23 17	15 22	1 50	22 40	0 10	18 47	1 10	22 21	1 17	22 37	0 22	5 4	2 23	5 7	0 46	21 14
F 6	23 20	12 43	0 50	22 22	0s 3	19 5	1 8	22 14	1 16	22 36	0 22	5 3	2 23	5 7	0 46	21 14
S 7	23 23	9 31	0n13	22 4	0 16	19 22	1 6	22 6	1 16	22 34	0 22	5 2	2 23	5 7	0 46	21 14
S 8	23 25	5 54	1 16	21 46	0 30	19 39	1 4	21 59	1 16	22 32	0 22	5 1	2 22	5 7	0 46	21 13
M 9	23 27	1 58	2 18	21 28	0 45	19 55	1 2	21 51	1 16	22 31	0 22	5 0	2 22	5 7	0 46	21 13
T 10	23 29	2s 9	3 14	21 11	0 59	20 10	1 0	21 44	1 16	22 29	0 22	4 59	2 22	5 6	0 46	21 13
W 11	23 30	6 18	4 2	20 53	1 14	20 26	0 57	21 36	1 16	22 27	0 22	4 58	2 22	5 6	0 46	21 12
T 12	23 30	10 16	4 38	20 36	1 30	20 40	0 55	21 28	1 15	22 25	0 22	4 56	2 21	5 6	0 46	21 12
F 13	23 31	13 50	5 0	20 19	1 45	20 54	0 53	21 19	1 15	22 24	0 22	4 55	2 21	5 6	0 47	21 12
S 14	23 31	16 41	5 3	20 3	2 1	21 8	0 50	21 11	1 15	22 22	0 22	4 54	2 21	5 6	0 47	21 11
S 15	23 30	18 31	4 47	19 47	2 17	21 20	0 48	21 3	1 15	22 20	0 22	4 53	2 21	5 6	0 47	21 11
M 16	23 29	19 7	4 11	19 32	2 32	21 33	0 46	20 54	1 15	22 18	0 23	4 51	2 20	5 6	0 47	21 11
T 17	23 28	18 22	3 17	19 18	2 48	21 44	0 43	20 45	1 14	22 16	0 23	4 50	2 20	5 6	0 47	21 10
W 18	23 26	16 19	2 10	19 5	3 3	21 56	0 41	20 36	1 14	22 14	0 23	4 48	2 20	5 7	0 47	21 10
T 19	23 24	13 13	0 55	18 53	3 18	22 6	0 38	20 27	1 14	22 12	0 23	4 47	2 20	5 7	0 47	21 10
F 20	23 21	9 20	0s23	18 42	3 32	22 16	0 36	20 18	1 14	22 10	0 23	4 45	2 20	5 7	0 47	21 9
S 21	23 18	5 2	1 37	18 32	3 45	22 25	0 33	20 9	1 14	22 8	0 23	4 44	2 19	5 7	0 47	21 9
S 22	23 15	0 34	2 44	18 23	3 58	22 34	0 31	19 59	1 14	22 6	0 23	4 42	2 19	5 7	0 47	21 9
M 23	23 11	3n49	3 40	18 16	4 10	22 42	0 28	19 49	1 13	22 4	0 23	4 41	2 19	5 7	0 47	21 8
T 24	23 7	7 54	4 23	18 10	4 20	22 49	0 26	19 40	1 13	22 2	0 23	4 39	2 19	5 7	0 47	21 8
W 25	23 2	11 32	4 52	18 5	4 29	22 56	0 23	19 30	1 13	22 0	0 23	4 38	2 19	5 8	0 47	21 7
T 26	22 57	14 34	5 6	18 2	4 37	23 2	0 21	19 20	1 13	21 58	0 23	4 36	2 18	5 8	0 47	21 7
F 27	22 51	16 53	5 5	18 0	4 43	23 8	0 18	19 10	1 13	21 56	0 23	4 34	2 18	5 8	0 47	21 7
S 28	22 45	18 25	4 50	17 59	4 48	23 12	0 16	18 59	1 12	21 54	0 23	4 32	2 18	5 8	0 47	21 6
S 29	22 39	19 6	4 22	18 0	4 51	23 16	0 13	18 49	1 12	21 52	0 24	4 31	2 18	5 9	0 47	21 6
M 30	22n33	18n54	3s43	18n 3	4s52	23n20	0s11	18n38	1n12	21n49	0n24	4n29	2n18	5s 9	0s47	21n 6

Julian Day Number = 2240229.5, Delta T = 07m18s

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'08", Lahiri = 15°47'08" Julian Calendar 1 June 1421 == Greg. Calendar 10 June 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

JULY 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 9 55	17°08'28	27°08'27	12°R15	0°08'16	11°04'45	23°05'52	24°06'18	18°R50	23°05'38	27°08'18	1°R48	3°08'28	5°08'19	27°R58	T 1
W 2	19 13 51	17°57'44	9°08'15	11°08'41	1°29'29	12°23'24	24°06'24	24°11'18	18°R49	23°40'27	27°09'11	1°08'44	3°25'16	5°16'27	27°R54	W 2
T 3	19 17 48	18°55'00	21°02'21	11°11'11	2°42'13	13°00'24	24°19'24	24°15'18	18°48'23	23°43'27	27°11'04	1°41'32	3°22'52	5°23'27	27°51'27	T 3
F 4	19 21 45	19°52'17	2°08'51	10°44'10	3°56'13	13°38'24	24°32'24	24°19'18	18°47'23	23°45'27	27°12'10	1°D41	3°19'52	5°29'27	27°48'27	F 4
S 5	19 25 41	20°49'33	14°44'10	10°22'50	5°09'14	14°16'24	24°45'24	24°24'18	18°47'23	23°47'27	27°13'10	1°41'30	3°16'52	5°36'27	27°44'27	S 5
S 6	19 29 38	21°46'50	26°46'10	10°04'06	6°22'14	14°53'24	24°59'24	24°29'18	18°46'23	23°49'27	27°15'10	1°43'30	3°13'52	5°43'27	27°41'27	S 6
M 7	19 33 34	22°44'08	9°02'21	9°51'09	7°36'15	15°31'25	25°12'24	24°33'18	18°45'23	23°52'27	27°16'10	1°44'30	3°09'52	5°49'27	27°38'27	M 7
T 8	19 37 31	23°41'26	21°36'09	8°44'16	8°49'16	16°09'25	25°25'24	24°38'18	18°44'23	23°54'27	27°18'10	1°R45	3°06'52	5°56'27	27°34'27	T 8
W 9	19 41 27	24°38'44	4°08'32	9°D42	10°03'16	16°46'25	25°39'24	24°43'18	18°42'23	23°56'27	27°19'10	1°44'30	3°03'06	6°03'27	27°31'27	W 9
T 10	19 45 24	25°36'03	17°55'09	9°46'11	11°16'25	17°24'25	25°52'24	24°47'18	18°41'23	23°58'27	27°20'10	1°43'30	3°00'06	6°09'27	27°27'27	T 10
F 11	19 49 20	26°33'23	1°07'46	9°57'12	12°30'18	18°02'26	26°05'24	24°52'18	18°40'24	23°58'27	27°21'10	1°39'30	2°57'06	6°16'27	27°24'27	F 11
S 12	19 53 17	27°30'43	16°06'10	10°13'13	13°43'18	18°39'26	26°18'24	24°57'18	18°39'24	23°58'27	27°23'10	1°35'30	2°54'06	6°23'27	27°21'27	S 12
S 13	19 57 14	28°28'03	0°03'50	10°35'14	14°57'19	19°17'26	26°32'25	25°02'18	18°38'24	24°05'27	27°24'10	1°30'30	2°50'06	6°29'27	27°17'27	S 13
M14	20 01 10	29°25'24	15°53'11	11°04'16	16°10'19	19°55'26	26°45'25	25°08'18	18°36'24	24°07'27	27°25'10	1°26'30	2°47'06	6°36'27	27°14'27	M14
T 15	20 05 07	0°02'22	1°06'18	11°39'17	17°24'20	20°33'26	26°58'25	25°13'18	18°35'24	24°09'27	27°27'10	1°22'30	2°44'06	6°43'27	27°10'27	T 15
W16	20 09 03	1°20'09	16°19'12	12°20'18	18°37'21	21°10'27	27°12'25	25°18'18	18°34'24	24°12'27	27°28'10	1°20'30	2°41'06	6°49'27	27°07'27	W16
T 17	20 13 00	2°17'33	1°08'22	13°07'19	19°51'21	21°48'27	27°25'25	25°23'18	18°32'24	24°14'27	27°29'10	1°D19	2°38'06	6°56'27	27°04'27	T 17
F 18	20 16 56	3°14'58	16°08'14	14°01'21	21°50'22	22°26'27	27°38'25	25°29'18	18°31'24	24°16'27	27°30'10	1°20'30	2°34'06	7°03'27	27°00'27	F 18
S 19	20 20 53	4°12'24	0°07'30	15°00'22	22°18'23	23°04'27	27°51'25	25°34'18	18°29'24	24°18'27	27°32'10	1°21'30	2°31'06	7°09'27	26°57'27	S 19
S 20	20 24 49	5°09'52	14°27'16	16°05'23	23°32'23	23°42'28	28°05'25	25°40'18	18°28'24	24°20'27	27°33'10	1°23'30	2°28'06	7°16'27	26°54'27	S 20
M21	20 28 46	6°07'21	27°59'17	17°16'24	24°46'20	24°20'28	28°18'25	25°45'18	18°26'24	24°23'27	27°34'10	1°24'30	2°25'06	7°23'27	26°50'27	M21
T 22	20 32 43	7°04'51	11°08'06	18°32'26	26°00'24	24°58'28	28°31'25	25°51'18	18°25'24	24°25'27	27°35'10	1°R24	2°22'06	7°29'27	26°47'27	T 22
W23	20 36 39	8°02'22	23°53'19	19°54'27	27°13'25	25°35'28	28°44'25	25°57'18	18°23'24	24°27'27	27°36'10	1°23'30	2°19'06	7°36'27	26°44'27	W23
T 24	20 40 36	8°59'56	6°08'32	21°20'28	28°27'26	26°13'29	28°57'26	26°02'18	18°21'24	24°29'27	27°38'10	1°21'30	2°15'06	7°43'27	26°40'27	T 24
F 25	20 44 32	9°57'30	18°38'22	22°52'29	29°41'26	26°51'29	29°11'26	26°08'18	18°20'24	24°31'27	27°39'10	1°18'30	2°12'06	7°49'27	26°37'27	F 25
S 26	20 48 29	10°55'06	0°08'42	24°28'08	0°08'55	27°29'29	29°24'26	26°14'18	18°18'24	24°33'27	27°40'10	1°15'30	2°09'06	7°56'27	26°34'27	S 26
S 27	20 52 25	11°52'43	12°39'26	26°08'02	2°09'28	28°07'29	29°37'26	26°20'18	18°16'24	24°36'27	27°41'10	1°12'30	2°06'06	8°03'27	26°31'27	S 27
M28	20 56 22	12°50'22	24°30'27	27°51'32	3°23'28	28°45'29	29°50'26	26°26'18	18°14'24	24°38'27	27°42'10	1°09'30	2°03'06	8°09'27	26°28'27	M28
T 29	21 00 18	13°48'02	6°08'18	29°38'43	4°37'29	29°23'08	30°03'26	26°32'18	18°13'24	24°40'27	27°43'10	1°07'30	1°59'06	8°16'27	26°24'27	T 29
W30	21 04 15	14°45'43	18°06'14	1°08'28	5°51'00	0°08'16	0°16'26	26°38'18	18°11'24	24°42'27	27°44'10	1°06'30	1°56'06	8°23'27	26°21'27	W30
T 31	21 08 12	15°04'32	29°08'55	3°08'21	7°08'15	0°08'40	0°08'29	26°08'44	18°08'09	24°08'44	27°08'45	1°D05	1°08'53	8°08'29	26°08'18	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22n26	17n53	2s55	18n 6	4s52	23n23	0s 8	18n28	1n12	21n47	0n24	4n27	2n18	5s 9	0s47	21n 5
W 2	22 18	16 5	1 59	18 11	4 50	23 25	0 6	18 17	1 11	21 45	0 24	4 25	2 17	5 10	0 47	21 5
T 3	22 10	13 37	0 57	18 17	4 46	23 26	0 3	18 6	1 11	21 43	0 24	4 23	2 17	5 10	0 47	21 5
F 4	22 2	10 35	0n 6	18 25	4 41	23 27	0 1	17 55	1 11	21 40	0 24	4 21	2 17	5 10	0 47	21 4
S 5	21 54	7 7	1 11	18 33	4 34	23 27	0n 2	17 44	1 11	21 38	0 24	4 19	2 17	5 11	0 47	21 4
S 6	21 45	3 19	2 12	18 42	4 26	23 26	0 4	17 32	1 11	21 36	0 24	4 17	2 17	5 11	0 47	21 3
M 7	21 35	0s41	3 10	18 53	4 17	23 25	0 7	17 21	1 10	21 33	0 24	4 15	2 17	5 12	0 47	21 3
T 8	21 26	4 45	3 59	19 4	4 6	23 22	0 9	17 10	1 10	21 31	0 24	4 13	2 16	5 12	0 47	21 3
W 9	21 16	8 43	4 38	19 15	3 55	23 20	0 12	16 58	1 10	21 29	0 24	4 11	2 16	5 12	0 47	21 2
T 10	21 5	12 22	5 3	19 27	3 42	23 16	0 14	16 46	1 10	21 26	0 24	4 9	2 16	5 13	0 47	21 2
F 11	20 54	15 29	5 12	19 40	3 29	23 12	0 17	16 34	1 9	21 24	0 25	4 7	2 16	5 13	0 48	21 2
S 12	20 43	17 46	5 2	19 52	3 15	23 7	0 19	16 22	1 9	21 21	0 25	4 5	2 16	5 14	0 48	21 1
S 13	20 32	18 58	4 33	20 5	3 1	23 2	0 22	16 10	1 9	21 19	0 25	4 3	2 16	5 14	0 48	21 1
M14	20 20	18 52	3 44	20 18	2 46	22 56	0 24	15 58	1 9	21 17	0 25	4 1	2 15	5 15	0 48	21 0
T 15	20 8	17 24	2 38	20 30	2 31	22 49	0 26	15 46	1 8	21 14	0 25	3 59	2 15	5 16	0 48	21 0
W16	19 55	14 42	1 21	20 42	2 15	22 41	0 29	15 34	1 8	21 12	0 25	3 56	2 15	5 16	0 48	21 0
T 17	19 43	11 1	0s 0	20 53	2 0	22 33	0 31	15 21	1 8	21 9	0 25	3 54	2 15	5 17	0 48	20 59
F 18	19 29	6 43	1 20	21 3	1 44	22 24	0 33	15 9	1 8	21 7	0 25	3 52	2 15	5 17	0 48	20 59
S 19	19 16	2 9	2 34	21 12	1 28	22 14	0 35	14 56	1 7	21 4	0 25	3 49	2 15	5 18	0 48	20 59
S 20	19 2	2n24	3 35	21 20	1 13	22 4	0 37	14 43	1 7	21 1	0 25	3 47	2 15	5 18	0 48	20 58
M21	18 48	6 41	4 23	21 26	0 58	21 53	0 40	14 30	1 7	20 59	0 25	3 45	2 14	5 19	0 48	20 58
T 22	18 33	10 31	4 56	21 31	0 43	21 42	0 42	14 17	1 7	20 56	0 26	3 42	2 14	5 20	0 48	20 57
W23	18 19	13 45	5 12	21 34	0 28	21 30	0 44	14 4	1 6	20 54	0 26	3 40	2 14	5 20	0 48	20 57
T 24	18 4	16 17	5 14	21 35	0 14	21 17	0 46	13 51	1 6	20 51	0 26	3 38	2 14	5 21	0 48	20 57
F 25	17 48	18 2	5 1	21 33	0 1	21 3	0 48	13 38	1 6	20 48	0 26	3 35	2 14	5 22	0 48	20 56
S 26	17 33	18 56	4 35	21 29	0n12	20 49	0 50	13 24	1 6	20 46	0 26	3 33	2 14	5 23	0 48	20 56
S 27	17 17	18 59	3 57	21 23	0 24	20 35	0 52	13 11	1 5	20 43	0 26	3 30	2 14	5 23	0 48	20 56
M28	17 1	18 11	3 9	21 14	0 35	20 20	0 54	12 57	1 5	20 40	0 26	3 28	2 13	5 24	0 48	20 55
T 29	16 44	16 36	2 13	21 2	0 46	20 4	0 55	12 44	1 5	20 38	0 26	3 25	2 13	5 25	0 48	20 55
W30	16 27	14 19	1 11	20 48	0 56	19 47	0 57	12 30	1 4	20 35	0 26	3 23	2 13	5 25	0 48	20 54
T 31	16n10	11n26	0s 6	20n31	1n 5	19n30	0n59	12n16	1n 4	20n32	0n26	3n20	2n13	5s26	0s48	20n54

Julian Day Number = 2240259.5, Delta T = 07m18s

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'12", Lahiri = 15°47'13" Julian Calendar 1 July 1421 == Greg. Calendar 10 July 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

AUGUST 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21 12 8	16 ⁰ 41'09	11 ¹ 49	5 ⁰ 16	8 ⁰ 19	1 ¹ 18	0 ⁰ 42	26 ¹ 50	18°R 7	24 ² 46	27 ¹ 46	1 ¹ 6	1 ¹ 50	8 ⁰ 36	26°R15	F 1
S 2	21 16 5	17°38'54	23°48	7°13	9°33	1°56	0°55	26°56	18 ¹ 5	24°48	27°47	1° 6	1°47	8°43	26 ² 12	S 2
S 3	21 20 1	18°36'41	5 ⁰ 57	9°11	10°47	2°34	1° 8	27° 3	18° 3	24°50	27°48	1° 7	1°44	8°49	26° 9	S 3
M 4	21 23 58	19°34'28	18°18	11°10	12° 1	3°12	1°21	27° 9	18° 1	24°52	27°49	1° 9	1°40	8°56	26° 6	M 4
T 5	21 27 54	20°32'17	0 ⁰ 55	13° 9	13°16	3°50	1°34	27°15	17°59	24°55	27°50	1° 9	1°37	9° 3	26° 3	T 5
W 6	21 31 51	21°30'07	13°51	15°10	14°30	4°29	1°47	27°22	17°57	24°57	27°51	1°10	1°34	9° 9	26° 0	W 6
T 7	21 35 47	22°27'58	27° 9	17°10	15°44	5° 7	2° 0	27°28	17°55	24°59	27°52	1°R10	1°31	9°16	25°57	T 7
F 8	21 39 44	23°25'51	10 ⁰ 52	19°10	16°58	5°45	2°13	27°35	17°53	25° 1	27°53	1°10	1°28	9°22	25°54	F 8
S 9	21 43 41	24°23'44	24°59	21° 9	18°13	6°23	2°25	27°41	17°50	25° 3	27°54	1° 9	1°25	9°29	25°51	S 9
S 10	21 47 37	25°21'39	9 ⁰ 30	23° 8	19°27	7° 2	2°38	27°48	17°48	25° 5	27°55	1° 8	1°21	9°36	25°49	S 10
M11	21 51 34	26°19'36	24°21	25° 7	20°41	7°40	2°51	27°55	17°46	25° 7	27°56	1° 8	1°18	9°42	25°46	M11
T 12	21 55 30	27°17'34	9 ⁰ 25	27° 4	21°55	8°18	3° 3	28° 1	17°44	25° 9	27°57	1° 8	1°15	9°49	25°43	T 12
W13	21 59 27	28°15'33	24°34	29° 1	23°10	8°57	3°16	28° 8	17°42	25°10	27°57	1°D 7	1°12	9°56	25°41	W13
T 14	22 3 23	29°13'34	9 ⁰ 39	0 ⁰ 57	24°24	9°35	3°29	28°15	17°40	25°12	27°58	1° 7	1° 9	10° 2	25°38	T 14
F 15	22 7 20	0 ⁰ 11'36	24°31	2°51	25°39	10°13	3°41	28°21	17°37	25°14	27°59	1° 7	1° 5	10° 9	25°35	F 15
S 16	22 11 16	1° 9'41	9 ⁰ Y 3	4°45	26°53	10°52	3°54	28°28	17°35	25°16	28° 0	1°R 8	1° 2	10°16	25°33	S 16
S 17	22 15 13	2° 7'47	23°10	6°37	28° 7	11°30	4° 6	28°35	17°33	25°18	28° 1	1° 7	0°59	10°22	25°31	S 17
M18	22 19 10	3° 5'55	6 ⁰ 50	8°28	29°22	12° 9	4°19	28°42	17°30	25°20	28° 1	1° 7	0°56	10°29	25°28	M18
T 19	22 23 6	4° 4'06	20° 4	10°18	0 ⁰ 36	12°47	4°31	28°49	17°28	25°22	28° 2	1° 7	0°53	10°36	25°26	T 19
W20	22 27 3	5° 2'18	2 ⁰ 53	12° 7	1°51	13°26	4°43	28°56	17°26	25°24	28° 3	1°D 7	0°50	10°42	25°23	W20
T 21	22 30 59	6° 0'32	15°22	13°54	3° 5	14° 4	4°55	29° 3	17°23	25°25	28° 3	1° 7	0°46	10°49	25°21	T 21
F 22	22 34 56	6°58'49	27°34	15°41	4°20	14°43	5° 8	29°10	17°21	25°27	28° 4	1° 7	0°43	10°56	25°19	F 22
S 23	22 38 52	7°57'08	9 ⁰ 34	17°26	5°35	15°22	5°20	29°17	17°19	25°29	28° 5	1° 8	0°40	11° 2	25°17	S 23
S 24	22 42 49	8°55'28	21°27	19°10	6°49	16° 0	5°32	29°24	17°16	25°31	28° 5	1° 9	0°37	11° 9	25°15	S 24
M25	22 46 45	9°53'51	3 ⁰ 15	20°53	8° 4	16°39	5°44	29°31	17°14	25°32	28° 6	1°10	0°34	11°16	25°13	M25
T 26	22 50 42	10°52'16	15° 2	22°35	9°18	17°18	5°56	29°38	17°12	25°34	28° 6	1°10	0°31	11°22	25°11	T 26
W27	22 54 39	11°50'42	26°53	24°16	10°33	17°56	6° 8	29°45	17° 9	25°36	28° 7	1°R11	0°27	11°29	25° 9	W27
T 28	22 58 35	12°49'11	8 ⁰ 48	25°55	11°48	18°35	6°20	29°52	17° 7	25°37	28° 8	1°11	0°24	11°36	25° 7	T 28
F 29	23 2 32	13°47'41	20°50	27°34	13° 2	19°14	6°32	29°59	17° 4	25°39	28° 8	1°10	0°21	11°42	25° 5	F 29
S 30	23 6 28	14°46'14	3 ⁰ 2	29°11	14°17	19°53	6°43	0 ⁰ 6	17° 2	25°41	28° 9	1° 9	0°18	11°49	25° 3	S 30
S 31	23 10 25	15 ¹ 44'48	15 ⁰ 24	0 ⁰ 48	15 ¹ 32	20 ¹ 32	6 ⁰ 55	0 ⁰ 14	17 ¹ 0	25 ² 42	28 ¹ 9	1 ¹ 7	0 ⁰ 15	11 ⁰ 56	25 ² 2	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	15n53	8n 4	0n59	20n11	1n13	19n13	1n 1	12n 2	1n 4	20n30	0n27	3n18	2n13	5s27	0s48	20n54
S 2	15 35	4 21	2 3	19 49	1 20	18 55	1 2	11 49	1 4	20 27	0 27	3 15	2 13	5 28	0 48	20 53
S 3	15 0	0 25	3 2	19 24	1 26	18 36	1 4	11 34	1 3	20 24	0 27	3 12	2 13	5 29	0 48	20 53
M 4	15 0	3s36	3 53	18 57	1 32	18 17	1 5	11 20	1 3	20 21	0 27	3 10	2 13	5 29	0 48	20 53
T 5	14 41	7 32	4 35	18 27	1 36	17 57	1 7	11 6	1 3	20 19	0 27	3 7	2 13	5 30	0 48	20 52
W 6	14 23	11 13	5 3	17 56	1 40	17 37	1 8	10 52	1 2	20 16	0 27	3 5	2 13	5 31	0 48	20 52
T 7	14 4	14 26	5 17	17 22	1 43	17 17	1 10	10 38	1 2	20 13	0 27	3 2	2 12	5 32	0 48	20 52
F 8	13 45	16 58	5 13	16 47	1 45	16 55	1 11	10 23	1 2	20 10	0 27	2 59	2 12	5 33	0 48	20 51
S 9	13 26	18 35	4 51	16 10	1 46	16 34	1 12	10 9	1 1	20 8	0 27	2 57	2 12	5 34	0 48	20 51
S 10	13 6	19 1	4 9	15 31	1 46	16 12	1 13	9 54	1 1	20 5	0 28	2 54	2 12	5 34	0 48	20 50
M11	12 47	18 11	3 11	14 51	1 46	15 49	1 15	9 40	1 1	20 2	0 28	2 51	2 12	5 35	0 48	20 50
T 12	12 27	16 3	1 58	14 10	1 45	15 26	1 16	9 25	1 1	19 59	0 28	2 48	2 12	5 36	0 48	20 50
W13	12 7	12 48	0 36	13 29	1 44	15 3	1 17	9 10	1 0	19 56	0 28	2 46	2 12	5 37	0 48	20 49
T 14	11 47	8 42	0s47	12 46	1 42	14 39	1 18	8 55	1 0	19 53	0 28	2 43	2 12	5 38	0 48	20 49
F 15	11 26	4 7	2 7	12 2	1 40	14 15	1 19	8 41	1 0	19 51	0 28	2 40	2 12	5 39	0 48	20 49
S 16	11 6	0n36	3 16	11 18	1 37	13 50	1 19	8 26	0 59	19 48	0 28	2 37	2 12	5 40	0 48	20 48
S 17	10 45	5 9	4 11	10 33	1 33	13 25	1 20	8 11	0 59	19 45	0 28	2 35	2 12	5 41	0 48	20 48
M18	10 24	9 16	4 50	9 48	1 29	13 0	1 21	7 56	0 59	19 42	0 29	2 32	2 12	5 42	0 48	20 48
T 19	10 3	12 48	5 12	9 2	1 25	12 34	1 22	7 41	0 58	19 39	0 29	2 29	2 11	5 42	0 48	20 47
W20	9 42	15 36	5 18	8 17	1 21	12 8	1 22	7 25	0 58	19 36	0 29	2 26	2 11	5 43	0 48	20 47
T 21	9 20	17 36	5 8	7 31	1 16	11 41	1 23	7 10	0 58	19 34	0 29	2 23	2 11	5 44	0 48	20 47
F 22	8 58	18 45	4 45	6 45	1 10	11 15	1 23	6 55	0 57	19 31	0 29	2 21	2 11	5 45	0 48	20 46
S 23	8 37	19 1	4 9	5 58	1 5	10 47	1 24	6 40	0 57	19 28	0 29	2 18	2 11	5 46	0 48	20 46
S 24	8 15	18 27	3 23	5 12	0 59	10 20	1 24	6 24	0 57	19 25	0 29	2 15	2 11	5 47	0 48	20 46
M25	7 53	17 4	2 29	4 26	0 53	9 52	1 24	6 9	0 56	19 22	0 29	2 12	2 11	5 48	0 48	20 45
T 26	7 31	14 58	1 28	3 40	0 47	9 25	1 25	5 54	0 56	19 19	0 30	2 9	2 11	5 49	0 48	20 45
W27	7 8	12 13	0 24	2 54	0 40	8 56	1 25	5 38	0 56	19 17	0 30	2 6	2 11	5 50	0 48	20 45
T 28	6 46	8 57	0n42	2 8	0 33	8 28	1 25	5 23	0 55	19 14	0 30	2 3	2 11	5 51	0 48	20 45
F 29	6 24	5 17	1 47	1 23	0 27	7 59	1 25	5 7	0 55	19 11	0 30	2 0	2 11	5 52	0 48	20 44
S 30	6 1	1 21	2 48	0 37	0 20	7 30	1 25	4 51	0 55	19 8	0 30	1 58	2 11	5 53	0 48	20 44
S 31	5n38	2s41	3n41	0s 7	0n13	7n 1	1n25	4n36	0n54	19n 5	0n30	1n55	2n11	5s54	0s48	20n44

Julian Day Number = 2240290.5, Delta T = 07m18s

Ecliptic obliquity = 23°30'44, Nutation = - 0°00'07, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'16, Lahiri = 15°47'17 Julian Calendar 1 Aug. 1421 == Greg. Calendar 10 Aug. 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

SEPTEMBER 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	23 14 21	16 ¹⁷ 43'24	27 ¹² 59	2 ¹² 23	16 ¹⁷ 47	21 ¹⁷ 10	7 ¹² 7	0 ¹² 21	16 ¹⁷ 57	25 ¹² 44	28 ¹⁷ 9	1 ¹⁷ 5	0 ¹⁷ 11	12 ¹⁷ 2	25 ¹⁷ 0	M 1
T 2	23 18 18	17 ¹⁷ 42'02	10 ¹⁷ 47	3 ¹⁷ 58	18 ¹⁷ 1	21 ¹⁷ 49	7 ¹⁷ 18	0 ¹⁷ 28	16 ¹⁷ 55	25 ¹⁷ 45	28 ¹⁷ 10	1 ¹⁷ 2	0 ¹⁷ 8	12 ¹⁷ 9	24 ¹⁷ 59	T 2
W 3	23 22 14	18 ¹⁷ 40'41	23 ¹⁷ 50	5 ¹⁷ 31	19 ¹⁷ 16	22 ¹⁷ 28	7 ¹⁷ 30	0 ¹⁷ 35	16 ¹⁷ 52	25 ¹⁷ 47	28 ¹⁷ 10	1 ¹⁷ 0	0 ¹⁷ 5	12 ¹⁷ 15	24 ¹⁷ 57	W 3
T 4	23 26 11	19 ¹⁷ 39'23	7 ¹⁷ 10	7 ¹⁷ 3	20 ¹⁷ 31	23 ¹⁷ 7	7 ¹⁷ 41	0 ¹⁷ 43	16 ¹⁷ 50	25 ¹⁷ 48	28 ¹⁷ 11	0 ¹⁷ 59	0 ¹⁷ 2	12 ¹⁷ 22	24 ¹⁷ 56	T 4
F 5	23 30 7	20 ¹⁷ 38'06	20 ¹⁷ 48	8 ¹⁷ 35	21 ¹⁷ 46	23 ¹⁷ 46	7 ¹⁷ 52	0 ¹⁷ 50	16 ¹⁷ 47	25 ¹⁷ 50	28 ¹⁷ 11	0 ¹⁷ D59	29 ¹⁷ 59	12 ¹⁷ 29	24 ¹⁷ 54	F 5
S 6	23 34 4	21 ¹⁷ 36'51	4 ¹⁷ 44	10 ¹⁷ 5	23 ¹⁷ 0	24 ¹⁷ 25	8 ¹⁷ 4	0 ¹⁷ 57	16 ¹⁷ 45	25 ¹⁷ 51	28 ¹⁷ 11	0 ¹⁷ 59	29 ¹⁷ 56	12 ¹⁷ 35	24 ¹⁷ 53	S 6
S 7	23 38 1	22 ¹⁷ 35'37	18 ¹⁷ 58	11 ¹⁷ 35	24 ¹⁷ 15	25 ¹⁷ 4	8 ¹⁷ 15	1 ¹⁷ 5	16 ¹⁷ 43	25 ¹⁷ 53	28 ¹⁷ 12	1 ¹⁷ 0	29 ¹⁷ 52	12 ¹⁷ 42	24 ¹⁷ 52	S 7
M 8	23 41 57	23 ¹⁷ 34'25	3 ¹⁷ 29	13 ¹⁷ 3	25 ¹⁷ 30	25 ¹⁷ 43	8 ¹⁷ 26	1 ¹⁷ 12	16 ¹⁷ 40	25 ¹⁷ 54	28 ¹⁷ 12	1 ¹⁷ 2	29 ¹⁷ 49	12 ¹⁷ 49	24 ¹⁷ 51	M 8
T 9	23 45 54	24 ¹⁷ 33'15	18 ¹⁷ 12	14 ¹⁷ 30	26 ¹⁷ 45	26 ¹⁷ 22	8 ¹⁷ 37	1 ¹⁷ 19	16 ¹⁷ 38	25 ¹⁷ 55	28 ¹⁷ 12	1 ¹⁷ 3	29 ¹⁷ 46	12 ¹⁷ 55	24 ¹⁷ 49	T 9
W10	23 49 50	25 ¹⁷ 32'07	3 ¹⁷ 3	15 ¹⁷ 57	28 ¹⁷ 0	27 ¹⁷ 1	8 ¹⁷ 48	1 ¹⁷ 26	16 ¹⁷ 36	25 ¹⁷ 57	28 ¹⁷ 12	1 ¹⁷ R 3	29 ¹⁷ 43	13 ¹⁷ 2	24 ¹⁷ 48	W10
T 11	23 53 47	26 ¹⁷ 31'01	17 ¹⁷ 54	17 ¹⁷ 22	29 ¹⁷ 14	27 ¹⁷ 41	8 ¹⁷ 59	1 ¹⁷ 34	16 ¹⁷ 33	25 ¹⁷ 58	28 ¹⁷ 13	1 ¹⁷ 2	29 ¹⁷ 40	13 ¹⁷ 9	24 ¹⁷ 47	T 11
F 12	23 57 43	27 ¹⁷ 29'56	2 ¹⁷ 38	18 ¹⁷ 46	0 ¹⁷ 29	28 ¹⁷ 20	9 ¹⁷ 9	1 ¹⁷ 41	16 ¹⁷ 31	25 ¹⁷ 59	28 ¹⁷ 13	1 ¹⁷ 0	29 ¹⁷ 36	13 ¹⁷ 15	24 ¹⁷ 47	F 12
S 13	0 1 40	28 ¹⁷ 28'54	17 ¹⁷ 7	20 ¹⁷ 10	1 ¹⁷ 44	28 ¹⁷ 59	9 ¹⁷ 20	1 ¹⁷ 49	16 ¹⁷ 28	26 ¹⁷ 0	28 ¹⁷ 13	0 ¹⁷ 57	29 ¹⁷ 33	13 ¹⁷ 22	24 ¹⁷ 46	S 13
S 14	0 5 36	29 ¹⁷ 27'53	1 ¹⁷ 16	21 ¹⁷ 32	2 ¹⁷ 59	29 ¹⁷ 38	9 ¹⁷ 31	1 ¹⁷ 56	16 ¹⁷ 26	26 ¹⁷ 2	28 ¹⁷ 13	0 ¹⁷ 53	29 ¹⁷ 30	13 ¹⁷ 29	24 ¹⁷ 45	S 14
M15	0 9 33	0 ¹⁷ 26'56	15 ¹⁷ 1	22 ¹⁷ 53	4 ¹⁷ 14	0 ¹⁷ 17	9 ¹⁷ 41	2 ¹⁷ 3	16 ¹⁷ 24	26 ¹⁷ 3	28 ¹⁷ 13	0 ¹⁷ 48	29 ¹⁷ 27	13 ¹⁷ 35	24 ¹⁷ 44	M15
T 16	0 13 30	1 ¹⁷ 26'00	28 ¹⁷ 19	24 ¹⁷ 12	5 ¹⁷ 29	0 ¹⁷ 57	9 ¹⁷ 52	2 ¹⁷ 11	16 ¹⁷ 21	26 ¹⁷ 4	28 ¹⁷ 13	0 ¹⁷ 44	29 ¹⁷ 24	13 ¹⁷ 42	24 ¹⁷ 44	T 16
W17	0 17 26	2 ¹⁷ 25'07	11 ¹⁷ 13	25 ¹⁷ 31	6 ¹⁷ 44	1 ¹⁷ 36	10 ¹⁷ 2	2 ¹⁷ 18	16 ¹⁷ 19	26 ¹⁷ 5	28 ¹⁷ 13	0 ¹⁷ 41	29 ¹⁷ 21	13 ¹⁷ 49	24 ¹⁷ 43	W17
T 18	0 21 23	3 ¹⁷ 24'16	23 ¹⁷ 45	26 ¹⁷ 48	7 ¹⁷ 59	2 ¹⁷ 15	10 ¹⁷ 12	2 ¹⁷ 25	16 ¹⁷ 17	26 ¹⁷ 6	28 ¹⁷ 13	0 ¹⁷ 39	29 ¹⁷ 17	13 ¹⁷ 55	24 ¹⁷ 43	T 18
F 19	0 25 19	4 ¹⁷ 23'27	5 ¹⁷ 58	28 ¹⁷ 4	9 ¹⁷ 14	2 ¹⁷ 55	10 ¹⁷ 22	2 ¹⁷ 33	16 ¹⁷ 15	26 ¹⁷ 7	28 ¹⁷ 14	0 ¹⁷ D39	29 ¹⁷ 14	14 ¹⁷ 2	24 ¹⁷ 42	F 19
S 20	0 29 16	5 ¹⁷ 22'41	17 ¹⁷ 58	29 ¹⁷ 18	10 ¹⁷ 29	3 ¹⁷ 34	10 ¹⁷ 33	2 ¹⁷ 40	16 ¹⁷ 12	26 ¹⁷ 8	28 ¹⁷ R14	0 ¹⁷ 39	29 ¹⁷ 11	14 ¹⁷ 9	24 ¹⁷ 42	S 20
S 21	0 33 12	6 ¹⁷ 21'57	29 ¹⁷ 49	0 ¹⁷ 13	11 ¹⁷ 44	4 ¹⁷ 14	10 ¹⁷ 42	2 ¹⁷ 47	16 ¹⁷ 10	26 ¹⁷ 9	28 ¹⁷ 14	0 ¹⁷ 41	29 ¹⁷ 8	14 ¹⁷ 15	24 ¹⁷ 42	S 21
M22	0 37 9	7 ¹⁷ 21'15	11 ¹⁷ 37	1 ¹⁷ 42	12 ¹⁷ 58	4 ¹⁷ 53	10 ¹⁷ 52	2 ¹⁷ 55	16 ¹⁷ 8	26 ¹⁷ 10	28 ¹⁷ 13	0 ¹⁷ 43	29 ¹⁷ 5	14 ¹⁷ 22	24 ¹⁷ 41	M22
T 23	0 41 5	8 ¹⁷ 20'36	23 ¹⁷ 25	2 ¹⁷ 51	14 ¹⁷ 13	5 ¹⁷ 33	11 ¹⁷ 2	3 ¹⁷ 2	16 ¹⁷ 6	26 ¹⁷ 11	28 ¹⁷ 13	0 ¹⁷ 44	29 ¹⁷ 2	14 ¹⁷ 28	24 ¹⁷ 41	T 23
W24	0 45 2	9 ¹⁷ 19'59	5 ¹⁷ 19	3 ¹⁷ 59	15 ¹⁷ 28	6 ¹⁷ 12	11 ¹⁷ 12	3 ¹⁷ 9	16 ¹⁷ 4	26 ¹⁷ 12	28 ¹⁷ 13	0 ¹⁷ R44	28 ¹⁷ 58	14 ¹⁷ 35	24 ¹⁷ D41	W24
T 25	0 48 59	10 ¹⁷ 19'24	17 ¹⁷ 22	5 ¹⁷ 4	16 ¹⁷ 43	6 ¹⁷ 52	11 ¹⁷ 21	3 ¹⁷ 17	16 ¹⁷ 2	26 ¹⁷ 13	28 ¹⁷ 13	0 ¹⁷ 43	28 ¹⁷ 55	14 ¹⁷ 42	24 ¹⁷ 41	T 25
F 26	0 52 55	11 ¹⁷ 18'51	29 ¹⁷ 36	6 ¹⁷ 7	17 ¹⁷ 58	7 ¹⁷ 32	11 ¹⁷ 31	3 ¹⁷ 24	15 ¹⁷ 59	26 ¹⁷ 14	28 ¹⁷ 13	0 ¹⁷ 39	28 ¹⁷ 52	14 ¹⁷ 48	24 ¹⁷ 41	F 26
S 27	0 56 52	12 ¹⁷ 18'20	12 ¹⁷ 3	7 ¹⁷ 8	19 ¹⁷ 13	8 ¹⁷ 11	11 ¹⁷ 40	3 ¹⁷ 31	15 ¹⁷ 57	26 ¹⁷ 15	28 ¹⁷ 13	0 ¹⁷ 34	28 ¹⁷ 49	14 ¹⁷ 55	24 ¹⁷ 41	S 27
S 28	1 0 48	13 ¹⁷ 17'51	24 ¹⁷ 44	8 ¹⁷ 6	20 ¹⁷ 28	8 ¹⁷ 51	11 ¹⁷ 49	3 ¹⁷ 39	15 ¹⁷ 55	26 ¹⁷ 16	28 ¹⁷ 13	0 ¹⁷ 27	28 ¹⁷ 46	15 ¹⁷ 2	24 ¹⁷ 42	S 28
M29	1 4 45	14 ¹⁷ 17'25	7 ¹⁷ 13	9 ¹⁷ 1	21 ¹⁷ 43	9 ¹⁷ 31	11 ¹⁷ 58	3 ¹⁷ 46	15 ¹⁷ 53	26 ¹⁷ 16	28 ¹⁷ 13	0 ¹⁷ 19	28 ¹⁷ 42	15 ¹⁷ 8	24 ¹⁷ 42	M29
T 30	1 8 41	15 ¹⁷ 17'00	20 ¹⁷ 14	9 ¹⁷ 12	22 ¹⁷ 58	10 ¹⁷ 10	12 ¹⁷ 7	3 ¹⁷ 53	15 ¹⁷ 51	26 ¹⁷ 17	28 ¹⁷ 12	0 ¹⁷ 11	28 ¹⁷ 39	15 ¹⁷ 15	24 ¹⁷ 42	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	5n15	6s40	4n25	0s52	0n 5	6n32	1n24	4n20	0n54	19n 2	0n30	1n52	2n11	5s55	0s48	20n43	0s21	18n46	4s44	11n 8	11n26	15n42	14s 5	7n13			
T 2	4 53	10 24	4 57	1 36	0s 2	6 2	1 24	4 4	0 54	19 0	0 31	1 49	2 11	5 56	0 48	20 43	0 21	18 45	4 45	11 8	11 27	15 41	14 6	7 13			
W 3	4 30	13 43	5 13	2 20	0 9	5 33	1 24	3 49	0 53	18 57	0 31	1 46	2 11	5 56	0 48	20 43	0 21	18 45	4 45	11 9	11 29	15 39	14 7	7 12			
T 4	4 6	16 24	5 14	3 4	0 17	5 3	1 24	3 33	0 53	18 54	0 31	1 43	2 11	5 57	0 48	20 43	0 21	18 45	4 45	11 9	11 30	15 38	14 7	7 12			
F 5	3 43	18 15	4 57	3 47	0 24	4 33	1 23	3 17	0 52	18 51	0 31	1 40	2 11	5 58	0 48	20 42	0 21	18 45	4 45	11 10	11 31	15 37	14 8	7 12			
S 6	3 20	19 3	4 23	4 29	0 32	4 3	1 23	3 1	0 52	18 48	0 31	1 37	2 11	5 59	0 48	20 42	0 21	18 45	4 45	11 9	11 32	15 36	14 9	7 11			
S 7	2 57	18 40	3 32	5 12	0 39	3 33	1 22	2 45	0 52	18 46	0 31	1 34	2 11	6 0	0 48	20 42	0 21	18 45	4 45	11 9	11 33	15 35	14 9	7 11			
M 8	2 34	17 4	2 26	5 53	0 47	3 2	1 21	2 29	0 51	18 43	0 31	1 31	2 11	6 1	0 48	20 41	0 21	18 45	4 45	11 9	11 34	15 34	14 10	7 10			
T 9	2 10	14 18	1 10	6 34	0 54	2 32	1 21	2 14	0 51	18 40	0 32	1 28	2 11	6 2	0 48	20 41	0 21	18 45	4 45	11 8	11 35	15 33	14 11	7 10			
W10	1 47	10 35	0s11	7 14	1 2	2 1	1 20	1 58	0 51	18 37	0 32	1 26	2 11	6 3	0 48	20 41	0 21	18 45	4 45	11 8	11 36	15 32	14 11	7 9			
T 11	1 23	6 12	1 31	7 54	1 9	1 31	1 19	1 42	0 50	18 35	0 32	1 23	2 11	6 4	0 48	20 41	0 21	18 45	4 45	11 8	11 38	15 31	14 12	7 9			
F 12	1 0	1 28	2 45	8 33	1 17	1 0	1 18	1 26	0 50	18 32	0 32	1 20	2 11	6 5	0 48	20 41	0 21	18 45	4 45	11 9	11 39	15 30	14 13	7 8			
S 13	0 36	3n15	3 47	9 12	1 24	0 29	1 17	1 10	0 49	18 29	0 32	1 17	2 11	6 6	0 48	20 40	0 21	18 45	4 45	11 10	11 40	15 29	14 13	7 8			
S 14	0 13	7 41	4 33	9 50	1 31	0s 1	1 16	0 54	0 49	18 27	0 32	1 14	2 11	6 7	0 48	20 40	0 21	18 45	4 45	11 12	11 41	15 28	14 14	7 7			
M15	0s11	11 35	5 2	10 27	1 39	0 32	1 15	0 38	0 49	18 24	0 32	1 11	2 11	6 8	0 48	20 40	0 21	18 45	4 45	11 13	11 42	15 27	14 14	7 7			
T 16	0 34	14 45	5 13	11 3	1 46	1 3	1 14	0 22	0 48	18 21	0 33	1 8	2 11	6 8	0 48	20 40	0 21	18 45	4 45	11 15	11 43	15 26	14 15	7 6			
W17	0 58	17 6	5 8	11 39	1 53	1 34	1 13	0 6	0 48	18 19	0 33	1 5	2 11	6 9	0 48	20 39	0 21	18 45	4 45	11 16	11 44	15 25	14 16	7 6			
T 18	1 21	18 34	4 48	12 13	2 0	2 4	1 12	0s10	0 48	18 16	0 33	1 2	2 11	6 10	0 48	20 39	0 21	18 45	4 45	11 17	11 45	15 23	14 16	7 5			
F 19	1 45	19 7	4 16	12 47	2 6	2 35	1 11	0 27	0 47	18 13	0 33	0 59	2 11	6 11	0 48	20 39	0 21	18 45	4 45	11 17	11 46	15 22	14 17	7 5			
S 20	2 9	18 47	3 33	13 20	2 13	3 6	1 9	0 43	0 47	18 11	0 33	0 56	2 11	6 12	0 48	20 39	0 21	18 44	4 46	11 16	11 48	15 21	14 17	7 4			
S 21	2 32	17 38	2 41	13 52	2 19	3 36	1 8	0 59	0 46	18 8	0 33	0 54	2 11	6 13	0 48	20 39	0 21	18 44	4 46	11 16	11 49	15 20	14 18	7 4			
M22	2 56	15 43	1 43	14 22	2 25	4 7	1 7	1 15	0 46	18 6	0 34	0 51	2 11	6 14	0 48	20 38	0 21	18 44	4 46	11 15	11 50	15 19	14 18	7 3			
T 23	3 19	13 8	0 40	14 52	2 31	4 38	1 5	1 31	0 46	18 3	0 34	0 48	2 11	6 14	0 48	20 38	0 21	18 44	4 46	11 15	11 51	15 18	14 19	7 3			
W24	3 43	9 59	0n25	15 21	2 37	5 8	1 3	1 47	0 45	18 1	0 34	0 45	2 11	6 15	0 48	20 38	0 21	18 44	4 46	11 15	11 52	15 17	14 19	7 2			
T 25	4 6	6 23	1 29	15 48	2 42	5 38	1 2	2 3	0 45	17 58	0 34	0 42	2 11	6 16	0 48	20 38	0 21	18 44	4 46	11 15	11 53	15 16	14 20	7 2			
F 26	4 29	2 27	2 30	16 14	2 47	6 9	1 0	2 19	0 44	17 56	0 34	0 39	2 11	6 17	0 48	20 38	0 21	18 44	4 46	11 17	11 54	15 15	14 20	7 1			
S 27	4 53	1s38	3 25	16 38	2 52	6 39	0 59	2 35	0 44	17 53	0 34	0 36	2 11	6 18	0 48	20 38	0 21	18 44	4 46	11 18	11 55	15 14	14 21	7 1			
S 28	5 16	5 43	4 11	17 1	2 56	7 9	0 57	2 51	0 43	17 51	0 35	0 33	2 11	6 18	0 48	20 37	0 21	18 44	4 46	11 21	11 56	15 12	14 21	7 0			
M29	5 39	9 37	4 45	17 23	3 0	7 38	0 55	3 7	0 43	17 49	0 35	0 31	2 12	6 19	0 48	20 37	0 21	18 44	4 46	11 24	11 58	15 11	14 22	7 0			
T 30	6s 2	13s 7	5n 4	17s42	3s 3	8s 8	0n53	3s23	0n43	17n46	0n35	0n28	2n12	6s20	0s48	20n37	0s21	18n44	4s46	11n26	11n59	15n10	14s22	6n59			

ASTRODIENST EPHEMERIS for the year 1421

geocentric

OCTOBER 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	1 12 38	16♌16'37	4♈ 9	10♌40	24♌13	10♌50	12♌16	4♌ 1	15°R49	26♌18	28°R12	0°R 4	28♌36	15♌22	24♌43	W 1
T 2	1 16 34	17°16'16	17°41	11°24	25°28	11°30	12°25	4° 8	15°K47	26°18	28°II12	29♌59	28°33	15°28	24°43	T 2
F 3	1 20 31	18°15'57	1♌24	12° 4	26°43	12°10	12°34	4°15	15°45	26°19	28°12	29°55	28°30	15°35	24°44	F 3
S 4	1 24 27	19°15'40	15°18	12°39	27°59	12°50	12°42	4°22	15°43	26°20	28°11	29°D54	28°27	15°42	24°45	S 4
S 5	1 28 24	20°15'24	29°21	13° 8	29°14	13°30	12°51	4°29	15°42	26°20	28°11	29°54	28°23	15°48	24°45	S 5
M 6	1 32 21	21°15'10	13°34	13°32	0♌29	14° 9	12°59	4°37	15°40	26°21	28°11	29°55	28°20	15°55	24°46	M 6
T 7	1 36 17	22°14'58	27°54	13°49	1°44	14°49	13° 7	4°44	15°38	26°21	28°10	29°R56	28°17	16° 2	24°47	T 7
W 8	1 40 14	23°14'47	12°18	13°59	2°59	15°29	13°15	4°51	15°36	26°22	28°10	29°55	28°14	16° 8	24°48	W 8
T 9	1 44 10	24°14'38	26°44	14°R 1	4°14	16°10	13°23	4°58	15°34	26°22	28° 9	29°52	28°11	16°15	24°49	T 9
F 10	1 48 7	25°14'31	11°Y 7	13°56	5°29	16°50	13°31	5° 5	15°33	26°22	28° 9	29°47	28° 7	16°21	24°50	F 10
S 11	1 52 3	26°14'26	25°19	13°41	6°44	17°30	13°38	5°12	15°31	26°23	28° 8	29°39	28° 4	16°28	24°51	S 11
S 12	1 56 0	27°14'23	9♌17	13°18	7°59	18°10	13°46	5°19	15°29	26°23	28° 8	29°30	28° 1	16°35	24°52	S 12
M13	1 59 56	28°14'22	22°56	12°45	9°14	18°50	13°53	5°26	15°28	26°23	28° 7	29°20	27°58	16°41	24°54	M13
T 14	2 3 53	29°14'22	6♌13	12° 3	10°29	19°30	14° 0	5°33	15°26	26°24	28° 7	29°10	27°55	16°48	24°55	T 14
W15	2 7 50	0♌14'25	19° 7	11°12	11°44	20°10	14° 7	5°40	15°25	26°24	28° 6	29° 1	27°52	16°55	24°56	W15
T 16	2 11 46	1°14'30	1♌40	10°12	12°59	20°51	14°14	5°47	15°23	26°24	28° 6	28°55	27°48	17° 1	24°58	T 16
F 17	2 15 43	2°14'38	13°55	9° 5	14°14	21°31	14°21	5°54	15°22	26°24	28° 5	28°51	27°45	17° 8	24°59	F 17
S 18	2 19 39	3°14'47	25°55	7°52	15°29	22°11	14°28	6° 1	15°21	26°24	28° 5	28°49	27°42	17°15	25° 1	S 18
S 19	2 23 36	4°14'58	7♌46	6°35	16°44	22°52	14°34	6° 7	15°19	26°24	28° 4	28°D49	27°39	17°21	25° 3	S 19
M20	2 27 32	5°15'11	19°34	5°16	17°59	23°32	14°41	6°14	15°18	26°25	28° 3	28°49	27°36	17°28	25° 5	M20
T 21	2 31 29	6°15'27	1♌24	3°58	19°14	24°13	14°47	6°21	15°17	26°R25	28° 3	28°R49	27°33	17°35	25° 6	T 21
W22	2 35 25	7°15'44	13°20	2°43	20°29	24°53	14°53	6°28	15°15	26°25	28° 2	28°48	27°29	17°41	25° 8	W22
T 23	2 39 22	8°16'04	25°29	1°33	21°44	25°34	14°59	6°34	15°14	26°24	28° 1	28°45	27°26	17°48	25°10	T 23
F 24	2 43 19	9°16'25	7♌52	0°32	22°59	26°14	15° 4	6°41	15°13	26°24	28° 0	28°39	27°23	17°55	25°12	F 24
S 25	2 47 15	10°16'48	20°34	29♌39	24°14	26°55	15°10	6°47	15°12	26°24	28° 0	28°30	27°20	18° 1	25°14	S 25
S 26	2 51 12	11°17'13	3♌34	28°58	25°29	27°36	15°15	6°54	15°11	26°24	27°59	28°19	27°17	18° 8	25°17	S 26
M27	2 55 8	12°17'40	16°52	28°28	26°44	28°16	15°21	7° 0	15°10	26°24	27°58	28° 7	27°13	18°14	25°19	M27
T 28	2 59 5	13°18'08	0♌26	28° 9	27°59	28°57	15°26	7° 7	15° 9	26°24	27°57	27°54	27°10	18°21	25°21	T 28
W29	3 3 1	14°18'38	14°12	28°D 2	29°14	29°38	15°30	7°13	15° 8	26°23	27°57	27°43	27° 7	18°28	25°23	W29
T 30	3 6 58	15°19'10	28° 8	28° 7	0♌29	0♌19	15°35	7°20	15° 7	26°23	27°56	27°34	27° 4	18°34	25°26	T 30
F 31	3 10 54	16♌19'43	12♌ 9	28♌22	1♌45	0♌59	15♌40	7♌26	15°K 6	26♌23	27°II55	27♌27	27♌ 1	18♌41	25♌28	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	6s25	16s 0	5n 8	18s 0	3s 6	8s38	0n51	3s39	0n42	17n44	0n35	0n25	2n12	6s21	0s48	20n37
T 2	6 48	18 4	4 54	18 16	3 8	9 7	0 49	3 55	0 42	17 42	0 35	0 22	2 12	6 21	0 48	20 37
F 3	7 11	19 7	4 23	18 30	3 9	9 36	0 47	4 11	0 41	17 39	0 36	0 19	2 12	6 22	0 48	20 37
S 4	7 34	19 2	3 37	18 41	3 9	10 5	0 45	4 27	0 41	17 37	0 36	0 16	2 12	6 23	0 48	20 37
S 5	7 56	17 47	2 37	18 50	3 9	10 33	0 43	4 43	0 40	17 35	0 36	0 14	2 12	6 24	0 48	20 37
M 6	8 19	15 25	1 27	18 56	3 8	11 2	0 41	4 59	0 40	17 33	0 36	0 11	2 12	6 24	0 48	20 36
T 7	8 41	12 4	0 11	18 59	3 5	11 30	0 39	5 15	0 40	17 31	0 36	0 8	2 12	6 25	0 48	20 36
W 8	9 4	7 59	1s 6	18 59	3 2	11 58	0 37	5 31	0 39	17 29	0 37	0 5	2 12	6 26	0 48	20 36
T 9	9 26	3 25	2 19	18 55	2 57	12 25	0 35	5 47	0 39	17 26	0 37	0 3	2 12	6 26	0 48	20 36
F 10	9 48	1n18	3 22	18 47	2 51	12 52	0 33	6 3	0 38	17 24	0 37	0s 0	2 12	6 27	0 48	20 36
S 11	10 10	5 54	4 12	18 35	2 43	13 19	0 30	6 18	0 38	17 22	0 37	0 3	2 13	6 28	0 48	20 36
S 12	10 31	10 6	4 46	18 19	2 34	13 46	0 28	6 34	0 37	17 20	0 37	0 5	2 13	6 28	0 48	20 36
M13	10 53	13 41	5 3	17 59	2 23	14 12	0 26	6 50	0 37	17 18	0 37	0 8	2 13	6 29	0 48	20 36
T 14	11 14	16 27	5 2	17 33	2 10	14 38	0 24	7 6	0 36	17 17	0 38	0 11	2 13	6 29	0 48	20 36
W15	11 35	18 18	4 46	17 4	1 55	15 4	0 21	7 21	0 36	17 15	0 38	0 13	2 13	6 30	0 48	20 36
T 16	11 57	19 13	4 17	16 29	1 39	15 29	0 19	7 37	0 35	17 13	0 38	0 16	2 13	6 30	0 48	20 36
F 17	12 17	19 12	3 36	15 51	1 21	15 54	0 17	7 52	0 35	17 11	0 38	0 19	2 13	6 31	0 48	20 36
S 18	12 38	18 18	2 46	15 9	1 2	16 18	0 14	8 8	0 34	17 9	0 38	0 21	2 13	6 31	0 48	20 36
S 19	12 59	16 37	1 50	14 25	0 42	16 42	0 12	8 23	0 34	17 8	0 39	0 24	2 13	6 32	0 47	20 36
M20	13 19	14 13	0 49	13 39	0 22	17 6	0 9	8 39	0 34	17 6	0 39	0 26	2 14	6 32	0 47	20 36
T 21	13 39	11 14	0n14	12 53	0 1	17 29	0 7	8 54	0 33	17 4	0 39	0 29	2 14	6 33	0 47	20 36
W22	13 59	7 45	1 17	12 9	0n20	17 51	0 4	9 10	0 33	17 3	0 39	0 32	2 14	6 33	0 47	20 36
T 23	14 18	3 54	2 17	11 26	0 39	18 13	0 2	9 25	0 32	17 1	0 40	0 34	2 14	6 34	0 47	20 36
F 24	14 38	0s12	3 12	10 48	0 58	18 35	0s 1	9 40	0 32	17 0	0 40	0 37	2 14	6 34	0 47	20 36
S 25	14 57	4 22	3 59	10 13	1 14	18 56	0 3	9 55	0 31	16 58	0 40	0 39	2 14	6 35	0 47	20 36
S 26	15 16	8 27	4 34	9 45	1 30	19 17	0 6	10 10	0 31	16 57	0 40	0 41	2 14	6 35	0 47	20 36
M27	15 34	12 12	4 56	9 22	1 43	19 37	0 8	10 25	0 30	16 56	0 40	0 44	2 14	6 35	0 47	20 36
T 28	15 53	15 24	5 1	9 4	1 54	19 57	0 11	10 40	0 30	16 54	0 41	0 46	2 15	6 36	0 47	20 36
W29	16 11	17 47	4 49	8 53	2 3	20 16	0 13	10 55	0 29	16 53	0 41	0 49	2 15	6 36	0 47	20 36
T 30	16 29	19 10	4 20	8 48	2 11	20 34	0 16	11 10	0 29	16 52	0 41	0 51	2 15	6 36	0 47	20 36
F 31	16s46	19s23	3n35	8s48	2n17	20s52	0s18	11s25	0n28	16n51	0n41	0s53	2n15	6s36	0s47	20n36

Julian Day Number = 2240351.5, Delta T = 07m18s

Ecliptic obliquity = 23°30'44", Nutation = - 0°00'10", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'25", Lahiri = 15°47'25" Julian Calendar 1 Oct. 1421 == Greg. Calendar 10 Oct. 1421

ASTRODIENST EPHEMERIS for the year 1421

geocentric

NOVEMBER 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 14 51	17 ¹² 20'17	26 ³ 13	28 ² 46	3 ³ 0	1 ¹ 40	15 ¹² 44	7 ² 32	15°R 6	26°R23	27°R54	27°R23	26 ¹² 58	18 ¹² 48	25 ² 31	S 1
S 2	3 18 48	18°20'52	10 ² 18	29°20	4°15	2°21	15°48	7°38	15 ¹ 5	26 ¹² 22	27 ¹² 53	27 ¹² 22	26°54	18°54	25°33	S 2
M 3	3 22 44	19°21'29	24°23	0 ¹ 1	5°30	3° 2	15°52	7°44	15° 4	26°22	27°52	27°22	26°51	19° 1	25°36	M 3
T 4	3 26 41	20°22'07	8 ¹ 28	0°50	6°45	3°43	15°56	7°51	15° 4	26°21	27°51	27°22	26°48	19° 8	25°39	T 4
W 5	3 30 37	21°22'45	22°30	1°45	8° 0	4°24	16° 0	7°57	15° 3	26°21	27°50	27°20	26°45	19°14	25°42	W 5
T 6	3 34 34	22°23'25	6 ¹ 30	2°45	9°15	5° 5	16° 3	8° 3	15° 3	26°20	27°49	27°16	26°42	19°21	25°44	T 6
F 7	3 38 30	23°24'06	20°25	3°50	10°30	5°46	16° 7	8° 8	15° 2	26°20	27°48	27° 8	26°39	19°28	25°47	F 7
S 8	3 42 27	24°24'49	4 ¹ 12	4°59	11°45	6°27	16°10	8°14	15° 2	26°19	27°48	26°58	26°35	19°34	25°50	S 8
S 9	3 46 23	25°25'32	17°48	6°11	13° 0	7° 8	16°13	8°20	15° 1	26°18	27°47	26°46	26°32	19°41	25°53	S 9
M10	3 50 20	26°26'17	1 ¹ 10	7°27	14°15	7°50	16°16	8°26	15° 1	26°18	27°46	26°32	26°29	19°48	25°56	M10
T 11	3 54 17	27°27'04	14°14	8°45	15°30	8°31	16°18	8°32	15° 1	26°17	27°45	26°19	26°26	19°54	25°59	T 11
W12	3 58 13	28°27'51	27° 1	10° 6	16°45	9°12	16°21	8°37	15° 1	26°16	27°43	26° 7	26°23	20° 1	26° 3	W12
T 13	4 2 10	29°28'40	9 ¹ 30	11°28	18° 0	9°53	16°23	8°43	15° 0	26°16	27°42	25°58	26°19	20° 7	26° 6	T 13
F 14	4 6 6	0 ¹ 29'31	21°42	12°52	19°15	10°35	16°25	8°48	15° 0	26°15	27°41	25°51	26°16	20°14	26° 9	F 14
S 15	4 10 3	1°30'22	3 ¹ 42	14°17	20°30	11°16	16°27	8°54	15° 0	26°14	27°40	25°47	26°13	20°21	26°12	S 15
S 16	4 13 59	2°31'16	15°33	15°44	21°45	11°57	16°28	8°59	15°D 0	26°13	27°39	25°45	26°10	20°27	26°16	S 16
M17	4 17 56	3°32'10	27°20	17°11	22°59	12°39	16°30	9° 4	15° 0	26°12	27°38	25°45	26° 7	20°34	26°19	M17
T 18	4 21 52	4°33'06	9 ¹ 9	18°39	24°14	13°20	16°31	9° 9	15° 0	26°12	27°37	25°45	26° 4	20°41	26°23	T 18
W19	4 25 49	5°34'03	21° 6	20° 8	25°29	14° 2	16°32	9°15	15° 0	26°11	27°36	25°44	26° 0	20°47	26°26	W19
T 20	4 29 46	6°35'01	3 ¹ 15	21°38	26°44	14°44	16°33	9°20	15° 1	26°10	27°35	25°41	25°57	20°54	26°30	T 20
F 21	4 33 42	7°36'00	15°42	23° 8	27°59	15°25	16°34	9°25	15° 1	26° 9	27°34	25°36	25°54	21° 1	26°33	F 21
S 22	4 37 39	8°37'01	28°31	24°38	29°14	16° 7	16°34	9°30	15° 1	26° 8	27°33	25°28	25°51	21° 7	26°37	S 22
S 23	4 41 35	9°38'03	11 ¹ 43	26° 9	0 ¹ 29	16°48	16°34	9°34	15° 2	26° 7	27°31	25°17	25°48	21°14	26°41	S 23
M24	4 45 32	10°39'06	25°18	27°40	1°44	17°30	16°R35	9°39	15° 2	26° 6	27°30	25° 5	25°45	21°21	26°45	M24
T 25	4 49 28	11°40'09	9 ¹ 14	29°11	2°59	18°12	16°34	9°44	15° 2	26° 5	27°29	24°53	25°41	21°27	26°48	T 25
W26	4 53 25	12°41'14	23°27	0 ¹ 43	4°14	18°54	16°34	9°48	15° 3	26° 3	27°28	24°42	25°38	21°34	26°52	W26
T 27	4 57 21	13°42'19	7 ¹ 50	2°15	5°29	19°36	16°34	9°53	15° 4	26° 2	27°27	24°32	25°35	21°40	26°56	T 27
F 28	5 1 18	14°43'25	22°18	3°47	6°44	20°17	16°33	9°57	15° 4	26° 1	27°26	24°26	25°32	21°47	27° 0	F 28
S 29	5 5 15	15°44'32	6 ¹ 45	5°19	7°59	20°59	16°32	10° 2	15° 5	26° 0	27°24	24°22	25°29	21°54	27° 4	S 29
S 30	5 9 11	16 ¹ 45'38	21 ¹ 6	6 ¹ 52	9 ¹ 13	21 ¹ 41	16 ¹² 31	10 ¹ 6	15 ¹ 5	25 ¹² 59	27 ¹² 23	24°D21	25 ¹² 25	22 ¹² 0	27 ² 8	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	17s 4	18s24	2n37	8s53	2n21	21s 9	0s20	11s40	0n28	16n50	0n42	0s56	2n15	6s37	0s47	20n36	0s21	18n42	4s47	12n25	12n34	14n32	14s29	6n44			
S 2	17 21	16 17	1 29	9 2	2 23	21 26	0 23	11 54	0 27	16 49	0 42	0 58	2 15	6 37	0 47	20 36	0 21	18 42	4 47	12 25	12 35	14 31	14 29	6 43			
M 3	17 37	13 11	0 16	9 15	2 25	21 42	0 25	12 9	0 26	16 48	0 42	1 0	2 16	6 37	0 47	20 36	0 21	18 42	4 47	12 25	12 36	14 30	14 29	6 43			
T 4	17 54	9 19	0s58	9 32	2 25	21 58	0 28	12 23	0 26	16 47	0 42	1 3	2 16	6 37	0 47	20 36	0 21	18 42	4 47	12 26	12 37	14 29	14 29	6 42			
W 5	18 10	4 57	2 9	9 52	2 24	22 12	0 30	12 38	0 25	16 46	0 42	1 5	2 16	6 38	0 47	20 36	0 21	18 42	4 47	12 26	12 38	14 27	14 29	6 42			
T 6	18 25	0 20	3 11	10 15	2 22	22 27	0 33	12 52	0 25	16 45	0 43	1 7	2 16	6 38	0 47	20 37	0 21	18 42	4 47	12 28	12 39	14 26	14 29	6 42			
F 7	18 41	4n16	4 1	10 39	2 19	22 40	0 35	13 6	0 24	16 44	0 43	1 9	2 16	6 38	0 47	20 37	0 21	18 42	4 47	12 30	12 40	14 25	14 29	6 41			
S 8	18 56	8 36	4 37	11 6	2 15	22 53	0 38	13 20	0 24	16 44	0 43	1 11	2 16	6 38	0 47	20 37	0 21	18 42	4 47	12 34	12 41	14 24	14 29	6 41			
S 9	19 11	12 27	4 57	11 34	2 11	23 5	0 40	13 34	0 23	16 43	0 43	1 13	2 17	6 38	0 47	20 37	0 21	18 42	4 48	12 38	12 42	14 22	14 28	6 40			
M10	19 25	15 34	4 59	12 3	2 7	23 17	0 42	13 48	0 23	16 42	0 44	1 15	2 17	6 38	0 47	20 37	0 21	18 42	4 48	12 42	12 44	14 21	14 28	6 40			
T 11	19 39	17 51	4 46	12 33	2 1	23 28	0 45	14 2	0 22	16 42	0 44	1 18	2 17	6 38	0 47	20 37	0 21	18 42	4 48	12 47	12 45	14 20	14 28	6 39			
W12	19 53	19 10	4 18	13 3	1 56	23 38	0 47	14 16	0 22	16 41	0 44	1 20	2 17	6 38	0 47	20 37	0 21	18 42	4 48	12 51	12 46	14 19	14 28	6 39			
T 13	20 6	19 32	3 39	13 34	1 50	23 47	0 49	14 29	0 21	16 41	0 44	1 22	2 17	6 38	0 47	20 37	0 21	18 42	4 48	12 54	12 47	14 17	14 28	6 39			
F 14	20 19	18 58	2 50	14 6	1 44	23 56	0 52	14 43	0 21	16 40	0 45	1 24	2 18	6 38	0 47	20 38	0 21	18 42	4 48	12 56	12 48	14 16	14 28	6 38			
S 15	20 32	17 32	1 54	14 38	1 37	24 4	0 54	14 56	0 20	16 40	0 45	1 25	2 18	6 38	0 46	20 38	0 21	18 42	4 48	12 58	12 49	14 15	14 27	6 38			
S 16	20 44	15 22	0 54	15 9	1 31	24 11	0 56	15 10	0 19	16 40	0 45	1 27	2 18	6 38	0 46	20 38	0 21	18 42	4 48	12 58	12 50	14 14	14 27	6 38			
M17	20 55	12 34	0n 8	15 41	1 24	24 18	0 58	15 23	0 19	16 40	0 45	1 29	2 18	6 38	0 46	20 38	0 21	18 42	4 48	12 58	12 51	14 12	14 27	6 37			
T 18	21 7	9 15	1 11	16 12	1 17	24 23	1 0	15 36	0 18	16 39	0 46	1 31	2 18	6 38	0 46	20 38	0 21	18 42	4 47	12 58	12 52	14 11	14 27	6 37			
W19	21 18	5 32	2 10	16 43	1 10	24 28	1 2	15 49	0 18	16 39	0 46	1 33	2 19	6 38	0 46	20 38	0 21	18 42	4 47	12 59	12 53	14 10	14 26	6 36			
T 20	21 28	1 32	3 5	17 13	1 3	24 33	1 4	16 2	0 17	16 39	0 46	1 35	2 19	6 38	0 46	20 39	0 21	18 42	4 47	13 0	12 54	14 9	14 26	6 36			
F 21	21 39	2s38	3 52	17 43	0 55	24 36	1 7	16 15	0 17	16 39	0 46	1 37	2 19	6 38	0 46	20 39	0 21	18 42	4 47	13 2	12 55	14 7	14 26	6 36			
S 22	21 48	6 47	4 29	18 12	0 48	24 39	1 8	16 27	0 16	16 39	0 47	1 38	2 19	6 38	0 46	20 39	0 21	18 42	4 47	13 4	12 57	14 6	14 25	6 35			
S 23	21 58	10 44	4 53	18 41	0 41	24 41	1 10	16 40	0 15	16 40	0 47	1 40	2 20	6 38	0 46	20 39	0 21	18 42	4 47	13 8	12 58	14 5	14 25	6 35			
M24	22 7	14 16	5 2	19 9	0 34	24 42	1 12	16 52	0 15	16 40	0 47	1 42	2 20	6 37	0 46	20 39	0 21	18 42	4 47	13 12	12 59	14 3	14 25	6 35			
T 25	22 15	17 5	4 52	19 36	0 26	24 43	1 14	17 4	0 14	16 40	0 47	1 43	2 20	6 37	0 46	20 40	0 21	18 42	4 47	13 16	13 0	14 2	14 24	6 34			
W26	22 23	18 56	4 25	20 3	0 19	24 43	1 16	17 17	0 14	16 40	0 47	1 45	2 20	6 37	0 46	20 40	0 21	18 42	4 47	13 20	13 1	14 1	14 24	6 34			
T 27	22 31	19 37	3 41	20 29	0 12	24 42	1 18	17 29	0 13	16 41	0 48	1 46	2 20	6 37	0 46	20 40	0 21	18 42	4 47	13 23	13 2	13 59	14 23	6 34			
F 28	22 38	19 0	2 42	20 53	0 5	24 40	1 19	17 40	0 12	16 41	0 48	1 48	2 21	6 36	0 46	20 40	0 21	18 42	4 47	13 25	13 3	13 58	14 23	6 33			
S 29	22 45	17 9	1 32	21 17	0s 2	24 37	1 21	17 52	0 12	16 42	0 48	1 49	2 21	6 36	0 46	20 40	0 21	18 42	4 47	13 26	13 4	13 57	14 23	6 33			
S 30	22s51	14s14	0n17	21s40	0s 9	24s34	1s23	18s 4	0n11	16n42	0n48	1s51	2n21	6s36	0s46	20n41	0s21	18n42	4s47	13n27	13n 5	13n55	14s22	6n33			

ASTRODIENST EPHEMERIS for the year 1421

geocentric

DECEMBER 1421 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	5 13 8	17°46'45	5°19	8°24	10°28	22°23	16°R30	10°10	15°6	25°R57	27°R22	24°12	25°12	22°17	27°12	M 1
T 2	5 17 4	18°47'53	19°22	9°57	11°43	23°5	16°128	10°14	15°7	25°56	27°12	24°R22	25°19	22°14	27°16	T 2
W 3	5 21 1	19°49'00	3°15	11°30	12°58	23°47	16°26	10°18	15°8	25°55	27°20	24°21	25°16	22°20	27°20	W 3
T 4	5 24 57	20°50'08	16°58	13°3	14°13	24°29	16°25	10°22	15°9	25°54	27°18	24°18	25°13	22°27	27°25	T 4
F 5	5 28 54	21°51'16	0°30	14°36	15°28	25°11	16°22	10°26	15°10	25°52	27°17	24°12	25°10	22°34	27°29	F 5
S 6	5 32 50	22°52'24	13°52	16°10	16°42	25°54	16°20	10°30	15°11	25°51	27°16	24°4	25°6	22°40	27°33	S 6
S 7	5 36 47	23°53'32	27°2	17°44	17°57	26°36	16°18	10°34	15°12	25°50	27°15	23°54	25°3	22°47	27°37	S 7
M 8	5 40 44	24°54'40	10°1	19°17	19°12	27°18	16°15	10°37	15°13	25°48	27°14	23°43	25°0	22°54	27°41	M 8
T 9	5 44 40	25°55'49	22°46	20°52	20°27	28°0	16°12	10°41	15°14	25°47	27°12	23°32	24°57	23°0	27°46	T 9
W10	5 48 37	26°56'58	5°18	22°26	21°41	28°43	16°9	10°44	15°15	25°45	27°11	23°22	24°54	23°7	27°50	W10
T 11	5 52 33	27°58'08	17°37	24°1	22°56	29°25	16°6	10°47	15°17	25°44	27°10	23°14	24°51	23°14	27°55	T 11
F 12	5 56 30	28°59'17	29°43	25°36	24°11	0°7	16°3	10°51	15°18	25°43	27°9	23°8	24°47	23°20	27°59	F 12
S 13	6 0 26	0°0'27	11°40	27°11	25°25	0°50	15°59	10°54	15°19	25°41	27°8	23°5	24°44	23°27	28°3	S 13
S 14	6 4 23	1°1'37	23°29	28°46	26°40	1°32	15°55	10°57	15°21	25°40	27°6	23°D 5	24°41	23°33	28°8	S 14
M15	6 8 19	2°2'48	5°16	0°22	27°55	2°15	15°51	11°0	15°22	25°38	27°5	23°5	24°38	23°40	28°12	M15
T 16	6 12 16	3°3'59	17°4	1°58	29°9	2°57	15°47	11°3	15°24	25°37	27°4	23°7	24°35	23°47	28°17	T 16
W17	6 16 13	4°5'09	28°59	3°35	0°24	3°40	15°43	11°5	15°25	25°35	27°3	23°R 8	24°31	23°53	28°21	W17
T 18	6 20 9	5°6'21	11°6	5°12	1°38	4°22	15°39	11°8	15°27	25°33	27°1	23°8	24°28	24°0	28°26	T 18
F 19	6 24 6	6°7'32	23°31	6°49	2°53	5°5	15°34	11°11	15°29	25°32	27°0	23°6	24°25	24°7	28°31	F 19
S 20	6 28 2	7°8'44	6°18	8°27	4°7	5°48	15°29	11°13	15°30	25°30	26°59	23°2	24°22	24°13	28°35	S 20
S 21	6 31 59	8°9'55	19°30	10°5	5°22	6°30	15°24	11°15	15°32	25°29	26°58	22°56	24°19	24°20	28°40	S 21
M22	6 35 55	9°11'07	3°10	11°43	6°36	7°13	15°19	11°18	15°34	25°27	26°57	22°50	24°16	24°27	28°45	M22
T 23	6 39 52	10°12'19	17°15	13°22	7°51	7°56	15°14	11°20	15°36	25°25	26°56	22°42	24°12	24°33	28°49	T 23
W24	6 43 49	11°13'30	1°34	15°1	9°5	8°39	15°8	11°22	15°37	25°24	26°54	22°35	24°9	24°40	28°54	W24
T 25	6 47 45	12°14'42	16°28	16°41	10°20	9°22	15°3	11°24	15°39	25°22	26°53	22°30	24°6	24°47	28°59	T 25
F 26	6 51 42	13°15'53	1°22	18°21	11°34	10°5	14°57	11°26	15°41	25°21	26°52	22°26	24°3	24°53	29°3	F 26
S 27	6 55 38	14°17'03	16°15	20°2	12°48	10°48	14°51	11°27	15°43	25°19	26°51	22°D24	24°0	25°0	29°8	S 27
S 28	6 59 35	15°18'13	1°1	21°43	14°3	11°31	14°45	11°29	15°45	25°17	26°50	22°24	23°57	25°7	29°13	S 28
M29	7 3 31	16°19'22	15°34	23°24	15°17	12°14	14°39	11°30	15°47	25°16	26°49	22°26	23°53	25°13	29°18	M29
T 30	7 7 28	17°20'31	29°51	25°5	16°31	12°57	14°33	11°32	15°50	25°14	26°47	22°27	23°50	25°20	29°22	T 30
W31	7 11 24	18°21'38	13°49	26°37	17°45	13°40	14°26	11°33	15°52	25°12	26°46	22°R28	23°47	25°26	29°27	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	22s57	10s29	0s58	22s 2	0s16	24s30	1s24	18s15	0n11	16n43	0n49	1s52	2n21	6s35	0s46	M 1
T 2	23 2	6 12	2 9	22 23	0 22	24 25	1 26	18 26	0 10	16 44	0 49	1 54	2 22	6 35	0 46	T 2
W 3	23 7	1 38	3 12	22 42	0 29	24 19	1 27	18 38	0 9	16 44	0 49	1 55	2 22	6 35	0 46	W 3
T 4	23 12	2n57	4 2	23 1	0 35	24 13	1 29	18 49	0 9	16 45	0 49	1 56	2 22	6 34	0 46	T 4
F 5	23 16	7 20	4 39	23 19	0 42	24 6	1 30	18 59	0 8	16 46	0 50	1 58	2 22	6 34	0 46	F 5
S 6	23 19	11 17	4 59	23 35	0 48	23 58	1 31	19 10	0 8	16 47	0 50	1 59	2 23	6 33	0 46	S 6
S 7	23 22	14 38	5 4	23 50	0 54	23 50	1 32	19 21	0 7	16 48	0 50	2 0	2 23	6 33	0 46	S 7
M 8	23 25	17 12	4 52	24 4	1 0	23 41	1 34	19 31	0 6	16 49	0 50	2 1	2 23	6 33	0 46	M 8
T 9	23 27	18 53	4 26	24 17	1 6	23 31	1 35	19 41	0 6	16 50	0 51	2 2	2 23	6 32	0 46	T 9
W10	23 29	19 37	3 47	24 29	1 11	23 20	1 36	19 51	0 5	16 51	0 51	2 4	2 24	6 32	0 45	W10
T 11	23 30	19 24	2 59	24 39	1 16	23 9	1 37	20 1	0 4	16 52	0 51	2 5	2 24	6 31	0 45	T 11
F 12	23 30	18 17	2 2	24 48	1 21	22 56	1 37	20 11	0 4	16 54	0 51	2 6	2 24	6 30	0 45	F 12
S 13	23 31	16 22	1 1	24 55	1 26	22 44	1 38	20 20	0 3	16 55	0 52	2 7	2 24	6 30	0 45	S 13
S 14	23 30	13 46	0n 2	25 1	1 31	22 30	1 39	20 30	0 2	16 56	0 52	2 8	2 25	6 29	0 45	S 14
M15	23 30	10 37	1 5	25 6	1 35	22 16	1 40	20 39	0 2	16 58	0 52	2 9	2 25	6 29	0 45	M15
T 16	23 29	7 3	2 6	25 9	1 40	22 1	1 40	20 48	0 1	16 59	0 52	2 9	2 25	6 28	0 45	T 16
W17	23 27	3 11	3 2	25 11	1 44	21 46	1 41	20 57	0 0	17 1	0 53	2 10	2 26	6 27	0 45	W17
T 18	23 25	0s52	3 50	25 12	1 47	21 30	1 41	21 5	0s 0	17 2	0 53	2 11	2 26	6 27	0 45	T 18
F 19	23 22	4 59	4 29	25 11	1 51	21 13	1 42	21 14	0 1	17 4	0 53	2 12	2 26	6 26	0 45	F 19
S 20	23 19	9 0	4 56	25 8	1 54	20 56	1 42	21 22	0 2	17 5	0 53	2 12	2 26	6 25	0 45	S 20
S 21	23 16	12 42	5 9	25 4	1 57	20 38	1 42	21 30	0 2	17 7	0 53	2 13	2 27	6 25	0 45	S 21
M22	23 12	15 52	5 4	24 58	1 59	20 20	1 42	21 38	0 3	17 9	0 54	2 14	2 27	6 24	0 45	M22
T 23	23 7	18 14	4 42	24 51	2 1	20 1	1 42	21 45	0 4	17 11	0 54	2 14	2 27	6 23	0 45	T 23
W24	23 2	19 29	4 1	24 42	2 3	19 41	1 42	21 53	0 4	17 12	0 54	2 15	2 27	6 22	0 45	W24
T 25	22 57	19 28	3 3	24 31	2 4	19 21	1 42	22 0	0 5	17 14	0 54	2 15	2 28	6 22	0 45	T 25
F 26	22 51	18 6	1 52	24 19	2 5	19 0	1 42	22 7	0 6	17 16	0 55	2 16	2 28	6 21	0 45	F 26
S 27	22 45	15 29	0 34	24 5	2 6	18 39	1 42	22 14	0 6	17 18	0 55	2 16	2 28	6 20	0 45	S 27
S 28	22 38	11 52	0s47	23 50	2 6	18 17	1 42	22 21	0 7	17 20	0 55	2 17	2 29	6 19	0 45	S 28
M29	22 31	7 36	2 3	23 33	2 6	17 55	1 41	22 27	0 8	17 22	0 55	2 17	2 29	6 18	0 45	M29
T 30	22 23	2 58	3 10	23 14	2 5	17 32	1 41	22 34	0 8	17 24	0 55	2 17	2 29	6 18	0 45	T 30
W31	22s15	1n42	4s 5	22s53	2s 4	17s 9	1s40	22s40	0s 9	17n26	0n56	2s17	2n29	6s17	0s45	W31

Julian Day Number = 2240412.5, Delta T = 07m18s

Ecliptic obliquity = 23°30'44", Nutation = - 0°00'10", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'33", Lahiri = 15°47'34" Julian Calendar 1 Dec. 1421 == Greg. Calendar 10 Dec. 1421