



# Astrodienst Ephemeris Tables for the year 1422

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 1422

## geocentric

JANUARY 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 15 21	19°32'45	27°28'	28°39'	19°00'	14°27'23	14°R20	11°12'34	15°15'54	25°R11	26°R45	22°R28	23°12'44	25°12'33	29°33'32	T 1
F 2	7 19 18	20°23'50	10°18'50	0°11'11	20°14'	15° 6'	14°12'13	11°35'	15°56'	25°9'	26°11'44	22°12'26	23°41'	25°40'	29°37'	F 2
S 3	7 23 14	21°24'55	23°56'	1°53'	21°28'	15°49'	14° 6'	11°36'	15°58'	25° 7'	26°43'	22°23'	23°37'	25°46'	29°42'	S 3
S 4	7 27 11	22°25'59	6°11'46	3°35'	22°42'	16°32'	13°59'	11°37'	16° 1'	25° 5'	26°42'	22°18'	23°34'	25°53'	29°46'	S 4
M 5	7 31 7	23°27'02	19°24'	5°17'	23°56'	17°15'	13°52'	11°38'	16° 3'	25° 4'	26°41'	22°13'	23°31'	26° 0'	29°51'	M 5
T 6	7 35 4	24°28'04	12°50'	6°58'	25°10'	17°59'	13°45'	11°39'	16° 5'	25° 2'	26°40'	22° 8'	23°28'	26° 6'	29°56'	T 6
W 7	7 39 0	25°29'05	14° 5'	8°39'	26°24'	18°42'	13°38'	11°39'	16° 8'	25° 0'	26°39'	22° 4'	23°25'	26°13'	0°11'	W 7
T 8	7 42 57	26°30'06	26°11'	10°20'	27°38'	19°25'	13°31'	11°40'	16°10'	24°59'	26°38'	22° 0'	23°22'	26°20'	0° 6'	T 8
F 9	7 46 53	27°31'05	8°12' 9	11°59'	28°51'	20° 9'	13°23'	11°40'	16°13'	24°57'	26°37'	21°58'	23°18'	26°26'	0°11'	F 9
S 10	7 50 50	28°32'04	20° 1'	13°36'	0°11' 5	20°52'	13°16'	11°40'	16°15'	24°55'	26°36'	21°D57	23°15'	26°33'	0°16'	S 10
S 11	7 54 47	29°33'01	1°11'48	15°12'	1°19'	21°36'	13° 8'	11°41'	16°18'	24°54'	26°35'	21°58'	23°12'	26°40'	0°20'	S 11
M12	7 58 43	0°33'58	13°35'	16°46'	2°33'	22°19'	13° 1'	11°R41	16°21'	24°52'	26°34'	21°59'	23° 9'	26°46'	0°25'	M12
T 13	8 2 40	1°34'54	25°25'	18°17'	3°46'	23° 3'	12°53'	11°41'	16°23'	24°50'	26°33'	22° 1'	23° 6'	26°53'	0°30'	T 13
W14	8 6 36	2°35'49	7°12'20	19°45'	5° 0'	23°46'	12°45'	11°40'	16°26'	24°49'	26°32'	22° 2'	23° 2'	26°59'	0°35'	W14
T 15	8 10 33	3°36'44	19°27'	21°10'	6°13'	24°30'	12°38'	11°40'	16°29'	24°47'	26°31'	22° 4'	22°59'	27° 6'	0°40'	T 15
F 16	8 14 29	4°37'37	1°11'48	22°29'	7°27'	25°13'	12°30'	11°40'	16°31'	24°45'	26°30'	22°R 4	22°56'	27°13'	0°45'	F 16
S 17	8 18 26	5°38'30	14°30'	23°44'	8°40'	25°57'	12°22'	11°39'	16°34'	24°44'	26°29'	22° 4'	22°53'	27°19'	0°49'	S 17
S 18	8 22 22	6°39'22	27°36'	24°53'	9°54'	26°41'	12°14'	11°39'	16°37'	24°42'	26°28'	22° 3'	22°50'	27°26'	0°54'	S 18
M19	8 26 19	7°40'13	11°11' 8	25°56'	11° 7'	27°24'	12° 6'	11°38'	16°40'	24°40'	26°27'	22° 2'	22°47'	27°33'	0°59'	M19
T 20	8 30 16	8°41'03	25° 8'	26°51'	12°20'	28° 8'	11°58'	11°37'	16°43'	24°39'	26°26'	22° 0'	22°43'	27°39'	1° 4'	T 20
W21	8 34 12	9°41'52	9°33'35	27°38'	13°33'	28°52'	11°50'	11°36'	16°45'	24°37'	26°25'	21°58'	22°40'	27°46'	1° 9'	W21
T 22	8 38 9	10°42'40	24°24'	28°16'	14°47'	29°36'	11°42'	11°35'	16°48'	24°35'	26°25'	21°57'	22°37'	27°53'	1°14'	T 22
F 23	8 42 5	11°43'27	9°22'28	28°44'	16° 0'	0°32'20	11°34'	11°34'	16°51'	24°34'	26°24'	21°56'	22°34'	27°59'	1°18'	F 23
S 24	8 46 2	12°44'12	24°39'	29° 3'	17°13'	1° 4'	11°26'	11°33'	16°54'	24°32'	26°23'	21°D56	22°31'	28° 6'	1°23'	S 24
S 25	8 49 58	13°44'56	9°11'46	29°R11	18°26'	1°48'	11°18'	11°31'	16°57'	24°31'	26°22'	21°56'	22°28'	28°13'	1°28'	S 25
M26	8 53 55	14°45'38	24°42'	29° 8'	19°39'	2°32'	11°10'	11°30'	17° 0'	24°29'	26°21'	21°57'	22°24'	28°19'	1°33'	M26
T 27	8 57 51	15°46'19	9°11'19	28°55'	20°51'	3°15'	11° 3'	11°28'	17° 3'	24°27'	26°21'	21°57'	22°21'	28°26'	1°37'	T 27
W28	9 1 48	16°46'58	23°32'	28°31'	22° 4'	3°59'	10°55'	11°27'	17° 6'	24°26'	26°20'	21°58'	22°18'	28°33'	1°42'	W28
T 29	9 5 45	17°47'35	7°12'21	27°57'	23°17'	4°44'	10°47'	11°25'	17° 9'	24°24'	26°19'	21°58'	22°15'	28°39'	1°47'	T 29
F 30	9 9 41	18°48'10	20°45'	27°15'	24°29'	5°28'	10°39'	11°23'	17°13'	24°23'	26°19'	21°R58	22°12'	28°46'	1°51'	F 30
S 31	9 13 38	19°48'44	3°11'46	26°22'44	25°11'42	6°32'12	10°12'31	11°12'21	17°11'16	24°22'21	26°11'18	21°12'58	22°12' 8	28°12'52	1°55'56	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s 6	6n11	4s44	22s31	2s 2	16s45	1s40	22s46	0s10	17n28	0n56	2s18	2n30	6s16	0s45	20n50
F 2	21 58	10 16	5 7	22 7	2 0	16 21	1 39	22 51	0 11	17 30	0 56	2 18	2 30	6 15	0 45	20 50
S 3	21 48	13 45	5 13	21 42	1 57	15 57	1 38	22 57	0 11	17 33	0 56	2 18	2 30	6 14	0 45	20 50
S 4	21 38	16 32	5 3	21 15	1 53	15 32	1 37	23 2	0 12	17 35	0 56	2 18	2 31	6 13	0 45	20 51
M 5	21 28	18 27	4 39	20 46	1 49	15 6	1 37	23 7	0 13	17 37	0 56	2 18	2 31	6 12	0 45	20 51
T 6	21 18	19 29	4 1	20 16	1 44	14 40	1 36	23 11	0 14	17 39	0 57	2 18	2 31	6 11	0 45	20 51
W 7	21 6	19 33	3 13	19 44	1 39	14 14	1 34	23 16	0 14	17 41	0 57	2 18	2 31	6 10	0 44	20 52
T 8	20 55	18 44	2 17	19 11	1 32	13 48	1 33	23 20	0 15	17 44	0 57	2 18	2 32	6 9	0 44	20 52
F 9	20 43	17 4	1 15	18 37	1 25	13 21	1 32	23 24	0 16	17 46	0 57	2 18	2 32	6 8	0 44	20 52
S 10	20 31	14 41	0 11	18 2	1 18	12 53	1 31	23 28	0 16	17 48	0 57	2 18	2 32	6 7	0 44	20 53
S 11	20 18	11 42	0n54	17 25	1 9	12 26	1 29	23 32	0 17	17 51	0 58	2 17	2 33	6 6	0 44	20 53
M12	20 5	8 16	1 57	16 48	1 0	11 58	1 28	23 35	0 18	17 53	0 58	2 17	2 33	6 5	0 44	20 53
T 13	19 52	4 30	2 55	16 11	0 49	11 30	1 26	23 38	0 19	17 55	0 58	2 17	2 33	6 4	0 44	20 54
W14	19 38	0 32	3 46	15 33	0 38	11 1	1 25	23 41	0 19	17 58	0 58	2 17	2 33	6 3	0 44	20 54
T 15	19 24	3s31	4 27	14 54	0 26	10 32	1 23	23 44	0 20	18 0	0 58	2 16	2 34	6 2	0 44	20 54
F 16	19 10	7 29	4 27	14 16	0 14	10 3	1 21	23 46	0 21	18 2	0 58	2 16	2 34	6 1	0 44	20 54
S 17	18 55	11 14	5 14	13 39	0 0	9 34	1 19	23 49	0 22	18 5	0 58	2 15	2 34	6 0	0 44	20 55
S 18	18 40	14 34	5 15	13 3	0n14	9 4	1 17	23 51	0 22	18 7	0 59	2 15	2 35	5 59	0 44	20 55
M19	18 24	17 14	5 0	12 27	0 29	8 35	1 15	23 52	0 23	18 9	0 59	2 14	2 35	5 57	0 44	20 55
T 20	18 9	19 0	4 26	11 54	0 45	8 5	1 13	23 54	0 24	18 12	0 59	2 14	2 35	5 56	0 44	20 56
W21	17 53	19 36	3 34	11 23	1 1	7 35	1 11	23 55	0 25	18 14	0 59	2 13	2 35	5 55	0 44	20 56
T 22	17 36	18 53	2 27	10 54	1 17	7 4	1 9	23 56	0 26	18 16	0 59	2 13	2 36	5 54	0 44	20 56
F 23	17 19	16 50	1 9	10 29	1 34	6 34	1 6	23 57	0 26	18 19	0 59	2 12	2 36	5 53	0 44	20 57
S 24	17 2	13 35	0s15	10 6	1 51	6 3	1 4	23 58	0 27	18 21	0 59	2 11	2 36	5 52	0 44	20 57
S 25	16 45	9 26	1 38	9 48	2 7	5 32	1 2	23 58	0 28	18 23	0 59	2 10	2 36	5 51	0 44	20 57
M26	16 27	4 45	2 52	9 34	2 24	5 1	0 59	23 58	0 29	18 26	0 59	2 10	2 37	5 49	0 44	20 57
T 27	16 9	0n 7	3 54	9 24	2 39	4 30	0 56	23 58	0 29	18 28	1 0	2 9	2 37	5 48	0 44	20 58
W28	15 51	4 50	4 40	9 19	2 53	3 59	0 54	23 57	0 30	18 30	1 0	2 8	2 37	5 47	0 44	20 58
T 29	15 33	9 9	5 8	9 18	3 6	3 27	0 51	23 57	0 31	18 32	1 0	2 7	2 37	5 46	0 44	20 58
F 30	15 14	12 53	5 18	9 22	3 18	2 56	0 48	23 56	0 32	18 35	1 0	2 6	2 38	5 44	0 44	20 59
S 31	14s55	15n52	5s11	9s30	3n28	2s25	0s45	23s55	0s33	18n37	1n 0	2s 5	2n38	5s43	0s44	20n59

Julian Day Number = 2240443.5, Delta T = 07m17s

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

Ayanamsha: Fagan/Bradley = 16°40'37", Lahiri = 15°47'38" Julian Calendar 1 Jan. 1422 == Greg. Calendar 10 Jan. 1422

## ASTRODIENST EPHEMERIS for the year 1422

FEBRUARY 1422 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 17 34	20°49'15	16°11'28	25°R27	26°H54	6°C56	10°R23	11°R19	17°H19	24°R20	26°R17	21°R58	22°R 5	28°R59	2°R 1	S 1
M 2	9 21 31	21°49'45	28°53	24°R25	28° 7	7°40	10°R16	11°H17	17°22	24°R18	26°H17	21°D58	22° 2	29° 6	2° 5	M 2
T 3	9 25 27	22°50'13	11°R 5	23°20	29°19	8°24	10° 8	11°15	17°25	24°17	26°16	21°R58	21°59	29°12	2°10	T 3
W 4	9 29 24	23°50'39	23° 8	22°13	0°Y31	9° 8	10° 1	11°13	17°28	24°16	26°15	21°58	21°56	29°19	2°15	W 4
T 5	9 33 20	24°51'04	5°R 3	21° 7	1°43	9°53	9°53	11°10	17°32	24°14	26°15	21°58	21°53	29°26	2°19	T 5
F 6	9 37 17	25°51'26	16°53	20° 2	2°55	10°37	9°46	11° 8	17°35	24°13	26°14	21°R59	21°49	29°32	2°24	F 6
S 7	9 41 14	26°51'47	28°41	19° 0	4° 7	11°21	9°38	11° 5	17°38	24°11	26°14	21°58	21°46	29°39	2°28	S 7
S 8	9 45 10	27°52'06	10°H29	18° 3	5°19	12° 5	9°31	11° 2	17°41	24°10	26°13	21°58	21°43	29°46	2°33	S 8
M 9	9 49 7	28°52'24	22°19	17°11	6°31	12°50	9°24	11° 0	17°45	24° 9	26°13	21°58	21°40	29°52	2°37	M 9
T 10	9 53 3	29°52'39	4°R13	16°25	7°43	13°34	9°17	10°57	17°48	24° 7	26°12	21°56	21°37	29°59	2°42	T 10
W11	9 57 0	0°H52'54	16°15	15°46	8°54	14°18	9°10	10°54	17°51	24° 6	26°12	21°55	21°34	0°H 6	2°46	W11
T 12	10 0 56	1°53'06	28°25	15°14	10° 6	15° 3	9° 3	10°51	17°55	24° 5	26°11	21°54	21°30	0°12	2°50	T 12
F 13	10 4 53	2°53'17	10°M49	14°49	11°17	15°47	8°56	10°48	17°58	24° 4	26°11	21°53	21°27	0°19	2°55	F 13
S 14	10 8 49	3°53'26	23°29	14°31	12°28	16°32	8°50	10°45	18° 1	24° 2	26°11	21°52	21°24	0°25	2°59	S 14
S 15	10 12 46	4°53'34	6°R29	14°20	13°39	17°16	8°43	10°41	18° 5	24° 1	26°10	21°D52	21°21	0°32	3° 3	S 15
M16	10 16 42	5°53'40	1°R52	14°D16	14°50	18° 1	8°37	10°38	18° 8	24° 0	26°10	21°52	21°18	0°39	3° 8	M16
T 17	10 20 39	6°53'45	3°R40	14°18	16° 1	18°45	8°30	10°35	18°11	23°59	26°10	21°53	21°14	0°45	3°12	T 17
W18	10 24 36	7°53'48	17°53	14°26	17°12	19°30	8°24	10°31	18°15	23°58	26° 9	21°54	21°11	0°52	3°16	W18
T 19	10 28 32	8°53'50	2°R30	14°40	18°23	20°15	8°18	10°28	18°18	23°57	26° 9	21°55	21° 8	0°59	3°20	T 19
F 20	10 32 29	9°53'49	17°27	15° 0	19°33	20°59	8°12	10°24	18°22	23°55	26° 9	21°R56	21° 5	1° 5	3°24	F 20
S 21	10 36 25	10°53'47	2°H36	15°25	20°44	21°44	8° 7	10°20	18°25	23°54	26° 9	21°56	21° 2	1°12	3°29	S 21
S 22	10 40 22	11°53'43	17°49	15°54	21°54	22°29	8° 1	10°17	18°28	23°53	26° 8	21°55	20°59	1°19	3°33	S 22
M23	10 44 18	12°53'37	2°Y56	16°28	23° 5	23°13	7°56	10°13	18°32	23°52	26° 8	21°52	20°55	1°25	3°37	M23
T 24	10 48 15	13°53'28	17°47	17° 7	24°15	23°58	7°50	10° 9	18°35	23°51	26° 8	21°49	20°52	1°32	3°41	T 24
W25	10 52 11	14°53'18	2°R15	17°49	25°25	24°43	7°45	10° 5	18°39	23°50	26° 8	21°46	20°49	1°39	3°45	W25
T 26	10 56 8	15°53'05	16°17	18°35	26°35	25°28	7°40	10° 1	18°42	23°49	26° 8	21°43	20°46	1°45	3°48	T 26
F 27	11 0 5	16°52'50	29°50	19°24	27°44	26°12	7°35	9°57	18°46	23°49	26° 8	21°41	20°43	1°52	3°52	F 27
S 28	11 4 1	17°H52'33	12°H56	20°R17	28°Y54	26°C57	7°R31	9°H53	18°H49	23°R48	26°H 8	21°D40	20°R40	1°H59	3°R56	S 28

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat			
S 1	14s36	18n 1	4s50	9s41	3n36	1s53	0s43	23s53	0s33	18n39	1n 0	2s 4	2n38	5s42	0s44	20n59	0s20	18n46	4s41	14n14	14n11	12n27	13s29	6n27
M 2	14 16	19 16	4 15	9 57	3 41	1 21	0 40	23 51	0 34	18 41	1 0	2 3	2 38	5 41	0 44	20 59	0 20	18 46	4 41	14 14	14 12	12 25	13 27	6 27
T 3	13 57	19 35	3 29	10 15	3 45	0 50	0 37	23 50	0 35	18 43	1 0	2 2	2 39	5 39	0 44	21 0	0 20	18 47	4 41	14 14	14 13	12 24	13 26	6 28
W 4	13 37	19 0	2 34	10 35	3 45	0 18	0 33	23 47	0 36	18 45	1 0	2 1	2 39	5 38	0 44	21 0	0 20	18 47	4 41	14 14	14 14	12 22	13 25	6 28
T 5	13 17	17 34	1 33	10 58	3 44	0n13	0 30	23 45	0 37	18 48	1 0	1 59	2 39	5 37	0 44	21 0	0 20	18 47	4 41	14 14	14 15	12 21	13 24	6 28
F 6	12 56	15 22	0 28	11 21	3 41	0 45	0 27	23 42	0 37	18 50	1 0	1 58	2 39	5 36	0 44	21 1	0 20	18 47	4 41	14 14	14 17	12 19	13 23	6 28
S 7	12 36	12 33	0n37	11 46	3 35	1 17	0 24	23 40	0 38	18 52	1 0	1 57	2 40	5 34	0 44	21 1	0 20	18 47	4 40	14 14	14 18	12 17	13 22	6 28
S 8	12 15	9 13	1 41	12 10	3 28	1 48	0 21	23 36	0 39	18 54	1 0	1 56	2 40	5 33	0 44	21 1	0 20	18 47	4 40	14 14	14 19	12 16	13 21	6 28
M 9	11 54	5 31	2 41	12 34	3 19	2 20	0 17	23 33	0 40	18 56	1 0	1 55	2 40	5 32	0 44	21 1	0 20	18 47	4 40	14 14	14 20	12 14	13 19	6 28
T 10	11 33	1 35	3 34	12 57	3 9	2 51	0 14	23 29	0 41	18 57	1 0	1 53	2 40	5 30	0 44	21 2	0 20	18 48	4 40	14 14	14 21	12 13	13 18	6 29
W 11	11 12	2s26	4 18	13 20	2 58	3 23	0 10	23 26	0 41	18 59	1 0	1 52	2 41	5 29	0 44	21 2	0 20	18 48	4 40	14 15	14 22	12 11	13 17	6 29
T 12	10 50	6 25	4 51	13 41	2 46	3 54	0 7	23 22	0 42	19 1	1 0	1 51	2 41	5 28	0 44	21 2	0 20	18 48	4 40	14 15	14 23	12 10	13 16	6 29
F 13	10 29	10 11	5 11	14 0	2 33	4 26	0 3	23 17	0 43	19 3	1 0	1 49	2 41	5 26	0 44	21 2	0 20	18 48	4 40	14 15	14 24	12 8	13 15	6 29
S 14	10 7	13 35	5 17	14 18	2 20	4 57	0n 0	23 13	0 44	19 5	1 0	1 48	2 41	5 25	0 44	21 3	0 20	18 48	4 39	14 16	14 25	12 7	13 14	6 29
S 15	9 45	16 25	5 7	14 34	2 6	5 28	0 4	23 8	0 45	19 7	1 0	1 46	2 41	5 24	0 44	21 3	0 20	18 48	4 39	14 16	14 26	12 5	13 13	6 30
M 16	9 23	18 28	4 40	14 48	1 52	5 59	0 8	23 3	0 45	19 8	1 0	1 45	2 42	5 23	0 44	21 3	0 20	18 48	4 39	14 16	14 27	12 4	13 11	6 30
T 17	9 0	19 31	3 57	15 1	1 39	6 30	0 11	22 58	0 46	19 10	1 0	1 43	2 42	5 21	0 44	21 3	0 20	18 49	4 39	14 15	14 28	12 2	13 10	6 30
W 18	8 38	19 23	2 58	15 12	1 25	7 0	0 15	22 52	0 47	19 11	1 0	1 42	2 42	5 20	0 44	21 3	0 20	18 49	4 39	14 15	14 29	12 1	13 9	6 30
T 19	8 16	17 57	1 46	15 21	1 12	7 31	0 19	22 46	0 48	19 13	1 0	1 40	2 42	5 19	0 44	21 4	0 20	18 49	4 39	14 15	14 30	11 59	13 8	6 31
F 20	7 53	15 15	0 25	15 28	0 58	8 1	0 23	22 40	0 49	19 15	1 0	1 39	2 42	5 17	0 44	21 4	0 20	18 49	4 38	14 14	14 31	11 57	13 7	6 31
S 21	7 30	11 29	0s59	15 33	0 45	8 32	0 26	22 34	0 50	19 16	1 0	1 37	2 43	5 16	0 44	21 4	0 20	18 49	4 38	14 14	14 32	11 56	13 6	6 31
S 22	7 7	6 57	2 18	15 36	0 32	9 2	0 30	22 28	0 50	19 18	1 0	1 35	2 43	5 14	0 44	21 4	0 20	18 49	4 38	14 15	14 33	11 54	13 4	6 31
M 23	6 44	2 0	3 28	15 38	0 20	9 32	0 34	22 21	0 51	19 19	1 0	1 34	2 43	5 13	0 44	21 4	0 20	18 50	4 38	14 16	14 34	11 53	13 3	6 32
T 24	6 21	2n58	4 22	15 38	0 8	10 1	0 38	22 14	0 52	19 20	1 0	1 32	2 43	5 12	0 44	21 5	0 20	18 50	4 38	14 17	14 35	11 51	13 2	6 32
W 25	5 58	7 38	4 57	15 36	0s 4	10 31	0 42	22 7	0 53	19 22	1 0	1 30	2 43	5 10	0 44	21 5	0 20	18 50	4 38	14 18	14 36	11 50	13 1	6 32
T 26	5 35	11 45	5 14	15 32	0 15	11 0	0 46	22 0	0 54	19 23	1 0	1 29	2 43	5 9	0 44	21 5	0 20	18 50	4 37	14 18	14 37	11 48	13 0	6 32
F 27	5 12	15 6	5 12	15 27	0 26	11 29	0 50	21 52	0 55	19 24	1 0	1 27	2 43	5 8	0 44	21 5	0 20	18 50	4 37	14 19	14 38	11 46	12 59	6 33
S 28	4s48	17n34	4s54	15s20	0s36	11n57	0n54	21s44	0s55	19n25	1n 0	1s25	2n44	5s 6	0s44	21n 5	0s20	18n50	4s37	14n20	14n39	11n45	12s58	6n33

Julian Day Number = 2240474.5, Delta T = 07m17s

Ecliptic obliquity =  $23^{\circ}30'44''$ , Nutation =  $-0^{\circ}00'09''$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley =  $16^{\circ}40'42''$ , Lahiri =  $15^{\circ}47'42''$  Julian Calendar 1 Feb. 1422 = Greg. Calendar 10 Feb. 1422

# ASTRODIENST EPHEMERIS for the year 1422

## geocentric

MARCH 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 7 58	18°52'14	25°11'38	21°13'13	08° 3	27°34'2	7°R26	9°R49	18°52	23°R47	26°R 8	21°R40	20°R36	2°R 5	4° 0	S 1
M 2	11 11 54	19°51'52	8° 0	22°11	1°13	28°27	7°R22	9°R45	18°56	23°R46	26°D 8	21°41	20°33	2°12	4° 4	M 2
T 3	11 15 51	20°51'28	20° 7	23°13	2°22	29°12	7°18	9°41	18°59	23°45	26°II 8	21°43	20°30	2°18	4° 7	T 3
W 4	11 19 47	21°51'02	2° 3	24°16	3°31	29°56	7°14	9°36	19° 3	23°45	26° 8	21°45	20°27	2°25	4°11	W 4
T 5	11 23 44	22°50'33	13°52	25°23	4°40	0°41	7°10	9°32	19° 6	23°44	26° 8	21°46	20°24	2°32	4°15	T 5
F 6	11 27 40	23°50'02	25°39	26°31	5°48	1°26	7° 6	9°28	19°10	23°43	26° 8	21°R46	20°20	2°38	4°18	F 6
S 7	11 31 37	24°49'29	7°R26	27°42	6°57	2°11	7° 3	9°23	19°13	23°43	26° 8	21°45	20°17	2°45	4°22	S 7
S 8	11 35 34	25°48'54	19°17	28°55	8° 5	2°56	7° 0	9°19	19°16	23°42	26° 8	21°42	20°14	2°52	4°25	S 8
M 9	11 39 30	26°48'16	1° 9	0° 9	9°13	3°41	6°57	9°14	19°20	23°41	26° 8	21°38	20°11	2°58	4°28	M 9
T 10	11 43 27	27°47'37	13°16	1°26	10°21	4°26	6°54	9°10	19°23	23°41	26° 9	21°32	20° 8	3° 5	4°32	T 10
W 11	11 47 23	28°46'55	25°29	2°45	11°29	5°11	6°51	9° 5	19°27	23°40	26° 9	21°25	20° 5	3°12	4°35	W 11
T 12	11 51 20	29°46'12	7°R25	4° 5	12°37	5°56	6°48	9° 1	19°30	23°40	26° 9	21°18	20° 1	3°18	4°38	T 12
F 13	11 55 16	0°Y45'27	20°25	5°27	13°44	6°41	6°46	8°56	19°33	23°39	26° 9	21°12	19°58	3°25	4°42	F 13
S 14	11 59 13	1°44'39	3°R12	6°51	14°52	7°26	6°44	8°52	19°37	23°39	26°10	21° 7	19°55	3°32	4°45	S 14
S 15	12 3 9	2°43'51	16°15	8°17	15°59	8°11	6°42	8°47	19°40	23°38	26°10	21° 4	19°52	3°38	4°48	S 15
M 16	12 7 6	3°43'00	29°34	9°44	17° 5	8°56	6°40	8°43	19°44	23°38	26°10	21°D 2	19°49	3°45	4°51	M 16
T 17	12 11 2	4°42'07	13°R13	11°12	18°12	9°41	6°39	8°38	19°47	23°38	26°10	21° 2	19°45	3°52	4°54	T 17
W 18	12 14 59	5°41'13	27°12	12°43	19°19	10°26	6°37	8°33	19°50	23°37	26°11	21° 3	19°42	3°58	4°57	W 18
T 19	12 18 56	6°40'17	11°R32	14°14	20°25	11°11	6°36	8°29	19°54	23°37	26°11	21° 5	19°39	4° 5	5° 0	T 19
F 20	12 22 52	7°39'20	26°10	15°48	21°31	11°56	6°35	8°24	19°57	23°37	26°12	21°R 5	19°36	4°11	5° 3	F 20
S 21	12 26 49	8°38'20	11°R 2	17°23	22°37	12°41	6°34	8°19	20° 0	23°37	26°12	21° 3	19°33	4°18	5° 5	S 21
S 22	12 30 45	9°37'18	26° 2	18°59	23°42	13°26	6°33	8°15	20° 3	23°37	26°12	21° 0	19°30	4°25	5° 8	S 22
M 23	12 34 42	10°36'15	11°Y 1	20°37	24°48	14°11	6°33	8°10	20° 7	23°36	26°13	20°54	19°26	4°31	5°11	M 23
T 24	12 38 38	11°35'09	25°51	22°17	25°53	14°57	6°33	8° 6	20°10	23°36	26°13	20°46	19°23	4°38	5°13	T 24
W 25	12 42 35	12°34'01	10°R23	23°57	26°58	15°42	6°D33	8° 1	20°13	23°36	26°14	20°38	19°20	4°45	5°16	W 25
T 26	12 46 31	13°32'51	24°30	25°40	28° 3	16°27	6°33	7°56	20°16	23°36	26°15	20°30	19°17	4°51	5°18	T 26
F 27	12 50 28	14°31'39	8°R10	27°24	29° 7	17°12	6°33	7°52	20°20	23°D36	26°15	20°23	19°14	4°58	5°21	F 27
S 28	12 54 25	15°30'25	21°22	29°10	0°R11	17°57	6°33	7°47	20°23	23°36	26°16	20°18	19°11	5° 5	5°23	S 28
S 29	12 58 21	16°29'08	4° 8	0°Y57	1°15	18°42	6°34	7°43	20°26	23°36	26°16	20°15	19° 7	5°11	5°26	S 29
M 30	13 2 18	17°27'50	16°R2	2°45	2°18	19°27	6°35	7°38	20°29	23°36	26°17	20°D14	19° 4	5°18	5°28	M 30
T 31	13 6 14	18°Y26'29	28°R39	4°Y36	3°R22	20°R12	6°R36	7°R34	20°R32	23°R37	26°R18	20°R15	19°R 1	5°R25	5°R30	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	4s25	19n 5	4s22	15s12	0s46	12n26	0n58	21s36	0s56	19n26	1n 0	1s23	2n44	5s 5	0s44	21n 5
M 2	4 2	19 39	3 38	15 2	0 55	12 54	1 2	21 28	0 57	19 27	1 0	1 22	2 44	5 4	0 44	21 6
T 3	3 38	19 16	2 45	14 50	1 4	13 22	1 6	21 19	0 58	19 28	1 0	1 20	2 44	5 2	0 44	21 6
W 4	3 15	18 2	1 46	14 37	1 13	13 49	1 10	21 11	0 59	19 29	1 0	1 18	2 44	5 1	0 44	21 6
T 5	2 51	16 2	0 43	14 22	1 21	14 16	1 14	21 2	0 59	19 30	1 0	1 16	2 44	5 0	0 44	21 6
F 6	2 27	13 21	0n21	14 6	1 28	14 43	1 18	20 53	1 0	19 31	1 0	1 15	2 44	4 58	0 44	21 6
S 7	2 4	10 7	1 25	13 48	1 35	15 10	1 22	20 44	1 1	19 32	1 0	1 13	2 44	4 57	0 44	21 6
S 8	1 40	6 28	2 25	13 29	1 42	15 36	1 26	20 34	1 2	19 33	1 0	1 11	2 45	4 56	0 44	21 6
M 9	1 16	2 33	3 19	13 8	1 48	16 2	1 30	20 24	1 3	19 34	1 0	1 9	2 45	4 54	0 44	21 7
T 10	0 53	1s30	4 5	12 46	1 54	16 27	1 34	20 14	1 4	19 34	1 0	1 7	2 45	4 53	0 44	21 7
W 11	0 29	5 33	4 39	12 23	1 59	16 52	1 38	20 4	1 4	19 35	1 0	1 5	2 45	4 52	0 44	21 7
T 12	0 5	9 24	5 2	11 58	2 4	17 17	1 42	19 54	1 5	19 35	1 0	1 3	2 45	4 50	0 44	21 7
F 13	0n18	12 55	5 10	11 32	2 9	17 42	1 46	19 44	1 6	19 36	1 0	1 2	2 45	4 49	0 44	21 7
S 14	0 42	15 54	5 4	11 4	2 12	18 5	1 50	19 33	1 7	19 36	1 0	1 0	2 45	4 48	0 44	21 7
S 15	1 5	18 8	4 41	10 35	2 16	18 29	1 54	19 22	1 8	19 37	0 59	0 58	2 45	4 46	0 44	21 7
M 16	1 29	19 28	4 3	10 5	2 19	18 52	1 57	19 11	1 9	19 37	0 59	0 56	2 45	4 45	0 44	21 7
T 17	1 52	19 41	3 11	9 34	2 21	19 15	2 1	19 0	1 9	19 38	0 59	0 54	2 45	4 44	0 44	21 7
W 18	2 16	18 44	2 6	9 1	2 23	19 37	2 5	18 48	1 10	19 38	0 59	0 52	2 45	4 42	0 44	21 7
T 19	2 39	16 33	0 52	8 27	2 25	19 58	2 9	18 37	1 11	19 38	0 59	0 50	2 45	4 41	0 44	21 8
F 20	3 3	13 16	0s27	7 51	2 26	20 20	2 13	18 25	1 12	19 38	0 59	0 49	2 45	4 40	0 44	21 8
S 21	3 26	9 5	1 46	7 14	2 26	20 41	2 16	18 13	1 13	19 38	0 59	0 47	2 45	4 38	0 44	21 8
S 22	3 49	4 17	2 57	6 37	2 26	21 1	2 20	18 1	1 13	19 39	0 59	0 45	2 45	4 37	0 44	21 8
M 23	4 13	0n45	3 56	5 57	2 26	21 21	2 23	17 48	1 14	19 39	0 59	0 43	2 45	4 36	0 44	21 8
T 24	4 36	5 41	4 39	5 17	2 25	21 40	2 27	17 36	1 15	19 39	0 59	0 41	2 45	4 35	0 44	21 8
W 25	4 59	10 12	5 2	4 36	2 23	21 59	2 31	17 23	1 16	19 38	0 59	0 39	2 45	4 33	0 44	21 8
T 26	5 22	14 0	5 6	3 53	2 21	22 17	2 34	17 10	1 17	19 38	0 59	0 38	2 45	4 32	0 44	21 8
F 27	5 45	16 55	4 52	3 9	2 18	22 35	2 37	16 57	1 17	19 38	0 59	0 36	2 45	4 31	0 44	21 8
S 28	6 7	18 51	4 23	2 24	2 15	22 52	2 41	16 44	1 18	19 38	0 58	0 34	2 45	4 30	0 44	21 8
S 29	6 30	19 45	3 42	1 38	2 12	23 9	2 44	16 31	1 19	19 38	0 58	0 32	2 45	4 28	0 44	21 8
M 30	6 53	19 39	2 51	0 51	2 8	23 25	2 47	16 18	1 20	19 37	0 58	0 31	2 45	4 27	0 44	21 8
T 31	7n15	18n39	1s53	0s 3	2s 3	23n41	2n50	16s 4	1s21	19n37	0n58	0s29	2n45	4s26	0s44	21n 8

Julian Day Number = 2240502.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'45, Nutation = - 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'45, Lahiri = 15°47'46 Julian Calendar 1 March 1422 == Greg. Calendar 10 March 1422

# ASTRODIENST EPHEMERIS for the year 1422

## geocentric

APRIL 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 10 11	19°25'05	10°23'40	6°21'28	4°21'25	20°57'57	6°23'37	7°29'29	20°35'35	23°37'37	26°18'18	20°16'16	18°58'58	5°31'31	5°32'32	W 1
T 2	13 14 7	20°23'40	22°22'22	8°21'21	5°27'27	21°42'42	6°39'39	7°25'25	20°39'39	23°37'37	26°19'19	20°16'16	18°55'55	5°38'38	5°34'34	T 2
F 3	13 18 4	21°22'12	4°11'11	10°16'16	6°30'30	22°28'28	6°40'40	7°20'20	20°42'42	23°37'37	26°20'20	20°15'15	18°51'51	5°45'45	5°36'36	F 3
S 4	13 22 0	22°20'42	15°58'58	12°13'13	7°32'32	23°13'13	6°42'42	7°16'16	20°45'45	23°37'37	26°20'20	20°12'12	18°48'48	5°51'51	5°38'38	S 4
S 5	13 25 57	23°19'10	27°54'54	14°11'11	8°33'33	23°58'58	6°44'44	7°11'11	20°48'48	23°38'38	26°21'21	20°6'6	18°45'45	5°58'58	5°40'40	S 5
M 6	13 29 54	24°17'36	9°58'58	16°10'10	9°35'35	24°43'43	6°46'46	7°7'7	20°51'51	23°38'38	26°22'22	19°58'58	18°42'42	6°5'5	5°42'42	M 6
T 7	13 33 50	25°16'00	22°14'14	18°11'11	10°36'36	25°28'28	6°48'48	7°3'3	20°54'54	23°38'38	26°23'23	19°47'47	18°39'39	6°11'11	5°44'44	T 7
W 8	13 37 47	26°14'22	4°11'11	20°14'14	11°36'36	26°13'13	6°51'51	6°59'59	20°57'57	23°39'39	26°23'23	19°36'36	18°36'36	6°18'18	5°45'45	W 8
T 9	13 41 43	27°12'42	17°20'20	22°18'18	12°36'36	26°58'58	6°54'54	6°54'54	21°0'0	23°39'39	26°24'24	19°24'24	18°32'32	6°24'24	5°47'47	T 9
F 10	13 45 40	28°11'01	0°12'12	24°23'23	13°36'36	27°43'43	6°56'56	6°50'50	21°2'2	23°40'40	26°25'25	19°13'13	18°29'29	6°31'31	5°49'49	F 10
S 11	13 49 36	29°9'18	13°15'15	26°30'30	14°36'36	28°28'28	6°59'59	6°46'46	21°5'5	23°40'40	26°26'26	19°4'4	18°26'26	6°38'38	5°50'50	S 11
S 12	13 53 33	0°7'33	26°30'30	28°37'37	15°35'35	29°13'13	7°3'3	6°42'42	21°8'8	23°41'41	26°27'27	18°57'57	18°23'23	6°44'44	5°52'52	S 12
M13	13 57 29	1°5'47	9°58'58	0°45'45	16°33'33	29°58'58	7°6'6	6°38'38	21°11'11	23°41'41	26°28'28	18°53'53	18°20'20	6°51'51	5°53'53	M13
T 14	14 1 26	2°3'59	23°37'37	2°54'54	17°31'31	0°43'43	7°10'10	6°34'34	21°14'14	23°42'42	26°29'29	18°51'51	18°16'16	6°58'58	5°54'54	T 14
W15	14 5 23	3°2'10	7°31'31	5°4'4	18°29'29	1°28'28	7°13'13	6°30'30	21°17'17	23°43'43	26°30'30	18°51'51	18°13'13	7°4'4	5°55'55	W15
T 16	14 9 19	4°0'19	21°37'37	7°13'13	19°26'26	2°13'13	7°17'17	6°26'26	21°19'19	23°43'43	26°31'31	18°51'51	18°10'10	7°11'11	5°57'57	T 16
F 17	14 13 16	4°58'27	5°57'57	9°23'23	20°23'23	2°58'58	7°21'21	6°23'23	21°22'22	23°44'44	26°32'32	18°50'50	18°7'7	7°18'18	5°58'58	F 17
S 18	14 17 12	5°56'34	20°28'28	11°32'32	21°19'19	3°43'43	7°25'25	6°19'19	21°25'25	23°45'45	26°33'33	18°48'48	18°4'4	7°24'24	5°59'59	S 18
S 19	14 21 9	6°54'39	5°5'5	13°41'41	22°15'15	4°28'28	7°30'30	6°15'15	21°27'27	23°45'45	26°34'34	18°42'42	18°1'1	7°31'31	6°0'0	S 19
M20	14 25 5	7°52'42	19°43'43	15°49'49	23°10'10	5°13'13	7°34'34	6°12'12	21°30'30	23°46'46	26°35'35	18°34'34	17°57'57	7°38'38	6°1'1	M20
T 21	14 29 2	8°50'44	4°16'16	17°55'55	24°5'5	5°58'58	7°39'39	6°8'8	21°33'33	23°47'47	26°36'36	18°23'23	17°54'54	7°44'44	6°2'2	T 21
W22	14 32 58	9°48'44	18°35'35	20°0'0	24°59'59	6°43'43	7°44'44	6°5'5	21°35'35	23°48'48	26°37'37	18°12'12	17°51'51	7°51'51	6°3'3	W22
T 23	14 36 55	10°46'43	2°11'11	22°4'4	25°53'53	7°28'28	7°49'49	6°1'1	21°38'38	23°49'49	26°38'38	18°0'0	17°48'48	7°58'58	6°4'4	T 23
F 24	14 40 51	11°44'40	16°11'11	24°5'5	26°46'46	8°13'13	7°54'54	5°58'58	21°40'40	23°50'50	26°39'39	17°50'50	17°45'45	8°4'4	6°5'5	F 24
S 25	14 44 48	12°42'35	29°23'23	26°4'4	27°38'38	8°57'57	7°59'59	5°55'55	21°43'43	23°51'51	26°40'40	17°42'42	17°42'42	8°11'11	6°4'4	S 25
S 26	14 48 45	13°40'29	12°10'10	28°1'1	28°29'29	9°42'42	8°5'5	5°51'51	21°45'45	23°51'51	26°41'41	17°37'37	17°38'38	8°18'18	6°5'5	S 26
M27	14 52 41	14°38'21	24°36'36	29°55'55	29°20'20	10°27'27	8°10'10	5°48'48	21°47'47	23°52'52	26°42'42	17°34'34	17°35'35	8°24'24	6°5'5	M27
T 28	14 56 38	15°36'11	6°11'11	1°11'11	11°12'12	8°16'16	8°16'16	5°45'45	21°50'50	23°54'54	26°43'43	17°33'33	17°32'32	8°31'31	6°5'5	T 28
W29	15 0 34	16°33'59	18°41'41	3°34'34	1°0'0	11°56'56	8°22'22	5°42'42	21°52'52	23°55'55	26°44'44	17°33'33	17°29'29	8°38'38	6°6'6	W29
T 30	15 4 31	17°31'45	0°11'11	5°11'11	12°49'49	12°41'41	8°28'28	5°40'40	21°54'54	23°56'56	26°45'45	17°32'32	17°26'26	8°44'44	6°6'6	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
W 1	7n37	16n49	0s52	0n46	1s58	23n56	2n53	15s50	1s21	19n37	0n58	0s27	2n45	4s25	0s44	21n 8
T 2	7 59	14 17	0n11	1 36	1 53	24 10	2 56	15 36	1 22	19 36	0 58	0 25	2 45	4 23	0 44	21 8
F 3	8 22	11 10	1 14	2 27	1 46	24 24	2 59	15 22	1 23	19 36	0 58	0 24	2 45	4 22	0 44	21 8
S 4	8 43	7 35	2 13	3 19	1 40	24 38	3 2	15 8	1 24	19 35	0 58	0 22	2 45	4 21	0 44	21 8
S 5	9 5	3 42	3 7	4 11	1 33	24 50	3 5	14 54	1 24	19 35	0 58	0 20	2 45	4 20	0 44	21 8
M 6	9 27	0s24	3 53	5 4	1 25	25 3	3 7	14 40	1 25	19 34	0 58	0 19	2 45	4 19	0 44	21 8
T 7	9 48	4 31	4 29	5 58	1 17	25 14	3 10	14 25	1 26	19 33	0 58	0 17	2 45	4 18	0 44	21 8
W 8	10 10	8 32	4 53	6 52	1 9	25 25	3 12	14 10	1 27	19 33	0 57	0 15	2 45	4 16	0 44	21 8
T 9	10 31	12 13	5 2	7 47	1 0	25 36	3 15	13 56	1 27	19 32	0 57	0 14	2 45	4 15	0 44	21 8
F 10	10 52	15 25	4 57	8 42	0 50	25 46	3 17	13 41	1 28	19 31	0 57	0 12	2 45	4 14	0 44	21 8
S 11	11 12	17 53	4 36	9 37	0 41	25 55	3 19	13 26	1 29	19 30	0 57	0 11	2 44	4 13	0 44	21 8
S 12	11 33	19 27	4 1	10 32	0 31	26 4	3 21	13 11	1 30	19 29	0 57	0 9	2 44	4 12	0 44	21 7
M13	11 53	19 58	3 11	11 27	0 21	26 12	3 23	12 55	1 30	19 28	0 57	0 8	2 44	4 11	0 44	21 7
T 14	12 14	19 19	2 10	12 21	0 10	26 19	3 25	12 40	1 31	19 27	0 57	0 6	2 44	4 10	0 44	21 7
W15	12 34	17 29	1 0	13 15	0n 0	26 26	3 27	12 25	1 32	19 26	0 57	0 5	2 44	4 9	0 44	21 7
T 16	12 54	14 34	0s15	14 8	0 11	26 33	3 28	12 9	1 32	19 25	0 57	0 3	2 44	4 8	0 44	21 7
F 17	13 13	10 44	1 29	15 0	0 22	26 39	3 30	11 54	1 33	19 24	0 57	0 2	2 44	4 6	0 44	21 7
S 18	13 33	6 14	2 39	15 51	0 32	26 44	3 31	11 38	1 34	19 23	0 57	0 1	2 44	4 5	0 44	21 7
S 19	13 52	1 19	3 39	16 40	0 43	26 49	3 32	11 22	1 35	19 22	0 57	0n 1	2 44	4 4	0 44	21 7
M20	14 11	3n40	4 24	17 28	0 53	26 53	3 33	11 6	1 35	19 21	0 56	0 2	2 43	4 3	0 44	21 7
T 21	14 29	8 24	4 52	18 14	1 3	26 56	3 34	10 50	1 36	19 19	0 56	0 3	2 43	4 2	0 44	21 7
W22	14 48	12 55	5 1	18 58	1 12	26 59	3 35	10 34	1 37	19 18	0 56	0 5	2 43	4 1	0 44	21 6
T 23	15 6	15 58	4 51	19 39	1 22	27 2	3 35	10 18	1 37	19 17	0 56	0 6	2 43	4 0	0 44	21 6
F 24	15 24	18 24	4 25	20 19	1 30	27 4	3 35	10 2	1 38	19 15	0 56	0 7	2 43	3 59	0 44	21 6
S 25	15 42	19 45	3 46	20 55	1 39	27 5	3 36	9 45	1 39	19 14	0 56	0 8	2 43	3 59	0 44	21 6
S 26	16 0	20 2	2 56	21 30	1 46	27 6	3 36	9 29	1 39	19 12	0 56	0 9	2 42	3 58	0 44	21 6
M27	16 17	19 20	1 58	22 2	1 53	27 6	3 36	9 13	1 40	19 11	0 56	0 10	2 42	3 57	0 44	21 6
T 28	16 34	17 44	0 57	22 31	1 59	27 6	3 35	8 56	1 41	19 9	0 56	0 11	2 42	3 56	0 44	21 6
W29	16 50	15 22	0n 6	22 58	2 5	27 5	3 35	8 40	1 41	19 7	0 56	0 12	2 42	3 55	0 44	21 5
T 30	17n 7	12n23	1n 8	23n23	2n 9	27n 4	3n34	8s23	1s42	19n 6	0n56	0n13	2n42	3s54	0s44	21n 5

Julian Day Number = 2240533.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'45, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'50, Lahiri = 15°47'50 Julian Calendar 1 Apr. 1422 == Greg. Calendar 10 Apr. 1422

ASTRODIENST EPHEMERIS for the year 1422  
geocentric

MAY 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
F 1	15 8 27	18 <sup>8</sup> 29'30	12 <sup>11</sup> 18	7 <sup>II</sup> 2	2 <sup>5</sup> 37	13 <sup>1</sup> 26	8 <sup>2</sup> 34	5°R37	21 <sup>1</sup> 57	23 <sup>5</sup> 57	26 <sup>II</sup> 47	17°R31	17 <sup>2</sup> 22	8 <sup>11</sup> 51	6 <sup>2</sup> 6	F 1
S 2	15 12 24	19°27'13	24°11	8°41	3°24	14°10	8°41	5 <sup>2</sup> 34	21°59	23°58	26°48	17 <sup>2</sup> 27	17°19	8°58	6° 6	S 2
S 3	15 16 20	20°24'55	6 <sup>2</sup> 11	10°17	4°10	14°55	8°47	5°31	22° 1	23°59	26°49	17°21	17°16	9° 4	6°R 6	S 3
M 4	15 20 17	21°22'35	18°23	11°49	4°56	15°39	8°54	5°29	22° 3	24° 0	26°50	17°12	17°13	9°11	6° 6	M 4
T 5	15 24 14	22°20'13	0 <sup>11</sup> 50	13°18	5°40	16°24	9° 0	5°26	22° 5	24° 2	26°52	17° 1	17°10	9°17	6° 6	T 5
W 6	15 28 10	23°17'51	13°33	14°44	6°24	17° 8	9° 7	5°24	22° 7	24° 3	26°53	16°49	17° 7	9°24	6° 6	W 6
T 7	15 32 7	24°15'27	26°31	16° 6	7° 6	17°53	9°14	5°22	22° 9	24° 4	26°54	16°36	17° 3	9°31	6° 5	T 7
F 8	15 36 3	25°13'01	9 <sup>2</sup> 43	17°25	7°48	18°37	9°22	5°20	22°11	24° 5	26°55	16°24	17° 0	9°37	6° 5	F 8
S 9	15 40 0	26°10'35	23° 9	18°40	8°28	19°22	9°29	5°18	22°13	24° 7	26°57	16°14	16°57	9°44	6° 5	S 9
S 10	15 43 56	27° 8'07	6 <sup>2</sup> 45	19°52	9° 7	20° 6	9°36	5°16	22°15	24° 8	26°58	16° 7	16°54	9°51	6° 4	S 10
M 11	15 47 53	28° 5'39	20°30	21° 0	9°45	20°50	9°44	5°14	22°17	24° 9	26°59	16° 3	16°51	9°57	6° 4	M 11
T 12	15 51 49	29° 3'10	4 <sup>2</sup> 23	22° 5	10°22	21°35	9°51	5°12	22°19	24°11	27° 1	16° 1	16°48	10° 4	6° 3	T 12
W 13	15 55 46	0 <sup>II</sup> 0'39	18°22	23° 5	10°58	22°19	9°59	5°10	22°21	24°12	27° 2	16°D 0	16°44	10°11	6° 3	W 13
T 14	15 59 43	0°58'08	2 <sup>1</sup> 27	24° 2	11°33	23° 3	10° 7	5° 9	22°22	24°14	27° 3	16°R 0	16°41	10°17	6° 2	T 14
F 15	16 3 39	1°55'37	16°37	24°55	12° 6	23°47	10°15	5° 7	22°24	24°15	27° 5	16° 0	16°38	10°24	6° 1	F 15
S 16	16 7 36	2°53'04	0 <sup>1</sup> 50	25°44	12°38	24°31	10°23	5° 6	22°26	24°17	27° 6	15°57	16°35	10°31	6° 0	S 16
S 17	16 11 32	3°50'31	15° 5	26°29	13° 8	25°15	10°32	5° 4	22°27	24°18	27° 7	15°52	16°32	10°37	5°59	S 17
M 18	16 15 29	4°47'57	29°18	27°10	13°37	25°59	10°40	5° 3	22°29	24°20	27° 9	15°45	16°28	10°44	5°58	M 18
T 19	16 19 25	5°45'22	13 <sup>2</sup> 25	27°47	14° 4	26°43	10°49	5° 2	22°30	24°21	27°10	15°35	16°25	10°51	5°57	T 19
W 20	16 23 22	6°42'47	27°21	28°19	14°30	27°27	10°57	5° 1	22°32	24°23	27°12	15°24	16°22	10°57	5°56	W 20
T 21	16 27 18	7°40'10	11 <sup>II</sup> 2	28°47	14°54	28°11	11° 6	5° 0	22°33	24°25	27°13	15°14	16°19	11° 4	5°55	T 21
F 22	16 31 15	8°37'33	24°24	29°11	15°17	28°54	11°15	4°59	22°35	24°26	27°14	15° 4	16°16	11°11	5°54	F 22
S 23	16 35 12	9°34'55	7 <sup>2</sup> 25	29°30	15°37	29°38	11°24	4°58	22°36	24°28	27°16	14°56	16°13	11°17	5°52	S 23
S 24	16 39 8	10°32'17	20° 7	29°44	15°56	0 <sup>1</sup> 22	11°33	4°58	22°37	24°30	27°17	14°51	16° 9	11°24	5°51	S 24
M 25	16 43 5	11°29'37	2 <sup>2</sup> 30	29°54	16°13	1° 5	11°42	4°57	22°38	24°31	27°19	14°49	16° 6	11°31	5°50	M 25
T 26	16 47 1	12°26'56	14°38	29°59	16°28	1°49	11°51	4°57	22°40	24°33	27°20	14°D48	16° 3	11°37	5°48	T 26
W 27	16 50 58	13°24'14	26°34	0°R 1	16°41	2°32	12° 1	4°56	22°41	24°35	27°21	14°48	16° 0	11°44	5°47	W 27
T 28	16 54 54	14°21'31	8 <sup>11</sup> 25	29°57	16°52	3°15	12°10	4°56	22°42	24°37	27°23	14°49	15°57	11°51	5°45	T 28
F 29	16 58 51	15°18'48	20°14	29°49	17° 1	3°59	12°20	4°56	22°43	24°39	27°24	14°R49	15°54	11°57	5°43	F 29
S 30	17 2 48	16°16'03	2 <sup>2</sup> 8	29°37	17° 7	4°42	12°29	4°D56	22°44	24°40	27°26	14°48	15°50	12° 4	5°42	S 30
S 31	17 6 44	17 <sup>II</sup> 13'18	14 <sup>2</sup> 12	29 <sup>II</sup> 20	17 <sup>2</sup> 11	5 <sup>1</sup> 25	12 <sup>2</sup> 39	4 <sup>2</sup> 56	22 <sup>1</sup> 45	24 <sup>2</sup> 42	27 <sup>II</sup> 27	14 <sup>2</sup> 44	15 <sup>2</sup> 47	12 <sup>11</sup> 11	5 <sup>2</sup> 40	S 31

Day	☉	☽		♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17n23	8n55	2n 7	23n45	2n13	27n 2	3n33	8s 7	1s42	19n 4	0n55	0n14	2n42	3s53	0s44	21n 5	0s18	19n 0	4s28	15n38	15n40	10n 2	12s 3	6n58	
S 2	17 39	5 5	3 1	24 4	2 17	27 0	3 32	7 50	1 43	19 2	0 55	0 15	2 41	3 52	0 45	21 5	0 18	19 1	4 28	15 39	15 41	10 0	12 2	6 59	
S 3	17 54	1 1	3 47	24 21	2 19	26 58	3 31	7 33	1 44	19 0	0 55	0 16	2 41	3 51	0 45	21 5	0 18	19 1	4 28	15 41	15 42	9 58	12 2	6 59	
M 4	18 10	3s10	4 24	24 36	2 20	26 55	3 29	7 16	1 44	18 59	0 55	0 17	2 41	3 51	0 45	21 5	0 18	19 1	4 28	15 44	15 43	9 56	12 1	7 0	
T 5	18 25	7 17	4 49	24 48	2 21	26 51	3 28	6 59	1 45	18 57	0 55	0 18	2 41	3 50	0 45	21 4	0 18	19 1	4 28	15 47	15 44	9 55	12 1	7 0	
W 6	18 39	11 11	5 0	24 58	2 21	26 47	3 26	6 43	1 45	18 55	0 55	0 18	2 41	3 49	0 45	21 4	0 18	19 1	4 28	15 51	15 45	9 53	12 0	7 1	
T 7	18 54	14 38	4 56	25 6	2 20	26 43	3 24	6 26	1 46	18 53	0 55	0 19	2 40	3 48	0 45	21 4	0 18	19 1	4 27	15 54	15 46	9 51	12 0	7 1	
F 8	19 8	17 25	4 36	25 12	2 18	26 38	3 21	6 9	1 47	18 51	0 55	0 20	2 40	3 48	0 45	21 4	0 18	19 1	4 27	15 58	15 47	9 49	12 0	7 2	
S 9	19 21	19 19	4 1	25 17	2 15	26 33	3 19	5 52	1 47	18 49	0 55	0 20	2 40	3 47	0 45	21 3	0 18	19 1	4 27	16 1	15 48	9 47	11 59	7 2	
S 10	19 35	20 9	3 12	25 19	2 12	26 27	3 16	5 35	1 48	18 47	0 55	0 21	2 40	3 46	0 45	21 3	0 18	19 2	4 27	16 3	15 49	9 46	11 59	7 2	
M11	19 48	19 47	2 11	25 19	2 7	26 21	3 12	5 18	1 48	18 45	0 55	0 21	2 40	3 45	0 45	21 3	0 18	19 2	4 27	16 5	15 50	9 44	11 59	7 3	
T 12	20 0	18 14	1 1	25 18	2 2	26 15	3 9	5 1	1 49	18 43	0 55	0 22	2 39	3 45	0 45	21 3	0 18	19 2	4 27	16 5	15 51	9 42	11 58	7 3	
W13	20 13	15 34	0s13	25 16	1 56	26 8	3 5	4 44	1 49	18 40	0 55	0 22	2 39	3 44	0 45	21 3	0 18	19 2	4 27	16 5	15 52	9 40	11 58	7 4	
T 14	20 25	11 58	1 26	25 12	1 49	26 1	3 1	4 27	1 50	18 38	0 55	0 23	2 39	3 43	0 45	21 2	0 18	19 2	4 27	16 5	15 53	9 39	11 58	7 4	
F 15	20 37	7 40	2 35	25 6	1 41	25 54	2 57	4 10	1 50	18 36	0 54	0 23	2 39	3 43	0 45	21 2	0 18	19 2	4 27	16 5	15 54	9 37	11 58	7 5	
S 16	20 48	2 56	3 34	24 59	1 32	25 46	2 52	3 53	1 51	18 34	0 54	0 24	2 38	3 42	0 45	21 2	0 18	19 2	4 26	16 6	15 55	9 35	11 57	7 5	
S 17	20 59	1n58	4 20	24 51	1 23	25 38	2 47	3 36	1 51	18 31	0 54	0 24	2 38	3 42	0 45	21 2	0 18	19 3	4 26	16 8	15 56	9 33	11 57	7 6	
M18	21 10	6 44	4 50	24 41	1 13	25 30	2 42	3 19	1 52	18 29	0 54	0 24	2 38	3 41	0 45	21 1	0 18	19 3	4 26	16 10	15 57	9 31	11 57	7 6	
T 19	21 20	11 6	5 2	24 31	1 1	25 22	2 37	3 1	1 52	18 27	0 54	0 25	2 38	3 40	0 45	21 1	0 18	19 3	4 26	16 13	15 58	9 30	11 57	7 6	
W20	21 30	14 49	4 56	24 20	0 50	25 13	2 31	2 44	1 53	18 24	0 54	0 25	2 38	3 40	0 45	21 1	0 18	19 3	4 26	16 16	15 59	9 28	11 57	7 7	
T 21	21 39	17 40	4 33	24 7	0 37	25 4	2 24	2 27	1 53	18 22	0 54	0 25	2 37	3 39	0 45	21 1	0 18	19 3	4 26	16 19	16 0	9 26	11 57	7 7	
F 22	21 49	19 29	3 55	23 54	0 24	24 55	2 18	2 10	1 54	18 19	0 54	0 25	2 37	3 39	0 45	21 0	0 18	19 3	4 26	16 22	16 1	9 24	11 56	7 8	
S 23	21 57	20 13	3 5	23 40	0 10	24 46	2 11	1 53	1 54	18 17	0 54	0 25	2 37	3 38	0 45	21 0	0 18	19 3	4 26	16 24	16 2	9 22	11 56	7 8	
S 24	22 6	19 54	2 8	23 26	0s 5	24 36	2 4	1 36	1 54	18 14	0 54	0 25	2 37	3 38	0 45	21 0	0 18	19 3	4 26	16 26	16 3	9 21	11 56	7 8	
M25	22 14	18 36	1 5	23 10	0 20	24 26	1 56	1 19	1 55	18 12	0 54	0 25	2 36	3 37	0 45	20 59	0 18	19 3	4 26	16 26	16 3	9 19	11 56	7 9	
T 26	22 21	16 29	0 1	22 55	0 36	24 17	1 48	1 2	1 55	18 9	0 54	0 25	2 36	3 37	0 45	20 59	0 18	19 4	4 26	16 27	16 4	9 17	11 56	7 9	
W27	22 29	13 41	1n 3	22 39	0 52	24 7	1 39	0 45	1 56	18 6	0 54	0 25	2 36	3 36	0 45	20 59	0 18	19 4	4 26	16 27	16 5	9 15	11 56	7 10	
T 28	22 36	10 20	2 3	22 22	1 9	23 56	1 31	0 28	1 56	18 3	0 54	0 25	2 36	3 36	0 45	20 59	0 18	19 4	4 25	16 26	16 6	9 13	11 56	7 10	
F 29	22 42	6 36	2 58	22 5	1 25	23 46	1 21	0 12	1 56	18 1	0 54	0 25	2 35	3 36	0 45	20 58	0 18	19 4	4 25	16 26	16 7	9 11	11 56	7 10	
S 30	22 48	2 36	3 46	21 49	1 42	23 36	1 12	0n 5	1 57	17 58	0 54	0 25	2 35	3 35	0 45	20 58	0 18	19 4	4 25	16 27	16 8	9 10	11 56	7 11	
S 31	22n54	1s34	4n24	21n32	1s59	23n25	1n 2	0n22	1s57	17n55	0n54	0n24	2n35	3s35	0s45	20n58	0s18	19n 4	4s25	16n28	16n 9	9n 8	11s56	7n11	

Julian Day Number = 2240563.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'45, Nutation = -0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'54, Lahiri = 15°47'54 Julian Calendar 1 May 1422 == Greg. Calendar 10 May 1422



# ASTRODIENST EPHEMERIS for the year 1422

## geocentric

JUNE 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 10 41	18°10'32	26°29'29	29°R 0	17°R13	6°V 8	12°Q49	4°Q56	22°K46	24°Q44	27°II29	14°R39	15°Q44	12°M17	5°R38	M 1
T 2	17 14 37	19° 7'45	9°M 3	28°II36	17°Q13	6°S1	12°S9	4°S6	22°47	24°46	27°30	14°Q31	15°41	12°24	5°Q36	T 2
W 3	17 18 34	20° 4'58	21°S6	28°10	17°10	7°34	13° 9	4°S6	22°47	24°48	27°32	14°22	15°38	12°31	5°34	W 3
T 4	17 22 30	21° 2'10	5°K10	27°40	17° 5	8°17	13°19	4°S7	22°48	24°50	27°33	14°13	15°34	12°37	5°32	T 4
F 5	17 26 27	21°59'21	18°42	27° 9	16°58	8°59	13°29	4°S7	22°49	24°52	27°35	14° 5	15°31	12°44	5°30	F 5
S 6	17 30 23	22°56'33	2°Q30	26°35	16°48	9°42	13°39	4°S8	22°50	24°54	27°36	13°58	15°28	12°51	5°28	S 6
S 7	17 34 20	23°53'44	16°31	26° 1	16°36	10°25	13°50	4°S9	22°50	24°56	27°38	13°53	15°25	12°57	5°26	S 7
M 8	17 38 17	24°50'54	0°Q41	25°26	16°21	11° 7	14° 0	5° 0	22°51	24°57	27°39	13°50	15°22	13° 4	5°24	M 8
T 9	17 42 13	25°48'05	14°S6	24°50	16° 4	11°50	14°11	5° 1	22°51	24°59	27°40	13°D50	15°19	13°11	5°21	T 9
W10	17 46 10	26°45'16	29°12	24°16	15°45	12°32	14°21	5° 2	22°52	25° 1	27°42	13°50	15°15	13°17	5°19	W10
T11	17 50 6	27°42'26	13°K27	23°43	15°23	13°14	14°32	5° 3	22°52	25° 3	27°43	13°51	15°12	13°24	5°17	T11
F12	17 54 3	28°39'37	27°38	23°11	14°59	13°56	14°43	5° 4	22°53	25° 6	27°45	13°R52	15° 9	13°31	5°14	F12
S13	17 57 59	29°36'48	11°V44	22°42	14°34	14°38	14°54	5° 5	22°53	25° 8	27°46	13°51	15° 6	13°37	5°12	S13
S14	18 1 56	0°Q33'59	25°44	22°16	14° 6	15°20	15° 4	5° 7	22°53	25°10	27°48	13°49	15° 3	13°44	5° 9	S14
M15	18 5 52	1°31'10	9°K35	21°53	13°37	16° 2	15°15	5° 8	22°54	25°12	27°49	13°45	15° 0	13°51	5° 7	M15
T16	18 9 49	2°28'21	23°17	21°34	13° 5	16°44	15°27	5°10	22°54	25°14	27°51	13°39	14°56	13°57	5° 4	T16
W17	18 13 46	3°25'33	6°II47	21°18	12°33	17°26	15°38	5°12	22°54	25°16	27°52	13°33	14°53	14° 4	5° 2	W17
T18	18 17 42	4°22'45	20° 3	21° 8	11°59	18° 7	15°49	5°13	22°54	25°18	27°54	13°26	14°50	14°11	4°59	T18
F19	18 21 39	5°19'57	3°Q4	21° 1	11°24	18°49	16° 0	5°15	22°54	25°20	27°55	13°21	14°47	14°17	4°56	F19
S20	18 25 35	6°17'09	15°49	21°D 0	10°48	19°30	16°11	5°17	22°R54	25°22	27°57	13°16	14°44	14°24	4°54	S20
S21	18 29 32	7°14'21	28°19	21° 4	10°11	20°11	16°23	5°20	22°54	25°24	27°58	13°13	14°40	14°31	4°51	S21
M22	18 33 28	8°11'33	10°Q34	21°13	9°34	20°52	16°34	5°22	22°54	25°26	28° 0	13°D12	14°37	14°37	4°48	M22
T23	18 37 25	9° 8'45	22°38	21°27	8°56	21°33	16°46	5°24	22°54	25°29	28° 1	13°13	14°34	14°44	4°45	T23
W24	18 41 21	10° 5'58	4°M32	21°46	8°19	22°14	16°57	5°26	22°54	25°31	28° 3	13°14	14°31	14°51	4°42	W24
T25	18 45 18	11° 3'10	16°22	22°10	7°42	22°55	17° 9	5°29	22°53	25°33	28° 4	13°16	14°28	14°57	4°39	T25
F26	18 49 15	12° 0'22	28°12	22°40	7° 5	23°36	17°21	5°31	22°53	25°35	28° 5	13°17	14°25	15° 4	4°37	F26
S27	18 53 11	12°57'34	10°Q6	23°15	6°29	24°16	17°33	5°34	22°53	25°37	28° 7	13°R18	14°21	15°11	4°34	S27
S28	18 57 8	13°54'47	22°10	23°55	5°54	24°57	17°44	5°37	22°52	25°39	28° 8	13°18	14°18	15°17	4°31	S28
M29	19 1 4	14°51'59	4°M27	24°40	5°20	25°37	17°56	5°40	22°52	25°42	28°10	13°16	14°15	15°24	4°28	M29
T30	19 5 1	15°Q49'12	17°M3	25°II31	4°Q48	26°V17	18°Q8	5°Q43	22°K51	25°Q44	28°II11	13°Q14	14°Q12	15°M31	4°Q25	T30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	22n59	5s43	4n51	21n15	2s16	23n15	0n51	0n39	1s57	17n52	0n53	0n24	2n35	3s35	0s46	20n57
T 2	23 4 9 45	5 5 20 58	2 32 23	4 0 40	0 56	1 58 17 49	0 53	0 24	2 34	3 34	0 46	20 57	0 18	19 4	4 25	16 32
W 3	23 8 13 25	5 3 20 42	2 48 22 53	0 29	1 12	1 58 17 47	0 53	0 23	2 34	3 34	0 46	20 57	0 18	19 4	4 25	16 34
T 4	23 13 16 32	4 46 20 26	3 3 22 42	0 18	1 29	1 58 17 44	0 53	0 23	2 34	3 34	0 46	20 56	0 18	19 4	4 25	16 37
F 5	23 16 18 50	4 12 20 11	3 18 22 32	0 6	1 45	1 59 17 41	0 53	0 22	2 34	3 34	0 46	20 56	0 18	19 5	4 25	16 39
S 6	23 19 20 6	3 24 19 56	3 32 22 21	0s 7	2 2	1 59 17 38	0 53	0 22	2 33	3 33	0 46	20 56	0 18	19 5	4 25	16 41
S 7	23 22 20 9	2 22 19 43	3 45 22 10	0 19	2 18	1 59 17 35	0 53	0 21	2 33	3 33	0 46	20 55	0 18	19 5	4 25	16 43
M 8	23 25 18 55	1 10 19 30	3 56 21 59	0 32	2 35	1 59 17 31	0 53	0 21	2 33	3 33	0 46	20 55	0 18	19 5	4 25	16 43
T 9	23 27 16 30	0s 6 19 18	4 7 21 47	0 45	2 51	2 0 17 28	0 53	0 20	2 33	3 33	0 46	20 55	0 18	19 5	4 25	16 44
W10	23 28 13 4	1 22 19 8	4 16 21 36	0 59	3 8	2 0 17 25	0 53	0 20	2 32	3 33	0 46	20 54	0 17	19 5	4 25	16 43
T11	23 30 8 53	2 33 18 59	4 23 21 25	1 13	3 24	2 0 17 22	0 53	0 19	2 32	3 32	0 46	20 54	0 17	19 5	4 25	16 43
F12	23 30 4 13	3 35 18 51	4 29 21 14	1 27	3 40	2 0 17 19	0 53	0 18	2 32	3 32	0 46	20 54	0 17	19 5	4 25	16 43
S13	23 31 0n38	4 22 18 45	4 34 21 3	1 41	3 56	2 1 17 16	0 53	0 17	2 32	3 32	0 46	20 53	0 17	19 5	4 24	16 43
S14	23 31 5 24	4 54 18 41	4 37 20 52	1 55	4 12	2 1 17 12	0 53	0 17	2 31	3 32	0 46	20 53	0 17	19 5	4 24	16 44
M15	23 30 9 51	5 9 18 38	4 39 20 41	2 9	4 28	2 1 17 9	0 53	0 16	2 31	3 32	0 46	20 53	0 17	19 5	4 24	16 45
T16	23 29 13 43	5 5 18 36	4 39 20 29	2 23	4 44	2 1 17 6	0 53	0 15	2 31	3 32	0 46	20 52	0 17	19 5	4 24	16 47
W17	23 28 16 50	4 45 18 37	4 37 20 18	2 37	5 0	2 1 17 2	0 53	0 14	2 31	3 32	0 46	20 52	0 17	19 5	4 24	16 48
T18	23 26 19 0	4 9 18 39	4 35 20 8	2 51	5 15	2 1 16 59	0 53	0 13	2 30	3 32	0 46	20 51	0 17	19 6	4 24	16 50
F19	23 24 20 8	3 21 18 42	4 31 19 57	3 5	5 31	2 2 16 56	0 53	0 12	2 30	3 32	0 46	20 51	0 17	19 6	4 24	16 52
S20	23 22 20 12	2 24 18 48	4 25 19 46	3 19	5 47	2 2 16 52	0 53	0 11	2 30	3 32	0 46	20 51	0 17	19 6	4 24	16 53
S21	23 19 19 15	1 20 18 54	4 19 19 35	3 32	6 2	2 2 16 49	0 53	0 10	2 30	3 32	0 46	20 50	0 17	19 6	4 24	16 54
M22	23 15 17 25	0 14 19 2	4 11 19 25	3 45	6 17	2 2 16 45	0 53	0 9	2 29	3 32	0 46	20 50	0 17	19 6	4 24	16 54
T23	23 12 14 49	0n51 19 12	4 3 19 15	3 58	6 33	2 2 16 42	0 53	0 8	2 29	3 32	0 46	20 50	0 17	19 6	4 24	16 54
W24	23 8 11 39	1 54 19 22	3 54 19 5	4 10	6 48	2 2 16 38	0 53	0 7	2 29	3 32	0 46	20 49	0 17	19 6	4 24	16 54
T25	23 3 8 2	2 52 19 34	3 43 18 56	4 22	7 3	2 2 16 35	0 53	0 5	2 29	3 32	0 46	20 49	0 17	19 6	4 24	16 53
F26	22 58 4 7	3 42 19 46	3 32 18 46	4 33	7 18	2 2 16 31	0 53	0 4	2 29	3 33	0 46	20 48	0 17	19 6	4 24	16 53
S27	22 53 0 1	4 23 20 0	3 21 18 38	4 44	7 33	2 2 16 28	0 53	0 3	2 28	3 33	0 46	20 48	0 17	19 6	4 24	16 53
S28	22 47 4s 7	4 53 20 14	3 9 18 29	4 54	7 48	2 2 16 24	0 53	0 2	2 28	3 33	0 47	20 48	0 17	19 6	4 24	16 53
M29	22 41 8 10	5 10 20 28	2 56 18 21	5 4	8 2	2 2 16 20	0 53	0 0	2 28	3 33	0 47	20 47	0 17	19 6	4 24	16 53
T30	22n34	11s58	5n13	20n43	2s43	18n13	5s12	8n17	2s 2	16n17	0n53	0s 1	2n28	3s33	0s47	20n47

Julian Day Number = 2240594.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'44, Nutation = - 0°00'13, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°40'58, Lahiri = 15°47'59 Julian Calendar 1 June 1422 == Greg. Calendar 10 June 1422

# ASTRODIENST EPHEMERIS for the year 1422

## geocentric

JULY 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	19 8 57	16°46'24	0°1'1	26°26	4°R17	26°57	18°20	5°46	22°R51	25°46	28°13	13°R10	14°9	15°37	4°R21	W 1
T 2	19 12 54	17°43'38	13°21	27°27	3°47	27°37	18°32	5°49	22°50	25°48	28°14	13°6	14°5	15°44	4°18	T 2
F 3	19 16 50	18°40'51	27°5	28°32	3°20	28°17	18°44	5°52	22°50	25°50	28°15	13°3	14°2	15°51	4°15	F 3
S 4	19 20 47	19°38'05	11°31	29°43	2°54	28°56	18°56	5°55	22°49	25°53	28°17	13°0	13°59	15°57	4°12	S 4
S 5	19 24 44	20°35'20	25°33	0°58	2°31	29°36	19°9	5°59	22°48	25°55	28°18	12°58	13°56	16°4	4°9	S 5
M 6	19 28 40	21°32'35	10°8	2°18	2°9	0°15	19°21	6°2	22°48	25°57	28°20	12°D57	13°53	16°11	4°6	M 6
T 7	19 32 37	22°29'51	24°48	3°42	1°50	0°54	19°33	6°6	22°47	25°59	28°21	12°58	13°50	16°17	4°3	T 7
W 8	19 36 33	23°27'07	9°28	5°11	1°34	1°33	19°45	6°9	22°46	26°2	28°22	12°59	13°46	16°24	3°59	W 8
T 9	19 40 30	24°24'24	24°2	6°44	1°19	2°12	19°58	6°13	22°45	26°4	28°24	13°0	13°43	16°31	3°56	T 9
F 10	19 44 26	25°21'43	8°25	8°21	1°7	2°51	20°10	6°17	22°44	26°6	28°25	13°1	13°40	16°37	3°53	F 10
S 11	19 48 23	26°19'02	22°35	10°2	0°58	3°29	20°22	6°21	22°43	26°8	28°26	13°R 2	13°37	16°44	3°50	S 11
S 12	19 52 19	27°16'23	6°29	11°47	0°51	4°7	20°35	6°24	22°42	26°10	28°28	13°1	13°34	16°51	3°46	S 12
M13	19 56 16	28°13'45	20°8	13°35	0°46	4°46	20°47	6°28	22°41	26°13	28°29	13°1	13°31	16°57	3°43	M13
T 14	20 0 13	29°11'08	3°12	15°26	0°D44	5°24	21°0	6°33	22°40	26°15	28°30	12°59	13°27	17°4	3°40	T 14
W15	20 4 9	0°8'32	16°40	17°20	0°44	6°2	21°13	6°37	22°39	26°17	28°32	12°57	13°24	17°11	3°37	W15
T 16	20 8 6	1°5'57	29°33	19°17	0°46	6°39	21°25	6°41	22°38	26°19	28°33	12°56	13°21	17°17	3°33	T 16
F 17	20 12 2	2°3'23	12°12	21°15	0°51	7°17	21°38	6°45	22°36	26°22	28°34	12°54	13°18	17°24	3°30	F 17
S 18	20 15 59	3°0'50	24°39	23°16	0°57	7°54	21°50	6°50	22°35	26°24	28°35	12°53	13°15	17°31	3°27	S 18
S 19	20 19 55	3°58'19	6°25	25°17	1°6	8°31	22°3	6°54	22°34	26°26	28°37	12°D53	13°11	17°37	3°23	S 19
M20	20 23 52	4°55'48	19°0	27°20	1°17	9°8	22°16	6°59	22°32	26°28	28°38	12°53	13°8	17°44	3°20	M20
T 21	20 27 48	5°53'18	0°57	29°24	1°30	9°45	22°29	7°3	22°31	26°30	28°39	12°53	13°5	17°51	3°17	T 21
W22	20 31 45	6°50'49	12°49	1°28	1°45	10°21	22°41	7°8	22°29	26°33	28°40	12°54	13°2	17°57	3°13	W22
T 23	20 35 42	7°48'21	24°37	3°32	2°2	10°58	22°54	7°13	22°28	26°35	28°41	12°54	12°59	18°4	3°10	T 23
F 24	20 39 38	8°45'55	6°27	5°36	2°21	11°34	23°7	7°18	22°26	26°37	28°43	12°55	12°56	18°11	3°7	F 24
S 25	20 43 35	9°43'28	18°20	7°39	2°42	12°10	23°20	7°23	22°25	26°39	28°44	12°55	12°52	18°17	3°4	S 25
S 26	20 47 31	10°41'03	0°23	9°42	3°4	12°45	23°33	7°28	22°23	26°41	28°45	12°56	12°49	18°24	3°0	S 26
M27	20 51 28	11°38'39	12°39	11°45	3°28	13°21	23°46	7°33	22°22	26°44	28°46	12°R56	12°46	18°31	2°57	M27
T 28	20 55 24	12°36'16	25°12	13°46	3°54	13°56	23°58	7°38	22°20	26°46	28°47	12°D56	12°43	18°37	2°54	T 28
W29	20 59 21	13°33'54	8°16	15°46	4°21	14°31	24°11	7°43	22°18	26°48	28°48	12°56	12°40	18°44	2°51	W29
T 30	21 3 17	14°31'33	21°26	17°45	4°50	15°6	24°24	7°48	22°17	26°50	28°49	12°56	12°37	18°51	2°48	T 30
F 31	21 7 14	15°29'13	5°31	19°43	5°21	15°41	24°37	7°54	22°15	26°52	28°51	12°56	12°33	18°57	2°44	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	22n27	15s19	5n 1	20n58	2s30	18n 6	5s20	8n31	2s 2	16n13	0n53	0s 2	2n27	3s34	0s47	20n46
T 2	22 20	17 59	4 31	21 13	2 16	18 0	5 28	8 45	2 2	16 9	0 53	0 4	2 27	3 34	0 47	20 46
F 3	22 12	19 43	3 46	21 28	2 2	17 53	5 35	9 0	2 2	16 5	0 53	0 5	2 27	3 34	0 47	20 46
S 4	22 4	20 17	2 46	21 43	1 48	17 48	5 41	9 14	2 2	16 1	0 53	0 7	2 27	3 34	0 47	20 45
S 5	21 56	19 33	1 34	21 57	1 34	17 43	5 47	9 28	2 2	15 58	0 53	0 8	2 26	3 35	0 47	20 45
M 6	21 47	17 31	0 16	22 10	1 20	17 38	5 51	9 42	2 2	15 54	0 53	0 10	2 26	3 35	0 47	20 44
T 7	21 38	14 19	1s 5	22 22	1 6	17 34	5 56	9 55	2 2	15 50	0 53	0 12	2 26	3 35	0 47	20 44
W 8	21 28	10 13	2 21	22 33	0 52	17 31	5 59	10 9	2 1	15 46	0 53	0 13	2 26	3 36	0 47	20 44
T 9	21 18	5 33	3 28	22 42	0 38	17 28	6 2	10 22	2 1	15 42	0 53	0 15	2 26	3 36	0 47	20 43
F 10	21 8	0 39	4 21	22 50	0 25	17 26	6 5	10 36	2 1	15 38	0 53	0 17	2 25	3 37	0 47	20 43
S 11	20 57	4n13	4 56	22 56	0 12	17 24	6 7	10 49	2 1	15 34	0 53	0 18	2 25	3 37	0 47	20 42
S 12	20 46	8 47	5 14	23 0	0n 1	17 23	6 8	11 2	2 1	15 30	0 53	0 20	2 25	3 37	0 47	20 42
M13	20 35	12 47	5 14	23 2	0 13	17 22	6 9	11 15	2 1	15 26	0 53	0 22	2 25	3 38	0 47	20 42
T 14	20 23	16 4	4 56	23 1	0 24	17 22	6 9	11 28	2 0	15 22	0 53	0 24	2 25	3 38	0 47	20 41
W15	20 11	18 28	4 23	22 58	0 35	17 22	6 9	11 41	2 0	15 18	0 53	0 26	2 24	3 39	0 47	20 41
T 16	19 58	19 53	3 38	22 52	0 45	17 22	6 8	11 53	2 0	15 14	0 53	0 27	2 24	3 40	0 47	20 40
F 17	19 46	20 16	2 42	22 44	0 55	17 23	6 8	12 6	2 0	15 10	0 53	0 29	2 24	3 40	0 47	20 40
S 18	19 33	19 38	1 39	22 33	1 3	17 24	6 6	12 18	1 59	15 6	0 53	0 31	2 24	3 40	0 47	20 40
S 19	19 19	18 4	0 33	22 19	1 11	17 26	6 5	12 30	1 59	15 2	0 53	0 33	2 24	3 41	0 47	20 39
M20	19 5	15 43	0n34	22 2	1 18	17 28	6 3	12 42	1 59	14 58	0 53	0 35	2 23	3 42	0 47	20 39
T 21	18 51	12 42	1 39	21 43	1 25	17 30	6 0	12 54	1 59	14 54	0 53	0 37	2 23	3 42	0 47	20 38
W22	18 37	9 13	2 39	21 22	1 30	17 32	5 58	13 6	1 58	14 50	0 53	0 39	2 23	3 43	0 47	20 38
T 23	18 22	5 23	3 32	20 58	1 35	17 35	5 55	13 18	1 58	14 45	0 53	0 41	2 23	3 43	0 47	20 38
F 24	18 7	1 21	4 16	20 31	1 39	17 38	5 52	13 29	1 58	14 41	0 53	0 43	2 23	3 44	0 47	20 37
S 25	17 52	2s45	4 49	20 3	1 42	17 41	5 48	13 40	1 57	14 37	0 53	0 45	2 22	3 45	0 47	20 37
S 26	17 37	6 48	5 10	19 32	1 44	17 44	5 44	13 52	1 57	14 33	0 53	0 48	2 22	3 45	0 47	20 36
M27	17 21	10 38	5 18	19 0	1 45	17 48	5 41	14 3	1 56	14 28	0 53	0 50	2 22	3 46	0 47	20 36
T 28	17 5	14 6	5 10	18 26	1 46	17 51	5 37	14 14	1 56	14 24	0 53	0 52	2 22	3 47	0 47	20 35
W29	16 48	17 0	4 48	17 51	1 46	17 54	5 32	14 24	1 55	14 20	0 53	0 54	2 22	3 47	0 47	20 35
T 30	16 31	19 6	4 9	17 14	1 46	17 58	5 28	14 35	1 55	14 16	0 53	0 56	2 21	3 48	0 47	20 35
F 31	16n15	20s10	3n15	16n36	1n44	18n 1	5s23	14n45	1s55	14n11	0n53	0s59	2n21	3s49	0s48	20n34

Julian Day Number = 2240624.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'45", Nutation = - 0°00'12", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°41'02", Lahiri = 15°48'03" Julian Calendar 1 July 1422 == Greg. Calendar 10 July 1422



# ASTRODIENST EPHEMERIS for the year 1422

## geocentric

AUGUST 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 11 11	16°26'55	19°32'22	21°04'40	5°52'52	16°08'15	24°02'50	7°05'59	22°R13	26°54'54	28°II52	12°05'56	12°02'30	19°17'04	2°R41	S 1
S 2	21 15 7	17°24'37	3°35'55	23°35'00	6°26'00	16°49'00	25°3'00	8°4'00	22°X11	26°56'00	28°53'00	12°56'00	12°27'00	19°11'00	2°38'38	S 2
M 3	21 19 4	18°22'21	18°47'00	25°30'00	7°0'00	17°23'00	25°16'00	8°10'00	22°9'00	26°59'00	28°54'00	12°R56	12°24'00	19°17'00	2°35'00	M 3
T 4	21 23 0	19°20'06	3°48'00	27°22'00	7°36'00	17°56'00	25°29'00	8°15'00	22°8'00	27°1'00	28°55'00	12°56'00	12°21'00	19°24'00	2°32'00	T 4
W 5	21 26 57	20°17'53	18°51'00	29°14'00	8°13'00	18°30'00	25°42'00	8°21'00	22°6'00	27°3'00	28°56'00	12°56'00	12°17'00	19°31'00	2°29'00	W 5
T 6	21 30 53	21°15'41	3°47'00	1°17'04	8°51'00	19°3'00	25°55'00	8°27'00	22°4'00	27°5'00	28°57'00	12°55'00	12°14'00	19°37'00	2°26'00	T 6
F 7	21 34 50	22°13'31	18°29'00	2°52'00	9°30'00	19°36'00	26°8'00	8°32'00	22°2'00	27°7'00	28°58'00	12°54'00	12°11'00	19°44'00	2°23'00	F 7
S 8	21 38 46	23°11'23	2°05'51	4°40'00	10°11'00	20°8'00	26°21'00	8°38'00	22°0'00	27°9'00	28°59'00	12°53'00	12°8'00	19°51'00	2°20'00	S 8
S 9	21 42 43	24°9'16	16°50'00	6°25'00	10°52'00	20°40'00	26°34'00	8°44'00	21°58'00	27°11'00	29°0'00	12°52'00	12°5'00	19°57'00	2°17'00	S 9
M10	21 46 40	25°7'12	0°II27	8°10'00	11°35'00	21°12'00	26°47'00	8°50'00	21°56'00	27°13'00	29°0'00	12°D52	12°2'00	20°4'00	2°14'00	M10
T 11	21 50 36	26°5'09	13°41'00	9°53'00	12°18'00	21°44'00	27°0'00	8°56'00	21°53'00	27°15'00	29°1'00	12°53'00	11°58'00	20°11'00	2°11'00	T 11
W12	21 54 33	27°3'09	26°36'00	11°35'00	13°3'00	22°15'00	27°14'00	9°2'00	21°51'00	27°17'00	29°2'00	12°54'00	11°55'00	20°17'00	2°8'00	W12
T 13	21 58 29	28°1'10	9°03'13	13°16'00	13°48'00	22°47'00	27°27'00	9°8'00	21°49'00	27°19'00	29°3'00	12°55'00	11°52'00	20°24'00	2°5'00	T 13
F 14	22 2 26	28°59'13	21°36'00	14°56'00	14°34'00	23°17'00	27°40'00	9°14'00	21°47'00	27°21'00	29°4'00	12°56'00	11°49'00	20°31'00	2°2'00	F 14
S 15	22 6 22	29°57'18	3°02'47	16°34'00	15°21'00	23°48'00	27°53'00	9°20'00	21°45'00	27°23'00	29°5'00	12°57'00	11°46'00	20°37'00	2°0'00	S 15
S 16	22 10 19	0°11'55'25	15°50'00	18°11'00	16°9'00	24°18'00	28°6'00	9°26'00	21°43'00	27°25'00	29°6'00	12°R57	11°43'00	20°44'00	1°57'00	S 16
M17	22 14 15	1°53'33	27°46'00	19°46'00	16°58'00	24°48'00	28°19'00	9°33'00	21°41'00	27°27'00	29°6'00	12°57'00	11°39'00	20°51'00	1°54'00	M17
T 18	22 18 12	2°51'43	9°17'37	21°21'00	17°48'00	25°17'00	28°32'00	9°39'00	21°38'00	27°29'00	29°7'00	12°55'00	11°36'00	20°57'00	1°52'00	T 18
W19	22 22 9	3°49'55	21°27'00	22°54'00	18°38'00	25°46'00	28°45'00	9°45'00	21°36'00	27°31'00	29°8'00	12°52'00	11°33'00	21°4'00	1°49'00	W19
T 20	22 26 5	4°48'08	3°02'15	24°26'00	19°29'00	26°15'00	28°58'00	9°52'00	21°34'00	27°32'00	29°9'00	12°49'00	11°30'00	21°11'00	1°46'00	T 20
F 21	22 30 2	5°46'24	15°6'00	25°57'00	20°20'00	26°43'00	29°11'00	9°58'00	21°31'00	27°34'00	29°9'00	12°45'00	11°27'00	21°17'00	1°44'00	F 21
S 22	22 33 58	6°44'40	27°2'00	27°26'00	21°13'00	27°11'00	29°24'00	10°4'00	21°29'00	27°36'00	29°10'00	12°41'00	11°23'00	21°24'00	1°41'00	S 22
S 23	22 37 55	7°42'59	9°11'06	28°55'00	22°5'00	27°39'00	29°37'00	10°11'00	21°27'00	27°38'00	29°11'00	12°38'00	11°20'00	21°31'00	1°39'00	S 23
M24	22 41 51	8°41'19	21°20'00	0°02'22	22°59'00	28°6'00	29°50'00	10°17'00	21°25'00	27°40'00	29°11'00	12°36'00	11°17'00	21°37'00	1°37'00	M24
T 25	22 45 48	9°39'41	3°07'50	1°48'00	23°53'00	28°33'00	0°17'00	10°24'00	21°22'00	27°41'00	29°12'00	12°D35	11°14'00	21°44'00	1°34'00	T 25
W26	22 49 44	10°38'04	16°39'00	3°12'00	24°48'00	28°59'00	0°16'00	10°31'00	21°20'00	27°43'00	29°13'00	12°35'00	11°11'00	21°51'00	1°32'00	W26
T 27	22 53 41	11°36'29	29°51'00	4°36'00	25°43'00	29°25'00	0°29'00	10°37'00	21°17'00	27°45'00	29°13'00	12°35'00	11°8'00	21°57'00	1°30'00	T 27
F 28	22 57 37	12°34'55	13°03'28	5°58'00	26°39'00	29°51'00	0°42'00	10°44'00	21°15'00	27°47'00	29°14'00	12°37'00	11°4'00	22°4'00	1°28'00	F 28
S 29	23 1 34	13°33'24	27°33'00	7°18'00	27°35'00	0°II16	0°54'00	10°51'00	21°13'00	27°48'00	29°14'00	12°38'00	11°1'00	22°11'00	1°26'00	S 29
S 30	23 5 31	14°31'53	12°04'00	8°37'00	28°32'00	0°41'00	1°7'00	10°57'00	21°10'00	27°50'00	29°15'00	12°R39	10°58'00	22°18'00	1°23'00	S 30
M31	23 9 27	15°10'30'25	26°05'57	9°02'55	29°02'29	1°II5	1°17'20	11°04'00	21°08'00	27°52'00	29°II15	12°03'38	10°02'55	22°12'24	1°02'21	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	15n57	20s 1	2n 7	15n57	1n43	18n 5	5s19	14n56	1s54	14n 7	0n53	1s 1	2n21	3s49	0s48	20n34
S 2	15 40	18 31	0 50	15 17	1 40	18 8	5 14	15 6	1 54	14 3	0 53	1 3	2 21	3 50	0 48	20 33
M 3	15 22	15 45	0s32	14 36	1 38	18 11	5 9	15 16	1 53	13 58	0 53	1 6	2 21	3 51	0 48	20 33
T 4	15 4	11 54	1 53	13 54	1 34	18 14	5 4	15 26	1 52	13 54	0 53	1 8	2 21	3 52	0 48	20 33
W 5	14 46	7 17	3 6	13 11	1 31	18 18	4 58	15 35	1 52	13 50	0 53	1 10	2 21	3 52	0 48	20 32
T 6	14 27	2 15	4 6	12 29	1 26	18 20	4 53	15 45	1 51	13 45	0 53	1 13	2 20	3 53	0 48	20 32
F 7	14 9	2n49	4 49	11 45	1 22	18 23	4 48	15 55	1 51	13 41	0 53	1 15	2 20	3 54	0 48	20 31
S 8	13 50	7 36	5 12	11 1	1 17	18 26	4 42	16 4	1 50	13 36	0 53	1 17	2 20	3 55	0 48	20 31
S 9	13 31	11 52	5 16	10 17	1 12	18 28	4 37	16 13	1 49	13 32	0 53	1 20	2 20	3 56	0 48	20 31
M10	13 11	15 23	5 2	9 33	1 6	18 30	4 31	16 22	1 49	13 28	0 54	1 22	2 20	3 57	0 48	20 30
T 11	12 52	18 0	4 33	8 49	1 0	18 32	4 25	16 31	1 48	13 23	0 54	1 25	2 20	3 57	0 48	20 30
W12	12 32	19 39	3 49	8 4	0 54	18 34	4 20	16 40	1 47	13 19	0 54	1 27	2 19	3 58	0 48	20 30
T 13	12 12	20 16	2 56	7 20	0 48	18 35	4 14	16 48	1 47	13 14	0 54	1 30	2 19	3 59	0 48	20 29
F 14	11 52	19 52	1 56	6 35	0 41	18 36	4 8	16 57	1 46	13 10	0 54	1 32	2 19	4 0	0 48	20 29
S 15	11 31	18 33	0 51	5 51	0 34	18 37	4 2	17 5	1 45	13 5	0 54	1 35	2 19	4 1	0 48	20 28
S 16	11 11	16 24	0n16	5 6	0 27	18 38	3 56	17 13	1 44	13 1	0 54	1 37	2 19	4 2	0 48	20 28
M17	10 50	13 33	1 21	4 22	0 20	18 38	3 50	17 21	1 44	12 56	0 54	1 40	2 19	4 3	0 48	20 28
T 18	10 29	10 10	2 22	3 38	0 12	18 37	3 44	17 29	1 43	12 52	0 54	1 42	2 19	4 3	0 48	20 27
W19	10 8	6 25	3 17	2 54	0 5	18 37	3 38	17 36	1 42	12 47	0 54	1 45	2 19	4 4	0 48	20 27
T 20	9 47	2 25	4 3	2 10	0s 3	18 36	3 32	17 44	1 41	12 43	0 54	1 48	2 18	4 5	0 48	20 27
F 21	9 25	1s41	4 39	1 27	0 11	18 34	3 26	17 51	1 40	12 38	0 54	1 50	2 18	4 6	0 48	20 26
S 22	9 4	5 45	5 2	0 44	0 19	18 33	3 20	17 59	1 39	12 34	0 54	1 53	2 18	4 7	0 48	20 26
S 23	8 42	9 37	5 13	0 2	0 26	18 31	3 14	18 6	1 38	12 29	0 54	1 56	2 18	4 8	0 48	20 26
M24	8 20	13 9	5 10	0s40	0 35	18 28	3 8	18 13	1 38	12 25	0 54	1 58	2 18	4 9	0 48	20 25
T 25	7 58	16 11	4 53	1 22	0 43	18 25	3 1	18 20	1 37	12 20	0 55	2 1	2 18	4 10	0 48	20 25
W26	7 36	18 31	4 20	2 3	0 51	18 21	2 55	18 26	1 36	12 16	0 55	2 4	2 18	4 11	0 48	20 24
T 27	7 14	19 57	3 33	2 44	0 59	18 18	2 49	18 33	1 35	12 11	0 55	2 6	2 18	4 12	0 48	20 24
F 28	6 52	20 17	2 33	3 24	1 7	18 13	2 43	18 39	1 33	12 7	0 55	2 9	2 18	4 13	0 48	20 24
S 29	6 29	19 23	1 22	4 4	1 15	18 8	2 37	18 46	1 32	12 2	0 55	2 12	2 18	4 14	0 48	20 23
S 30	6 6	17 11	0 3	4 42	1 23	18 3	2 31	18 52	1 31	11 58	0 55	2 14	2 17	4 15	0 48	20 23
M31	5n44	13s47	1s17	5s21	1s32	17n57	2s25	18n58	1s30	11n53	0n55	2s17	2n17	4s16	0s48	20n23

Julian Day Number = 2240655.5, Delta T = 07m17s

Ecliptic obliquity = 23°30'45, Nutation = - 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°41'06, Lahiri = 15°48'07 Julian Calendar 1 Aug. 1422 == Greg. Calendar 10 Aug. 1422



ASTRODIENST EPHEMERIS for the year 1422  
geocentric

OCTOBER 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	1 11 40	16♌ 2'04	20♋47	22°R50	2♊9	8♌57	7♎41	14♌45	19°R56	28♏29	29°R19	10°R40	9♏16	25♊51	0°D49	T 1
F 2	1 15 37	17° 1'40	5♊52	21♌40	3°17	9° 1	7°52	14°53	19♋54	28°30	29♌19	10♏30	9°13	25°58	0♌49	F 2
S 3	1 19 33	18° 1'19	20°38	20°27	4°24	9° 4	8° 4	15° 0	19°52	28°31	29°19	10°20	9°10	26° 5	0°49	S 3
S 4	1 23 30	19° 1'00	4♌59	19°12	5°33	9° 7	8°15	15° 7	19°50	28°31	29°19	10°12	9° 7	26°11	0°49	S 4
M 5	1 27 26	20° 0'43	18°49	17°58	6°41	9° 8	8°26	15°14	19°48	28°32	29°18	10° 5	9° 4	26°18	0°49	M 5
T 6	1 31 23	21° 0'29	2♏10	16°47	7°49	9°R 9	8°38	15°22	19°46	28°33	29°18	10° 2	9° 0	26°25	0°50	T 6
W 7	1 35 20	22° 0'17	15° 3	15°41	8°58	9° 9	8°49	15°29	19°44	28°33	29°18	10° 0	8°57	26°31	0°50	W 7
T 8	1 39 16	23° 0'07	27°33	14°42	10° 7	9° 7	9° 0	15°36	19°42	28°34	29°17	10°D 0	8°54	26°38	0°50	T 8
F 9	1 43 13	23°59'59	9♏45	13°52	11°15	9° 5	9°11	15°43	19°40	28°34	29°17	10°R 0	8°51	26°45	0°51	F 9
S 10	1 47 9	24°59'54	21°44	13°12	12°25	9° 3	9°22	15°51	19°38	28°35	29°16	10° 0	8°48	26°52	0°51	S 10
S 11	1 51 6	25°59'51	3♊35	12°43	13°34	8°59	9°32	15°58	19°36	28°35	29°16	9°57	8°45	26°58	0°52	S 11
M12	1 55 2	26°59'49	15°23	12°25	14°43	8°54	9°43	16° 5	19°35	28°36	29°15	9°52	8°41	27° 5	0°53	M12
T 13	1 58 59	27°59'50	27°12	12°D19	15°53	8°48	9°54	16°12	19°33	28°36	29°15	9°44	8°38	27°12	0°54	T 13
W14	2 2 55	28°59'53	9♌4	12°24	17° 3	8°42	10° 4	16°19	19°31	28°36	29°14	9°34	8°35	27°18	0°54	W14
T 15	2 6 52	29°59'58	21° 2	12°40	18°13	8°35	10°15	16°27	19°29	28°37	29°14	9°21	8°32	27°25	0°55	T 15
F 16	2 10 49	1♌ 0'05	3♌7	13° 6	19°23	8°26	10°25	16°34	19°28	28°37	29°13	9° 6	8°29	27°32	0°56	F 16
S 17	2 14 45	2° 0'14	15°21	13°42	20°33	8°17	10°35	16°41	19°26	28°37	29°13	8°52	8°25	27°38	0°57	S 17
S 18	2 18 42	3° 0'24	27°43	14°25	21°43	8° 7	10°46	16°48	19°25	28°37	29°12	8°38	8°22	27°45	0°58	S 18
M19	2 22 38	4° 0'37	10♌15	15°17	22°54	7°56	10°56	16°55	19°23	28°38	29°12	8°27	8°19	27°52	1° 0	M19
T 20	2 26 35	5° 0'51	22°57	16°15	24° 5	7°44	11° 6	17° 2	19°22	28°38	29°11	8°19	8°16	27°58	1° 1	T 20
W21	2 30 31	6° 1'07	5♏52	17°19	25°15	7°32	11°16	17° 9	19°20	28°38	29°10	8°14	8°13	28° 5	1° 2	W21
T 22	2 34 28	7° 1'24	19° 0	18°28	26°26	7°19	11°25	17°16	19°19	28°38	29°10	8°11	8°10	28°12	1° 3	T 22
F 23	2 38 24	8° 1'42	2♌24	19°41	27°37	7° 4	11°35	17°23	19°17	28°R38	29° 9	8°11	8° 6	28°19	1° 5	F 23
S 24	2 42 21	9° 2'03	16° 7	20°58	28°48	6°49	11°45	17°30	19°16	28°38	29° 8	8°11	8° 3	28°25	1° 6	S 24
S 25	2 46 18	10° 2'24	0♊10	22°19	29°59	6°34	11°54	17°37	19°15	28°38	29° 8	8°10	8° 0	28°32	1° 8	S 25
M26	2 50 14	11° 2'47	14°32	23°42	1♌11	6°17	12° 4	17°44	19°14	28°38	29° 7	8° 7	7°57	28°39	1°10	M26
T 27	2 54 11	12° 3'11	29°12	25° 7	2°23	6° 0	12°13	17°51	19°12	28°38	29° 6	8° 2	7°54	28°45	1°11	T 27
W28	2 58 7	13° 3'37	14♋5	26°34	3°34	5°42	12°22	17°58	19°11	28°38	29° 5	7°53	7°51	28°52	1°13	W28
T 29	3 2 4	14° 4'04	29° 3	28° 3	4°46	5°24	12°31	18° 4	19°10	28°37	29° 5	7°43	7°47	28°59	1°15	T 29
F 30	3 6 0	15° 4'32	13♏57	29°33	5°58	5° 5	12°40	18°11	19° 9	28°37	29° 4	7°31	7°44	29° 5	1°17	F 30
S 31	3 9 57	16♌ 5'03	28♊37	1♌4	7♌10	4♌45	12♎49	18♌18	19♋8	28♏37	29♌3	7♏19	7♏41	29♊12	1♌19	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	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	
T 1	6s20	3n44 4s45	11s 0 2s15	11n 3 0n20	21n12 0s40	9n37 0n59	3s44 2n16	4s44 0s48	20n15 0s17	19n 4 4s26	17n37 17n59	5n 5 13s15	6n57		
F 2	6 43	8 46 5 2	10 18 1 58	10 42 0 24	21 15 0 38	9 33 0 59	3 47 2 16	4 45 0 48	20 15 0 17	19 4 4 27	17 40 18 0	5 3 13 16	6 56		
S 3	7 5	13 10 4 58	9 33 1 40	10 21 0 28	21 17 0 36	9 29 0 59	3 50 2 16	4 45 0 48	20 15 0 17	19 4 4 27	17 42 18 1	5 1 13 16	6 56		
S 4	7 28	16 41 4 35	8 46 1 20	10 0 0 32	21 20 0 34	9 25 0 59	3 53 2 16	4 46 0 48	20 15 0 17	19 4 4 27	17 45 18 2	4 59 13 16	6 55		
M 5	7 51	19 6 3 57	7 59 1 0	9 39 0 36	21 22 0 31	9 21 0 59	3 55 2 16	4 47 0 48	20 15 0 17	19 4 4 27	17 46 18 3	4 57 13 17	6 55		
T 6	8 13	20 23 3 7	7 13 0 39	9 17 0 40	21 25 0 29	9 17 0 59	3 58 2 16	4 48 0 47	20 15 0 17	19 4 4 27	17 47 18 4	4 54 13 17	6 54		
W 7	8 36	20 32 2 9	6 28 0 19	8 55 0 44	21 27 0 27	9 13 1 0	4 1 2 16	4 48 0 47	20 15 0 17	19 4 4 27	17 48 18 4	4 52 13 18	6 54		
T 8	8 58	19 38 1 6	5 47 0n 2	8 32 0 48	21 29 0 24	9 9 1 0	4 4 2 16	4 49 0 47	20 14 0 17	19 4 4 27	17 48 18 5	4 50 13 18	6 53		
F 9	9 20	17 50 0 1	5 10 0 21	8 9 0 51	21 32 0 22	9 5 1 0	4 6 2 17	4 50 0 47	20 14 0 17	19 4 4 27	17 48 18 6	4 48 13 19	6 53		
S 10	9 42	15 17 1n 2	4 37 0 39	7 46 0 55	21 34 0 19	9 1 1 0	4 9 2 17	4 51 0 47	20 14 0 17	19 4 4 27	17 48 18 7	4 46 13 19	6 52		
S 11	10 4	12 7 2 2	4 11 0 56	7 23 0 58	21 36 0 17	8 57 1 0	4 12 2 17	4 51 0 47	20 14 0 17	19 4 4 27	17 48 18 8	4 44 13 19	6 52		
M12	10 26	8 29 2 56	3 50 1 1	6 59 1 2	21 37 0 14	8 53 1 0	4 15 2 17	4 52 0 47	20 14 0 17	19 4 4 27	17 50 18 9	4 42 13 20	6 51		
T 13	10 48	4 31 3 42	3 35 1 24	6 35 1 5	21 39 0 11	8 49 1 1	4 17 2 17	4 53 0 47	20 14 0 17	19 4 4 27	17 52 18 9	4 40 13 20	6 51		
W14	11 9	0 22 4 19	3 26 1 36	6 10 1 8	21 41 0 9	8 45 1 1	4 20 2 17	4 53 0 47	20 14 0 17	19 4 4 27	17 55 18 10	4 37 13 20	6 50		
T 15	11 30	3s50 4 45	3 24 1 46	5 46 1 11	21 42 0 6	8 41 1 1	4 23 2 17	4 54 0 47	20 14 0 17	19 4 4 27	17 58 18 11	4 35 13 21	6 50		
F 16	11 51	7 55 4 58	3 26 1 54	5 21 1 14	21 44 0 3	8 38 1 1	4 25 2 17	4 54 0 47	20 14 0 17	19 4 4 27	18 2 18 12	4 33 13 21	6 49		
S 17	12 12	11 44 4 58	3 34 2 1	4 56 1 17	21 45 0 0	8 34 1 1	4 28 2 17	4 55 0 47	20 14 0 17	19 3 4 27	18 6 18 13	4 31 13 21	6 49		
S 18	12 33	15 6 4 44	3 46 2 6	4 31 1 20	21 46 0n 2	8 30 1 2	4 31 2 17	4 56 0 47	20 14 0 17	19 3 4 27	18 9 18 14	4 29 13 21	6 48		
M19	12 54	17 50 4 16	4 2 2 10	4 5 1 22	21 47 0 5	8 27 1 2	4 33 2 17	4 56 0 47	20 14 0 17	19 3 4 27	18 12 18 14	4 27 13 22	6 48		
T 20	13 14	19 45 3 34	4 22 2 12	3 40 1 25	21 48 0 8	8 23 1 2	4 36 2 17	4 57 0 47	20 14 0 17	19 3 4 27	18 14 18 15	4 25 13 22	6 47		
W21	13 34	20 41 2 42	4 46 2 14	3 14 1 27	21 49 0 11	8 19 1 2	4 39 2 17	4 57 0 47	20 14 0 17	19 3 4 27	18 16 18 16	4 22 13 22	6 47		
T 22	13 54	20 31 1 40	5 12 2 14	2 48 1 30	21 50 0 14	8 16 1 2	4 41 2 17	4 58 0 47	20 14 0 17	19 3 4 27	18 16 18 17	4 20 13 22	6 46		
F 23	14 14	19 11 0 30	5 40 2 13	2 21 1 32	21 50 0 17	8 12 1 2	4 44 2 17	4 58 0 47	20 14 0 17	19 3 4 27	18 17 18 18	4 18 13 22	6 46		
S 24	14 33	16 43 0s42	6 11 2 11	1 55 1 34	21 51 0 20	8 9 1 3	4 46 2 17	4 59 0 47	20 14 0 17	19 3 4 27	18 17 18 19	4 16 13 22	6 45		
S 25	14 52	13 13 1 53	6 43 2 9	1 29 1 36	21 51 0 23	8 5 1 3	4 49 2 18	4 59 0 47	20 14 0 17	19 3 4 27	18 17 18 19	4 14 13 23	6 45		
M26	15 11	8 52 2 59	7 16 2 6	1 2 1 38	21 51 0 26	8 2 1 3	4 52 2 18	5 0 0 47	20 14 0 17	19 3 4 27	18 18 18 20	4 12 13 23	6 45		
T 27	15 30	3 54 3 55	7 51 2 2	0 35 1 40	21 51 0 29	7 58 1 3	4 54 2 18	5 0 0 47	20 14 0 17	19 3 4 27	18 19 18 21	4 10 13 23	6 44		
W28	15 48	1n21 4 35	8 27 1 58	0 8 1 42	21 51 0 32	7 55 1 3	4 57 2 18	5 1 0 47	20 14 0 17	19 3 4 27	18 21 18 22	4 7 13 23	6 44		
T 29	16 7	6 32 4 57	9 3 1 54	0s19 1 44	21 50 0 35	7 52 1 4	4 59 2 18	5 1 0 47	20 14 0 17	19 3 4 27	18 24 18 23	4 5 13 23	6 43		
F 30	16 24	11 19 4 58	9 39 1 49	0 46 1 45	21 50 0 38	7 49 1 4	5 2 2 18	5 1 0 47	20 14 0 17	19 3 4 28	18 27 18 23	4 3 13 23	6 43		
S 31	16s42	15n21 4s40	10s16 1n43	1s13 1n47	21n49 0n41	7n45 1n4	5s 4 2n18	5s 2 0s47	20n14 0s17	19n 3 4s28	18n30 18n24	4n 1 13s23	6n42		

Julian Day Number = 2240716.5, Delta T = 07m16s  
Ecliptic obliquity = 23°30'46", Nutation = - 0°00'14", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 16°41'15", Lahiri = 15°48'15" Julian Calendar 1 Oct. 1422 == Greg. Calendar 10 Oct. 1422



ASTRODIENST EPHEMERIS for the year 1422  
geocentric

DECEMBER 1422 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 12 10	17°31'59	17°59	19°42	14°58	24°R 6	16°16	21°23	19°1	28°R14	28°R30	4°R29	6°3	2°40	2°48	T 1
W 2	5 16 7	18°33'05	0°56	21°17	16°12	23°52	16°20	21°28	19°2	28°13	28°29	4°D27	5°59	2°46	2°51	W 2
T 3	5 20 3	19°34'11	13°32	22°52	17°26	23°39	16°24	21°33	19°3	28°11	28°28	4°28	5°56	2°53	2°55	T 3
F 4	5 24 0	20°35'19	25°50	24°27	18°40	23°27	16°28	21°38	19°3	28°10	28°27	4°29	5°53	3°0	2°59	F 4
S 5	5 27 56	21°36'27	7°54	26°3	19°55	23°15	16°32	21°43	19°4	28°9	28°26	4°31	5°50	3°6	3°3	S 5
S 6	5 31 53	22°37'35	19°48	27°39	21°9	23°4	16°36	21°48	19°5	28°8	28°24	4°R31	5°47	3°13	3°7	S 6
M 7	5 35 49	23°38'45	1°39	29°15	22°23	22°54	16°39	21°52	19°6	28°6	28°23	4°31	5°43	3°20	3°10	M 7
T 8	5 39 46	24°39'55	13°31	0°51	23°37	22°45	16°42	21°57	19°7	28°5	28°22	4°29	5°40	3°27	3°14	T 8
W 9	5 43 43	25°41'05	25°28	2°27	24°52	22°37	16°45	22°1	19°8	28°4	28°21	4°25	5°37	3°33	3°18	W 9
T 10	5 47 39	26°42'16	7°36	4°4	26°6	22°30	16°48	22°6	19°9	28°2	28°19	4°20	5°34	3°40	3°22	T 10
F 11	5 51 36	27°43'28	19°58	5°41	27°20	22°23	16°50	22°10	19°10	28°1	28°18	4°13	5°31	3°47	3°26	F 11
S 12	5 55 32	28°44'40	2°35	7°18	28°35	22°17	16°53	22°14	19°11	27°59	28°17	4°7	5°28	3°53	3°30	S 12
S 13	5 59 29	29°45'52	15°28	8°55	29°49	22°12	16°55	22°19	19°12	27°58	28°16	4°0	5°24	4°0	3°34	S 13
M14	6 3 25	0°34'04	28°38	10°32	1°4	22°8	16°57	22°23	19°13	27°57	28°15	3°55	5°21	4°7	3°38	M14
T 15	6 7 22	1°48'17	12°3	12°10	2°18	22°5	16°59	22°27	19°14	27°55	28°13	3°52	5°18	4°13	3°43	T 15
W16	6 11 18	2°49'30	25°42	13°47	3°33	22°2	17°1	22°31	19°16	27°54	28°12	3°50	5°15	4°20	3°47	W16
T 17	6 15 15	3°50'42	9°31	15°24	4°47	22°0	17°2	22°34	19°17	27°52	28°11	3°D50	5°12	4°27	3°51	T 17
F 18	6 19 12	4°51'54	23°29	17°2	6°2	21°59	17°4	22°38	19°18	27°51	28°10	3°51	5°9	4°34	3°55	F 18
S 19	6 23 8	5°53'06	7°32	18°39	7°16	21°D59	17°5	22°42	19°20	27°49	28°9	3°52	5°9	4°40	3°59	S 19
S 20	6 27 5	6°54'17	21°39	20°15	8°31	22°0	17°6	22°45	19°21	27°47	28°7	3°54	5°2	4°47	4°4	S 20
M21	6 31 1	7°55'28	5°49	21°51	9°45	22°1	17°6	22°49	19°23	27°46	28°6	3°R55	4°59	4°54	4°8	M21
T 22	6 34 58	8°56'39	19°59	23°27	11°0	22°4	17°7	22°52	19°25	27°44	28°5	3°54	4°56	5°0	4°12	T 22
W23	6 38 54	9°57'49	4°7	25°2	12°14	22°7	17°7	22°56	19°26	27°43	28°4	3°53	4°53	5°7	4°17	W23
T 24	6 42 51	10°58'58	18°12	26°36	13°29	22°10	17°R 7	22°59	19°28	27°41	28°3	3°50	4°49	5°14	4°21	T 24
F 25	6 46 48	12°0'07	2°9	28°8	14°44	22°15	17°7	23°2	19°30	27°40	28°1	3°47	4°46	5°21	4°25	F 25
S 26	6 50 44	13°1'15	15°57	29°39	15°58	22°20	17°7	23°5	19°31	27°38	28°0	3°44	4°43	5°27	4°30	S 26
S 27	6 54 41	14°2'23	29°33	1°8	17°13	22°26	17°7	23°8	19°33	27°36	27°59	3°41	4°40	5°34	4°34	S 27
M28	6 58 37	15°3'31	12°54	2°34	18°28	22°32	17°6	23°11	19°35	27°35	27°58	3°39	4°37	5°41	4°39	M28
T 29	7 2 34	16°4'38	25°59	3°58	19°42	22°39	17°5	23°13	19°37	27°33	27°57	3°38	4°34	5°47	4°43	T 29
W30	7 6 30	17°5'44	8°46	5°18	20°57	22°47	17°4	23°16	19°39	27°31	27°56	3°D38	4°30	5°54	4°48	W30
T 31	7 10 27	18°6'50	21°17	6°34	22°12	22°56	17°13	23°18	19°41	27°30	27°54	3°D38	4°27	6°1	4°52	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s56	20n51	1s28	24s38	1s32	14s40	1n47	20n44	1n57	6n32	1n12	6s9	2n23	5s3	0s45	20n19
W 2	23 1	19 42	0 19	24 49	1 36	15 3	1 46	20 42	1 58	6 31	1 12	6 11	2 23	5 3	0 45	20 19
T 3	23 6	17 36	0n49	24 59	1 40	15 25	1 44	20 40	2 0	6 29	1 12	6 13	2 23	5 3	0 45	20 19
F 4	23 11	14 43	1 53	25 8	1 45	15 47	1 43	20 39	2 1	6 28	1 12	6 14	2 24	5 2	0 45	20 19
S 5	23 15	11 17	2 51	25 16	1 48	16 9	1 41	20 37	2 2	6 27	1 13	6 16	2 24	5 2	0 45	20 20
S 6	23 18	7 26	3 41	25 21	1 52	16 30	1 40	20 35	2 3	6 26	1 13	6 18	2 24	5 2	0 45	20 20
M 7	23 22	3 20	4 21	25 26	1 55	16 51	1 38	20 34	2 5	6 25	1 13	6 19	2 24	5 1	0 45	20 20
T 8	23 24	0s54	4 50	25 29	1 58	17 11	1 36	20 33	2 6	6 24	1 14	6 21	2 24	5 1	0 45	20 20
W 9	23 27	5 7	5 7	25 30	2 1	17 31	1 34	20 31	2 7	6 23	1 14	6 22	2 25	5 1	0 45	20 21
T 10	23 28	9 12	5 10	25 30	2 3	17 50	1 32	20 30	2 8	6 22	1 14	6 23	2 25	5 0	0 45	20 21
F 11	23 30	12 59	4 59	25 28	2 5	18 9	1 31	20 30	2 9	6 21	1 14	6 25	2 25	5 0	0 45	20 21
S 12	23 30	16 16	4 33	25 25	2 7	18 28	1 29	20 29	2 10	6 20	1 15	6 26	2 25	4 59	0 45	20 22
S 13	23 31	18 51	3 53	25 20	2 8	18 46	1 27	20 28	2 10	6 20	1 15	6 28	2 26	4 59	0 45	20 22
M14	23 31	20 30	3 0	25 14	2 9	19 3	1 25	20 28	2 11	6 19	1 15	6 29	2 26	4 58	0 45	20 22
T 15	23 30	21 2	1 56	25 6	2 9	19 20	1 22	20 28	2 12	6 19	1 16	6 30	2 26	4 58	0 45	20 22
W16	23 29	20 20	0 44	24 56	2 9	19 37	1 20	20 28	2 12	6 18	1 16	6 31	2 26	4 57	0 45	20 23
T 17	23 27	18 25	0s31	24 45	2 9	19 53	1 18	20 28	2 13	6 18	1 16	6 33	2 26	4 56	0 45	20 23
F 18	23 25	15 24	1 46	24 32	2 8	20 8	1 16	20 28	2 14	6 18	1 16	6 34	2 27	4 56	0 45	20 23
S 19	23 23	11 28	2 54	24 17	2 6	20 23	1 14	20 29	2 14	6 18	1 17	6 35	2 27	4 55	0 45	20 24
S 20	23 20	6 53	3 53	24 1	2 4	20 37	1 11	20 29	2 15	6 18	1 17	6 36	2 27	4 55	0 45	20 24
M21	23 17	1 56	4 37	23 43	2 1	20 51	1 9	20 30	2 15	6 18	1 17	6 37	2 27	4 54	0 45	20 24
T 22	23 13	3n7	5 5	23 24	1 57	21 4	1 6	20 31	2 15	6 18	1 18	6 38	2 28	4 53	0 45	20 25
W23	23 8	8 0	5 14	23 3	1 53	21 16	1 4	20 32	2 16	6 18	1 18	6 39	2 28	4 53	0 45	20 25
T 24	23 3	12 25	5 5	22 40	1 49	21 28	1 2	20 34	2 16	6 18	1 18	6 40	2 28	4 52	0 45	20 25
F 25	22 58	16 8	4 37	22 17	1 43	21 39	0 59	20 35	2 16	6 18	1 18	6 41	2 28	4 51	0 45	20 26
S 26	22 52	18 54	3 53	21 52	1 37	21 50	0 57	20 37	2 17	6 19	1 19	6 42	2 29	4 51	0 45	20 26
S 27	22 46	20 34	2 57	21 25	1 29	22 0	0 54	20 38	2 17	6 19	1 19	6 43	2 29	4 50	0 44	20 26
M28	22 40	21 2	1 52	20 58	1 21	22 9	0 51	20 40	2 17	6 20	1 19	6 43	2 29	4 49	0 44	20 27
T 29	22 32	20 20	0 42	20 30	1 12	22 18	0 49	20 42	2 17	6 20	1 20	6 44	2 29	4 48	0 44	20 27
W30	22 25	18 35	0n28	20 1	1 2	22 26	0 46	20 44	2 17	6 21	1 20	6 45	2 30	4 47	0 44	20 27
T 31	22s17	15n58	1n36	19s31	0s51	22s33	0n44	20n47	2n18	6n22	1n20	6s46	2n30	4s47	0s44	20n28

Julian Day Number = 2240777.5, Delta T = 07m16s  
Ecliptic obliquity = 23°30'45", Nutation = - 0°00'14", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 16°41'23", Lahiri = 15°48'24" Julian Calendar 1 Dec. 1422 == Greg. Calendar 10 Dec. 1422