



Astrodienst Ephemeris Tables for the year 1407

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 1407
geocentric

JANUARY 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 13 54	19♌ 0'42	14♌36	5♌ 7	22♌10	19♌59	21♌ 0	14♌ 5	18♌39	20♌48	10♌44	15♌ D 9	13♌52	15♌ 9	27♌ 5	S 1
S 2	7 17 50	20° 1'47	26°56	6°39	23°24	20°43	21° 5	14°10	18°42	20♌47	10♌44	15♌ 9	13°49	15°16	27♌ 1	S 2
M 3	7 21 47	21° 2'53	9♌ 0	8°11	24°39	21°27	21°11	14°16	18°46	20°45	10°43	15°10	13°46	15°23	26°57	M 3
T 4	7 25 44	22° 3'58	20°54	9°44	25°54	22°11	21°16	14°21	18°49	20°44	10°42	15°12	13°42	15°29	26°52	T 4
W 5	7 29 40	23° 5'02	2♌41	11°18	27° 8	22°55	21°22	14°27	18°53	20°43	10°41	15°13	13°39	15°36	26°48	W 5
T 6	7 33 37	24° 6'07	14°27	12°52	28°23	23°39	21°27	14°32	18°56	20°41	10°40	15°R14	13°36	15°42	26°43	T 6
F 7	7 37 33	25° 7'10	26°15	14°27	29°38	24°23	21°33	14°38	19° 0	20°40	10°39	15°13	13°33	15°49	26°39	F 7
S 8	7 41 30	26° 8'13	8♌ 9	16° 2	0♌52	25° 7	21°40	14°44	19° 3	20°39	10°39	15°11	13°30	15°56	26°34	S 8
S 9	7 45 26	27° 9'15	20°11	17°38	2° 7	25°52	21°46	14°50	19° 7	20°37	10°38	15° 6	13°27	16° 2	26°29	S 9
M10	7 49 23	28°10'16	2♌23	19°14	3°22	26°36	21°52	14°55	19°10	20°36	10°37	14°59	13°23	16° 9	26°25	M10
T 11	7 53 20	29°11'16	14°46	20°52	4°37	27°20	21°59	15° 1	19°14	20°35	10°36	14°51	13°20	16°16	26°20	T 11
W12	7 57 16	0♌12'15	27°21	22°29	5°51	28° 5	22° 6	15° 7	19°17	20°33	10°36	14°42	13°17	16°22	26°16	W12
T 13	8 1 13	1°13'13	10♌ 8	24° 8	7° 6	28°49	22°13	15°13	19°21	20°32	10°35	14°34	13°14	16°29	26°11	T 13
F 14	8 5 9	2°14'10	23° 7	25°47	8°21	29°34	22°20	15°19	19°24	20°31	10°34	14°27	13°11	16°36	26° 7	F 14
S 15	8 9 6	3°15'05	6♌19	27°27	9°35	0♌18	22°27	15°26	19°28	20°30	10°34	14°21	13° 7	16°42	26° 2	S 15
S 16	8 13 2	4°15'59	19°44	29° 8	10°50	1° 3	22°35	15°32	19°31	20°29	10°33	14°18	13° 4	16°49	25°58	S 16
M17	8 16 59	5°16'52	3♌25	0♌49	12° 5	1°47	22°42	15°38	19°35	20°28	10°32	14°D17	13° 1	16°56	25°53	M17
T 18	8 20 55	6°17'43	17°20	2°31	13°20	2°32	22°50	15°44	19°38	20°27	10°32	14°17	12°58	17° 2	25°49	T 18
W19	8 24 52	7°18'33	1♌31	4°14	14°34	3°16	22°58	15°51	19°42	20°26	10°31	14°18	12°55	17° 9	25°45	W19
T 20	8 28 49	8°19'21	15°57	5°57	15°49	4° 1	23° 6	15°57	19°45	20°24	10°31	14°R19	12°52	17°16	25°40	T 20
F 21	8 32 45	9°20'08	0♌34	7°41	17° 4	4°46	23°14	16° 4	19°49	20°23	10°30	14°18	12°48	17°22	25°36	F 21
S 22	8 36 42	10°20'53	15°18	9°27	18°18	5°30	23°23	16°10	19°52	20°22	10°30	14°14	12°45	17°29	25°31	S 22
S 23	8 40 38	11°21'37	0♌ 2	11°12	19°33	6°15	23°31	16°17	19°55	20°22	10°29	14° 8	12°42	17°35	25°27	S 23
M24	8 44 35	12°22'20	14°39	12°59	20°48	7° 0	23°40	16°23	19°59	20°21	10°29	14° 0	12°39	17°42	25°23	M24
T 25	8 48 31	13°23'00	29° 2	14°46	22° 3	7°45	23°48	16°30	20° 2	20°20	10°28	13°50	12°36	17°49	25°19	T 25
W26	8 52 28	14°23'40	13♌ 4	16°34	23°17	8°29	23°57	16°37	20° 5	20°19	10°28	13°40	12°33	17°55	25°15	W26
T 27	8 56 24	15°24'18	26°41	18°23	24°32	9°14	24° 6	16°43	20° 9	20°18	10°27	13°30	12°29	18° 2	25°10	T 27
F 28	9 0 21	16°24'55	9♌52	20°13	25°47	9°59	24°15	16°50	20°12	20°17	10°27	13°23	12°26	18° 9	25° 6	F 28
S 29	9 4 18	17°25'31	22°38	22° 3	27° 1	10°44	24°25	16°57	20°15	20°16	10°27	13°17	12°23	18°15	25° 2	S 29
S 30	9 8 14	18°26'06	5♌ 2	23°53	28°16	11°29	24°34	17° 4	20°18	20°16	10°26	13°14	12°20	18°22	24°58	S 30
M31	9 12 11	19°26'39	17♌ 8	25°44	29♌31	12♌14	24°44	17♌11	20♌22	20♌15	10♌26	13°D13	12♌17	18♌29	24♌54	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22s10	1s35	4n33	24s22	0s57	22s31	0n46	23s29	0s21	7n 6	1s13	8s11	2s 4	22s40	0s27	21n54	1s18	13n 4	9s 9	22n41	22n32	22s48	13n18	7s39	
S 2	22 1	6 47	3 54	24 24	1 3	22 38	0 44	23 33	0 21	7 8	1 12	8 9	2 4	22 39	0 27	21 54	1 18	13 4	9 9	22 41	22 32	22 50	13 18	7 39	
M 3	21 52	11 37	3 5	24 25	1 9	22 44	0 41	23 36	0 22	7 10	1 12	8 7	2 4	22 39	0 27	21 54	1 18	13 4	9 8	22 41	22 32	22 51	13 19	7 39	
T 4	21 42	15 58	2 9	24 24	1 15	22 49	0 38	23 40	0 23	7 13	1 12	8 5	2 4	22 38	0 27	21 54	1 18	13 4	9 8	22 42	22 31	22 53	13 20	7 39	
W 5	21 32	19 39	1 8	24 22	1 20	22 54	0 35	23 43	0 23	7 15	1 12	8 3	2 4	22 38	0 27	21 54	1 18	13 5	9 8	22 42	22 31	22 55	13 21	7 40	
T 6	21 22	22 32	0 4	24 18	1 25	22 58	0 33	23 46	0 24	7 18	1 11	8 0	2 4	22 37	0 27	21 54	1 18	13 5	9 8	22 42	22 30	22 56	13 21	7 40	
F 7	21 11	24 27	1s 0	24 13	1 30	23 1	0 30	23 49	0 25	7 20	1 11	7 58	2 4	22 37	0 27	21 54	1 18	13 5	9 8	22 42	22 30	22 58	13 22	7 40	
S 8	20 59	25 17	2 1	24 7	1 34	23 4	0 27	23 51	0 25	7 23	1 11	7 56	2 3	22 36	0 27	21 54	1 18	13 5	9 7	22 41	22 30	22 59	13 23	7 40	
S 9	20 48	24 56	2 58	23 59	1 39	23 5	0 25	23 53	0 26	7 25	1 10	7 53	2 3	22 36	0 27	21 54	1 17	13 5	9 7	22 41	22 29	23 1	13 24	7 40	
M10	20 36	23 23	3 48	23 49	1 43	23 7	0 22	23 55	0 27	7 28	1 10	7 51	2 3	22 35	0 27	21 54	1 17	13 5	9 7	22 40	22 29	23 2	13 25	7 40	
T 11	20 23	20 42	4 27	23 38	1 46	23 7	0 19	23 57	0 28	7 31	1 10	7 49	2 3	22 35	0 27	21 54	1 17	13 5	9 7	22 39	22 28	23 4	13 25	7 40	
W12	20 10	17 2	4 54	23 26	1 50	23 7	0 16	23 58	0 28	7 33	1 10	7 46	2 3	22 34	0 27	21 54	1 17	13 5	9 7	22 38	22 28	23 6	13 26	7 40	
T 13	19 57	12 32	5 7	23 12	1 53	23 6	0 14	24 0	0 29	7 36	1 9	7 44	2 3	22 34	0 27	21 54	1 17	13 5	9 6	22 37	22 28	23 7	13 27	7 40	
F 14	19 44	7 24	5 4	22 57	1 55	23 4	0 11	24 1	0 30	7 39	1 9	7 41	2 3	22 33	0 27	21 54	1 17	13 5	9 6	22 36	22 27	23 9	13 28	7 39	
S 15	19 30	1 51	4 46	22 40	1 58	23 2	0 8	24 1	0 30	7 42	1 9	7 39	2 3	22 33	0 27	21 53	1 17	13 5	9 6	22 36	22 27	23 10	13 29	7 39	
S 16	19 15	3n52	4 11	22 21	2 0	22 59	0 5	24 2	0 31	7 45	1 8	7 36	2 3	22 32	0 27	21 53	1 17	13 6	9 6	22 35	22 26	23 12	13 30	7 39	
M17	19 1	9 32	3 22	22 1	2 1	22 55	0 3	24 2	0 32	7 48	1 8	7 34	2 2	22 32	0 27	21 53	1 17	13 6	9 6	22 35	22 26	23 13	13 31	7 39	
T 18	18 46	14 49	2 20	21 39	2 3	22 51	0s 0	24 2	0 33	7 51	1 8	7 31	2 2	22 31	0 27	21 53	1 17	13 6	9 5	22 35	22 26	23 15	13 32	7 39	
W19	18 30	19 25	1 8	21 16	2 4	22 46	0 3	24 2	0 33	7 55	1 8	7 29	2 2	22 31	0 27	21 53	1 17	13 6	9 5	22 35	22 25	23 16	13 33	7 39	
T 20	18 15	22 55	0n 9	20 51	2 4	22 40	0 5	24 1	0 34	7 58	1 7	7 26	2 2	22 30	0 27	21 53	1 17	13 6	9 5	22 35	22 25	23 18	13 34	7 39	
F 21	17 59	24 57	1 26	20 24	2 4	22 33	0 8	24 1	0 35	8 1	1 7	7 23	2 2	22 30	0 27	21 53	1 17	13 6	9 5	22 35	22 24	23 19	13 35	7 38	
S 22	17 42	25 15	2 38	19 56	2 4	22 26	0 11	23 59	0 35	8 4	1 7	7 21	2 2	22 29	0 27	21 53	1 17	13 6	9 5	22 35	22 24	23 21	13 36	7 38	
S 23	17 26	23 47	3 40	19 26	2 3	22 18	0 13	23 58	0 36	8 8	1 7	7 18	2 2	22 29	0 27	21 53	1 17	13 7	9 4	22 34	22 24	23 22	13 37	7 38	
M24	17 9	20 43	4 26	18 55	2 2	22 10	0 16	23 57	0 37	8 11	1 6	7 16	2 2	22 28	0 27	21 53	1 17	13 7	9 4	22 33	22 23	23 24	13 37	7 38	
T 25	16 51	16 26	4 54	18 22	2 0	22 1	0 18	23 55	0 38	8 15	1 6	7 13	2 2	22 28	0 27	21 53	1 17	13 7	9 4	22 32	22 23	23 25	13 38	7 38	
W26	16 34	11 21	5 4	17 47	1 58	21 51	0 21	23 53	0 38	8 18	1 6	7 10	2 2	22 27	0 27	21 53	1 17	13 7	9 4	22 31	22 22	23 27	13 39	7 37	
T 27	16 16	5 51	4 57	17 11	1 55	21 40	0 23	23 50	0 39	8 22	1 6	7 8	2 2	22 27	0 27	21 53	1 17	13 7	9 3	22 30	22 22	23 28	13 40	7 37	
F 28	15 58	0 16	4 33	16 33	1 51	21 29	0 26	23 48	0 40	8 25	1 5	7 5	2 2	22 26	0 27	21 53	1 17	13 7	9 3	22 29	22 22	23 30	13 41	7 37	
S 29	15 40	5s11	3 56	15 54	1 47	21 17	0 28	23 45	0 40	8 29	1 5	7 2	2 2	22 26	0 27	21 53	1 17	13 8	9 3	22 28	22 21	23 31	13 42	7 36	
S 30	15 21	10 16	3 9	15 13	1 43	21 5	0 31	23 42	0 41	8 33	1 5	6 59	2 2	22 25	0 27	21 53	1 17	13 8	9 3	22 28	22 21	23 33	13 44	7 36	
M31	15s 2	14s51	2n15	14s31	1s38	20s51	0s33	23s39	0s42	8n36	1s 5	6s57	2s 1	22s25	0s27	21n53	1s17	13n 8	9s 3	22n28	22n20	23s34	13n45	7s36	

ASTRODIENST EPHEMERIS for the year 1407
geocentric

FEBRUARY 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 16 7	20 ²⁷ 11	29 ¹¹ 3	27 ³⁶ 36	0 ⁴⁵ 45	12 ⁵⁹ 59	24 ⁵³ 53	17 ¹⁸ 18	20 ²⁵ 25	20 ^{R14} 14	10 ^{R26} 26	13 ¹³ 13	12 ¹³ 13	18 ³⁵ 35	24 ^{R50} 50	T 1
W 2	9 20 4	21 ²⁷ 42	10 ⁵¹ 51	29 ²⁷ 27	2 ⁰ 0	13 ⁴⁴ 44	25 ³ 3	17 ²⁴ 24	20 ²⁸ 28	20 ¹⁴ 14	10 ²⁵ 25	13 ^{R14} 14	12 ¹⁰ 10	18 ⁴² 42	24 ⁵⁴⁷ 547	W 2
T 3	9 24 0	22 ²⁸ 11	22 ³⁷ 37	1 ¹⁹ 19	3 ¹⁵ 15	14 ²⁹ 29	25 ¹³ 13	17 ³¹ 31	20 ³¹ 31	20 ¹³ 13	10 ²⁵ 25	13 ¹³ 13	12 ⁷ 7	18 ⁴⁹ 49	24 ⁴³ 43	T 3
F 4	9 27 57	23 ²⁸ 39	4 ²⁸ 28	3 ¹⁰ 10	4 ³⁰ 30	15 ¹⁴ 14	25 ²³ 23	17 ³⁸ 38	20 ³⁴ 34	20 ¹² 12	10 ²⁵ 25	13 ¹¹ 11	12 ⁴ 4	18 ⁵⁵ 55	24 ³⁹ 39	F 4
S 5	9 31 53	24 ²⁹ 06	16 ²⁷ 27	5 ¹ 1	5 ⁴⁴ 44	15 ⁵⁹ 59	25 ³³ 33	17 ⁴⁶ 46	20 ³⁷ 37	20 ¹² 12	10 ²⁴ 24	13 ⁶ 6	12 ¹ 1	19 ² 2	24 ³⁵ 35	S 5
S 6	9 35 50	25 ²⁹ 31	28 ³⁸ 38	6 ⁵² 52	6 ⁵⁹ 59	16 ⁴⁵ 45	25 ⁴³ 43	17 ⁵³ 53	20 ⁴⁰ 40	20 ¹¹ 11	10 ²⁴ 24	12 ⁵⁹ 59	11 ⁵⁸ 58	19 ⁸ 8	24 ³² 32	S 6
M 7	9 39 47	26 ²⁹ 54	11 ² 2	8 ⁴² 42	8 ¹⁴ 14	17 ³⁰ 30	25 ⁵⁴ 54	18 ⁰ 0	20 ⁴³ 43	20 ¹¹ 11	10 ²⁴ 24	12 ⁴⁸ 48	11 ⁵⁴ 54	19 ¹⁵ 15	24 ²⁸ 28	M 7
T 8	9 43 43	27 ³⁰ 16	23 ⁴² 42	10 ³⁰ 30	9 ²⁸ 28	18 ¹⁵ 15	26 ⁴ 4	18 ⁷ 7	20 ⁴⁶ 46	20 ¹⁰ 10	10 ²⁴ 24	12 ³⁶ 36	11 ⁵¹ 51	19 ²² 22	24 ²⁵ 25	T 8
W 9	9 47 40	28 ³⁰ 36	6 ³⁷ 37	12 ¹⁷ 17	10 ⁴³ 43	19 ⁰ 0	26 ¹⁵ 15	18 ¹⁴ 14	20 ⁴⁹ 49	20 ¹⁰ 10	10 ²⁴ 24	12 ²³ 23	11 ⁴⁸ 48	19 ²⁸ 28	24 ²¹ 21	W 9
T 10	9 51 36	29 ³⁰ 54	19 ⁴⁶ 46	14 ¹ 1	11 ⁵⁸ 58	19 ⁴⁵ 45	26 ²⁶ 26	18 ²¹ 21	20 ⁵² 52	20 ¹⁰ 10	10 ²⁴ 24	12 ¹⁰ 10	11 ⁴⁵ 45	19 ³⁵ 35	24 ¹⁸ 18	T 10
F 11	9 55 33	0 ³¹ 10	3 ⁷ 7	15 ⁴³ 43	13 ¹² 12	20 ³¹ 31	26 ³⁶ 36	18 ²⁸ 28	20 ⁵⁵ 55	20 ⁹ 9	10 ²⁴ 24	11 ⁵⁹ 59	11 ⁴² 42	19 ⁴² 42	24 ¹⁵ 15	F 11
S 12	9 59 29	1 ³¹ 25	16 ³⁹ 39	17 ²² 22	14 ²⁷ 27	21 ¹⁶ 16	26 ⁴⁷ 47	18 ³⁶ 36	20 ⁵⁸ 58	20 ⁹ 9	10 ²⁴ 24	11 ⁵⁰ 50	11 ³⁸ 38	19 ⁴⁸ 48	24 ¹² 12	S 12
S 13	10 3 26	2 ³¹ 37	0 ⁸ 20	18 ⁵⁷ 57	15 ⁴² 42	22 ¹ 1	26 ⁵⁸ 58	18 ⁴³ 43	21 ¹ 1	20 ⁹ 9	10 ²³ 23	11 ⁴⁴ 44	11 ³⁵ 35	19 ⁵⁵ 55	24 ⁹ 9	S 13
M14	10 7 22	3 ³¹ 47	14 ⁹ 9	20 ²⁹ 29	16 ⁵⁶ 56	22 ⁴⁷ 47	27 ⁹ 9	18 ⁵⁰ 50	21 ⁴ 4	20 ⁸ 8	10 ²³ 23	11 ⁴¹ 41	11 ³² 32	20 ² 2	24 ⁶ 6	M14
T 15	10 11 19	4 ³¹ 55	28 ⁵ 5	21 ⁵⁵ 55	18 ¹¹ 11	23 ³² 32	27 ²¹ 21	18 ⁵⁸ 58	21 ⁷ 7	20 ⁸ 8	10 ^{D23} 23	11 ³⁹ 39	11 ²⁹ 29	20 ⁸ 8	24 ³ 3	T 15
W16	10 15 16	5 ³² 01	12 ¹¹ 8	23 ¹⁶ 16	19 ²⁶ 26	24 ¹⁸ 18	27 ³² 32	19 ⁵ 5	21 ¹⁰ 10	20 ⁸ 8	10 ²³ 23	11 ³⁹ 39	11 ²⁶ 26	20 ¹⁵ 15	24 ⁰ 0	W16
T 17	10 19 12	6 ³² 05	26 ¹⁷ 17	24 ³¹ 31	20 ⁴⁰ 40	25 ³ 3	27 ⁴³ 43	19 ¹² 12	21 ¹² 12	20 ⁸ 8	10 ²³ 23	11 ³⁹ 39	11 ²³ 23	20 ²² 22	23 ⁵⁷ 57	T 17
F 18	10 23 9	7 ³² 07	10 ³² 32	25 ⁴⁰ 40	21 ⁵⁵ 55	25 ⁴⁸ 48	27 ⁵⁵ 55	19 ²⁰ 20	21 ¹⁵ 15	20 ⁸ 8	10 ²⁴ 24	11 ³⁷ 37	11 ¹⁹ 19	20 ²⁸ 28	23 ⁵⁴ 54	F 18
S 19	10 27 5	8 ³² 06	24 ⁵⁰ 50	26 ⁴² 42	23 ⁹ 9	26 ³⁴ 34	28 ⁶ 6	19 ²⁷ 27	21 ¹⁸ 18	20 ⁸ 8	10 ²⁴ 24	11 ³² 32	11 ¹⁶ 16	20 ³⁵ 35	23 ⁵² 52	S 19
S 20	10 31 2	9 ³² 04	9 ⁷ 7	27 ³⁶ 36	24 ²⁴ 24	27 ¹⁹ 19	28 ¹⁸ 18	19 ³⁴ 34	21 ²⁰ 20	20 ⁸ 8	10 ²⁴ 24	11 ²⁵ 25	11 ¹³ 13	20 ⁴² 42	23 ⁴⁹ 49	S 20
M21	10 34 58	10 ³¹ 59	23 ¹⁹ 19	28 ²³ 23	25 ³⁹ 39	28 ⁵ 5	28 ³⁰ 30	19 ⁴² 42	21 ²³ 23	20 ^{D8} 8	10 ²⁴ 24	11 ¹⁴ 14	11 ¹⁰ 10	20 ⁴⁸ 48	23 ⁴⁷ 47	M21
T 22	10 38 55	11 ³¹ 52	7 ¹¹ 21	29 ¹ 1	26 ⁵³ 53	28 ⁵⁰ 50	28 ⁴¹ 41	19 ⁴⁹ 49	21 ²⁶ 26	20 ⁸ 8	10 ²⁴ 24	11 ² 2	11 ⁷ 7	20 ⁵⁵ 55	23 ⁴⁴ 44	T 22
W23	10 42 51	12 ³¹ 43	21 ⁷ 7	29 ³¹ 31	28 ⁸ 8	29 ³⁶ 36	28 ⁵³ 53	19 ⁵⁷ 57	21 ²⁸ 28	20 ⁸ 8	10 ²⁴ 24	10 ⁴⁹ 49	11 ⁴ 4	21 ¹ 1	23 ⁴² 42	W23
T 24	10 46 48	13 ³¹ 32	4 ²⁴ 24	29 ⁵² 52	29 ²² 22	0 ²¹ 21	29 ⁵ 5	20 ⁴ 4	21 ³¹ 31	20 ⁸ 8	10 ²⁴ 24	10 ³⁷ 37	11 ⁰ 0	21 ⁸ 8	23 ⁴⁰ 40	T 24
F 25	10 50 44	14 ³¹ 19	17 ³⁴ 34	0 ⁷ 7	0 ³⁷ 37	1 ⁷ 7	29 ¹⁷ 17	20 ¹² 12	21 ³³ 33	20 ⁸ 8	10 ²⁵ 25	10 ²⁷ 27	10 ⁵⁷ 57	21 ¹⁵ 15	23 ³⁸ 38	F 25
S 26	10 54 41	15 ³¹ 05	0 ¹¹ 24	0 ^{R9} 9	1 ⁵¹ 51	1 ⁵³ 53	29 ³⁰ 30	20 ¹⁹ 19	21 ³⁶ 36	20 ⁸ 8	10 ²⁵ 25	10 ¹⁹ 19	10 ⁵⁴ 54	21 ²¹ 21	23 ³⁶ 36	S 26
S 27	10 58 38	16 ³⁰ 48	12 ⁴⁸ 48	0 ⁴ 4	3 ⁶ 6	2 ³⁸ 38	29 ⁴² 42	20 ²⁶ 26	21 ³⁸ 38	20 ⁸ 8	10 ²⁵ 25	10 ¹⁴ 14	10 ⁵¹ 51	21 ²⁸ 28	23 ³⁴ 34	S 27
M28	11 2 34	17 ³⁰ 30	24 ¹¹ 56	29 ⁵² 52	4 ²⁰ 20	3 ²⁴ 24	29 ⁵⁴ 54	20 ³⁴ 34	21 ⁴⁰ 40	20 ¹¹ 11	10 ²⁵ 25	10 ¹² 12	10 ⁴⁸ 48	21 ³⁵ 35	23 ³² 32	M28

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	14s43	18s47	1n15	13s47	1s32	20s38	0s35	23s35	0s43	8n40	1s4	6s54	2s1	22s25	0s27	21n53	1s16	13n8	9s2	22n28	22n20	23s36	13n46	7s35			
W 2	14 24	21 56	0 13	13 2	1 26	20 23	0 38	23 31	0 43	8 44	1 4	6 51	2 1	22 24	0 27	21 53	1 16	13 8	9 2	22 28	22 20	23 37	13 47	7 35			
T 3	14 4	24 8	0s50	12 16	1 19	20 9	0 40	23 27	0 44	8 48	1 4	6 48	2 1	22 24	0 27	21 53	1 16	13 8	9 2	22 28	22 19	23 39	13 48	7 35			
F 4	13 44	25 17	1 51	11 29	1 11	19 53	0 42	23 23	0 45	8 52	1 4	6 46	2 1	22 23	0 27	21 53	1 16	13 9	9 2	22 27	22 19	23 40	13 49	7 34			
S 5	13 24	25 16	2 47	10 40	1 3	19 37	0 44	23 18	0 45	8 56	1 3	6 43	2 1	22 23	0 27	21 53	1 16	13 9	9 1	22 27	22 18	23 41	13 50	7 34			
S 6	13 4	24 2	3 36	9 51	0 54	19 20	0 47	23 14	0 46	8 59	1 3	6 40	2 1	22 22	0 27	21 53	1 16	13 9	9 1	22 26	22 18	23 43	13 51	7 33			
M 7	12 43	21 37	4 17	9 1	0 44	19 3	0 49	23 9	0 47	9 3	1 3	6 37	2 1	22 22	0 27	21 53	1 16	13 9	9 1	22 24	22 17	23 44	13 52	7 33			
T 8	12 23	18 8	4 45	8 10	0 34	18 45	0 51	23 3	0 47	9 7	1 3	6 34	2 1	22 21	0 27	21 53	1 16	13 9	9 1	22 23	22 17	23 46	13 53	7 32			
W 9	12 2	13 44	4 59	7 20	0 23	18 27	0 53	22 58	0 48	9 12	1 3	6 31	2 1	22 21	0 27	21 53	1 16	13 10	9 0	22 21	22 17	23 47	13 54	7 32			
T 10	11 41	8 38	4 58	6 29	0 11	18 8	0 55	22 52	0 49	9 16	1 2	6 29	2 1	22 21	0 27	21 53	1 16	13 10	9 0	22 19	22 16	23 48	13 55	7 31			
F 11	11 19	3 3	4 41	5 38	0n1	17 49	0 57	22 46	0 50	9 20	1 2	6 26	2 1	22 20	0 27	21 53	1 16	13 10	9 0	22 18	22 16	23 50	13 56	7 31			
S 12	10 58	2n45	4 8	4 48	0 14	17 29	0 58	22 39	0 50	9 24	1 2	6 23	2 1	22 20	0 27	21 53	1 16	13 10	9 0	22 17	22 15	23 51	13 57	7 30			
S 13	10 36	8 30	3 20	3 58	0 27	17 8	1 0	22 33	0 51	9 28	1 2	6 20	2 1	22 19	0 27	21 53	1 16	13 11	8 59	22 16	22 15	23 53	13 58	7 30			
M14	10 15	13 55	2 20	3 10	0 40	16 48	1 2	22 26	0 52	9 32	1 2	6 17	2 1	22 19	0 28	21 53	1 16	13 11	8 59	22 16	22 14	23 54	13 59	7 29			
T 15	9 53	18 39	1 11	2 23	0 54	16 26	1 4	22 19	0 52	9 36	1 1	6 14	2 1	22 18	0 28	21 53	1 16	13 11	8 59	22 15	22 14	23 55	14 0	7 29			
W16	9 31	22 22	0n3	1 38	1 8	16 5	1 5	22 12	0 53	9 41	1 1	6 11	2 1	22 18	0 28	21 53	1 16	13 11	8 59	22 15	22 14	23 57	14 1	7 28			
T 17	9 9	24 44	1 17	0 56	1 22	15 42	1 7	22 4	0 54	9 45	1 1	6 8	2 1	22 18	0 28	21 53	1 16	13 12	8 59	22 15	22 13	23 58	14 2	7 28			
F 18	8 46	25 32	2 26	0 15	1 36	15 20	1 8	21 57	0 55	9 49	1 1	6 5	2 1	22 17	0 28	21 53	1 16	13 12	8 58	22 15	22 13	23 59	14 3	7 27			
S 19	8 24	24 37	3 27	0n22	1 50	14 57	1 10	21 49	0 55	9 54	1 1	6 2	2 1	22 17	0 28	21 54	1 16	13 12	8 58	22 14	22 12	24 1	14 4	7 27			
S 20	8 1	22 7	4 14	0 56	2 4	14 33	1 11	21 41	0 56	9 58	1 0	6 0	2 1	22 16	0 28	21 54	1 16	13 12	8 58	22 13	22 12	24 2	14 5	7 26			
M21	7 39	18 17	4 46	1 27	2 17	14 9	1 13	21 32	0 57	10 2	1 0	5 57	2 1	22 16	0 28	21 54	1 15	13 13	8 58	22 12	22 11	24 4	14 6	7 25			
T 22	7 16	13 28	5 0	1 54	2 30	13 45	1 14	21 24	0 57	10 7	1 0	5 54	2 1	22 16	0 28	21 54	1 15	13 13	8 57	22 10	22 10	24 5	14 7	7 25			
W23	6 53	8 3	4 55	2 17	2 42	13 20	1 15	21 15	0 58	10 11	1 0	5 51	2 1	22 15	0 28	21 54	1 15	13 13	8 57	22 8	22 10	24 6	14 8	7 24			
T 24	6 30	2 23	4 35	2 36	2 54	12 55	1 17	21 6	0 59	10 15	1 0	5 48	2 1	22 15	0 28	21 54	1 15	13 13	8 57	22 7	22 10	24 8	14 9	7 24			
F 25	6 7	3s15	4 0	2 50	3 4	12 30	1 18	20 56	0 59	10 20	0 59	5 45	2 1	22 15	0 28	21 54	1 15	13 14	8 57	22 5	22 10	24 9	14 10	7 23			
S 26	5 44	8 37	3 14	3 0	3 13	12 4	1 19	20 47	1 0	10 24	0 59	5 42	2 1	22 14	0 28	21 54	1 15	13 14	8 56	22 4	22 9	24 10	14 11	7 22			
S 27	5 20	13 31	2 20	3 6	3 20	11 38	1 20	20 37	1 1	10 29	0 59	5 39	2 1	22 14	0 28	21 54	1 15	13 14	8 56	22 3	22 9	24 11	14 12	7 22			
M28	4s57	17s46	1n20	3n6	3n27	11s12	1s21	20s27	1s1	10n33	0s59	5s36	2s1	22s13	0s28	21n54	1s15	13n14	8s56	22n3	22n8	24s13	14n13	7s21			

ASTRODIENST EPHEMERIS for the year 1407

geocentric

MARCH 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	11 6 31	18°30'10	6°52	29°R31	5°H35	4°≈10	0°8 6	20°H41	21°Z43	20°II 9	10°II26	10°D11	10°II44	21°A41	23°R31	T 1
W 2	11 10 27	19°29'49	18°42	29°H 3	6°50	4°55	0°19	20°49	21°45	20° 9	10°26	10°R11	10°41	21°48	23°Z29	W 2
T 3	11 14 24	20°29'25	0°Z30	28°29	8° 4	5°41	0°31	20°56	21°47	20° 9	10°26	10°II11	10°38	21°55	23°28	T 3
F 4	11 18 20	21°29'00	12°22	27°49	9°19	6°27	0°44	21° 4	21°49	20°10	10°27	10° 9	10°35	22° 1	23°26	F 4
S 5	11 22 17	22°28'33	24°24	27° 5	10°33	7°12	0°57	21°11	21°52	20°10	10°27	10° 5	10°32	22° 8	23°25	S 5
S 6	11 26 13	23°28'04	6°≈40	26°16	11°47	7°58	1° 9	21°19	21°54	20°10	10°28	9°58	10°29	22°15	23°24	S 6
M 7	11 30 10	24°27'33	19°14	25°25	13° 2	8°44	1°22	21°26	21°56	20°11	10°28	9°49	10°25	22°21	23°23	M 7
T 8	11 34 7	25°27'01	2°H 6	24°33	14°16	9°30	1°35	21°34	21°58	20°11	10°28	9°38	10°22	22°28	23°22	T 8
W 9	11 38 3	26°26'26	15°19	23°40	15°31	10°15	1°48	21°41	22° 0	20°12	10°29	9°26	10°19	22°35	23°21	W 9
T 10	11 42 0	27°25'50	28°49	22°48	16°45	11° 1	2° 1	21°49	22° 2	20°12	10°29	9°14	10°16	22°41	23°20	T 10
F 11	11 45 56	28°25'11	12°V35	21°57	18° 0	11°47	2°14	21°56	22° 4	20°13	10°30	9° 3	10°13	22°48	23°19	F 11
S 12	11 49 53	29°24'30	26°33	21° 9	19°14	12°33	2°27	22° 4	22° 6	20°14	10°31	8°54	10°10	22°54	23°19	S 12
S 13	11 53 49	0°V23'47	10°H39	20°24	20°29	13°19	2°40	22°11	22° 7	20°14	10°31	8°49	10° 6	23° 1	23°18	S 13
M14	11 57 46	1°23'02	24°48	19°44	21°43	14° 4	2°53	22°18	22° 9	20°15	10°32	8°46	10° 3	23° 8	23°18	M14
T 15	12 1 42	2°22'14	8°II58	19° 8	22°57	14°50	3° 6	22°26	22°11	20°16	10°32	8°D45	10° 0	23°14	23°18	T 15
W16	12 5 39	3°21'24	23° 7	18°37	24°12	15°36	3°20	22°33	22°13	20°16	10°33	8°46	9°57	23°21	23°18	W16
T 17	12 9 36	4°20'32	7°Z14	18°11	25°26	16°22	3°33	22°41	22°14	20°17	10°34	8°R46	9°54	23°28	23°D18	T 17
F 18	12 13 32	5°19'37	21°18	17°51	26°40	17° 8	3°46	22°48	22°16	20°18	10°34	8°45	9°50	23°34	23°18	F 18
S 19	12 17 29	6°18'40	5°Q17	17°36	27°55	17°53	4° 0	22°55	22°17	20°19	10°35	8°41	9°47	23°41	23°18	S 19
S 20	12 21 25	7°17'41	19°10	17°27	29° 9	18°39	4°13	23° 3	22°19	20°20	10°36	8°36	9°44	23°48	23°18	S 20
M21	12 25 22	8°16'39	2°H55	17°D23	0°V23	19°25	4°27	23°10	22°20	20°21	10°36	8°28	9°41	23°54	23°18	M21
T 22	12 29 18	9°15'35	16°30	17°25	1°38	20°11	4°40	23°17	22°22	20°22	10°37	8°18	9°38	24° 1	23°19	T 22
W23	12 33 15	10°14'29	29°52	17°32	2°52	20°57	4°54	23°25	22°23	20°23	10°38	8° 8	9°35	24° 8	23°19	W23
T 24	12 37 11	11°13'21	12°A59	17°44	4° 6	21°43	5° 8	23°32	22°24	20°24	10°39	7°58	9°31	24°14	23°20	T 24
F 25	12 41 8	12°12'10	25°50	18° 1	5°20	22°29	5°21	23°39	22°26	20°25	10°39	7°50	9°28	24°21	23°21	F 25
S 26	12 45 5	13°10'58	8°M24	18°23	6°35	23°14	5°35	23°46	22°27	20°26	10°40	7°44	9°25	24°28	23°22	S 26
S 27	12 49 1	14° 9'44	20°42	18°50	7°49	24° 0	5°49	23°53	22°28	20°27	10°41	7°40	9°22	24°34	23°23	S 27
M28	12 52 58	15° 8'28	2°A48	19°21	9° 3	24°46	6° 2	24° 1	22°29	20°28	10°42	7°D38	9°19	24°41	23°24	M28
T 29	12 56 54	16° 7'11	14°43	19°56	10°17	25°32	6°16	24° 8	22°30	20°29	10°43	7°39	9°15	24°47	23°25	T 29
W30	13 0 51	17° 5'51	26°33	20°35	11°31	26°18	6°30	24°15	22°31	20°30	10°44	7°40	9°12	24°54	23°26	W30
T 31	13 4 47	18°V 4'30	8°Z21	21°H17	12°V46	27°≈ 4	6°844	24°H22	22°Z32	20°II31	10°II44	7°II41	9°II 9	25°A 1	23°Z28	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4s34	21s14	0n18	3n 2	3n31	10s45	1s22	20s17	1s 2	10n38	0s59	5s33	2s 1	22s13	0s28	T 1
W 2	4 10	23 47	0s45	2 54	3 34	10 19	1 22	20 7	1 3	10 42	0 59	5 30	2 1	22 13	0 28	W 2
T 3	3 47	25 17	1 46	2 41	3 35	9 51	1 23	19 56	1 3	10 47	0 58	5 27	2 1	22 12	0 28	T 3
F 4	3 23	25 38	2 42	2 25	3 35	9 24	1 24	19 45	1 4	10 51	0 58	5 24	2 1	22 12	0 28	F 4
S 5	3 0	24 47	3 32	2 5	3 32	8 56	1 24	19 34	1 5	10 56	0 58	5 22	2 1	22 12	0 28	S 5
S 6	2 36	22 44	4 13	1 41	3 28	8 28	1 25	19 23	1 5	11 1	0 58	5 19	2 1	22 11	0 28	S 6
M 7	2 12	19 34	4 43	1 15	3 21	8 0	1 26	19 12	1 6	11 5	0 58	5 16	2 1	22 11	0 28	M 7
T 8	1 49	15 24	4 59	0 47	3 13	7 32	1 26	19 0	1 7	11 10	0 58	5 13	2 1	22 11	0 28	T 8
W 9	1 25	10 25	5 0	0 17	3 4	7 3	1 26	18 49	1 7	11 14	0 57	5 10	2 1	22 11	0 28	W 9
T 10	1 2	4 49	4 44	0s14	2 53	6 35	1 27	18 37	1 8	11 19	0 57	5 7	2 1	22 10	0 28	T 10
F 11	0 38	1n 7	4 12	0 45	2 40	6 6	1 27	18 25	1 9	11 24	0 57	5 4	2 1	22 10	0 28	F 11
S 12	0 14	7 6	3 24	1 16	2 27	5 36	1 27	18 12	1 9	11 28	0 57	5 1	2 1	22 10	0 28	S 12
S 13	0n 9	12 47	2 24	1 47	2 13	5 7	1 27	18 0	1 10	11 33	0 57	4 58	2 2	22 9	0 28	S 13
M14	0 33	17 50	1 14	2 17	1 58	4 38	1 27	17 47	1 11	11 37	0 57	4 55	2 2	22 9	0 28	M14
T 15	0 57	21 53	0n 1	2 45	1 42	4 8	1 27	17 34	1 11	11 42	0 57	4 52	2 2	22 9	0 28	T 15
W16	1 20	24 36	1 16	3 11	1 27	3 39	1 27	17 21	1 12	11 47	0 56	4 50	2 2	22 9	0 28	W16
T 17	1 44	25 45	2 26	3 36	1 11	3 9	1 27	17 8	1 12	11 51	0 56	4 47	2 2	22 8	0 28	T 17
F 18	2 7	25 13	3 26	3 59	0 55	2 39	1 27	16 55	1 13	11 56	0 56	4 44	2 2	22 8	0 28	F 18
S 19	2 31	23 7	4 14	4 19	0 39	2 9	1 27	16 41	1 14	12 1	0 56	4 41	2 2	22 8	0 28	S 19
S 20	2 54	19 40	4 47	4 37	0 24	1 39	1 26	16 28	1 14	12 5	0 56	4 38	2 2	22 8	0 28	S 20
M21	3 18	15 10	5 3	4 52	0 9	1 9	1 26	16 14	1 15	12 10	0 56	4 35	2 2	22 8	0 28	M21
T 22	3 41	9 58	5 1	5 5	0s 6	0 39	1 25	16 0	1 15	12 15	0 56	4 33	2 2	22 7	0 28	T 22
W23	4 4	4 22	4 43	5 15	0 20	0 9	1 25	15 46	1 16	12 20	0 56	4 30	2 2	22 7	0 29	W23
T 24	4 27	1s19	4 10	5 22	0 33	0n21	1 24	15 31	1 17	12 24	0 55	4 27	2 2	22 7	0 29	T 24
F 25	4 50	6 50	3 25	5 28	0 46	0 51	1 24	15 17	1 17	12 29	0 55	4 24	2 2	22 7	0 29	F 25
S 26	5 13	11 59	2 30	5 30	0 59	1 21	1 23	15 2	1 18	12 34	0 55	4 21	2 3	22 7	0 29	S 26
S 27	5 36	16 33	1 30	5 31	1 10	1 51	1 22	14 48	1 18	12 38	0 55	4 19	2 3	22 7	0 29	S 27
M28	5 59	20 22	0 26	5 29	1 21	2 21	1 21	14 33	1 19	12 43	0 55	4 16	2 3	22 6	0 29	M28
T 29	6 22	23 16	0s38	5 24	1 32	2 51	1 20	14 18	1 19	12 48	0 55	4 13	2 3	22 6	0 29	T 29
W30	6 44	25 9	1 40	5 18	1 41	3 21	1 19	14 3	1 20	12 52	0 55	4 10	2 3	22 6	0 29	W30
T 31	7n 7	25s53	2s38	5s 9	1s50	3n51	1s18	13s48	1s21	12n57	0s55	4s 8	2s 3	22s 6	0s29	T 31

Julian Day Number = 2235023.5, Delta T = 07m42s

Ecliptic obliquity = 23°31'02, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°28'13, Lahiri = 15°35'13 Julian Calendar 1 March 1407 == Greg. Calendar 10 March 1407

ASTRODIENST EPHEMERIS for the year 1407
geocentric

APRIL 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	13 8 44	19°3'07	20°15	22°4	14°0	27°49	6°58	24°29	22°33	20°33	10°45	7°R41	9°II 6	25°7	23°29	F 1
S 2	13 12 40	20° 1'43	2°17	22°53	15°14	28°35	7°12	24°36	22°34	20°34	10°46	7°II40	9° 3	25°14	23°31	S 2
S 3	13 16 37	21° 0'17	14°34	23°46	16°28	29°21	7°26	24°43	22°35	20°35	10°47	7°38	9° 0	25°21	23°33	S 3
M 4	13 20 34	21°58'49	27°10	24°42	17°42	0°7	7°40	24°50	22°36	20°37	10°48	7°33	8°56	25°27	23°34	M 4
T 5	13 24 30	22°57'19	10°8	25°42	18°56	0°53	7°54	24°57	22°36	20°38	10°49	7°27	8°53	25°34	23°36	T 5
W 6	13 28 27	23°55'47	23°30	26°43	20°10	1°38	8° 8	25° 4	22°37	20°39	10°50	7°20	8°50	25°41	23°38	W 6
T 7	13 32 23	24°54'14	7°14	27°48	21°25	2°24	8°22	25°11	22°38	20°41	10°51	7°13	8°47	25°47	23°40	T 7
F 8	13 36 20	25°52'39	21°19	28°55	22°39	3°10	8°36	25°17	22°38	20°42	10°52	7° 6	8°44	25°54	23°43	F 8
S 9	13 40 16	26°51'02	5°40	0°5	23°53	3°56	8°50	25°24	22°39	20°44	10°53	7° 1	8°41	26° 1	23°45	S 9
S 10	13 44 13	27°49'24	20°11	1°17	25° 7	4°42	9° 4	25°31	22°39	20°45	10°54	6°58	8°37	26° 7	23°47	S 10
M 11	13 48 9	28°47'43	4°46	2°32	26°21	5°27	9°18	25°38	22°40	20°47	10°55	6°D57	8°34	26°14	23°50	M 11
T 12	13 52 6	29°46'01	19°20	3°49	27°35	6°13	9°32	25°44	22°40	20°48	10°57	6°58	8°31	26°21	23°52	T 12
W 13	13 56 2	0°8'44'16	3°47	5° 8	28°49	6°59	9°46	25°51	22°40	20°50	10°58	6°59	8°28	26°27	23°55	W 13
T 14	13 59 59	1°42'30	18° 4	6°29	0°8	7°44	10° 0	25°57	22°41	20°51	10°59	7° 0	8°25	26°34	23°58	T 14
F 15	14 3 56	2°40'41	2°10	7°52	1°17	8°30	10°15	26° 4	22°41	20°53	11° 0	7°R 1	8°21	26°41	24° 1	F 15
S 16	14 7 52	3°38'50	16° 2	9°18	2°31	9°16	10°29	26°10	22°41	20°54	11° 1	7° 0	8°18	26°47	24° 4	S 16
S 17	14 11 49	4°36'58	29°41	10°45	3°45	10° 1	10°43	26°17	22°41	20°56	11° 2	6°58	8°15	26°54	24° 7	S 17
M 18	14 15 45	5°35'03	13°6	12°15	4°59	10°47	10°57	26°23	22°41	20°58	11° 3	6°55	8°12	27° 1	24°10	M 18
T 19	14 19 42	6°33'06	26°18	13°46	6°13	11°32	11°11	26°30	22°R41	20°59	11° 4	6°50	8° 9	27° 7	24°13	T 19
W 20	14 23 38	7°31'07	9°16	15°20	7°27	12°18	11°26	26°36	22°41	21° 1	11° 6	6°46	8° 6	27°14	24°17	W 20
T 21	14 27 35	8°29'07	22° 1	16°55	8°41	13° 4	11°40	26°42	22°41	21° 3	11° 7	6°41	8° 2	27°20	24°20	T 21
F 22	14 31 31	9°27'04	4°33	18°33	9°55	13°49	11°54	26°48	22°41	21° 5	11° 8	6°37	7°59	27°27	24°24	F 22
S 23	14 35 28	10°25'01	16°52	20°13	11° 8	14°34	12° 8	26°54	22°41	21° 6	11° 9	6°35	7°56	27°34	24°27	S 23
S 24	14 39 25	11°22'55	29° 0	21°54	12°22	15°20	12°22	27° 1	22°41	21° 8	11°11	6°33	7°53	27°40	24°31	S 24
M 25	14 43 21	12°20'49	10°59	23°38	13°36	16° 5	12°37	27° 7	22°40	21°10	11°12	6°D33	7°50	27°47	24°35	M 25
T 26	14 47 18	13°18'41	22°52	25°23	14°50	16°51	12°51	27°13	22°40	21°12	11°13	6°34	7°47	27°54	24°38	T 26
W 27	14 51 14	14°16'31	4°41	27°11	16° 4	17°36	13° 5	27°18	22°40	21°14	11°14	6°35	7°43	28° 0	24°42	W 27
T 28	14 55 11	15°14'20	16°30	29° 0	17°18	18°22	13°19	27°24	22°39	21°16	11°16	6°37	7°40	28° 7	24°46	T 28
F 29	14 59 7	16°12'08	28°23	0°51	18°32	19° 7	13°33	27°30	22°39	21°18	11°17	6°38	7°37	28°14	24°51	F 29
S 30	15 3 4	17°8'55	10°26	2°45	19°46	19°52	13°48	27°36	22°38	21°19	11°18	6°II39	7°II34	28°20	24°55	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	7n29	25s26	3s29	4s59	1s59	4n21	1s17	13s32	1s21	13n 2	0s54	4s 5	2s 3	22s 6	0s29	21n57
S 2	7 51	23 48	4 12	4 46	2 7	4 51	1 16	13 17	1 22	13 6	0 54	4 2	2 3	22 6	0 29	21 58
S 3	8 13	21 3	4 44	4 31	2 14	5 20	1 15	13 1	1 22	13 11	0 54	4 0	2 3	22 6	0 29	21 58
M 4	8 35	17 15	5 4	4 15	2 20	5 50	1 14	12 45	1 23	13 15	0 54	3 57	2 4	22 6	0 29	21 58
T 5	8 57	12 33	5 9	3 57	2 26	6 19	1 13	12 30	1 23	13 20	0 54	3 54	2 4	22 5	0 29	21 58
W 6	9 19	7 8	4 57	3 37	2 31	6 49	1 11	12 14	1 24	13 25	0 54	3 52	2 4	22 5	0 29	21 58
T 7	9 40	1 13	4 28	3 15	2 35	7 18	1 10	11 58	1 24	13 29	0 54	3 49	2 4	22 5	0 29	21 58
F 8	10 2	4n54	3 42	2 52	2 39	7 47	1 8	11 42	1 25	13 34	0 54	3 46	2 4	22 5	0 29	21 58
S 9	10 23	10 55	2 42	2 27	2 43	8 16	1 7	11 25	1 25	13 39	0 54	3 44	2 4	22 5	0 29	21 58
S 10	10 44	16 24	1 30	2 1	2 45	8 44	1 5	11 9	1 26	13 43	0 54	3 41	2 4	22 5	0 29	21 59
M 11	11 5	20 58	0 12	1 33	2 47	9 13	1 4	10 53	1 26	13 48	0 53	3 39	2 4	22 5	0 29	21 59
T 12	11 26	24 12	1n 7	1 3	2 49	9 41	1 2	10 36	1 27	13 52	0 53	3 36	2 5	22 5	0 29	21 59
W 13	11 46	25 49	2 21	0 33	2 49	10 9	1 0	10 20	1 27	13 57	0 53	3 34	2 5	22 5	0 29	21 59
T 14	12 6	25 41	3 26	0 1	2 50	10 37	0 59	10 3	1 28	14 1	0 53	3 31	2 5	22 5	0 29	21 59
F 15	12 26	23 54	4 17	0n33	2 49	11 4	0 57	9 46	1 28	14 6	0 53	3 29	2 5	22 5	0 29	21 59
S 16	12 46	20 43	4 52	1 7	2 48	11 31	0 55	9 29	1 29	14 10	0 53	3 26	2 5	22 5	0 29	22 0
S 17	13 6	16 27	5 10	1 43	2 47	11 58	0 53	9 12	1 29	14 15	0 53	3 24	2 5	22 5	0 29	22 0
M 18	13 26	11 26	5 11	2 20	2 45	12 25	0 51	8 55	1 29	14 19	0 53	3 22	2 6	22 5	0 29	22 0
T 19	13 45	5 59	4 55	2 58	2 42	12 51	0 49	8 38	1 30	14 24	0 53	3 19	2 6	22 5	0 29	22 0
W 20	14 4	0 21	4 24	3 37	2 39	13 18	0 47	8 21	1 30	14 28	0 53	3 17	2 6	22 5	0 29	22 0
T 21	14 23	5s12	3 40	4 17	2 35	13 43	0 45	8 4	1 31	14 33	0 53	3 14	2 6	22 5	0 29	22 0
F 22	14 41	10 28	2 47	4 58	2 31	14 9	0 43	7 47	1 31	14 37	0 53	3 12	2 6	22 5	0 29	22 0
S 23	15 0	15 14	1 46	5 40	2 26	14 34	0 41	7 30	1 31	14 42	0 53	3 10	2 6	22 5	0 29	22 1
S 24	15 18	19 20	0 41	6 23	2 21	14 59	0 39	7 12	1 32	14 46	0 52	3 8	2 7	22 5	0 30	22 1
M 25	15 36	22 34	0s24	7 7	2 15	15 23	0 37	6 55	1 32	14 50	0 52	3 5	2 7	22 5	0 30	22 1
T 26	15 53	24 48	1 29	7 52	2 8	15 47	0 35	6 38	1 33	14 55	0 52	3 3	2 7	22 5	0 30	22 1
W 27	16 10	25 55	2 29	8 37	2 1	16 11	0 33	6 20	1 33	14 59	0 52	3 1	2 7	22 6	0 30	22 1
T 28	16 28	25 51	3 23	9 23	1 54	16 34	0 31	6 3	1 33	15 4	0 52	2 59	2 7	22 6	0 30	22 1
F 29	16 44	24 36	4 8	10 9	1 46	16 56	0 28	5 45	1 34	15 8	0 52	2 57	2 7	22 6	0 30	22 1
S 30	17n 1	22s14	4s44	10n56	1s38	17n19	0s26	5s28	1s34	15n12	0s52	2s55	2s 8	22s 6	0s30	22n 2

Julian Day Number = 2235054.5, Delta T = 07m41s

Ecliptic obliquity = 23°31'02, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°28'17, Lahiri = 15°35'18 Julian Calendar 1 Apr. 1407 == Greg. Calendar 10 Apr. 1407

ASTRODIENST EPHEMERIS for the year 1407
geocentric

JUNE 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	17 9 14	17II48'50	10V 0	7950	29II 4	13V38	21812	0V 3	21°R59	22II27	12II 2	6II28	5II52	1353	27547	W 1
T 2	17 13 10	18°46'05	23°41	9°29	0518	14°22	21°25	0° 6	21°57	22°29	12° 3	6°29	5°49	2° 0	27°54	T 2
F 3	17 17 7	19°43'20	7849	11° 5	1°31	15° 6	21°38	0° 9	21°55	22°31	12° 5	6°30	5°46	2° 7	28° 0	F 3
S 4	17 21 3	20°40'35	22°22	12°39	2°45	15°49	21°51	0°12	21°53	22°34	12° 6	6°31	5°43	2°13	28° 7	S 4
S 5	17 25 0	21°37'49	7II15	14°10	3°58	16°32	22° 5	0°15	21°51	22°36	12° 8	6°R31	5°39	2°20	28°13	S 5
M 6	17 28 57	22°35'04	22°22	15°39	5°12	17°16	22°18	0°18	21°49	22°38	12° 9	6°31	5°36	2°27	28°20	M 6
T 7	17 32 53	23°32'18	7533	17° 6	6°25	17°59	22°31	0°21	21°47	22°40	12°10	6°29	5°33	2°33	28°26	T 7
W 8	17 36 50	24°29'31	22°39	18°29	7°39	18°42	22°44	0°24	21°45	22°43	12°12	6°28	5°30	2°40	28°33	W 8
T 9	17 40 46	25°26'44	7832	19°50	8°52	19°25	22°57	0°26	21°43	22°45	12°13	6°25	5°27	2°47	28°40	T 9
F 10	17 44 43	26°23'57	22° 4	21° 9	10° 6	20° 9	23°10	0°29	21°41	22°47	12°14	6°23	5°24	2°53	28°46	F 10
S 11	17 48 39	27°21'09	6II10	22°25	11°20	20°51	23°23	0°31	21°39	22°49	12°16	6°21	5°20	3° 0	28°53	S 11
S 12	17 52 36	28°18'20	19°50	23°38	12°33	21°34	23°36	0°34	21°37	22°52	12°17	6°20	5°17	3° 7	29° 0	S 12
M13	17 56 32	29°15'31	35 5	24°48	13°47	22°17	23°48	0°36	21°35	22°54	12°19	6°D20	5°14	3°13	29° 7	M13
T 14	18 0 29	0512'41	15°56	25°55	15° 0	23° 0	24° 1	0°38	21°32	22°56	12°20	6°20	5°11	3°20	29°14	T 14
W15	18 4 26	1° 9'52	28°28	27° 0	16°14	23°42	24°14	0°40	21°30	22°58	12°21	6°22	5° 8	3°27	29°21	W15
T 16	18 8 22	2° 7'01	10II44	28° 1	17°27	24°25	24°26	0°42	21°28	23° 1	12°23	6°23	5° 5	3°33	29°28	T 16
F 17	18 12 19	3° 4'11	22°48	29° 0	18°41	25° 7	24°39	0°44	21°26	23° 3	12°24	6°25	5° 1	3°40	29°35	F 17
S 18	18 16 15	4° 1'21	4744	29°55	19°54	25°50	24°51	0°46	21°24	23° 5	12°25	6°R26	4°58	3°47	29°42	S 18
S 19	18 20 12	4°58'30	16°36	0847	21° 7	26°32	25° 4	0°47	21°21	23° 7	12°27	6°25	4°55	3°53	29°49	S 19
M20	18 24 8	5°55'40	28°24	1°35	22°21	27°14	25°16	0°49	21°19	23° 9	12°28	6°23	4°52	4° 0	29°56	M20
T 21	18 28 5	6°52'50	10513	2°20	23°34	27°56	25°28	0°50	21°17	23°12	12°29	6°20	4°49	4° 7	08 3	T 21
W22	18 32 1	7°49'59	22° 4	3° 1	24°48	28°38	25°40	0°52	21°14	23°14	12°30	6°15	4°45	4°13	0°11	W22
T 23	18 35 58	8°47'09	48 0	3°38	26° 1	29°20	25°53	0°53	21°12	23°16	12°32	6°10	4°42	4°20	0°18	T 23
F 24	18 39 55	9°44'20	16° 1	4°11	27°15	08 2	26° 5	0°54	21°10	23°18	12°33	6° 4	4°39	4°27	0°25	F 24
S 25	18 43 51	10°41'30	28°11	4°40	28°28	0°44	26°17	0°55	21° 7	23°20	12°34	5°59	4°36	4°33	0°32	S 25
S 26	18 47 48	11°38'41	10X32	5° 5	29°41	1°25	26°29	0°56	21° 5	23°22	12°35	5°54	4°33	4°40	0°40	S 26
M27	18 51 44	12°35'53	23° 6	5°26	0855	2° 7	26°40	0°57	21° 3	23°25	12°37	5°51	4°30	4°47	0°47	M27
T 28	18 55 41	13°33'05	5V57	5°42	2° 8	2°48	26°52	0°58	21° 0	23°27	12°38	5°49	4°26	4°53	0°54	T 28
W29	18 59 37	14°30'18	19° 7	5°53	3°22	3°29	27° 4	0°58	20°58	23°29	12°39	5°D49	4°23	5° 0	1° 2	W29
T 30	19 3 34	15527'31	2841	5859	4835	4811	27815	0V59	2056	23II31	12II40	5II50	4II20	58 7	18 9	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
W 1	22n57	0s 5	4s25	25n17	2n 0	24n19	0n48	3n52	1s39	17n18	0s51	2s 3	2s15	22s13	0s31	22n 6	1s12	13n41	8s42	21n28	21n21	25s46	14n27	6s21			
T 2	23 2	5n53	3 36	25 8	1 58	24 21	0 50	4 9	1 39	17 21	0 51	2 2	2 15	22 14	0 31	22 7	1 12	13 41	8 42	21 28	21 21	25 47	14 26	6 20			
F 3	23 7	11 46	2 32	24 57	1 55	24 23	0 52	4 26	1 39	17 25	0 51	2 1	2 15	22 14	0 31	22 7	1 12	13 41	8 42	21 28	21 20	25 47	14 25	6 20			
S 4	23 11	17 10	1 18	24 45	1 51	24 24	0 54	4 43	1 39	17 28	0 51	2 0	2 16	22 14	0 31	22 7	1 12	13 42	8 42	21 28	21 20	25 48	14 24	6 19			
S 5	23 15	21 39	0n 4	24 32	1 47	24 24	0 56	5 0	1 39	17 32	0 51	1 59	2 16	22 15	0 31	22 7	1 12	13 42	8 42	21 28	21 19	25 49	14 24	6 19			
M 6	23 19	24 44	1 27	24 16	1 41	24 23	0 58	5 16	1 39	17 35	0 51	1 58	2 16	22 15	0 31	22 7	1 12	13 42	8 42	21 28	21 19	25 49	14 23	6 19			
T 7	23 22	26 1	2 43	24 0	1 36	24 22	1 0	5 33	1 39	17 38	0 51	1 57	2 16	22 15	0 31	22 7	1 12	13 42	8 42	21 28	21 18	25 50	14 22	6 18			
W 8	23 24	25 21	3 48	23 43	1 29	24 20	1 2	5 50	1 39	17 42	0 51	1 56	2 17	22 16	0 31	22 7	1 12	13 42	8 42	21 27	21 17	25 51	14 21	6 18			
T 9	23 26	22 54	4 36	23 24	1 22	24 17	1 4	6 6	1 39	17 45	0 51	1 55	2 17	22 16	0 31	22 8	1 12	13 42	8 42	21 27	21 17	25 51	14 20	6 18			
F 10	23 28	19 1	5 6	23 5	1 15	24 13	1 6	6 22	1 39	17 48	0 51	1 54	2 17	22 16	0 31	22 8	1 12	13 43	8 42	21 27	21 16	25 52	14 19	6 17			
S 11	23 29	14 9	5 15	22 45	1 7	24 9	1 7	6 39	1 39	17 51	0 51	1 54	2 18	22 17	0 31	22 8	1 12	13 43	8 42	21 26	21 16	25 53	14 18	6 17			
S 12	23 30	8 44	5 7	22 24	0 58	24 4	1 9	6 55	1 39	17 55	0 51	1 53	2 18	22 17	0 31	22 8	1 12	13 43	8 42	21 26	21 15	25 53	14 17	6 16			
M13	23 31	3 5	4 42	22 2	0 49	23 58	1 11	7 11	1 39	17 58	0 51	1 52	2 18	22 17	0 31	22 8	1 12	13 43	8 42	21 26	21 15	25 54	14 16	6 16			
T 14	23 31	2s33	4 3	21 40	0 39	23 52	1 12	7 27	1 38	18 1	0 51	1 52	2 18	22 18	0 31	22 8	1 12	13 43	8 42	21 26	21 14	25 54	14 15	6 16			
W15	23 31	7 57	3 14	21 18	0 29	23 45	1 14	7 43	1 38	18 4	0 51	1 51	2 19	22 18	0 31	22 8	1 12	13 43	8 42	21 26	21 13	25 55	14 14	6 15			
T 16	23 30	12 56	2 17	20 55	0 18	23 37	1 15	7 58	1 38	18 7	0 51	1 51	2 19	22 18	0 31	22 8	1 12	13 44	8 42	21 27	21 13	25 56	14 13	6 15			
F 17	23 29	17 20	1 14	20 32	0 7	23 29	1 17	8 14	1 38	18 10	0 51	1 50	2 19	22 19	0 31	22 8	1 12	13 44	8 42	21 27	21 12	25 56	14 11	6 15			
S 18	23 27	21 0	0 9	20 9	0s 5	23 20	1 18	8 30	1 38	18 13	0 51	1 50	2 19	22 19	0 31	22 9	1 12	13 44	8 42	21 27	21 12	25 57	14 10	6 15			
S 19	23 25	23 46	0s56	19 46	0 17	23 10	1 20	8 45	1 38	18 16	0 51	1 49	2 20	22 20	0 31	22 9	1 12	13 44	8 42	21 27	21 11	25 57	14 9	6 14			
M20	23 23	25 28	1 58	19 23	0 30	22 59	1 21	9 1	1 37	18 19	0 51	1 49	2 20	22 20	0 31	22 9	1 12	13 44	8 42	21 27	21 11	25 58	14 8	6 14			
T 21	23 20	26 1	2 55	19 1	0 43	22 48	1 22	9 16	1 37	18 22	0 51	1 49	2 20	22 20	0 31	22 9	1 12	13 44	8 42	21 26	21 10	25 59	14 7	6 14			
W22	23 17	25 23	3 44	18 38	0 56	22 36	1 23	9 31	1 37	18 25	0 51	1 48	2 21	22 21	0 31	22 9	1 12	13 44	8 42	21 25	21 9	25 59	14 6	6 14			
T 23	23 13	23 35	4 24	18 17	1 10	22 24	1 24	9 46	1 37	18 28	0 51	1 48	2 21	22 21	0 31	22 9	1 12	13 44	8 42	21 24	21 9	26 0	14 4	6 13			
F 24	23 9	20 44	4 53	17 55	1 23	22 10	1 25	10 1	1 36	18 31	0 51	1 48	2 21	22 21	0 31	22 9	1 12	13 45	8 42	21 23	21 8	26 0	14 3	6 13			
S 25	23 5	16 57	5 8	17 35	1 38	21 57	1 26	10 16	1 36	18 33	0 51	1 48	2 21	22 22	0 31	22 9	1 12	13 45	8 42	21 22	21 8	26 1	14 2	6 13			
S 26	23 0	12 25	5 10	17 15	1 52	21 42	1 27	10 30	1 36	18 36	0 51	1 48	2 22	22 22	0 31	22 9	1 12	13 45	8 42	21 22	21 7	26 1	14 0	6 13			
M27	22 55	7 18	4 57	16 56	2 6	21 27	1 28	10 45	1 36	18 39	0 51	1 48	2 22	22 23	0 31	22 10	1 12	13 45	8 42	21 21	21 7	26 2	13 59	6 12			
T 28	22 49	1 45	4 29	16 38	2 21	21 12	1 29	11 0	1 35	18 41	0 51	1 47	2 22	22 23	0 31	22 10	1 12	13 45	8 42	21 21	21 6	26 2	13 58	6 12			
W29	22 43	4n 1	3 47	16 21	2 35	20 55	1 30	11 14	1 35	18 44	0 51	1 47	2 23	22 23	0 31	22 10	1 12	13 45	8 42	21 21	21 5	26 3	13 56	6 12			
T 30	22n37	9n46	2s51	16n 6	2s50	20n38	1n30	11n28	1s35	18n47	0s51	1s48	2s23	22s24	0s31	22n10	1s12	13n45	8s42	21n21	21n 5	26s 3	13n55	6s12			

ASTRODIENST EPHEMERIS for the year 1407
geocentric

JULY 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	19 7 30	16 ²⁴ 45	16 ³⁸ 38	6°R 1	5 ⁴⁸ 48	4 ⁵² 52	27 ⁸ 27	0°V59	20°R53	23 ^{II} 33	12 ^{II} 42	5 ^{II} 51	4 ^{II} 17	5 ³ 13	1 ^{II} 17	F 1
S 2	19 11 27	17°22'01	1 ^{II} 0	5 ⁴⁸ 58	7° 2	5°33	27°38	1° 0	20 ³ 51	23°35	12°43	5°R52	4°14	5°20	1°24	S 2
S 3	19 15 24	18°19'16	15°44	5°50	8°15	6°14	27°50	1° 0	20°48	23°37	12°44	5°52	4°11	5°27	1°31	S 3
M 4	19 19 20	19°16'33	0 ⁵⁴ 45	5°37	9°28	6°54	28° 1	1° 0	20°46	23°39	12°45	5°50	4° 7	5°33	1°39	M 4
T 5	19 23 17	20°13'50	15°56	5°20	10°42	7°35	28°12	1°R 0	20°44	23°41	12°46	5°46	4° 4	5°40	1°46	T 5
W 6	19 27 13	21°11'08	1 ^{II} 7	4°57	11°55	8°15	28°23	1° 0	20°41	23°43	12°47	5°40	4° 1	5°47	1°54	W 6
T 7	19 31 10	22° 8'27	16° 7	4°31	13° 8	8°56	28°34	1° 0	20°39	23°45	12°49	5°33	3°58	5°53	2° 1	T 7
F 8	19 35 6	23° 5'45	0 ^{II} 48	4° 0	14°22	9°36	28°45	1° 0	20°36	23°47	12°50	5°26	3°55	6° 0	2° 9	F 8
S 9	19 39 3	24° 3'05	15° 4	3°26	15°35	10°16	28°56	0°59	20°34	23°49	12°51	5°20	3°51	6° 7	2°17	S 9
S 10	19 43 0	25° 0'24	28°51	2°48	16°48	10°56	29° 6	0°59	20°32	23°51	12°52	5°15	3°48	6°13	2°24	S 10
M 11	19 46 56	25°57'45	12 ^{II} 10	2° 7	18° 1	11°36	29°17	0°58	20°29	23°53	12°53	5°12	3°45	6°20	2°32	M 11
T 12	19 50 53	26°55'05	25° 2	1°25	19°15	12°16	29°27	0°58	20°27	23°55	12°54	5°D11	3°42	6°27	2°39	T 12
W 13	19 54 49	27°52'27	7 ^{II} 32	0°41	20°28	12°55	29°38	0°57	20°24	23°57	12°55	5°12	3°39	6°33	2°47	W 13
T 14	19 58 46	28°49'48	19°44	29 ⁵⁶ 56	21°41	13°35	29°48	0°56	20°22	23°59	12°56	5°13	3°36	6°40	2°55	T 14
F 15	20 2 42	29°47'11	1 ^{II} 44	29°11	22°54	14°14	29°58	0°55	20°20	24° 1	12°57	5°R14	3°32	6°47	3° 2	F 15
S 16	20 6 39	0 ^{II} 44'34	13°35	28°28	24° 7	14°53	0 ^{II} 8	0°54	20°17	24° 3	12°58	5°13	3°29	6°53	3°10	S 16
S 17	20 10 35	1°41'58	25°24	27°46	25°21	15°32	0°18	0°53	20°15	24° 5	12°59	5°11	3°26	7° 0	3°17	S 17
M 18	20 14 32	2°39'23	7 ³ 12	27° 7	26°34	16°11	0°28	0°51	20°13	24° 7	13° 0	5° 7	3°23	7° 7	3°25	M 18
T 19	20 18 29	3°36'48	19° 3	26°31	27°47	16°50	0°38	0°50	20°10	24° 8	13° 1	5° 0	3°20	7°13	3°33	T 19
W 20	20 22 25	4°34'15	1 ^{II} 0	25°59	29° 0	17°28	0°47	0°49	20° 8	24°10	13° 2	4°51	3°17	7°20	3°40	W 20
T 21	20 26 22	5°31'43	13° 4	25°32	0 ^{II} 13	18° 7	0°57	0°47	20° 6	24°12	13° 3	4°40	3°13	7°27	3°48	T 21
F 22	20 30 18	6°29'11	25°16	25°10	1°26	18°45	1° 6	0°45	20° 3	24°14	13° 4	4°29	3°10	7°33	3°56	F 22
S 23	20 34 15	7°26'41	7 ³ 37	24°54	2°39	19°23	1°15	0°44	20° 1	24°16	13° 5	4°18	3° 7	7°40	4° 3	S 23
S 24	20 38 11	8°24'12	20° 9	24°44	3°52	20° 1	1°25	0°42	19°59	24°17	13° 6	4° 9	3° 4	7°47	4°11	S 24
M 25	20 42 8	9°21'44	2 ^{II} 52	24°D41	5° 5	20°39	1°34	0°40	19°57	24°19	13° 7	4° 1	3° 1	7°53	4°19	M 25
T 26	20 46 4	10°19'18	15°48	24°45	6°18	21°17	1°43	0°38	19°54	24°21	13° 7	3°56	2°57	8° 0	4°26	T 26
W 27	20 50 1	11°16'53	29° 0	24°56	7°31	21°55	1°51	0°36	19°52	24°22	13° 8	3°54	2°54	8° 7	4°34	W 27
T 28	20 53 58	12°14'30	12 ⁸ 29	25°13	8°44	22°32	2° 0	0°33	19°50	24°24	13° 9	3°D53	2°51	8°13	4°41	T 28
F 29	20 57 54	13°12'08	26°17	25°38	9°57	23° 9	2° 8	0°31	19°48	24°26	13°10	3°R53	2°48	8°20	4°49	F 29
S 30	21 1 51	14° 9'48	10 ^{II} 26	26°11	11°10	23°46	2°17	0°29	19°46	24°27	13°11	3°53	2°45	8°27	4°57	S 30
S 31	21 5 47	15 ^{II} 7'30	24 ^{II} 54	26 ⁵⁰ 50	12 ^{II} 23	24 ⁸ 23	2 ^{II} 25	0°V26	19 ³ 44	24 ^{II} 29	13 ^{II} 11	3 ^{II} 52	2 ^{II} 42	8 ³ 33	5 ^{II} 4	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	22n30	15n13	1s43	15n52	3s 4	20n21	1n31	11n42	1s34	18n49	0s51	1s48	2s23	22s24	0s31	22n10
S 2	22 23	20 0	0 26	15 39	3 18	20 3	1 31	11 56	1 34	18 52	0 51	1 48	2 23	22 24	0 31	22 10
S 3	22 16	23 38	0n53	15 28	3 31	19 44	1 32	12 10	1 34	18 54	0 51	1 48	2 24	22 25	0 31	22 10
M 4	22 8	25 42	2 11	15 18	3 44	19 25	1 32	12 24	1 33	18 57	0 51	1 48	2 24	22 25	0 31	22 10
T 5	21 59	25 52	3 20	15 11	3 56	19 6	1 33	12 37	1 33	18 59	0 51	1 48	2 24	22 26	0 31	22 10
W 6	21 51	24 6	4 14	15 5	4 8	18 46	1 33	12 51	1 32	19 2	0 51	1 49	2 25	22 26	0 31	22 10
T 7	21 41	20 40	4 51	15 1	4 18	18 25	1 33	13 4	1 32	19 4	0 51	1 49	2 25	22 26	0 31	22 11
F 8	21 32	16 0	5 7	14 59	4 28	18 4	1 33	13 17	1 32	19 7	0 51	1 49	2 25	22 27	0 31	22 11
S 9	21 22	10 34	5 4	14 59	4 36	17 42	1 33	13 30	1 31	19 9	0 51	1 50	2 25	22 27	0 31	22 11
S 10	21 12	4 46	4 43	15 0	4 43	17 20	1 33	13 43	1 31	19 11	0 52	1 50	2 26	22 27	0 31	22 11
M 11	21 1	1s 2	4 7	15 4	4 48	16 57	1 33	13 56	1 30	19 13	0 52	1 51	2 26	22 28	0 31	22 11
T 12	20 51	6 38	3 19	15 10	4 52	16 34	1 33	14 8	1 30	19 16	0 52	1 51	2 26	22 28	0 31	22 11
W 13	20 39	11 48	2 23	15 17	4 54	16 11	1 33	14 21	1 29	19 18	0 52	1 52	2 26	22 28	0 31	22 11
T 14	20 28	16 24	1 22	15 26	4 54	15 47	1 33	14 33	1 29	19 20	0 52	1 52	2 27	22 29	0 31	22 11
F 15	20 16	20 16	0 19	15 37	4 53	15 23	1 32	14 45	1 28	19 22	0 52	1 53	2 27	22 29	0 31	22 11
S 16	20 3	23 15	0s45	15 49	4 49	14 58	1 32	14 57	1 28	19 24	0 52	1 54	2 27	22 30	0 31	22 11
S 17	19 51	25 12	1 46	16 2	4 44	14 33	1 31	15 9	1 27	19 26	0 52	1 54	2 28	22 30	0 31	22 11
M 18	19 38	26 2	2 43	16 16	4 37	14 7	1 31	15 21	1 27	19 28	0 52	1 55	2 28	22 30	0 31	22 11
T 19	19 25	25 39	3 32	16 31	4 29	13 41	1 30	15 33	1 26	19 30	0 52	1 56	2 28	22 31	0 31	22 11
W 20	19 11	24 6	4 13	16 47	4 19	13 15	1 29	15 44	1 26	19 32	0 52	1 57	2 28	22 31	0 31	22 11
T 21	18 57	21 27	4 42	17 3	4 8	12 49	1 28	15 55	1 25	19 34	0 52	1 58	2 29	22 31	0 31	22 12
F 22	18 43	17 50	4 59	17 19	3 55	12 22	1 27	16 6	1 24	19 36	0 52	1 58	2 29	22 32	0 31	22 12
S 23	18 28	13 25	5 3	17 35	3 41	11 54	1 27	16 17	1 24	19 38	0 52	1 59	2 29	22 32	0 31	22 12
S 24	18 13	8 23	4 52	17 51	3 27	11 27	1 25	16 28	1 23	19 40	0 52	2 0	2 29	22 32	0 31	22 12
M 25	17 58	2 56	4 26	18 7	3 11	10 59	1 24	16 39	1 23	19 41	0 52	2 1	2 30	22 33	0 31	22 12
T 26	17 43	2n45	3 47	18 22	2 55	10 31	1 23	16 49	1 22	19 43	0 52	2 2	2 30	22 33	0 31	22 12
W 27	17 27	8 26	2 54	18 36	2 39	10 3	1 22	17 0	1 21	19 45	0 52	2 3	2 30	22 33	0 31	22 12
T 28	17 11	13 52	1 51	18 50	2 22	9 34	1 21	17 10	1 21	19 46	0 52	2 5	2 30	22 34	0 31	22 12
F 29	16 55	18 44	0 40	19 2	2 5	9 5	1 19	17 20	1 20	19 48	0 52	2 6	2 31	22 34	0 31	22 12
S 30	16 38	22 39	0n35	19 13	1 48	8 36	1 18	17 30	1 19	19 50	0 53	2 7	2 31	22 34	0 31	22 12
S 31	16n21	25n14	1n49	19n22	1s31	8n 7	1n16	17n40	1s18	19n51	0s53	2s 8	2s31	22s35	0s31	22n12

Julian Day Number = 2235145.5, Delta T = 07m41s

Ecliptic obliquity = 23°31'02, Nutation = -0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°28'30, Lahiri = 15°35'30 Julian Calendar 1 July 1407 == Greg. Calendar 10 July 1407

ASTRODIENST EPHEMERIS for the year 1407
geocentric

AUGUST 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	21 9 44	16°Ω 5'13	9°☾39	27°☾36	13°♊36	25°♋0	2°♌33	0°♍24	19°♎42	24°♏30	13°♐12	3°♑48	2°♒38	8°♓40	5°♈12	M 1
T 2	21 13 40	17° 2'58	24°35	28°29	14°49	25°36	2°41	0°♍21	19°♎40	24°32	13°13	3°♑42	2°35	8°47	5°19	T 2
W 3	21 17 37	18° 0'45	9°♌34	29°29	16° 2	26°12	2°49	0°18	19°38	24°33	13°14	3°33	2°32	8°53	5°27	W 3
T 4	21 21 33	18°58'33	24°28	0°♌36	17°15	26°49	2°57	0°15	19°36	24°35	13°14	3°22	2°29	9° 0	5°35	T 4
F 5	21 25 30	19°56'22	9°♊6	1°48	18°27	27°24	3° 4	0°12	19°34	24°36	13°15	3°11	2°26	9° 7	5°42	F 5
S 6	21 29 27	20°54'12	23°23	3° 6	19°40	28° 0	3°12	0° 9	19°32	24°38	13°16	3° 1	2°22	9°13	5°50	S 6
S 7	21 33 23	21°52'04	7°♌13	4°30	20°53	28°36	3°19	0° 6	19°30	24°39	13°16	2°53	2°19	9°20	5°57	S 7
M 8	21 37 20	22°49'57	20°34	5°59	22° 6	29°11	3°26	0° 3	19°28	24°40	13°17	2°47	2°16	9°27	6° 5	M 8
T 9	21 41 16	23°47'51	3°♌29	7°33	23°19	29°46	3°33	29°♋59	19°26	24°42	13°17	2°44	2°13	9°33	6°12	T 9
W10	21 45 13	24°45'47	16° 1	9°11	24°31	0°♌21	3°40	29°57	19°24	24°43	13°18	2°42	2°10	9°40	6°20	W10
T 11	21 49 9	25°43'44	28°13	10°52	25°44	0°56	3°47	29°53	19°22	24°44	13°18	2°42	2° 7	9°47	6°27	T 11
F 12	21 53 6	26°41'42	10°♌13	12°37	26°57	1°30	3°53	29°50	19°21	24°46	13°19	2°42	2° 3	9°53	6°34	F 12
S 13	21 57 2	27°39'42	22° 4	14°25	28° 9	2° 4	4° 0	29°46	19°19	24°47	13°19	2°41	2° 0	10° 0	6°42	S 13
S 14	22 0 59	28°37'43	3°♓52	16°15	29°22	2°38	4° 6	29°43	19°17	24°48	13°20	2°38	1°57	10° 7	6°49	S 14
M15	22 4 56	29°35'46	15°42	18° 8	0°♌34	3°12	4°12	29°39	19°15	24°49	13°20	2°32	1°54	10°14	6°57	M15
T 16	22 8 52	0°♊33'50	27°38	20° 1	1°47	3°46	4°18	29°35	19°14	24°50	13°21	2°24	1°51	10°20	7° 4	T 16
W17	22 12 49	1°31'56	9°♌42	21°56	2°59	4°19	4°24	29°31	19°12	24°52	13°21	2°13	1°48	10°27	7°11	W17
T 18	22 16 45	2°30'03	21°57	23°52	4°12	4°52	4°29	29°27	19°11	24°53	13°22	2° 0	1°44	10°34	7°18	T 18
F 19	22 20 42	3°28'12	4°♌22	25°48	5°24	5°25	4°35	29°24	19° 9	24°54	13°22	1°47	1°41	10°40	7°26	F 19
S 20	22 24 38	4°26'22	17° 0	27°44	6°37	5°57	4°40	29°20	19° 8	24°55	13°22	1°34	1°38	10°47	7°33	S 20
S 21	22 28 35	5°24'35	29°49	29°41	7°49	6°30	4°45	29°16	19° 6	24°56	13°23	1°22	1°35	10°54	7°40	S 21
M22	22 32 31	6°22'49	12°♊49	1°♊37	9° 2	7° 2	4°50	29°11	19° 5	24°57	13°23	1°13	1°32	11° 0	7°47	M22
T 23	22 36 28	7°21'06	26° 0	3°32	10°14	7°34	4°54	29° 7	19° 4	24°58	13°23	1° 6	1°28	11° 7	7°54	T 23
W24	22 40 25	8°19'24	9°♓23	5°27	11°26	8° 5	4°59	29° 3	19° 2	24°59	13°24	1° 3	1°25	11°14	8° 1	W24
T 25	22 44 21	9°17'45	22°57	7°22	12°38	8°37	5° 3	28°59	19° 1	24°59	13°24	1° 2	1°22	11°20	8° 8	T 25
F 26	22 48 18	10°16'07	6°♌44	9°16	13°51	9° 8	5° 8	28°55	19° 0	25° 0	13°24	1° 2	1°19	11°27	8°15	F 26
S 27	22 52 14	11°14'32	20°45	11° 8	15° 3	9°38	5°12	28°50	18°59	25° 1	13°24	1° 1	1°16	11°34	8°22	S 27
S 28	22 56 11	12°13'00	4°☾59	13° 0	16°15	10° 9	5°15	28°46	18°57	25° 2	13°25	1° 0	1°13	11°40	8°29	S 28
M29	23 0 7	13°11'29	19°24	14°51	17°27	10°39	5°19	28°41	18°56	25° 3	13°25	0°56	1° 9	11°47	8°36	M29
T 30	23 4 4	14°10'01	3°♌57	16°41	18°39	11° 9	5°23	28°37	18°55	25° 3	13°25	0°50	1° 6	11°54	8°43	T 30
W31	23 8 0	15°♊8'35	18°♌34	18°♊30	19°♌51	11°♌38	5°♌26	28°♋33	18°♓54	25°♌4	13°♌25	0°♌41	1°♌3	12°♓0	8°♌50	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	16n 4	26n 7	2n58	19n29	1s15	7n37	1n15	17n49	1s18	19n53	0s53	2s 9	2s31	22s35	0s31	22n12
T 2	15 47	25 7	3 55	19 35	0 58	7 7	1 13	17 59	1 17	19 54	0 53	2 11	2 32	22 35	0 31	22 12
W 3	15 29	22 20	4 36	19 38	0 42	6 37	1 11	18 8	1 16	19 56	0 53	2 12	2 32	22 35	0 31	22 12
T 4	15 11	18 5	4 58	19 39	0 27	6 7	1 9	18 17	1 15	19 57	0 53	2 13	2 32	22 36	0 31	22 12
F 5	14 53	12 48	5 0	19 38	0 12	5 37	1 8	18 26	1 15	19 59	0 53	2 15	2 32	22 36	0 31	22 12
S 6	14 34	6 58	4 43	19 34	0n 2	5 7	1 6	18 35	1 14	20 0	0 53	2 16	2 32	22 36	0 31	22 12
S 7	14 16	0 57	4 10	19 27	0 15	4 36	1 4	18 44	1 13	20 1	0 53	2 18	2 33	22 37	0 31	22 12
M 8	13 57	4s55	3 23	19 17	0 28	4 5	1 2	18 52	1 12	20 2	0 53	2 19	2 33	22 37	0 31	22 12
T 9	13 38	10 24	2 28	19 5	0 40	3 34	0 59	19 0	1 11	20 4	0 53	2 20	2 33	22 37	0 31	22 12
W10	13 19	15 17	1 27	18 50	0 50	3 4	0 57	19 9	1 10	20 5	0 53	2 22	2 33	22 37	0 31	22 12
T 11	12 59	19 27	0 24	18 32	1 0	2 33	0 55	19 17	1 9	20 6	0 53	2 24	2 34	22 38	0 31	22 12
F 12	12 39	22 42	0s40	18 11	1 9	2 1	0 53	19 25	1 9	20 7	0 53	2 25	2 34	22 38	0 31	22 12
S 13	12 19	24 57	1 41	17 47	1 17	1 30	0 50	19 32	1 8	20 8	0 53	2 27	2 34	22 38	0 31	22 12
S 14	11 59	26 4	2 37	17 21	1 24	0 59	0 48	19 40	1 7	20 10	0 54	2 28	2 34	22 38	0 31	22 12
M15	11 39	26 0	3 26	16 52	1 30	0 28	0 45	19 47	1 6	20 11	0 54	2 30	2 34	22 38	0 31	22 12
T 16	11 19	24 44	4 7	16 22	1 35	0 35	0 43	19 55	1 5	20 12	0 54	2 32	2 34	22 39	0 31	22 12
W17	10 58	22 20	4 37	15 48	1 39	0 35	0 40	20 2	1 4	20 13	0 54	2 33	2 35	22 39	0 31	22 13
T 18	10 37	18 53	4 55	15 13	1 43	1 6	0 38	20 9	1 3	20 14	0 54	2 35	2 35	22 39	0 31	22 13
F 19	10 16	14 35	4 59	14 36	1 45	1 37	0 35	20 16	1 2	20 14	0 54	2 37	2 35	22 39	0 31	22 13
S 20	9 55	9 35	4 49	13 58	1 47	2 9	0 32	20 22	1 1	20 15	0 54	2 38	2 35	22 40	0 31	22 13
S 21	9 33	4 7	4 24	13 18	1 47	2 40	0 29	20 29	1 0	20 16	0 54	2 40	2 35	22 40	0 31	22 13
M22	9 12	1n37	3 45	12 37	1 48	3 11	0 27	20 35	0 59	20 17	0 54	2 42	2 35	22 40	0 31	22 13
T 23	8 50	7 23	2 54	11 54	1 47	3 42	0 24	20 42	0 58	20 18	0 54	2 44	2 36	22 40	0 31	22 13
W24	8 29	12 54	1 52	11 11	1 46	4 13	0 21	20 48	0 57	20 19	0 54	2 46	2 36	22 40	0 31	22 13
T 25	8 7	17 53	0 43	10 27	1 44	4 44	0 18	20 54	0 55	20 19	0 54	2 47	2 36	22 40	0 31	22 13
F 26	7 45	22 0	0n30	9 42	1 42	5 15	0 15	21 0	0 54	20 20	0 54	2 49	2 36	22 41	0 31	22 13
S 27	7 22	24 54	1 42	8 56	1 39	5 46	0 12	21 6	0 53	20 21	0 55	2 51	2 36	22 41	0 31	22 13
S 28	7 0	26 15	2 49	8 10	1 36	6 17	0 9	21 11	0 52	20 21	0 55	2 53	2 36	22 41	0 31	22 13
M29	6 38	25 51	3 46	7 24	1 32	6 47	0 5	21 17	0 51	20 22	0 55	2 55	2 36	22 41	0 31	22 13
T 30	6 15	23 41	4 29	6 37	1 28	7 18	0 2	21 22	0 50	20 22	0 55	2 57	2 36	22 41	0 31	22 13
W31	5n52	19n58	4n55	5n51	1n23	7s48	0s 1	21n27	0s48	20n23	0s55	2s58	2s37	22s41	0s31	22n13

Julian Day Number = 2235176.5, Delta T = 07m41s

Ecliptic obliquity = 23°31'03, Nutation = - 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°28'34, Lahiri = 15°35'34 Julian Calendar 1 Aug. 1407 == Greg. Calendar 10 Aug. 1407

ASTRODIENST EPHEMERIS for the year 1407

geocentric

SEPTEMBER 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 11 57	16 ¹⁰ 7'10	3 ¹⁰ 7	20 ¹⁰ 18	21 ¹⁰ 4	12 ¹⁰ 7	5 ¹⁰ 29	28°R28	18°R53	25 ¹⁰ 5	13 ¹⁰ 25	0°R30	1 ¹⁰ 0	12 ¹⁰ 7	8 ¹⁰ 56	T 1
F 2	23 15 54	17° 5'48	17°29	22° 5	22°16	12°36	5°32	28 ¹⁰ 23	18 ¹⁰ 52	25° 5	13°25	0 ¹⁰ 19	0°57	12°14	9° 3	F 2
S 3	23 19 50	18° 4'28	1 ¹⁰ 33	23°51	23°28	13° 5	5°35	28°19	18°52	25° 6	13°25	0° 8	0°54	12°20	9°10	S 3
S 4	23 23 47	19° 3'09	15°16	25°35	24°40	13°33	5°37	28°14	18°51	25° 6	13°25	29 ¹⁰ 59	0°50	12°27	9°16	S 4
M 5	23 27 43	20° 1'53	28°34	27°19	25°51	14° 1	5°39	28°10	18°50	25° 7	13°R25	29°53	0°47	12°34	9°23	M 5
T 6	23 31 40	21° 0'38	11 ¹⁰ 29	29° 2	27° 3	14°28	5°42	28° 5	18°49	25° 8	13°25	29°49	0°44	12°40	9°30	T 6
W 7	23 35 36	21°59'25	24° 1	0 ¹⁰ 44	28°15	14°56	5°43	28° 0	18°49	25° 8	13°25	29°47	0°41	12°47	9°36	W 7
T 8	23 39 33	22°58'14	6 ¹⁰ 15	2°25	29°27	15°22	5°45	27°56	18°48	25° 8	13°25	29°D47	0°38	12°54	9°42	T 8
F 9	23 43 29	23°57'05	18°15	4° 5	0 ¹⁰ 39	15°49	5°47	27°51	18°47	25° 9	13°25	29°R48	0°34	13° 0	9°49	F 9
S 10	23 47 26	24°55'57	0 ¹⁰ 8	5°44	1°51	16°15	5°48	27°46	18°47	25° 9	13°25	29°48	0°31	13° 7	9°55	S 10
S 11	23 51 22	25°54'51	11°58	7°22	3° 2	16°40	5°49	27°42	18°46	25° 9	13°25	29°46	0°28	13°14	10° 1	S 11
M12	23 55 19	26°53'47	23°50	8°59	4°14	17° 6	5°50	27°37	18°46	25°10	13°25	29°43	0°25	13°20	10° 8	M12
T 13	23 59 16	27°52'45	5 ¹⁰ 49	10°35	5°25	17°30	5°51	27°32	18°45	25°10	13°25	29°37	0°22	13°27	10°14	T 13
W14	0 3 12	28°51'45	17°59	12°11	6°37	17°55	5°52	27°28	18°45	25°10	13°24	29°29	0°19	13°34	10°20	W14
T 15	0 7 9	29°50'46	0 ¹⁰ 22	13°45	7°49	18°19	5°52	27°23	18°45	25°10	13°24	29°19	0°15	13°41	10°26	T 15
F 16	0 11 5	0 ¹⁰ 49'50	13° 1	15°19	9° 0	18°43	5°R52	27°18	18°45	25°11	13°24	29° 8	0°12	13°47	10°32	F 16
S 17	0 15 2	1°48'55	25°55	16°52	10°11	19° 6	5°52	27°13	18°44	25°11	13°24	28°58	0° 9	13°54	10°38	S 17
S 18	0 18 58	2°48'03	9 ¹⁰ 5	18°24	11°23	19°28	5°52	27° 9	18°44	25°11	13°23	28°49	0° 6	14° 1	10°43	S 18
M19	0 22 55	3°47'12	22°27	19°55	12°34	19°51	5°51	27° 4	18°44	25°11	13°23	28°42	0° 3	14° 7	10°49	M19
T 20	0 26 51	4°46'24	6 ¹⁰ 2	21°25	13°45	20°13	5°51	27° 0	18°D44	25°R11	13°23	28°37	29 ¹⁰ 59	14°14	10°55	T 20
W21	0 30 48	5°45'38	19°46	22°55	14°56	20°34	5°50	26°55	18°44	25°11	13°23	28°35	29°56	14°21	11° 1	W21
T 22	0 34 45	6°44'54	3 ¹⁰ 37	24°24	16° 8	20°55	5°49	26°50	18°44	25°11	13°22	28°D34	29°53	14°27	11° 6	T 22
F 23	0 38 41	7°44'13	17°36	25°52	17°19	21°15	5°48	26°46	18°44	25°11	13°22	28°35	29°50	14°34	11°12	F 23
S 24	0 42 38	8°43'34	1 ¹⁰ 39	27°19	18°30	21°35	5°46	26°41	18°44	25°11	13°21	28°36	29°47	14°41	11°17	S 24
S 25	0 46 34	9°42'57	15°48	28°46	19°41	21°54	5°45	26°37	18°45	25°11	13°21	28°R36	29°44	14°47	11°22	S 25
M26	0 50 31	10°42'23	29°59	0 ¹⁰ 11	20°52	22°13	5°43	26°32	18°45	25°10	13°21	28°35	29°40	14°54	11°28	M26
T 27	0 54 27	11°41'51	14 ¹⁰ 12	1°36	22° 3	22°31	5°41	26°28	18°45	25°10	13°20	28°31	29°37	15° 1	11°33	T 27
W28	0 58 24	12°41'22	28°22	3° 0	23°13	22°49	5°38	26°23	18°46	25°10	13°20	28°25	29°34	15° 7	11°38	W28
T 29	1 2 20	13°40'55	12 ¹⁰ 27	4°22	24°24	23° 6	5°36	26°19	18°46	25°10	13°19	28°18	29°31	15°14	11°43	T 29
F 30	1 6 17	14°40'29	26 ¹⁰ 23	5 ¹⁰ 44	25 ¹⁰ 35	23 ¹⁰ 23	5 ¹⁰ 33	26 ¹⁰ 15	18 ¹⁰ 47	25 ¹⁰ 9	13 ¹⁰ 19	28 ¹⁰ 11	29 ¹⁰ 28	15 ¹⁰ 21	11 ¹⁰ 48	F 30

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	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	5n30	15n 4	5n 1	5n 4	1n19	8s19	0s 4	21n32	0s47	20n23	0s55	3s 0	2s37	22s41	0s31	22n13	1s13	13n43	8s50	20n19	20n26	26s20	12n 2	6s16			
F 2	5 7	9 23	4 48	4 17	1 14	8 49	0 7	21 37	0 46	20 24	0 55	3 2	2 37	22 41	0 31	22 13	1 13	13 43	8 50	20 17	20 25	26 20	12 0	6 16			
S 3	4 44	3 19	4 18	3 30	1 8	9 18	0 11	21 42	0 45	20 24	0 55	3 4	2 37	22 42	0 31	22 13	1 13	13 43	8 50	20 15	20 24	26 20	11 58	6 17			
S 4	4 21	2s45	3 33	2 43	1 2	9 48	0 14	21 47	0 43	20 24	0 55	3 6	2 37	22 42	0 31	22 13	1 13	13 43	8 50	20 13	20 24	26 20	11 56	6 17			
M 5	3 58	8 33	2 38	1 56	0 57	10 18	0 17	21 52	0 42	20 25	0 55	3 8	2 37	22 42	0 31	22 13	1 13	13 42	8 50	20 11	20 23	26 20	11 54	6 17			
T 6	3 34	13 48	1 36	1 9	0 51	10 47	0 21	21 56	0 41	20 25	0 55	3 10	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 11	20 22	26 20	11 52	6 18			
W 7	3 11	18 20	0 31	0 23	0 44	11 16	0 24	22 1	0 39	20 25	0 55	3 12	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 10	20 22	26 20	11 50	6 18			
T 8	2 48	21 59	0s34	0s23	0 38	11 45	0 28	22 5	0 38	20 26	0 55	3 14	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 10	20 21	26 20	11 48	6 18			
F 9	2 25	24 36	1 37	1 9	0 31	12 13	0 31	22 9	0 36	20 26	0 55	3 16	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 10	20 20	26 20	11 46	6 19			
S 10	2 1	26 5	2 34	1 54	0 25	12 41	0 34	22 13	0 35	20 26	0 56	3 18	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 10	20 20	26 20	11 44	6 19			
S 11	1 38	26 23	3 25	2 40	0 18	13 9	0 38	22 18	0 34	20 26	0 56	3 20	2 37	22 42	0 31	22 12	1 13	13 42	8 51	20 10	20 19	26 20	11 42	6 20			
M12	1 14	25 28	4 7	3 24	0 11	13 37	0 41	22 21	0 32	20 26	0 56	3 21	2 37	22 42	0 31	22 12	1 13	13 41	8 52	20 9	20 18	26 20	11 40	6 20			
T 13	0 51	23 23	4 39	4 9	0 4	14 5	0 45	22 25	0 31	20 26	0 56	3 23	2 37	22 42	0 31	22 12	1 13	13 41	8 52	20 8	20 18	26 20	11 38	6 20			
W14	0 27	20 13	4 58	4 53	0s 3	14 32	0 48	22 29	0 29	20 26	0 56	3 25	2 37	22 42	0 31	22 12	1 13	13 41	8 52	20 6	20 17	26 20	11 36	6 21			
T 15	0 4	16 7	5 4	5 36	0 10	14 58	0 52	22 33	0 27	20 26	0 56	3 27	2 38	22 42	0 31	22 12	1 14	13 41	8 52	20 4	20 16	26 20	11 34	6 21			
F 16	0s20	11 14	4 55	6 19	0 17	15 25	0 55	22 36	0 26	20 26	0 56	3 29	2 38	22 42	0 31	22 12	1 14	13 41	8 52	20 2	20 16	26 20	11 32	6 22			
S 17	0 43	5 47	4 32	7 2	0 25	15 51	0 59	22 40	0 24	20 26	0 56	3 31	2 38	22 42	0 31	22 12	1 14	13 41	8 52	20 0	20 15	26 20	11 30	6 22			
S 18	1 7	0n 2	3 53	7 43	0 32	16 17	1 2	22 43	0 23	20 26	0 56	3 33	2 38	22 42	0 30	22 12	1 14	13 40	8 52	19 58	20 14	26 20	11 28	6 23			
M19	1 31	5 58	3 1	8 25	0 39	16 42	1 5	22 47	0 21	20 26	0 56	3 35	2 38	22 42	0 30	22 12	1 14	13 40	8 53	19 56	20 14	26 20	11 26	6 23			
T 20	1 54	11 43	1 58	9 6	0 46	17 7	1 9	22 50	0 19	20 26	0 56	3 36	2 38	22 42	0 30	22 12	1 14	13 40	8 53	19 55	20 13	26 20	11 24	6 23			
W21	2 18	16 59	0 47	9 46	0 53	17 31	1 12	22 53	0 18	20 26	0 56	3 38	2 38	22 42	0 30	22 12	1 14	13 40	8 53	19 54	20 12	26 20	11 22	6 24			
T 22	2 41	21 23	0n27	10 25	1 0	17 56	1 16	22 56	0 16	20 25	0 56	3 40	2 37	22 42	0 30	22 12	1 14	13 40	8 53	19 54	20 12	26 19	11 20	6 24			
F 23	3 5	24 36	1 41	11 4	1 7	18 19	1 19	23 0	0 14	20 25	0 56	3 42	2 37	22 42	0 30	22 12	1 14	13 39	8 53	19 55	20 11	26 19	11 18	6 25			
S 24	3 28	26 19	2 48	11 42	1 14	18 42	1 22	23 3	0 12	20 25	0 56	3 44	2 37	22 42	0 30	22 12	1 14	13 39	8 53	19 55	20 10	26 19	11 16	6 25			
S 25	3 52	26 20	3 46	12 20	1 21	19 5	1 26	23 6	0 11	20 24	0 57	3 45	2 37	22 42	0 30	22 12	1 14	13 39	8 53	19 55	20 10	26 19	11 14	6 26			
M26	4 15	24 38	4 31	12 57	1 28	19 28	1 29	23 9	0 9	20 24	0 57	3 47	2 37	22 42	0 30	22 12	1 14	13 39	8 53	19 54	20 9	26 19	11 12	6 26			
T 27	4 38	21 23	4 59	13 33	1 35	19 50	1 32	23 12	0 7	20 24	0 57	3 49	2 37	22 42	0 30	22 12	1 14	13 39	8 54	19 54	20 8	26 19	11 10	6 27			
W28	5 2	16 53	5 8	14 8	1 41	20 11	1 36	23 14	0 5	20 23	0 57	3 51	2 37	22 42	0 30	22 12	1 14	13 39	8 54	19 52	20 7	26 19	11 8	6 28			
T 29	5 25	11 30	4 59	14 42	1 48	20 32	1 39	23 17	0 3	20 23	0 57	3 52	2 37	22 42	0 30	22 12	1 14	13 38	8 54	19 51	20 7	26 18	11 7	6 28			
F 30	5s48	5n36	4n32	15s16	1s54	20s52	1s42	23n20	0s 1	20n22	0s57	3s54	2s37	22s42	0s30	22n12	1s14	13n38	8s54	19n49	20n 6	26s18	11n 5	6s29			

ASTRODIENST EPHEMERIS for the year 1407

geocentric

OCTOBER 1407 JC

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 10 14	15 ⁴⁰ 0'06	10 ⁴⁰ 5	7 ¹¹ 5	26 ¹¹ 46	23 ¹¹ 39	5°R31	26°R10	18 ³⁴ 47	25°R 9	13°R18	28°R 4	29 ⁸ 25	15 ³² 27	11 ¹¹ 53	S 1
S 2	1 14 10	16°39'46	23°30	8°25	27°56	23°54	5 ¹¹ 27	26 ¹¹ 6	18°48	25 ¹¹ 9	13 ¹¹ 18	27 ⁸ 58	29°21	15°34	11°58	S 2
M 3	1 18 7	17°39'27	6 ¹¹ 36	9°43	29° 7	24° 9	5°24	26° 2	18°48	25° 8	13°17	27°54	29°18	15°41	12° 3	M 3
T 4	1 22 3	18°39'10	19°22	11° 1	0 ¹¹ 17	24°23	5°21	25°58	18°49	25° 8	13°16	27°52	29°15	15°48	12° 7	T 4
W 5	1 26 0	19°38'55	1 ¹¹ 51	12°17	1°27	24°36	5°17	25°53	18°50	25° 7	13°16	27°D52	29°12	15°54	12°12	W 5
T 6	1 29 56	20°38'42	14° 4	13°31	2°38	24°49	5°13	25°49	18°50	25° 7	13°15	27°53	29° 9	16° 1	12°17	T 6
F 7	1 33 53	21°38'30	26° 5	14°45	3°48	25° 1	5° 9	25°45	18°51	25° 6	13°14	27°54	29° 5	16° 8	12°21	F 7
S 8	1 37 49	22°38'21	7 ³ 58	15°56	4°58	25°13	5° 5	25°42	18°52	25° 6	13°14	27°56	29° 2	16°14	12°25	S 8
S 9	1 41 46	23°38'13	19°48	17° 5	6° 8	25°23	5° 1	25°38	18°53	25° 5	13°13	27°R57	28°59	16°21	12°30	S 9
M10	1 45 43	24°38'07	1 ¹¹ 41	18°13	7°18	25°34	4°56	25°34	18°54	25° 4	13°12	27°57	28°56	16°28	12°34	M10
T 11	1 49 39	25°38'02	13°40	19°18	8°28	25°43	4°52	25°30	18°55	25° 4	13°12	27°55	28°53	16°34	12°38	T 11
W12	1 53 36	26°37'59	25°52	20°21	9°38	25°52	4°47	25°26	18°56	25° 3	13°11	27°52	28°50	16°41	12°42	W12
T 13	1 57 32	27°37'58	8 ¹¹ 19	21°21	10°48	25°59	4°42	25°23	18°57	25° 2	13°10	27°48	28°46	16°48	12°46	T 13
F 14	2 1 29	28°37'59	21° 5	22°18	11°57	26° 7	4°37	25°19	18°59	25° 2	13° 9	27°43	28°43	16°54	12°50	F 14
S 15	2 5 25	29°38'01	4°Y10	23°11	13° 7	26°13	4°31	25°16	19° 0	25° 1	13° 9	27°38	28°40	17° 1	12°53	S 15
S 16	2 9 22	0 ¹¹ 38'05	17°36	24° 1	14°16	26°19	4°26	25°12	19° 1	25° 0	13° 8	27°34	28°37	17° 8	12°57	S 16
M17	2 13 18	1°38'11	1 ¹¹ 21	24°47	15°26	26°24	4°20	25° 9	19° 2	24°59	13° 7	27°31	28°34	17°14	13° 0	M17
T 18	2 17 15	2°38'19	15°21	25°27	16°35	26°28	4°14	25° 6	19° 4	24°58	13° 6	27°29	28°31	17°21	13° 4	T 18
W19	2 21 11	3°38'28	29°32	26° 3	17°44	26°31	4° 8	25° 3	19° 5	24°57	13° 5	27°D29	28°27	17°28	13° 7	W19
T 20	2 25 8	4°38'40	13 ¹¹ 51	26°32	18°53	26°33	4° 2	25° 0	19° 7	24°56	13° 4	27°29	28°24	17°35	13°11	T 20
F 21	2 29 5	5°38'54	28°12	26°56	20° 2	26°35	3°56	24°57	19° 8	24°55	13° 4	27°31	28°21	17°41	13°14	F 21
S 22	2 33 1	6°39'10	12 ¹¹ 33	27°11	21°11	26°R36	3°49	24°54	19°10	24°54	13° 3	27°32	28°18	17°48	13°17	S 22
S 23	2 36 58	7°39'28	26°49	27°R20	22°19	26°36	3°43	24°51	19°11	24°53	13° 2	27°33	28°15	17°55	13°20	S 23
M24	2 40 54	8°39'47	10 ¹¹ 48	27°19	23°28	26°35	3°36	24°48	19°13	24°52	13° 1	27°R34	28°11	18° 1	13°23	M24
T 25	2 44 51	9°40'09	24°59	27°10	24°36	26°33	3°29	24°46	19°15	24°51	13° 0	27°33	28° 8	18° 8	13°25	T 25
W26	2 48 47	10°40'33	8 ¹¹ 51	26°50	25°44	26°31	3°22	24°43	19°16	24°50	12°59	27°31	28° 5	18°15	13°28	W26
T 27	2 52 44	11°40'59	22°31	26°21	26°52	26°27	3°15	24°41	19°18	24°49	12°58	27°29	28° 2	18°21	13°31	T 27
F 28	2 56 41	12°41'27	5 ¹¹ 59	25°42	28° 0	26°23	3° 8	24°38	19°20	24°48	12°57	27°27	27°59	18°28	13°33	F 28
S 29	3 0 37	13°41'56	19°13	24°52	29° 8	26°18	3° 1	24°36	19°22	24°47	12°56	27°25	27°56	18°35	13°35	S 29
S 30	3 4 34	14°42'27	2 ¹¹ 14	23°53	0 ¹¹ 16	26°11	2°53	24°34	19°24	24°46	12°55	27°24	27°52	18°41	13°38	S 30
M31	3 8 30	15 ¹¹ 43'00	15 ¹¹ 1	22 ¹¹ 46	1 ¹¹ 24	26 ¹¹ 4	2 ¹¹ 46	24 ¹¹ 32	19 ¹¹ 26	24 ¹¹ 44	12 ¹¹ 54	27 ¹¹ 23	27 ¹¹ 49	18 ¹¹ 48	13 ¹¹ 40	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	6s11	0s29	3n50	15s49	2s 0	21s12	1s45	23n23	0n 1	20n22	0s57	3s56	2s37	22s42	0s30	22n12	1s14	13n38	8s54	19n48	20n 5	26s18	11n 3	6s29	
S 2	6 34	6 26	2 55	16 20	2 6	21 32	1 49	23 26	0 3	20 21	0 57	3 57	2 37	22 42	0 30	22 12	1 14	13 38	8 54	19 46	20 5	26 18	11 1	6 30	
M 3	6 57	11 59	1 53	16 51	2 12	21 50	1 52	23 28	0 5	20 20	0 57	3 59	2 37	22 41	0 30	22 12	1 14	13 38	8 54	19 45	20 4	26 18	10 59	6 30	
T 4	7 20	16 53	0 46	17 21	2 17	22 9	1 55	23 31	0 7	20 20	0 57	4 0	2 37	22 41	0 30	22 12	1 14	13 37	8 54	19 45	20 3	26 18	10 57	6 31	
W 5	7 43	20 57	0s22	17 50	2 22	22 26	1 58	23 34	0 9	20 19	0 57	4 2	2 37	22 41	0 30	22 12	1 14	13 37	8 55	19 45	20 3	26 17	10 56	6 31	
T 6	8 5	24 0	1 27	18 17	2 27	22 44	2 1	23 36	0 11	20 18	0 57	4 4	2 37	22 41	0 30	22 11	1 14	13 37	8 55	19 45	20 2	26 17	10 54	6 32	
F 7	8 28	25 55	2 28	18 44	2 32	23 0	2 4	23 39	0 14	20 18	0 57	4 5	2 37	22 41	0 30	22 11	1 14	13 37	8 55	19 45	20 1	26 17	10 52	6 32	
S 8	8 50	26 38	3 21	19 9	2 36	23 16	2 6	23 42	0 16	20 17	0 57	4 7	2 36	22 41	0 30	22 11	1 14	13 37	8 55	19 46	20 1	26 17	10 50	6 33	
S 9	9 12	26 7	4 6	19 33	2 40	23 31	2 9	23 44	0 18	20 16	0 57	4 8	2 36	22 41	0 30	22 11	1 14	13 36	8 55	19 46	20 0	26 16	10 49	6 34	
M10	9 34	24 24	4 41	19 56	2 44	23 46	2 12	23 47	0 20	20 15	0 57	4 9	2 36	22 41	0 30	22 11	1 14	13 36	8 55	19 46	19 59	26 16	10 47	6 34	
T 11	9 56	21 36	5 3	20 17	2 47	24 0	2 15	23 49	0 23	20 14	0 57	4 11	2 36	22 40	0 30	22 11	1 14	13 36	8 55	19 46	19 58	26 16	10 45	6 35	
W12	10 18	17 50	5 12	20 37	2 50	24 14	2 17	23 52	0 25	20 14	0 57	4 12	2 36	22 40	0 30	22 11	1 14	13 36	8 55	19 45	19 58	26 16	10 44	6 35	
T 13	10 40	13 13	5 7	20 55	2 52	24 27	2 20	23 55	0 27	20 13	0 57	4 13	2 36	22 40	0 30	22 11	1 14	13 36	8 55	19 44	19 57	26 15	10 42	6 36	
F 14	11 1	7 57	4 47	21 12	2 53	24 39	2 22	23 57	0 30	20 12	0 57	4 15	2 36	22 40	0 30	22 11	1 14	13 36	8 56	19 43	19 56	26 15	10 40	6 37	
S 15	11 23	2 11	4 12	21 26	2 54	24 50	2 25	24 0	0 32	20 11	0 57	4 16	2 36	22 40	0 30	22 11	1 14	13 35	8 56	19 42	19 56	26 15	10 39	6 37	
S 16	11 44	3n50	3 22	21 39	2 54	25 1	2 27	24 3	0 35	20 10	0 57	4 17	2 35	22 39	0 30	22 11	1 14	13 35	8 56	19 41	19 55	26 15	10 37	6 38	
M17	12 5	9 49	2 19	21 50	2 54	25 12	2 29	24 5	0 37	20 9	0 57	4 18	2 35	22 39	0 30	22 11	1 14	13 35	8 56	19 40	19 54	26 14	10 35	6 38	
T 18	12 26	15 26	1 6	21 59	2 52	25 21	2 32	24 8	0 40	20 8	0 57	4 20	2 35	22 39	0 30	22 11	1 15	13 35	8 56	19 40	19 54	26 14	10 34	6 39	
W19	12 46	20 18	0n11	22 5	2 50	25 30	2 34	24 11	0 42	20 6	0 57	4 21	2 35	22 39	0 30	22 11	1 15	13 35	8 56	19 40	19 53	26 14	10 32	6 40	
T 20	13 7	24 1	1 29	22 9	2 47	25 38	2 36	24 13	0 45	20 5	0 57	4 22	2 35	22 39	0 30	22 11	1 15	13 34	8 56	19 40	19 52	26 13	10 31	6 40	
F 21	13 27	26 12	2 41	22 10	2 42	25 46	2 38	24 16	0 48	20 4	0 57	4 23	2 35	22 38	0 30	22 11	1 15	13 34	8 56	19 40	19 51	26 13	10 29	6 41	
S 22	13 47	26 38	3 43	22 8	2 36	25 52	2 39	24 19	0 50	20 3	0 57	4 24	2 34	22 38	0 30	22 11	1 15	13 34	8 56	19 40	19 51	26 13	10 28	6 42	
S 23	14 7	25 18	4 31	22 3	2 29	25 59	2 41	24 21	0 53	20 2	0 57	4 25	2 34	22 38	0 30	22 11	1 15	13 34	8 56	19 41	19 50	26 12	10 26	6 42	
M24	14 26	22 23	5 3	21 54	2 21	26 4	2 43	24 24	0 56	20 1	0 57	4 26	2 34	22 38	0 30	22 10	1 15	13 34	8 56	19 41	19 49	26 12	10 25	6 43	
T 25	14 45	18 11	5 15	21 42	2 11	26 9	2 44	24 27	0 58	19 59	0 57	4 27	2 34	22 37	0 30	22 10	1 15	13 34	8 56	19 41	19 49	26 12	10 24	6 44	
W26	15 4	13 3	5 9	21 27	1 59	26 13	2 46	24 29	1 1	19 58	0 57	4 27	2 34	22 37	0 30	22 10	1 15	13 33	8 57	19 40	19 48	26 11	10 22	6 44	
T 27	15 23	7 21	4 46	21 7	1 46	26 16	2 47	24 32	1 4	19 57	0 57	4 28	2 34	22 37	0 30	22 10	1 15	13 33	8 57	19 40	19 47	26 11	10 21	6 45	
F 28	15 42	1 24	4 7	20 43	1 31	26 19	2 48	24 35	1 7	19 55	0 57	4 29	2 33	22 37	0 30	22 10	1 15	13 33	8 57	19 39	19 46	26 11	10 20	6 46	
S 29	16 0	4s32	3 16	20 15	1 14	26 20	2 50	24 37	1 10	19 54	0 57	4 30	2 33	22 36	0 30	22 10	1 15	13 33	8 57	19 39	19 46	26 10	10 18	6 46	
S 30	16 18	10 11	2 15	19 43	0 56	26 22	2 51	24 40	1 12	19 53	0 57	4 30	2 33	22 36	0 30	22 10	1 15	13 33	8 57	19 39	19 45	26 10	10 17	6 47	
M31	16s36	15s19	1n 8	19s 7	0s37	26s22	2s52	24n43	1n15	19n51	0s57	4s31	2s33	22s36	0s30	22n10	1s15	13n32	8s57	19n38	19n44	26s 9	10n16	6s48	

ASTRODIENST EPHEMERIS for the year 1407

geocentric

NOVEMBER 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 12 27	16 ¹¹ 43'35	27 ¹¹ 34	21°R32	2 ²³ 31	25°R57	2°R38	24°R30	19 ²⁸ 28	24°R43	12°R53	27°D22	27 ⁸ 46	18 ³ 55	13 ¹² 42	T 1
W 2	3 16 23	17°44'11	9 ²⁷ 54	20 ¹¹ 13	3°38	25 ¹¹ 48	2 ¹¹ 30	24 ¹¹ 28	19°30	24 ¹¹ 42	12 ¹¹ 52	27 ⁸ 23	27°43	19° 2	13°44	W 2
T 3	3 20 20	18°44'48	22° 2	18°52	4°45	25°38	2°23	24°26	19°32	24°41	12°51	27°23	27°40	19° 8	13°46	T 3
F 4	3 24 16	19°45'27	4 ²³ 0	17°31	5°52	25°28	2°15	24°24	19°34	24°39	12°50	27°24	27°37	19°15	13°47	F 4
S 5	3 28 13	20°46'07	15°53	16°13	6°59	25°16	2° 7	24°23	19°36	24°38	12°49	27°25	27°33	19°22	13°49	S 5
S 6	3 32 10	21°46'49	27°43	15° 0	8° 5	25° 4	1°59	24°21	19°39	24°37	12°48	27°26	27°30	19°28	13°50	S 6
M 7	3 36 6	22°47'31	9 ²⁸ 34	13°56	9°12	24°51	1°51	24°20	19°41	24°35	12°47	27°26	27°27	19°35	13°52	M 7
T 8	3 40 3	23°48'15	21°32	13° 1	10°18	24°37	1°43	24°19	19°43	24°34	12°46	27°R26	27°24	19°42	13°53	T 8
W 9	3 43 59	24°48'59	3 ¹¹ 41	12°16	11°24	24°23	1°35	24°18	19°46	24°32	12°44	27°26	27°21	19°48	13°54	W 9
T 10	3 47 56	25°49'45	16° 5	11°43	12°29	24° 7	1°27	24°17	19°48	24°31	12°43	27°26	27°17	19°55	13°55	T 10
F 11	3 51 52	26°50'32	28°50	11°22	13°35	23°51	1°19	24°16	19°50	24°29	12°42	27°26	27°14	20° 2	13°56	F 11
S 12	3 55 49	27°51'19	11 ¹⁹ 56	11°D12	14°40	23°34	1°11	24°15	19°53	24°28	12°41	27°D26	27°11	20° 8	13°57	S 12
S 13	3 59 45	28°52'08	25°28	11°13	15°45	23°17	1° 3	24°14	19°55	24°27	12°40	27°26	27° 8	20°15	13°58	S 13
M14	4 3 42	29°52'58	9 ²⁸ 24	11°25	16°49	22°59	0°54	24°13	19°58	24°25	12°39	27°26	27° 5	20°22	13°59	M14
T 15	4 7 39	0 ²⁷ 53'49	23°42	11°46	17°54	22°40	0°46	24°13	20° 0	24°24	12°38	27°R26	27° 2	20°29	13°59	T 15
W16	4 11 35	1°54'41	8 ¹¹ 18	12°15	18°58	22°20	0°38	24°13	20° 3	24°22	12°37	27°26	26°58	20°35	13°59	W16
T 17	4 15 32	2°55'34	23° 5	12°52	20° 2	22° 0	0°30	24°12	20° 6	24°20	12°35	27°26	26°55	20°42	14° 0	T 17
F 18	4 19 28	3°56'28	7 ²⁸ 55	13°36	21° 5	21°40	0°22	24°12	20° 8	24°19	12°34	27°25	26°52	20°49	14° 0	F 18
S 19	4 23 25	4°57'24	22°42	14°27	22° 8	21°19	0°14	24°D12	20°11	24°17	12°33	27°25	26°49	20°55	14°R 0	S 19
S 20	4 27 21	5°58'21	7 ²⁸ 19	15°22	23°11	20°57	0° 5	24°12	20°14	24°16	12°32	27°24	26°46	21° 2	14° 0	S 20
M21	4 31 18	6°59'19	21°40	16°22	24°14	20°35	29 ²⁸ 57	24°12	20°17	24°14	12°31	27°23	26°43	21° 9	14° 0	M21
T 22	4 35 14	8° 0'18	5 ¹¹ 43	17°27	25°16	20°13	29°49	24°12	20°19	24°13	12°30	27°D23	26°39	21°15	14° 0	T 22
W23	4 39 11	9° 1'19	19°27	18°34	26°18	19°50	29°41	24°13	20°22	24°11	12°29	27°23	26°36	21°22	13°59	W23
T 24	4 43 8	10° 2'20	2 ²¹ 53	19°45	27°20	19°27	29°33	24°13	20°25	24° 9	12°27	27°23	26°33	21°29	13°59	T 24
F 25	4 47 4	11° 3'23	16° 1	20°59	28°21	19° 4	29°25	24°14	20°28	24° 8	12°26	27°25	26°30	21°36	13°58	F 25
S 26	4 51 1	12° 4'27	28°53	22°15	29°21	18°40	29°18	24°15	20°31	24° 6	12°25	27°26	26°27	21°42	13°57	S 26
S 27	4 54 57	13° 5'32	11 ¹¹ 32	23°33	0 ²⁸ 22	18°17	29°10	24°15	20°34	24° 4	12°24	27°27	26°23	21°49	13°57	S 27
M28	4 58 54	14° 6'37	23°59	24°52	1°22	17°53	29° 2	24°16	20°37	24° 3	12°23	27°R28	26°20	21°56	13°56	M28
T 29	5 2 50	15° 7'44	6 ²⁷ 15	26°13	2°21	17°29	28°55	24°17	20°40	24° 1	12°22	27°27	26°17	22° 2	13°55	T 29
W30	5 6 47	16 ²⁷ 8'51	18 ²⁷ 23	27 ¹¹ 36	3 ²⁸ 20	17 ¹¹ 6	28 ²⁸ 47	24 ¹¹ 18	20 ²⁸ 43	23 ¹¹ 59	12 ¹¹ 20	27 ⁸ 26	26 ⁸ 14	22 ²⁸ 9	13 ¹² 54	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
T 1	16s53	19s42	0s 1	18s29	0s17	26s22	2s52	24n46	1n18	19n50	0s57	4s32	2s33	22s35	0s30	22n10	1s15	13n32	8s57	19n38	19n44	26s 9	10n15	6s48			
W 2	17 11	23 9	1 9	17 48	0n 4	26 21	2 53	24 48	1 21	19 48	0 56	4 32	2 32	22 35	0 30	22 10	1 15	13 32	8 57	19 38	19 43	26 9	10 13	6 49			
T 3	17 27	25 29	2 13	17 6	0 24	26 19	2 54	24 51	1 24	19 47	0 56	4 33	2 32	22 35	0 30	22 10	1 15	13 32	8 57	19 38	19 42	26 8	10 12	6 50			
F 4	17 44	26 37	3 10	16 24	0 44	26 17	2 54	24 53	1 27	19 46	0 56	4 33	2 32	22 34	0 30	22 10	1 15	13 32	8 57	19 39	19 41	26 8	10 11	6 50			
S 5	18 0	26 30	3 58	15 44	1 4	26 14	2 54	24 56	1 30	19 44	0 56	4 34	2 32	22 34	0 30	22 10	1 15	13 32	8 57	19 39	19 41	26 7	10 10	6 51			
S 6	18 16	25 11	4 36	15 6	1 21	26 10	2 55	24 58	1 33	19 43	0 56	4 34	2 32	22 34	0 30	22 10	1 15	13 32	8 57	19 39	19 40	26 7	10 9	6 52			
M 7	18 32	22 46	5 2	14 31	1 38	26 6	2 55	25 1	1 36	19 41	0 56	4 34	2 31	22 33	0 30	22 10	1 15	13 31	8 57	19 39	19 39	26 6	10 8	6 52			
T 8	18 47	19 21	5 16	14 1	1 52	26 1	2 55	25 3	1 39	19 40	0 56	4 35	2 31	22 33	0 30	22 9	1 15	13 31	8 57	19 39	19 39	26 6	10 7	6 53			
W 9	19 2	15 5	5 16	13 36	2 4	25 55	2 54	25 6	1 42	19 38	0 56	4 35	2 31	22 33	0 30	22 9	1 15	13 31	8 57	19 39	19 38	26 5	10 6	6 54			
T 10	19 17	10 7	5 1	13 16	2 14	25 49	2 54	25 8	1 45	19 36	0 56	4 35	2 31	22 32	0 30	22 9	1 15	13 31	8 57	19 39	19 37	26 5	10 5	6 54			
F 11	19 31	4 37	4 31	13 2	2 22	25 42	2 53	25 10	1 48	19 35	0 56	4 35	2 30	22 32	0 30	22 9	1 15	13 31	8 57	19 39	19 36	26 4	10 4	6 55			
S 12	19 45	1n15	3 47	12 53	2 28	25 34	2 53	25 12	1 51	19 33	0 56	4 35	2 30	22 32	0 30	22 9	1 15	13 31	8 57	19 39	19 36	26 4	10 3	6 56			
S 13	19 58	7 16	2 48	12 50	2 32	25 26	2 52	25 14	1 54	19 32	0 55	4 35	2 30	22 31	0 29	22 9	1 15	13 30	8 57	19 39	19 35	26 3	10 2	6 57			
M14	20 12	13 7	1 39	12 51	2 35	25 17	2 51	25 16	1 56	19 30	0 55	4 36	2 30	22 31	0 29	22 9	1 15	13 30	8 57	19 39	19 34	26 3	10 1	6 57			
T 15	20 24	18 25	0 21	12 56	2 36	25 8	2 50	25 18	1 59	19 29	0 55	4 36	2 30	22 30	0 29	22 9	1 15	13 30	8 57	19 39	19 33	26 2	10 1	6 58			
W16	20 37	22 45	1n 0	13 6	2 36	24 57	2 49	25 20	2 2	19 27	0 55	4 35	2 29	22 30	0 29	22 9	1 15	13 30	8 57	19 39	19 33	26 2	10 0	6 59			
T 17	20 49	25 38	2 18	13 18	2 34	24 47	2 47	25 21	2 5	19 26	0 55	4 35	2 29	22 30	0 29	22 9	1 15	13 30	8 57	19 39	19 32	26 1	9 59	6 59			
F 18	21 0	26 43	3 26	13 34	2 32	24 35	2 46	25 23	2 8	19 24	0 55	4 35	2 29	22 29	0 29	22 9	1 15	13 30	8 57	19 39	19 31	26 1	9 58	7 0			
S 19	21 12	25 53	4 21	13 52	2 28	24 23	2 44	25 24	2 10	19 22	0 55	4 35	2 29	22 29	0 29	22 9	1 15	13 30	8 57	19 39	19 31	26 0	9 58	7 1			
S 20	21 22	23 18	4 58	14 12	2 24	24 11	2 42	25 25	2 13	19 21	0 54	4 35	2 28	22 28	0 29	22 9	1 15	13 30	8 57	19 39	19 30	26 0	9 57	7 1			
M21	21 33	19 18	5 15	14 34	2 19	23 58	2 40	25 26	2 16	19 19	0 54	4 35	2 28	22 28	0 29	22 9	1 15	13 29	8 57	19 38	19 29	25 59	9 56	7 2			
T 22	21 43	14 18	5 14	14 57	2 14	23 44	2 38	25 27	2 18	19 18	0 54	4 34	2 28	22 28	0 29	22 8	1 15	13 29	8 57	19 38	19 28	25 59	9 56	7 3			
W23	21 52	8 41	4 54	15 21	2 8	23 30	2 36	25 28	2 21	19 16	0 54	4 34	2 28	22 27	0 29	22 8	1 15	13 29	8 57	19 38	19 28	25 58	9 55	7 3			
T 24	22 2	2 48	4 18	15 47	2 2	23 16	2 33	25 29	2 23	19 15	0 54	4 33	2 28	22 27	0 29	22 8	1 15	13 29	8 57	19 38	19 27	25 57	9 55	7 4			
F 25	22 10	3s 6	3 30	16 12	1 55	23 1	2 30	25 29	2 26	19 13	0 54	4 33	2 27	22 26	0 29	22 8	1 15	13 29	8 57	19 39	19 26	25 57	9 54	7 5			
S 26	22 19	8 45	2 32	16 39	1 48	22 45	2 27	25 30	2 28	19 12	0 53	4 33	2 27	22 26	0 29	22 8	1 15	13 29	8 57	19 39	19 25	25 56	9 54	7 5			
S 27	22 27	13 58	1 27	17 5	1 41	22 29	2 24	25 30	2 30	19 10	0 53	4 32	2 27	22 25	0 29	22 8	1 15	13 29	8 57	19 39	19 25	25 56	9 54	7 6			
M28	22 34	18 31	0 19	17 32	1 34	21 13	2 21	25 30	2 33	19 9	0 53	4 31	2 27	22 25	0 29	22 8	1 15	13 29	8 57	19 39	19 24	25 55	9 53	7 7			
T 29	22 41	22 13	0s48	17 58	1 27	22 56	2 18	25 30	2 35	19 7	0 53	4 31	2 26	22 24	0 29	22 8	1 15	13 29	8 57	19 39	19 23	25 54	9 53	7 7			
W30	22s48	24s53	1s53	18s24	1n19	21s38	2s14	25n29	2n37	19n 6	0s53	4s30	2s26	22s24	0s29	22n 8	1s15	13n29	8s57	19n39	19n22	25s54	9n53	7s 8			

ASTRODIENST EPHEMERIS for the year 1407
geocentric

DECEMBER 1407 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 10 43	17°59'59	0°24'24	28°59'59	4°19'19	16°42'42	28°40'40	24°20'20	20°46'46	23°58'58	12°19'19	27°24'24	26°11'11	22°16'16	13°52'52	T 1
F 2	5 14 40	18°11'07	12°19'19	0°24'24	5°17'17	16°42'42	28°40'40	24°20'20	20°46'46	23°58'58	12°19'19	27°24'24	26°11'11	22°16'16	13°52'52	F 2
S 3	5 18 37	19°12'16	24°10'10	1°50'50	6°15'15	15°55'55	28°25'25	24°22'22	20°52'52	23°54'54	12°17'17	27°17'17	26°04'04	22°29'29	13°50'50	S 3
S 4	5 22 33	20°13'25	6°00'00	3°16'16	7°12'12	15°32'32	28°18'18	24°24'24	20°55'55	23°53'53	12°16'16	27°13'13	26°01'01	22°36'36	13°48'48	S 4
M 5	5 26 30	21°14'35	17°51'51	4°43'43	8°08'08	15°10'10	28°11'11	24°26'26	20°59'59	23°51'51	12°15'15	27°09'09	25°58'58	22°43'43	13°46'46	M 5
T 6	5 30 26	22°15'44	29°48'48	6°11'11	9°04'04	14°47'47	28°04'04	24°27'27	21°02'02	23°49'49	12°13'13	27°06'06	25°55'55	22°49'49	13°45'45	T 6
W 7	5 34 23	23°16'54	11°53'53	7°39'39	9°59'59	14°25'25	27°58'58	24°29'29	21°05'05	23°47'47	12°12'12	27°04'04	25°52'52	22°56'56	13°43'43	W 7
T 8	5 38 19	24°18'03	24°13'13	9°07'07	10°54'54	14°03'03	27°51'51	24°31'31	21°08'08	23°46'46	12°11'11	27°04'04	25°49'49	23°03'03	13°41'41	T 8
F 9	5 42 16	25°19'13	6°50'50	10°37'37	11°48'48	13°42'42	27°45'45	24°33'33	21°11'11	23°44'44	12°10'10	27°04'04	25°45'45	23°09'09	13°39'39	F 9
S 10	5 46 12	26°20'23	19°49'49	12°06'06	12°42'42	13°21'21	27°38'38	24°36'36	21°15'15	23°42'42	12°09'09	27°06'06	25°42'42	23°16'16	13°37'37	S 10
S 11	5 50 09	27°21'33	3°15'15	13°36'36	13°34'34	13°01'01	27°32'32	24°38'38	21°18'18	23°41'41	12°08'08	27°07'07	25°39'39	23°23'23	13°34'34	S 11
M 12	5 54 06	28°22'42	17°08'08	15°07'07	14°26'26	12°41'41	27°26'26	24°40'40	21°21'21	23°39'39	12°07'07	27°09'09	25°36'36	23°29'29	13°32'32	M 12
T 13	5 58 02	29°23'52	1°12'12	16°37'37	15°17'17	12°22'22	27°20'20	24°43'43	21°25'25	23°37'37	12°05'05	27°09'09	25°33'33	23°36'36	13°29'29	T 13
W 14	6 01 59	0°25'02	16°14'14	18°08'08	16°08'08	12°04'04	27°15'15	24°45'45	21°28'28	23°36'36	12°04'04	27°08'08	25°29'29	23°43'43	13°27'27	W 14
T 15	6 05 55	1°26'12	1°17'17	19°40'40	16°57'57	11°46'46	27°09'09	24°48'48	21°31'31	23°34'34	12°03'03	27°05'05	25°26'26	23°50'50	13°24'24	T 15
F 16	6 09 52	2°27'22	16°30'30	21°12'12	17°46'46	11°29'29	27°04'04	24°51'51	21°35'35	23°32'32	12°02'02	27°00'00	25°23'23	23°56'56	13°22'22	F 16
S 17	6 13 48	3°28'32	1°42'42	22°44'44	18°34'34	11°12'12	26°58'58	24°54'54	21°38'38	23°31'31	12°01'01	26°55'55	25°20'20	24°03'03	13°19'19	S 17
S 18	6 17 45	4°29'42	16°43'43	24°16'16	19°21'21	10°57'57	26°53'53	24°57'57	21°42'42	23°29'29	12°00'00	26°49'49	25°17'17	24°10'10	13°16'16	S 18
M 19	6 21 42	5°30'52	1°12'12	25°49'49	20°07'07	10°42'42	26°48'48	25°00'00	21°45'45	23°27'27	11°59'59	26°44'44	25°14'14	24°16'16	13°13'13	M 19
T 20	6 25 38	6°32'02	15°41'41	27°23'23	20°52'52	10°27'27	26°44'44	25°03'03	21°48'48	23°26'26	11°58'58	26°40'40	25°10'10	24°23'23	13°10'10	T 20
W 21	6 29 35	7°33'12	29°32'32	28°56'56	21°35'35	10°14'14	26°39'39	25°06'06	21°52'52	23°24'24	11°57'57	26°38'38	25°07'07	24°30'30	13°07'07	W 21
T 22	6 33 31	8°34'23	12°56'56	0°30'30	22°18'18	10°01'01	26°35'35	25°10'10	21°55'55	23°22'22	11°56'56	26°38'38	25°04'04	24°36'36	13°03'03	T 22
F 23	6 37 28	9°35'33	25°57'57	2°05'05	23°00'00	9°49'49	26°31'31	25°13'13	21°59'59	23°21'21	11°55'55	26°39'39	25°01'01	24°43'43	13°00'00	F 23
S 24	6 41 24	10°36'44	8°13'13	3°40'40	23°40'40	9°38'38	26°27'27	25°17'17	22°02'02	23°19'19	11°54'54	26°41'41	24°58'58	24°50'50	12°57'57	S 24
S 25	6 45 21	11°37'54	21°02'02	5°15'15	24°20'20	9°27'27	26°23'23	25°20'20	22°06'06	23°17'17	11°53'53	26°44'44	24°55'55	24°57'57	12°53'53	S 25
M 26	6 49 17	12°39'05	3°14'14	6°51'51	24°58'58	9°18'18	26°19'19	25°24'24	22°09'09	23°16'16	11°52'52	26°42'42	24°51'51	25°03'03	12°50'50	M 26
T 27	6 53 14	13°40'15	15°18'18	8°27'27	25°34'34	9°09'09	26°16'16	25°28'28	22°13'13	23°14'14	11°51'51	26°40'40	24°48'48	25°10'10	12°46'46	T 27
W 28	6 57 11	14°41'25	27°15'15	10°04'04	26°10'10	9°01'01	26°13'13	25°32'32	22°16'16	23°13'13	11°50'50	26°35'35	24°45'45	25°17'17	12°42'42	W 28
T 29	7 01 07	15°42'35	9°09'09	11°41'41	26°44'44	8°54'54	26°10'10	25°36'36	22°20'20	23°11'11	11°49'49	26°28'28	24°42'42	25°23'23	12°38'38	T 29
F 30	7 05 04	16°43'44	21°00'00	13°18'18	27°16'16	8°48'48	26°07'07	25°40'40	22°23'23	23°10'10	11°48'48	26°19'19	24°39'39	25°30'30	12°35'35	F 30
S 31	7 09 00	17°44'52	2°55'55	14°35'35	27°47'47	8°42'42	26°04'04	25°44'44	22°26'26	23°08'08	11°47'47	26°18'18	24°35'35	25°33'33	12°31'31	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	22s54	26s23	2s52	18s50	1n12	21s21	2s10	25n29	2n39	19n 4	0s53	4s29	2s26	22s23	0s29	22n 8
F 2	22 59	26 38	3 43	19 16	1 4	21 3	2 6	25 28	2 41	19 3	0 52	4 29	2 26	22 23	0 29	22 8
S 3	23 5	25 40	4 23	19 41	0 56	20 44	2 2	25 28	2 42	19 2	0 52	4 28	2 25	22 22	0 29	22 8
S 4	23 9	23 33	4 53	20 5	0 49	20 25	1 57	25 27	2 44	19 0	0 52	4 27	2 25	22 22	0 29	22 8
M 5	23 14	20 26	5 10	20 29	0 41	20 6	1 52	25 26	2 46	18 59	0 52	4 26	2 25	22 21	0 29	22 7
T 6	23 17	16 28	5 14	20 52	0 33	19 47	1 48	25 25	2 47	18 57	0 52	4 25	2 25	22 21	0 29	22 7
W 7	23 21	11 48	5 4	21 14	0 26	19 27	1 43	25 24	2 49	18 56	0 51	4 24	2 24	22 20	0 29	22 7
T 8	23 24	6 35	4 39	21 35	0 18	19 7	1 37	25 23	2 50	18 55	0 51	4 23	2 24	22 20	0 29	22 7
F 9	23 26	0 59	4 2	21 56	0 11	18 46	1 32	25 21	2 52	18 54	0 51	4 22	2 24	22 19	0 29	22 7
S 10	23 28	4n50	3 10	22 15	0 4	18 26	1 26	25 20	2 53	18 52	0 51	4 21	2 24	22 19	0 29	22 7
S 11	23 29	10 39	2 7	22 34	0s 3	18 5	1 20	25 19	2 54	18 51	0 50	4 20	2 24	22 18	0 29	22 7
M 12	23 30	16 8	0 55	22 51	0 11	17 44	1 14	25 17	2 55	18 50	0 50	4 19	2 23	22 18	0 29	22 7
T 13	23 31	20 55	0n24	23 8	0 18	17 22	1 7	25 16	2 56	18 49	0 50	4 18	2 23	22 17	0 29	22 7
W 14	23 31	24 30	1 42	23 23	0 24	17 1	1 1	25 14	2 57	18 48	0 50	4 16	2 23	22 17	0 29	22 7
T 15	23 31	26 26	2 55	23 38	0 31	16 39	0 54	25 12	2 58	18 47	0 50	4 15	2 23	22 16	0 29	22 7
F 16	23 30	26 25	3 57	23 51	0 38	16 18	0 47	25 11	2 59	18 46	0 49	4 14	2 22	22 16	0 29	22 7
S 17	23 28	24 25	4 41	24 3	0 44	15 56	0 39	25 9	2 59	18 45	0 49	4 12	2 22	22 15	0 29	22 7
S 18	23 26	20 44	5 6	24 14	0 50	15 34	0 32	25 7	3 0	18 44	0 49	4 11	2 22	22 15	0 29	22 7
M 19	23 24	15 49	5 10	24 23	0 56	15 12	0 24	25 6	3 0	18 43	0 49	4 10	2 22	22 14	0 29	22 7
T 20	23 21	10 10	4 54	24 32	1 2	14 50	0 16	25 4	3 1	18 42	0 48	4 8	2 22	22 14	0 29	22 6
W 21	23 18	4 11	4 21	24 39	1 8	14 28	0 7	25 3	3 1	18 41	0 48	4 7	2 21	22 13	0 29	22 6
T 22	23 14	1s49	3 35	24 44	1 13	14 6	0n 1	25 1	3 2	18 41	0 48	4 5	2 21	22 12	0 29	22 6
F 23	23 10	7 35	2 39	24 49	1 18	13 44	0 10	24 59	3 2	18 40	0 48	4 4	2 21	22 12	0 29	22 6
S 24	23 6	12 54	1 36	24 51	1 23	13 22	0 19	24 58	3 2	18 39	0 47	4 2	2 21	22 11	0 29	22 6
S 25	23 0	17 35	0 31	24 53	1 28	13 0	0 29	24 56	3 2	18 39	0 47	4 0	2 20	22 11	0 29	22 6
M 26	22 55	21 27	0s35	24 53	1 33	12 38	0 39	24 55	3 2	18 38	0 47	3 59	2 20	22 10	0 29	22 6
T 27	22 49	24 20	1 39	24 52	1 37	12 17	0 49	24 54	3 2	18 37	0 47	3 57	2 20	22 10	0 29	22 6
W 28	22 42	26 6	2 37	24 49	1 41	11 55	0 59	24 52	3 2	18 37	0 46	3 55	2 20	22 9	0 29	22 6
T 29	22 35	26 40	3 28	24 45	1 45	11 34	1 9	24 51	3 2	18 37	0 46	3 53	2 20	22 9	0 29	22 6
F 30	22 28	25 59	4 10	24 39	1 48	11 12	1 20	24 50	3 2	18 36	0 46	3 51	2 19	22 8	0 29	22 6
S 31	22s20	24s 8	4s41	24s31	1s52	10s52	1n31	24n49	3n 2	18n36	0s46	3s50	2s19	22s 7	0s29	22n 6

Julian Day Number = 2235298.5, Delta T = 07m40s

Ecliptic obliquity = 23°31'03", Nutation = - 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°28'51", Lahiri = 15°35'51" Julian Calendar 1 Dec. 1407 == Greg. Calendar 10 Dec. 1407