



Astrodienst Ephemeris Tables for the year 1443

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 1443

geocentric

JANUARY 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 15 0	19°16'33	13°56	7°33	4°27	24°31	5°35	11°R43	12°R 2	12°R31	23°R 3	8°R13	7°34	10°2	24°V59	T 1
W 2	7 18 57	20°17'40	25°44	8° 5	5°35	25°18	5°37	11°II40	12°II 0	12°II30	23°II 2	8°II12	7°31	10° 9	24°59	W 2
T 3	7 22 53	21°18'47	7°37	8°28	6°43	26° 5	5°39	11°37	11°58	12°29	23° 0	8°11	7°28	10°15	25° 0	T 3
F 4	7 26 50	22°19'53	19°35	8°39	7°50	26°53	5°42	11°33	11°56	12°29	22°59	8° 9	7°25	10°22	25° 0	F 4
S 5	7 30 46	23°20'58	1°41	8°R40	8°57	27°40	5°44	11°30	11°55	12°28	22°58	8° 7	7°21	10°29	25° 1	S 5
S 6	7 34 43	24°22'02	13°57	8°29	10° 4	28°27	5°47	11°27	11°53	12°27	22°56	8° 4	7°18	10°35	25° 1	S 6
M 7	7 38 39	25°23'05	26°26	8° 6	11°11	29°14	5°50	11°25	11°51	12°26	22°55	8° 2	7°15	10°42	25° 2	M 7
T 8	7 42 36	26°24'07	9°V10	7°33	12°18	0° 1	5°54	11°22	11°50	12°25	22°54	8° 0	7°12	10°49	25° 3	T 8
W 9	7 46 32	27°25'08	22°13	6°48	13°24	0°49	5°57	11°19	11°48	12°24	22°52	7°D59	7° 9	10°55	25° 3	W 9
T 10	7 50 29	28°26'08	5°37	5°54	14°30	1°36	6° 1	11°17	11°47	12°22	22°51	7°59	7° 5	11° 2	25° 4	T 10
F 11	7 54 25	29°27'07	19°24	4°52	15°35	2°23	6° 5	11°14	11°45	12°21	22°50	8° 0	7° 2	11° 9	25° 5	F 11
S 12	7 58 22	0°28'04	3°II35	3°44	16°41	3°10	6° 9	11°12	11°44	12°20	22°48	8° 2	6°59	11°15	25° 6	S 12
S 13	8 2 19	1°29'01	18° 8	2°31	17°46	3°58	6°13	11° 9	11°42	12°19	22°47	8° 3	6°56	11°22	25° 7	S 13
M14	8 6 15	2°29'56	3° 1	1°17	18°51	4°45	6°18	11° 7	11°41	12°18	22°46	8°R 4	6°53	11°29	25° 8	M14
T 15	8 10 12	3°30'49	18° 6	0° 2	19°55	5°32	6°22	11° 5	11°39	12°17	22°44	8° 4	6°50	11°35	25° 9	T 15
W16	8 14 8	4°31'42	3°II16	28°350	21° 0	6°20	6°27	11° 3	11°38	12°16	22°43	8° 2	6°46	11°42	25°11	W16
T 17	8 18 5	5°32'33	18°20	27°42	22° 4	7° 7	6°32	11° 1	11°37	12°14	22°42	7°59	6°43	11°49	25°12	T 17
F 18	8 22 1	6°33'24	3°II10	26°39	23° 7	7°54	6°37	11° 0	11°36	12°13	22°40	7°55	6°40	11°55	25°13	F 18
S 19	8 25 58	7°34'13	17°39	25°43	24°11	8°42	6°43	10°58	11°35	12°12	22°39	7°51	6°37	12° 2	25°15	S 19
S 20	8 29 55	8°35'01	1°40	24°55	25°13	9°29	6°48	10°57	11°34	12°10	22°38	7°46	6°34	12° 8	25°16	S 20
M21	8 33 51	9°35'48	15°13	24°15	26°16	10°16	6°54	10°55	11°33	12° 9	22°36	7°43	6°31	12°15	25°17	M21
T 22	8 37 48	10°36'34	28°18	23°43	27°18	11° 4	7° 0	10°54	11°32	12° 8	22°35	7°40	6°27	12°22	25°19	T 22
W23	8 41 44	11°37'19	10°II58	23°19	28°20	11°51	7° 6	10°53	11°31	12° 6	22°34	7°D40	6°24	12°28	25°21	W23
T 24	8 45 41	12°38'04	23°17	23° 4	29°22	12°38	7°12	10°52	11°30	12° 5	22°33	7°40	6°21	12°35	25°22	T 24
F 25	8 49 37	13°38'47	5°21	22°56	0°V23	13°26	7°18	10°51	11°29	12° 4	22°31	7°42	6°18	12°42	25°24	F 25
S 26	8 53 34	14°39'29	17°14	22°D56	1°23	14°13	7°25	10°50	11°28	12° 2	22°30	7°43	6°15	12°48	25°26	S 26
S 27	8 57 30	15°40'09	29° 1	23° 3	2°23	15° 1	7°32	10°49	11°27	12° 1	22°29	7°45	6°11	12°55	25°28	S 27
M28	9 1 27	16°40'49	10°347	23°16	3°23	15°48	7°38	10°48	11°27	11°59	22°28	7°R45	6° 8	13° 2	25°29	M28
T 29	9 5 24	17°41'27	22°35	23°36	4°22	16°35	7°45	10°48	11°26	11°58	22°27	7°44	6° 5	13° 8	25°31	T 29
W30	9 9 20	18°42'04	4°28	24° 1	5°21	17°23	7°53	10°47	11°26	11°56	22°25	7°41	6° 2	13°15	25°33	W30
T 31	9 13 17	19°42'39	16°28	24°31	6°V20	18°10	8° 0	10°II47	11°II25	11°II55	22°24	7°35	5°59	13°22	25°V35	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s 7	23s18	0s32	18s16	0n11	10s53	1s 3	22s18	1s 3	12n24	1s 5	20n46	1s31	22n20	0n 2	7n53
W 2	21 58	22 38	1 36	17 52	0 27	10 24	0 59	22 10	1 3	12 25	1 4	20 46	1 30	22 20	0 2	7 53
T 3	21 49	20 56	2 36	17 30	0 44	9 55	0 55	22 1	1 3	12 26	1 4	20 45	1 30	22 20	0 2	7 53
F 4	21 39	18 18	3 30	17 9	1 2	9 26	0 51	21 53	1 3	12 28	1 4	20 45	1 30	22 20	0 2	7 54
S 5	21 29	14 52	4 15	16 52	1 20	8 57	0 46	21 43	1 3	12 29	1 3	20 45	1 30	22 19	0 2	7 54
S 6	21 19	10 46	4 49	16 37	1 38	8 28	0 42	21 34	1 3	12 30	1 3	20 45	1 29	22 19	0 2	7 54
M 7	21 8	6 9	5 10	16 25	1 57	7 58	0 38	21 24	1 4	12 31	1 3	20 45	1 29	22 19	0 2	7 55
T 8	20 56	1 12	5 16	16 16	2 14	7 29	0 33	21 15	1 4	12 33	1 2	20 44	1 29	22 19	0 2	7 55
W 9	20 44	3n56	5 6	16 11	2 31	6 59	0 28	21 4	1 4	12 34	1 2	20 44	1 29	22 18	0 2	7 56
T 10	20 32	9 2	4 40	16 9	2 47	6 29	0 24	20 54	1 4	12 36	1 2	20 44	1 29	22 18	0 2	7 56
F 11	20 20	13 49	3 57	16 11	3 1	5 59	0 19	20 44	1 4	12 37	1 2	20 44	1 28	22 18	0 2	7 57
S 12	20 7	18 0	2 59	16 15	3 13	5 29	0 14	20 33	1 4	12 39	1 1	20 44	1 28	22 18	0 2	7 57
S 13	19 53	21 11	1 48	16 21	3 23	4 59	0 9	20 22	1 4	12 41	1 1	20 44	1 28	22 18	0 2	7 58
M14	19 40	23 1	0 28	16 30	3 31	4 29	0 4	20 10	1 4	12 42	1 1	20 44	1 28	22 17	0 2	7 58
T 15	19 26	23 12	0n55	16 41	3 36	3 59	0n 2	19 59	1 4	12 44	1 0	20 44	1 27	22 17	0 2	7 59
W16	19 11	21 40	2 14	16 53	3 39	3 28	0 7	19 47	1 4	12 46	1 0	20 44	1 27	22 17	0 2	7 59
T 17	18 56	18 36	3 24	17 7	3 39	2 58	0 13	19 35	1 5	12 48	1 0	20 44	1 27	22 17	0 2	8 0
F 18	18 41	14 23	4 18	17 20	3 37	2 28	0 18	19 23	1 5	12 50	1 0	20 44	1 27	22 17	0 2	8 0
S 19	18 26	9 24	4 54	17 35	3 33	1 57	0 24	19 11	1 5	12 52	0 59	20 44	1 27	22 17	0 2	8 1
S 20	18 10	4 6	5 12	17 49	3 27	1 27	0 30	18 58	1 5	12 54	0 59	20 44	1 26	22 17	0 2	8 1
M21	17 54	1s14	5 11	18 3	3 20	0 57	0 36	18 46	1 5	12 56	0 59	20 44	1 26	22 16	0 2	8 2
T 22	17 38	6 20	4 53	18 17	3 11	0 26	0 41	18 33	1 5	12 58	0 58	20 44	1 26	22 16	0 2	8 2
W23	17 21	11 0	4 22	18 31	3 1	0n 4	0 48	18 19	1 5	13 0	0 58	20 44	1 26	22 16	0 2	8 3
T 24	17 4 15	6 3	4 40	18 43	2 51	0 34	0 54	18 6	1 5	13 3	0 58	20 44	1 25	22 16	0 2	8 3
F 25	16 47	18 30	2 48	18 56	2 40	1 4	1 0	17 53	1 5	13 5	0 58	20 44	1 25	22 16	0 2	8 4
S 26	16 29	21 4	1 50	19 7	2 29	1 34	1 6	17 39	1 5	13 7	0 57	20 44	1 25	22 16	0 2	8 4
S 27	16 11	22 43	0 48	19 17	2 17	2 4	1 13	17 25	1 5	13 10	0 57	20 44	1 25	22 16	0 2	8 5
M28	15 53	23 21	0s17	19 27	2 5	2 34	1 19	17 11	1 5	13 12	0 57	20 44	1 24	22 16	0 2	8 6
T 29	15 35	22 56	1 20	19 36	1 53	3 3	1 26	16 57	1 5	13 15	0 57	20 45	1 24	22 16	0 2	8 6
W30	15 16	21 28	2 20	19 43	1 41	3 33	1 32	16 42	1 5	13 17	0 56	20 45	1 24	22 16	0 2	8 7
T 31	14s57	19s 2	3s15	19s50	1n29	4n 2	1n39	16s27	1s 5	13n20	0s56	20n45	1s24	22n15	0n 2	8n 7

Julian Day Number = 2248113.5, Delta T = 06m42s

Ecliptic obliquity = 23°30'40, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°58'11, Lahiri = 16°05'11 Julian Calendar 1 Jan. 1443 == Greg. Calendar 10 Jan. 1443

ASTRODIENST EPHEMERIS for the year 1443

geocentric

FEBRUARY 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	9 17 13	20 ⁴³ 13	28 ³⁸ 38	25 ³ 6	7 ¹⁷ 17	18 ⁵⁸ 58	8 ⁷ 7	10 ⁴⁷ 47	11 ²⁵ 25	11 ⁵³ 53	22 ²³ 23	7 ²⁸ 28	5 ⁵⁶ 56	13 ²⁸ 28	25 ³⁸ 38	F 1
S 2	9 21 10	21 ⁴³ 45	10 ⁵⁸ 58	25 ⁴⁶ 46	8 ¹⁵ 15	19 ⁴⁵ 45	8 ¹⁵ 15	10 ⁴⁷ 47	11 ²⁴ 24	11 ⁵² 52	22 ²² 22	7 ²⁰ 20	5 ⁵² 52	13 ³⁵ 35	25 ⁴⁰ 40	S 2
S 3	9 25 6	22 ⁴⁴ 15	23 ³⁰ 30	26 ³⁰ 30	9 ¹¹ 11	20 ³³ 33	8 ²³ 23	10 ⁴⁷ 47	11 ²⁴ 24	11 ⁵⁰ 50	22 ²¹ 21	7 ¹¹ 11	5 ⁴⁹ 49	13 ⁴¹ 41	25 ⁴² 42	S 3
M 4	9 29 3	23 ⁴⁴ 44	6 ¹³ 13	27 ¹⁸ 18	10 ⁸ 8	21 ²⁰ 20	8 ³¹ 31	10 ⁴⁷ 47	11 ²³ 23	11 ⁴⁹ 49	22 ²⁰ 20	7 ³ 3	5 ⁴⁶ 46	13 ⁴⁸ 48	25 ⁴⁴ 44	M 4
T 5	9 32 59	24 ⁴⁵ 11	19 ⁸ 8	28 ⁹ 9	11 ³ 3	22 ⁷ 7	8 ³⁹ 39	10 ⁴⁷ 47	11 ²³ 23	11 ⁴⁷ 47	22 ¹⁹ 19	6 ⁵⁶ 56	5 ⁴³ 43	13 ⁵⁵ 55	25 ⁴⁶ 46	T 5
W 6	9 36 56	25 ⁴⁵ 36	2 ¹⁷ 17	29 ³ 3	11 ⁵⁸ 58	22 ⁵⁵ 55	8 ⁴⁷ 47	10 ⁴⁸ 48	11 ²³ 23	11 ⁴⁵ 45	22 ¹⁷ 17	6 ⁵¹ 51	5 ⁴⁰ 40	14 ¹ 1	25 ⁴⁹ 49	W 6
T 7	9 40 52	26 ⁴⁵ 58	15 ⁴¹ 41	0 ⁰ 0	12 ⁵³ 53	23 ⁴² 42	8 ⁵⁵ 55	10 ⁴⁸ 48	11 ²³ 23	11 ⁴⁴ 44	22 ¹⁶ 16	6 ⁴⁹ 49	5 ³⁷ 37	14 ⁸ 8	25 ⁵¹ 51	T 7
F 8	9 44 49	27 ⁴⁶ 19	29 ²¹ 21	1 ⁰ 0	13 ⁴⁶ 46	24 ²⁹ 29	9 ⁴ 4	10 ⁴⁹ 49	11 ²³ 23	11 ⁴² 42	22 ¹⁵ 15	6 ⁴⁸ 48	5 ³³ 33	14 ¹⁵ 15	25 ⁵⁴ 54	F 8
S 9	9 48 46	28 ⁴⁶ 38	13 ¹¹ 11	2 ³ 3	14 ³⁹ 39	25 ¹⁷ 17	9 ¹² 12	10 ⁵⁰ 50	11 ²³ 23	11 ⁴¹ 41	22 ¹⁴ 14	6 ⁴⁹ 49	5 ³⁰ 30	14 ²¹ 21	25 ⁵⁶ 56	S 9
S 10	9 52 42	29 ⁴⁶ 55	27 ³² 32	3 ⁸ 8	15 ³¹ 31	26 ⁴ 4	9 ²¹ 21	10 ⁵⁰ 50	11 ²³ 23	11 ³⁹ 39	22 ¹³ 13	6 ⁵⁰ 50	5 ²⁷ 27	14 ²⁸ 28	25 ⁵⁹ 59	S 10
M 11	9 56 39	0 ⁴⁷ 10	12 ²² 22	4 ¹⁵ 15	16 ²³ 23	26 ⁵² 52	9 ³⁰ 30	10 ⁵¹ 51	11 ²³ 23	11 ³⁷ 37	22 ¹² 12	6 ⁵⁰ 50	5 ²⁴ 24	14 ³⁵ 35	26 ¹ 1	M 11
T 12	10 0 35	1 ⁴⁷ 23	26 ⁴⁵ 45	5 ²⁵ 25	17 ¹⁴ 14	27 ³⁹ 39	9 ³⁹ 39	10 ⁵² 52	11 ²³ 23	11 ³⁶ 36	22 ¹¹ 11	6 ⁴⁸ 48	5 ²¹ 21	14 ⁴¹ 41	26 ⁴ 4	T 12
W 13	10 4 32	2 ⁴⁷ 34	11 ²³ 23	6 ³⁶ 36	18 ⁴ 4	28 ²⁶ 26	9 ⁴⁸ 48	10 ⁵⁴ 54	11 ²³ 23	11 ³⁴ 34	22 ¹⁰ 10	6 ⁴⁴ 44	5 ¹⁷ 17	14 ⁴⁸ 48	26 ⁶ 6	W 13
T 14	10 8 28	3 ⁴⁷ 43	26 ²⁴ 24	7 ⁴⁹ 49	18 ⁵³ 53	29 ¹³ 13	9 ⁵⁷ 57	10 ⁵⁵ 55	11 ²³ 23	11 ³³ 33	22 ⁹ 9	6 ³⁸ 38	5 ¹⁴ 14	14 ⁵⁵ 55	26 ⁹ 9	T 14
F 15	10 12 25	4 ⁴⁷ 50	11 ¹⁰ 10	9 ⁴ 4	19 ⁴¹ 41	0 ¹ 1	10 ⁷ 7	10 ⁵⁶ 56	11 ²⁴ 24	11 ³¹ 31	22 ⁸ 8	6 ²⁹ 29	5 ¹¹ 11	15 ¹ 1	26 ¹² 12	F 15
S 16	10 16 22	5 ⁴⁷ 55	25 ³¹ 31	10 ²¹ 21	20 ²⁹ 29	0 ⁴⁸ 48	10 ¹⁶ 16	10 ⁵⁸ 58	11 ²⁴ 24	11 ²⁹ 29	22 ⁷ 7	6 ¹⁹ 19	5 ⁸ 8	15 ⁸ 8	26 ¹⁵ 15	S 16
S 17	10 20 18	6 ⁴⁷ 58	9 ²³ 23	11 ³⁹ 39	21 ¹⁵ 15	1 ³⁵ 35	10 ²⁶ 26	11 ⁰ 0	11 ²⁴ 24	11 ²⁸ 28	22 ⁶ 6	6 ¹⁰ 10	5 ⁵ 5	15 ¹⁵ 15	26 ¹⁷ 17	S 17
M 18	10 24 15	7 ⁴⁷ 59	23 ¹¹ 11	12 ⁵⁹ 59	22 ¹ 1	2 ²³ 23	10 ³⁶ 36	11 ¹ 1	11 ²⁵ 25	11 ²⁶ 26	22 ⁶ 6	6 ¹ 1	5 ² 2	15 ²¹ 21	26 ²⁰ 20	M 18
T 19	10 28 11	8 ⁴⁷ 59	6 ¹¹ 11	14 ²¹ 21	22 ⁴⁵ 45	3 ¹⁰ 10	10 ⁴⁶ 46	11 ³ 3	11 ²⁵ 25	11 ²⁴ 24	22 ⁵ 5	5 ⁵⁴ 54	4 ⁵⁸ 58	15 ²⁸ 28	26 ²³ 23	T 19
W 20	10 32 8	9 ⁴⁷ 57	19 ⁷ 7	15 ⁴⁴ 44	23 ²⁹ 29	3 ⁵⁷ 57	10 ⁵⁶ 56	11 ⁵ 5	11 ²⁶ 26	11 ²³ 23	22 ⁴ 4	5 ⁵⁰ 50	4 ⁵⁵ 55	15 ³⁴ 34	26 ²⁶ 26	W 20
T 21	10 36 4	10 ⁴⁷ 54	1 ³⁰ 30	17 ⁸ 8	24 ¹¹ 11	4 ⁴⁴ 44	11 ⁶ 6	11 ⁷ 7	11 ²⁶ 26	11 ²¹ 21	22 ³ 3	5 ⁴⁷ 47	4 ⁵² 52	15 ⁴¹ 41	26 ²⁹ 29	T 21
F 22	10 40 1	11 ⁴⁷ 49	13 ³⁵ 35	18 ³⁴ 34	24 ⁵² 52	5 ³¹ 31	11 ¹⁶ 16	11 ⁹ 9	11 ²⁷ 27	11 ¹⁹ 19	22 ² 2	5 ⁴⁷ 47	4 ⁴⁹ 49	15 ⁴⁸ 48	26 ³² 32	F 22
S 23	10 43 57	12 ⁴⁷ 42	25 ²⁹ 29	20 ¹ 1	25 ³³ 33	6 ¹⁹ 19	11 ²⁶ 26	11 ¹² 12	11 ²⁸ 28	11 ¹⁸ 18	22 ¹ 1	5 ⁴⁷ 47	4 ⁴⁶ 46	15 ⁵⁴ 54	26 ³⁵ 35	S 23
S 24	10 47 54	13 ⁴⁷ 34	7 ³ 3	21 ²⁹ 29	26 ¹² 12	7 ⁶ 6	11 ³⁷ 37	11 ¹⁴ 14	11 ²⁸ 28	11 ¹⁶ 16	22 ¹ 1	5 ⁴⁸ 48	4 ⁴² 42	16 ¹ 1	26 ³⁸ 38	S 24
M 25	10 51 50	14 ⁴⁷ 23	19 ⁴ 4	22 ⁵⁹ 59	26 ⁴⁹ 49	7 ⁵³ 53	11 ⁴⁷ 47	11 ¹⁶ 16	11 ²⁹ 29	11 ¹⁴ 14	22 ⁰ 0	5 ⁴⁷ 47	4 ³⁹ 39	16 ⁸ 8	26 ⁴² 42	M 25
T 26	10 55 47	15 ⁴⁷ 11	0 ⁵⁴ 54	24 ³⁰ 30	27 ²⁶ 26	8 ⁴⁰ 40	11 ⁵⁸ 58	11 ¹⁹ 19	11 ³⁰ 30	11 ¹³ 13	21 ⁵⁹ 59	5 ⁴⁴ 44	4 ³⁶ 36	16 ¹⁴ 14	26 ⁴⁵ 45	T 26
W 27	10 59 44	16 ⁴⁶ 58	12 ⁵³ 53	26 ² 2	28 ¹ 1	9 ²⁷ 27	12 ⁹ 9	11 ²² 22	11 ³¹ 31	11 ¹¹ 11	21 ⁵⁹ 59	5 ³⁸ 38	4 ³³ 33	16 ²¹ 21	26 ⁴⁸ 48	W 27
T 28	11 3 40	17 ⁴⁶ 42	25 ² 2	27 ³⁶ 36	28 ³⁵ 35	10 ¹⁴ 14	12 ¹⁹ 19	11 ²⁵ 25	11 ³² 32	11 ¹⁰ 10	21 ⁵⁸ 58	5 ³⁰ 30	4 ³⁰ 30	16 ²⁸ 28	26 ⁵¹ 51	T 28

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s38	15s45	4s 1	19s55	1n17	4n31	1n46	16s13	1s 5	13n23	0s56	20n45	1s23	22n15	0n 2	8n 8	1n 6	24n50	3n14	23n18	23n23	23s30	9n35	0s23			
S 2	14 18	11 44	4 36	19 59	1 5	5 0	1 53	15 58	1 5	13 25	0 56	20 45	1 23	22 15	0 2	8 9	1 6	24 50	3 14	23 18	23 23	23 30	9 36	0 23			
S 3	13 59	7 10	4 59	20 2	0 54	5 29	2 0	15 43	1 5	13 28	0 55	20 46	1 23	22 15	0 2	8 9	1 6	24 50	3 14	23 19	23 23	23 30	9 36	0 23			
M 4	13 39	2 14	5 8	20 4	0 42	5 58	2 7	15 27	1 5	13 31	0 55	20 46	1 23	22 15	0 2	8 10	1 6	24 50	3 14	23 19	23 23	23 31	9 37	0 23			
T 5	13 19	2n52	5 1	20 5	0 31	6 26	2 14	15 12	1 5	13 34	0 55	20 46	1 23	22 15	0 2	8 10	1 6	24 51	3 14	23 20	23 23	23 31	9 38	0 23			
W 6	12 58	7 57	4 38	20 5	0 21	6 54	2 21	14 56	1 5	13 37	0 55	20 46	1 22	22 15	0 2	8 11	1 6	24 51	3 14	23 20	23 23	23 31	9 39	0 23			
T 7	12 38	12 45	4 0	20 3	0 10	7 22	2 28	14 40	1 5	13 39	0 54	20 47	1 22	22 15	0 2	8 12	1 6	24 51	3 14	23 20	23 24	23 31	9 40	0 23			
F 8	12 17	17 1	3 8	20 0	0s 0	7 50	2 35	14 25	1 4	13 42	0 54	20 47	1 22	22 15	0 2	8 12	1 6	24 51	3 14	23 20	23 24	23 31	9 40	0 23			
S 9	11 56	20 26	2 3	19 55	0 10	8 17	2 43	14 9	1 4	13 45	0 54	20 47	1 22	22 15	0 2	8 13	1 6	24 51	3 14	23 20	23 24	23 31	9 41	0 23			
S 10	11 35	22 39	0 50	19 50	0 19	8 44	2 50	13 52	1 4	13 48	0 54	20 48	1 21	22 15	0 2	8 14	1 6	24 52	3 14	23 20	23 24	23 32	9 42	0 23			
M 11	11 14	23 26	0n28	19 43	0 28	9 11	2 57	13 36	1 4	13 51	0 53	20 48	1 21	22 15	0 3	8 14	1 6	24 52	3 14	23 20	23 24	23 32	9 43	0 23			
T 12	10 52	22 35	1 45	19 35	0 37	9 38	3 5	13 20	1 4	13 54	0 53	20 49	1 21	22 15	0 3	8 15	1 6	24 52	3 14	23 20	23 24	23 32	9 44	0 23			
W 13	10 31	20 10	2 55	19 25	0 46	10 4	3 12	13 3	1 4	13 58	0 53	20 49	1 21	22 15	0 3	8 16	1 6	24 52	3 14	23 20	23 24	23 32	9 45	0 23			
T 14	10 9	16 24	3 53	19 14	0 54	10 30	3 20	12 46	1 4	14 1	0 53	20 49	1 20	22 15	0 3	8 16	1 6	24 52	3 14	23 21	23 24	23 32	9 46	0 24			
F 15	9 47	11 40	4 36	19 2	1 2	10 55	3 28	12 30	1 4	14 4	0 52	20 50	1 20	22 15	0 3	8 17	1 6	24 52	3 14	23 21	23 25	23 32	9 47	0 24			
S 16	9 25	6 22	4 59	18 48	1 9	11 20	3 35	12 13	1 4	14 7	0 52	20 50	1 20	22 15	0 3	8 17	1 6	24 53	3 14	23 22	23 25	23 32	9 48	0 24			
S 17	9 3	0 51	5 4	18 34	1 16	11 45	3 43	11 56	1 3	14 10	0 52	20 51	1 20	22 16	0 3	8 18	1 6	24 53	3 14	23 22	23 25	23 33	9 49	0 24			
M 18	8 40	4s32	4 51	18 17	1 23	12 10	3 51	11 39	1 3	14 14	0 52	20 51	1 19	22 16	0 3	8 19	1 6	24 53	3 14	23 22	23 25	23 33	9 50	0 24			
T 19	8 18	9 32	4 23	18 0	1 29	12 33	3 58	11 21	1 3	14 17	0 52	20 52	1 19	22 16	0 3	8 19	1 6	24 53	3 14	23 23	23 25	23 33	9 51	0 24			
W 20	7 55	13 59	3 43	17 41	1 35	12 57	4 6	11 4	1 3	14 20	0 51	20 52	1 19	22 16	0 3	8 20	1 6	24 53	3 14	23 23	23 25	23 33	9 52	0 24			
T 21	7 32	17 42	2 52	17 21	1 41	13 20	4 14	10 47	1 3	14 23	0 51	20 53	1 19	22 16	0 3	8 21	1 6	24 53	3 14	23 23	23 25	23 33	9 53	0 24			
F 22	7 10	20 35	1 56	16 59	1 46	13 42	4 21	10 29	1 3	14 27	0 51	20 53	1 18	22 16	0 3	8 21	1 6	24 54	3 14	23 23	23 25	23 33	9 54	0 24			
S 23	6 47	22 31	0 55	16 36	1 51	14 5	4 29	10 11	1 2	14 30	0 51	20 54	1 18	22 16	0 3	8 22	1 6	24 54	3 14	23 23	23 26	23 33	9 55	0 24			
S 24	6 24	23 27	0s 8	16 12	1 55	14 26	4 37	9 54	1 2	14 34	0 51	20 54	1 18	22 16	0 3	8 23	1 6	24 54	3 14	23 23	23 26	23 33	9 56	0 24			
M 25	6 0	23 19	1 10	15 46	1 59	14 47	4 45	9 36	1 2	14 37	0 50	20 55	1 18	22 16	0 3	8 23	1 6	24 54	3 14	23 23	23 26	23 33	9 57	0 24			
T 26	5 37	22 7	2 10	15 19	2 2	15 8	4 52	9 18	1 2	14 41	0 50	20 55	1 18	22 16	0 3	8 24	1 6	24 54	3 14	23 23	23 26	23 33	9 58	0 24			
W 27	5 14	19 56	3 4	14 51	2 6	15 28	5 0	9 0	1 2	14 44	0 50	20 56	1 17	22 16	0 3	8 25	1 6	24 54	3 14	23 23	23 26	23 33	9 59	0 24			
T 28	4s51	16s50	3s50	14s21	2s 8	15n47	5n 7	8s42	1s 1	14n48	0s50	20n57	1s17	22n17	0n 3	8n25	1n 6	24n54	3n14	23n24	23n26	23s33	10n 0	0s24			

ASTRODIENST EPHEMERIS for the year 1443
geocentric

MARCH 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 7 37	18°46'24	7°25	29°10	29°7	11°1	12°30	11°27	11°33	11°R 8	21°R57	5°R19	4°27	16°34	26°V54	F 1
S 2	11 11 33	19°46'04	20° 1	0°46	29°38	11°48	12°41	11°30	11°34	11°R 6	21°57	5° 6	4°23	16°41	26°58	S 2
S 3	11 15 30	20°45'43	2°V52	2°24	0° 7	12°35	12°52	11°34	11°35	11° 4	21°56	4°53	4°20	16°48	27° 1	S 3
M 4	11 19 26	21°45'19	15°56	4° 2	0°35	13°22	13° 4	11°37	11°36	11° 3	21°55	4°41	4°17	16°54	27° 5	M 4
T 5	11 23 23	22°44'53	29°12	5°42	1° 1	14° 9	13°15	11°40	11°37	11° 1	21°55	4°30	4°14	17° 1	27° 8	T 5
W 6	11 27 19	23°44'25	12°39	7°23	1°25	14°56	13°26	11°43	11°39	10°59	21°54	4°22	4°11	17° 8	27°11	W 6
T 7	11 31 16	24°43'54	26°16	9° 5	1°47	15°43	13°38	11°47	11°40	10°58	21°54	4°17	4° 8	17°14	27°15	T 7
F 8	11 35 13	25°43'22	10°II 1	10°49	2° 8	16°30	13°49	11°51	11°41	10°56	21°53	4°14	4° 4	17°21	27°18	F 8
S 9	11 39 9	26°42'47	23°56	12°34	2°27	17°17	14° 1	11°54	11°43	10°55	21°53	4°14	4° 1	17°27	27°22	S 9
S 10	11 43 6	27°42'09	8° 1	14°20	2°43	18° 4	14°13	11°58	11°44	10°53	21°52	4°14	3°58	17°34	27°25	S 10
M 11	11 47 2	28°41'29	22°13	16° 8	2°58	18°51	14°25	12° 2	11°46	10°51	21°52	4°13	3°55	17°41	27°29	M 11
T 12	11 50 59	29°40'47	6°II33	17°57	3°10	19°37	14°37	12° 6	11°47	10°50	21°52	4°10	3°52	17°47	27°33	T 12
W 13	11 54 55	0°V40'03	20°57	19°47	3°20	20°24	14°48	12°10	11°49	10°48	21°51	4° 5	3°48	17°54	27°36	W 13
T 14	11 58 52	1°39'16	5°II21	21°39	3°29	21°11	15° 1	12°14	11°51	10°47	21°51	3°57	3°45	18° 1	27°40	T 14
F 15	12 2 48	2°38'27	19°39	23°32	3°34	21°57	15°13	12°18	11°52	10°45	21°51	3°46	3°42	18° 7	27°43	F 15
S 16	12 6 45	3°37'36	3°II46	25°26	3°38	22°44	15°25	12°23	11°54	10°44	21°50	3°34	3°39	18°14	27°47	S 16
S 17	12 10 42	4°36'42	17°36	27°22	3°R39	23°31	15°37	12°27	11°56	10°42	21°50	3°22	3°36	18°21	27°51	S 17
M 18	12 14 38	5°35'47	1°II 5	29°19	3°37	24°17	15°49	12°32	11°58	10°41	21°50	3°10	3°33	18°27	27°55	M 18
T 19	12 18 35	6°34'50	14°12	1°V17	3°33	25° 4	16° 2	12°36	12° 0	10°39	21°50	3° 1	3°29	18°34	27°58	T 19
W 20	12 22 31	7°33'51	26°56	3°17	3°27	25°50	16°14	12°41	12° 1	10°38	21°49	2°54	3°26	18°41	28° 2	W 20
T 21	12 26 28	8°32'50	9°V20	5°18	3°18	26°37	16°27	12°46	12° 3	10°36	21°49	2°50	3°23	18°47	28° 6	T 21
F 22	12 30 24	9°31'47	21°28	7°20	3° 7	27°23	16°39	12°50	12° 5	10°35	21°49	2°49	3°20	18°54	28°10	F 22
S 23	12 34 21	10°30'43	3°II24	9°23	2°53	28°10	16°52	12°55	12° 8	10°33	21°49	2°D48	3°17	19° 1	28°14	S 23
S 24	12 38 17	11°29'36	15°13	11°27	2°37	28°56	17° 5	13° 0	12°10	10°32	21°49	2°R48	3°14	19° 7	28°17	S 24
M 25	12 42 14	12°28'29	27° 1	13°32	2°18	29°42	17°18	13° 5	12°12	10°31	21°49	2°48	3°10	19°14	28°21	M 25
T 26	12 46 11	13°27'19	8°V54	15°37	1°58	0°V29	17°30	13°11	12°14	10°29	21°49	2°45	3° 7	19°21	28°25	T 26
W 27	12 50 7	14°26'07	20°57	17°43	1°34	1°15	17°43	13°16	12°16	10°28	21°D49	2°40	3° 4	19°27	28°29	W 27
T 28	12 54 4	15°24'54	3°II13	19°50	1° 9	2° 1	17°56	13°21	12°18	10°27	21°49	2°33	3° 1	19°34	28°33	T 28
F 29	12 58 0	16°23'39	15°45	21°56	0°42	2°47	18° 9	13°27	12°21	10°25	21°49	2°23	2°58	19°40	28°37	F 29
S 30	13 1 57	17°22'21	28°36	24° 2	0°13	3°33	18°22	13°32	12°23	10°24	21°49	2°11	2°54	19°47	28°41	S 30
S 31	13 5 53	18°V21'02	11°V45	26°V 8	29°V42	4°V19	18°S35	13°II37	12°II25	10°II23	21°S49	1°S59	2°S51	19°S54	28°V45	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	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
F 1	4s27	12s56	4s27	13s50	2s11	16n 6	5n15	8s24	1s 1	14n51	0s50	20n57	1s17	22n17	0n 3	8n26	1n 6	24n54	3n14	23n24	23n26	23s33	10n 1	0s25
S 2	4 4	8 25	4 51	13 18	2 13	16 24	5 22	8 6	1 1	14 55	0 49	20 58	1 17	22 17	0 3	8 27	1 6	24 54	3 14	23 25	23 26	23 33	10 2	0 25
S 3	3 40	3 27	5 1	12 44	2 14	16 41	5 30	7 47	1 1	14 58	0 49	20 59	1 16	22 17	0 3	8 27	1 6	24 55	3 14	23 25	23 26	23 33	10 3	0 25
M 4	3 17	1n45	4 55	12 9	2 15	16 58	5 37	7 29	1 0	15 2	0 49	20 59	1 16	22 17	0 3	8 28	1 6	24 55	3 14	23 26	23 27	23 33	10 5	0 25
T 5	2 53	6 57	4 34	11 33	2 16	17 14	5 44	7 11	1 0	15 5	0 49	21 0	1 16	22 17	0 3	8 28	1 6	24 55	3 14	23 26	23 27	23 33	10 6	0 25
W 6	2 30	11 55	3 57	10 55	2 16	17 29	5 51	6 52	1 0	15 9	0 49	21 1	1 16	22 18	0 3	8 29	1 6	24 55	3 14	23 26	23 27	23 33	10 7	0 25
T 7	2 6	16 21	3 6	10 17	2 15	17 44	5 58	6 34	1 0	15 13	0 48	21 1	1 16	22 18	0 3	8 30	1 6	24 55	3 14	23 27	23 27	23 33	10 8	0 25
F 8	1 42	19 58	2 4	9 36	2 15	17 57	6 5	6 15	0 59	15 16	0 48	21 2	1 15	22 18	0 3	8 30	1 6	24 55	3 14	23 27	23 27	23 33	10 9	0 25
S 9	1 19	22 28	0 54	8 55	2 13	18 10	6 12	5 57	0 59	15 20	0 48	21 3	1 15	22 18	0 3	8 31	1 6	24 55	3 14	23 27	23 27	23 33	10 11	0 25
S 10	0 55	23 36	0n20	8 12	2 12	18 22	6 19	5 38	0 59	15 23	0 48	21 3	1 15	22 18	0 3	8 31	1 6	24 55	3 14	23 27	23 27	23 33	10 12	0 25
M 11	0 31	23 13	1 34	7 28	2 9	18 33	6 25	5 19	0 58	15 27	0 48	21 4	1 15	22 19	0 3	8 32	1 6	24 55	3 14	23 27	23 27	23 33	10 13	0 25
T 12	0 8	21 18	2 42	6 43	2 7	18 43	6 31	5 1	0 58	15 31	0 47	21 5	1 14	22 19	0 3	8 33	1 6	24 55	3 14	23 27	23 27	23 33	10 14	0 25
W 13	0n16	18 2	3 40	5 57	2 3	18 52	6 37	4 42	0 58	15 34	0 47	21 6	1 14	22 19	0 3	8 33	1 6	24 55	3 14	23 27	23 27	23 33	10 15	0 25
T 14	0 40	13 40	4 24	5 9	1 59	19 0	6 42	4 23	0 58	15 38	0 47	21 6	1 14	22 19	0 3	8 34	1 6	24 55	3 14	23 27	23 27	23 33	10 17	0 25
F 15	1 3	8 34	4 51	4 20	1 55	19 7	6 47	4 5	0 57	15 42	0 47	21 7	1 14	22 20	0 3	8 34	1 6	24 55	3 14	23 27	23 28	23 33	10 18	0 25
S 16	1 27	3 5	5 0	3 30	1 50	19 13	6 52	3 46	0 57	15 46	0 47	21 8	1 14	22 20	0 3	8 35	1 6	24 55	3 14	23 28	23 28	23 33	10 19	0 26
S 17	1 50	2s27	4 51	2 39	1 45	19 17	6 57	3 27	0 57	15 49	0 47	21 9	1 13	22 20	0 3	8 36	1 6	24 55	3 14	23 28	23 28	23 33	10 20	0 26
M 18	2 14	7 44	4 26	1 47	1 39	19 21	7 1	3 8	0 56	15 53	0 46	21 9	1 13	22 20	0 3	8 36	1 6	24 55	3 14	23 28	23 28	23 33	10 22	0 26
T 19	2 37	12 32	3 47	0 54	1 33	19 23	7 5	2 49	0 56	15 57	0 46	21 10	1 13	22 21	0 3	8 37	1 6	24 55	3 14	23 29	23 28	23 33	10 23	0 26
W 20	3 1	16 39	2 58	0 0	1 26	19 24	7 8	2 31	0 56	16 1	0 46	21 11	1 13	22 21	0 3	8 37	1 6	24 56	3 14	23 29	23 28	23 33	10 24	0 26
T 21	3 24	19 55	2 1	0n55	1 18	19 23	7 11	2 12	0 55	16 4	0 46	21 12	1 13	22 21	0 3	8 38	1 6	24 56	3 14	23 29	23 28	23 33	10 26	0 26
F 22	3 47	22 14	1 0	1 50	1 11	19 21	7 13	1 53	0 55	16 8	0 46	21 13	1 12	22 21	0 3	8 38	1 6	24 56	3 14	23 29	23 28	23 33	10 27	0 26
S 23	4 10	23 31	0s 3	2 47	1 2	19 18	7 15	1 34	0 54	16 12	0 46	21 13	1 12	22 22	0 3	8 39	1 6	24 56	3 14	23 29	23 28	23 33	10 28	0 26
S 24	4 34	23 43	1 5	3 44	0 53	19 13	7 16	1 15	0 54	16 16	0 46	21 14	1 12	22 22	0 3	8 39	1 6	24 56	3 14	23 29	23 28	23 33	10 29	0 26
M 25	4 57	22 51	2 5	4 41	0 44	19 7	7 16	0 56	0 54	16 19	0 45	21 15	1 12	22 22	0 3	8 40	1 6	24 56	3 14	23 29	23 28	23 32	10 31	0 26
T 26	5 20	20 58	2 59	5 38	0 34	19 0	7 16	0 38	0 53	16 23	0 45	21 16	1 12	22 22	0 3	8 40	1 6	24 56	3 14	23 29	23 28	23 32	10 32	0 26
W 27	5 42	18 7	3 46	6 36	0 24	18 51	7 15	0 19	0 53	16 27	0 45	21 17	1 11	22 23	0 3	8 41	1 6	24 56	3 14	23 29	23 29	23 32	10 33	0 26
T 28	6 5	14 27	4 23	7 34	0 14	18 40	7 14	0n 0	0 53	16 31	0 45	21 17	1 11	22 23	0 3	8 41	1 6	24 55	3 14	23 29	23 29	23 32	10 35	0 26
F 29	6 28	10 4	4 49	8 31	0 3	18 28	7 11	0 19	0 52	16 34	0 45	21 18	1 11	22 23	0 3	8 42	1 6	24 55	3 14	23 29	23 29	23 32	10 36	0 27
S 30	6 50	5 9	5 1	9 28	0n 8	18 15	7 8	0 38	0 52	16 38	0 45	21 19	1 11	22 24	0 3	8 42	1 6	24 55	3 14	23 30	23 29	23 32	10 37	0 27
S 31	7n13	0n 6	4s57	10n24	0n19	18n 0	7n 4	0n56	0s51	16n42	0s44	21n20	1s11	22n24	0n 3	8n43	1n 6	24n55	3n14	23n30	23n29	23s32	10n39	0s27

ASTRODIENST EPHEMERIS for the year 1443

geocentric

APRIL 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 9 50	19°19'41	25°11'	28°12'	29°R 9	5°12'	18°48'	13°11'43	12°11'28	10°R22	21°49	1°R47	2°48	20°30	28°149	M 1
T 2	13 13 46	20°18'19	8°51	0°16	28°135	5°52	19° 2	13°49	12°30	10°11'21	21°49	1°37	2°45	20° 7	28°52	T 2
W 3	13 17 43	21°16'54	22°42	2°18	28° 0	6°38	19°15	13°54	12°33	10°19	21°49	1°29	2°42	20°14	28°56	W 3
T 4	13 21 39	22°15'27	6°11'41	4°18	27°23	7°23	19°28	14° 0	12°35	10°18	21°50	1°24	2°39	20°20	29° 0	T 4
F 5	13 25 36	23°13'58	20°45	6°16	26°46	8° 9	19°42	14° 6	12°38	10°17	21°50	1°22	2°35	20°27	29° 4	F 5
S 6	13 29 33	24°12'27	4°52	8°11	26° 9	8°55	19°55	14°12	12°40	10°16	21°50	1°D22	2°32	20°34	29° 8	S 6
S 7	13 33 29	25°10'53	18°59	10° 4	25°31	9°41	20° 8	14°18	12°43	10°15	21°50	1°R22	2°29	20°40	29°12	S 7
M 8	13 37 26	26° 9'18	3°12	11°54	24°53	10°27	20°22	14°24	12°46	10°14	21°51	1°22	2°26	20°47	29°16	M 8
T 9	13 41 22	27° 7'40	17°13	13°40	24°15	11°12	20°35	14°30	12°49	10°13	21°51	1°20	2°23	20°54	29°20	T 9
W10	13 45 19	28° 6'00	1°16	15°23	23°38	11°58	20°49	14°37	12°51	10°12	21°51	1°17	2°19	21° 0	29°24	W10
T 11	13 49 15	29° 4'18	15°15	17° 3	23° 2	12°44	21° 2	14°43	12°54	10°11	21°52	1°10	2°16	21° 7	29°28	T 11
F 12	13 53 12	0°18'234	29° 7	18°38	22°26	13°29	21°16	14°49	12°57	10°10	21°52	1° 2	2°13	21°14	29°32	F 12
S 13	13 57 8	1° 0'47	12°47	20°10	21°52	14°15	21°30	14°55	13° 0	10° 9	21°53	0°52	2°10	21°20	29°36	S 13
S 14	14 1 5	1°58'59	26°14	21°37	21°18	15° 0	21°43	15° 2	13° 2	10° 8	21°53	0°42	2° 7	21°27	29°40	S 14
M15	14 5 2	2°57'10	9°125	23° 0	20°47	15°46	21°57	15° 8	13° 5	10° 7	21°53	0°33	2° 4	21°34	29°44	M15
T 16	14 8 58	3°55'18	22°18	24°19	20°17	16°31	22°11	15°15	13° 8	10° 6	21°54	0°25	2° 0	21°40	29°48	T 16
W17	14 12 55	4°53'25	4°154	25°34	19°49	17°16	22°24	15°21	13°11	10° 5	21°54	0°20	1°57	21°47	29°52	W17
T 18	14 16 51	5°51'30	17°13	26°44	19°23	18° 2	22°38	15°28	13°14	10° 5	21°55	0°17	1°54	21°53	29°56	T 18
F 19	14 20 48	6°49'34	29°19	27°50	18°59	18°47	22°52	15°35	13°17	10° 4	21°56	0°D16	1°51	22° 0	29°59	F 19
S 20	14 24 44	7°47'37	11°13	28°51	18°38	19°32	23° 6	15°41	13°20	10° 3	21°56	0°16	1°48	22° 7	0°4	S 20
S 21	14 28 41	8°45'38	23° 4	29°47	18°19	20°17	23°19	15°48	13°23	10° 2	21°57	0°17	1°45	22°13	0° 8	S 21
M22	14 32 37	9°43'37	4°54	0°139	18° 2	21° 2	23°33	15°55	13°26	10° 2	21°57	0°R18	1°41	22°20	0°12	M22
T 23	14 36 34	10°41'36	16°48	1°26	17°47	21°47	23°47	16° 2	13°30	10° 1	21°58	0°18	1°38	22°27	0°16	T 23
W24	14 40 31	11°39'32	28°51	2° 8	17°35	22°32	24° 1	16° 9	13°33	10° 1	21°59	0°17	1°35	22°33	0°20	W24
T 25	14 44 27	12°37'28	11°10	2°45	17°26	23°17	24°15	16°16	13°36	10° 0	21°59	0°13	1°32	22°40	0°24	T 25
F 26	14 48 24	13°35'22	23°47	3°17	17°19	24° 2	24°29	16°23	13°39	9°59	22° 0	0° 8	1°29	22°47	0°28	F 26
S 27	14 52 20	14°33'15	6°145	3°44	17°14	24°47	24°43	16°30	13°42	9°59	22° 1	0° 1	1°25	22°53	0°31	S 27
S 28	14 56 17	15°31'07	20° 5	4° 7	17°D12	25°32	24°57	16°37	13°45	9°58	22° 2	29°153	1°22	23° 0	0°35	S 28
M29	15 0 13	16°28'57	3°147	4°24	17°12	26°17	25°11	16°44	13°49	9°58	22° 3	29°46	1°19	23° 7	0°39	M29
T 30	15 4 10	17°26'46	17°148	4°136	17°14	27°1	25°25	16°1151	13°1152	9°1157	22°3	29°1140	1°16	23°13	0°43	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7n35	5n28	4s37	11n20	0n30	17n43	6n59	1n15	0s51	16n46	0s44	21n21	1s11	22n24	0n 3	8n43	1n 6	24n55	3n14	23n30	23n29	23s31	10n40	0s27			
T 2	7 57	10 41	4 1	12 14	0 41	17 26	6 54	1 34	0 51	16 49	0 44	21 22	1 10	22 25	0 3	8 44	1 6	24 55	3 14	23 30	23 29	23 31	10 41	0 27			
W 3	8 20	15 26	3 10	13 7	0 52	17 7	6 47	1 52	0 50	16 53	0 44	21 23	1 10	22 25	0 3	8 44	1 6	24 55	3 14	23 30	23 29	23 31	10 43	0 27			
T 4	8 41	19 24	2 7	13 58	1 2	16 47	6 40	2 11	0 50	16 57	0 44	21 23	1 10	22 25	0 3	8 44	1 6	24 55	3 14	23 30	23 29	23 31	10 44	0 27			
F 5	9 3	22 15	0 56	14 48	1 13	16 26	6 32	2 29	0 49	17 1	0 44	21 24	1 10	22 26	0 3	8 45	1 6	24 55	3 14	23 30	23 29	23 31	10 45	0 27			
S 6	9 25	23 44	0n19	15 36	1 23	16 4	6 24	2 48	0 49	17 4	0 44	21 25	1 10	22 26	0 3	8 45	1 6	24 55	3 14	23 30	23 29	23 31	10 47	0 27			
S 7	9 46	23 41	1 32	16 21	1 33	15 42	6 14	3 6	0 48	17 8	0 44	21 26	1 9	22 26	0 3	8 46	1 6	24 55	3 14	23 30	23 29	23 30	10 48	0 27			
M 8	10 8	22 7	2 41	17 5	1 43	15 18	6 4	3 25	0 48	17 12	0 43	21 27	1 9	22 27	0 3	8 46	1 6	24 55	3 14	23 30	23 29	23 30	10 49	0 27			
T 9	10 29	19 12	3 39	17 46	1 51	14 54	5 53	3 43	0 47	17 15	0 43	21 28	1 9	22 27	0 3	8 46	1 6	24 55	3 14	23 30	23 29	23 30	10 51	0 27			
W10	10 50	15 9	4 24	18 24	2 0	14 30	5 42	4 2	0 47	17 19	0 43	21 29	1 9	22 27	0 3	8 47	1 6	24 55	3 14	23 30	23 29	23 30	10 52	0 27			
T 11	11 11	10 19	4 53	19 0	2 7	14 5	5 30	4 20	0 46	17 23	0 43	21 30	1 9	22 28	0 3	8 47	1 6	24 55	3 14	23 30	23 30	23 30	10 53	0 28			
F 12	11 31	5 0	5 4	19 34	2 14	13 40	5 18	4 38	0 46	17 26	0 43	21 30	1 9	22 28	0 3	8 48	1 6	24 55	3 13	23 30	23 30	23 29	10 55	0 28			
S 13	11 52	0s30	4 58	20 5	2 20	13 15	5 5	4 56	0 46	17 30	0 43	21 31	1 8	22 28	0 3	8 48	1 6	24 55	3 13	23 31	23 30	23 29	10 56	0 28			
S 14	12 12	5 53	4 35	20 34	2 25	12 50	4 51	5 14	0 45	17 34	0 43	21 32	1 8	22 29	0 3	8 48	1 6	24 55	3 13	23 31	23 30	23 29	10 57	0 28			
M15	12 32	10 55	3 58	21 0	2 30	12 25	4 38	5 32	0 45	17 37	0 43	21 33	1 8	22 29	0 3	8 49	1 6	24 54	3 13	23 31	23 30	23 29	10 59	0 28			
T 16	12 52	15 21	3 9	21 23	2 34	12 1	4 24	5 50	0 44	17 41	0 42	21 34	1 8	22 30	0 3	8 49	1 6	24 54	3 13	23 31	23 30	23 28	11 0	0 28			
W17	13 11	19 1	2 12	21 44	2 36	11 37	4 10	6 8	0 44	17 45	0 42	21 35	1 8	22 30	0 3	8 49	1 6	24 54	3 13	23 31	23 30	23 28	11 1	0 28			
T 18	13 31	21 44	1 10	22 3	2 38	11 14	3 56	6 26	0 43	17 48	0 42	21 36	1 8	22 30	0 3	8 49	1 6	24 54	3 13	23 31	23 30	23 28	11 3	0 28			
F 19	13 50	23 25	0 5	22 19	2 39	10 52	3 41	6 43	0 43	17 52	0 42	21 37	1 8	22 31	0 3	8 50	1 5	24 54	3 13	23 31	23 30	23 28	11 4	0 28			
S 20	14 9	24 1	0s59	22 32	2 39	10 31	3 27	7 1	0 42	17 56	0 42	21 37	1 7	22 31	0 3	8 50	1 5	24 54	3 13	23 31	23 30	23 27	11 5	0 28			
S 21	14 28	23 30	2 0	22 44	2 37	10 10	3 13	7 19	0 42	17 59	0 42	21 38	1 7	22 32	0 3	8 50	1 5	24 54	3 13	23 31	23 30	23 27	11 7	0 28			
M22	14 46	21 56	2 56	22 52	2 35	9 50	2 58	7 36	0 41	18 3	0 42	21 39	1 7	22 32	0 3	8 50	1 5	24 54	3 13	23 31	23 30	23 27	11 8	0 28			
T 23	15 5	19 25	3 44	22 59	2 32	9 32	2 44	7 53	0 40	18 6	0 42	21 40	1 7	22 32	0 3	8 51	1 5	24 54	3 13	23 31	23 30	23 27	11 9	0 29			
W24	15 23	16 1	4 24	23 4	2 28	9 14	2 30	8 11	0 40	18 10	0 42	21 41	1 7	22 33	0 3	8 51	1 5	24 53	3 13	23 31	23 30	23 26	11 11	0 29			
T 25	15 40	11 53	4 52	23 6	2 22	8 58	2 16	8 28	0 39	18 13	0 41	21 42	1 7	22 33	0 3	8 51	1 5	24 53	3 13	23 31	23 30	23 26	11 12	0 29			
F 26	15 58	7 10	5 7	23 6	2 16	8 42	2 3	8 45	0 39	18 17	0 41	21 43	1 7	22 33	0 3	8 51	1 5	24 53	3 13	23 31	23 30	23 26	11 13	0 29			
S 27	16 15	2 0	5 6	23 4	2 8	8 28	1 49	9 2	0 38	18 20	0 41	21 43	1 6	22 34	0 3	8 51	1 5	24 53	3 13	23 31	23 30	23 25	11 14	0 29			
S 28	16 32	3n24	4 50	22 59	2 0	8 15	1 36	9 19	0 38	18 24	0 41	21 44	1 6	22 34	0 3	8 52	1 5	24 53	3 13	23 31	23 30	23 25	11 16	0 29			
M29	16 49	8 48	4 16	22 53	1 50	8 3	1 23	9 36	0 37	18 27	0 41	21 45	1 6	22 35	0 3	8 52	1 5	24 53	3 13	23 31	23 30	23 25	11 17	0 29			
T 30	17n 5	13n53	3s27	22n45	1n39	7n53	1n11	9n52	0s37	18n31	0s41	21n46	1s 6	22n35	0n 3	8n52	1n 5	24n53	3n13	23n31	23n30	23s24	11n18	0s29			

ASTRODIENST EPHEMERIS for the year 1443

geocentric

MAY 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 8 6	18°24'33	2°11' 4	4°11'31	17°19'19	27°46'46	25°39'39	16°11'59	13°11'55	9°15'57	22°28' 4	29°15'36	19°13'13	23°20'20	0°47' 1	W 1
T 2	15 12 3	19°22'19	16°29' 3	4°14'46	17°26' 3	28°30'30	25°53'33	17° 6' 6	13°59' 9	9°17'57	22° 5' 5	29°11'33	1°10' 1	23°27' 2	0°51' 2	T 2
F 3	15 16 0	20°20'04	0°58'58	4°44' 4	17°35' 4	29°15'15	26° 7' 7	17°13' 1	14° 2' 2	9°56' 9	22° 6' 6	29°15'33	1° 6' 6	23°33' 3	0°55' 3	F 3
S 4	15 19 56	21°17'47	15°25' 4	4°37' 4	17°46' 4	29°59'59	26°21' 2	17°20' 1	14° 5' 5	9°56' 9	22° 7' 7	29°33' 3	1° 3' 3	23°40' 4	0°58' 4	S 4
S 5	15 23 53	22°15'28	29°48' 4	4°26' 4	17°59' 4	0°44' 4	26°35' 1	17°28' 1	14° 9' 9	9°56' 9	22° 8' 8	29°35' 5	1° 0' 0	23°47' 5	1° 2' 2	S 5
M 6	15 27 49	23°13'08	14°10' 3	4°10' 3	18°14' 4	1°28' 1	26°49' 1	17°35' 1	14°12' 1	9°56' 9	22° 9' 9	29°36' 6	0°57' 7	23°53' 6	1° 6' 6	M 6
T 7	15 31 46	24°10'46	28° 8' 8	3°51' 1	18°31' 1	2°13' 1	27° 3' 3	17°43' 1	14°15' 1	9°55' 9	22°10' 1	29°36' 6	0°54' 7	24° 0' 0	1°10' 1	T 7
W 8	15 35 42	25° 8'23	12°11' 1	3°28' 1	18°50' 1	2°57' 1	27°17' 1	17°50' 1	14°19' 1	9°55' 9	22°11' 1	29°35' 5	0°51' 7	24° 7' 7	1°13' 1	W 8
T 9	15 39 39	26° 5'58	25°43' 2	3° 2' 2	19°11' 2	3°41' 2	27°31' 2	17°57' 2	14°22' 2	9°55' 9	22°12' 2	29°32' 2	0°47' 7	24°13' 2	1°17' 2	T 9
F 10	15 43 35	27° 3'31	9°12' 1	2°34' 1	19°34' 1	4°25' 1	27°45' 1	18° 5' 5	14°26' 1	9°55' 9	22°13' 1	29°28' 1	0°44' 7	24°20' 1	1°21' 1	F 10
S 11	15 47 32	28° 1'04	22°28' 2	2° 3' 3	19°58' 2	5° 9' 9	27°59' 2	18°12' 2	14°29' 2	9°55' 9	22°14' 2	29°23' 2	0°41' 7	24°27' 2	1°25' 2	S 11
S 12	15 51 29	28°58'34	5°11'31	1°31' 1	20°24' 1	5°53' 1	28°13' 1	18°20' 1	14°32' 1	9°55' 9	22°15' 1	29°19' 1	0°38' 7	24°33' 1	1°28' 1	S 12
M13	15 55 25	29°56'04	18°20' 1	0°58' 1	20°51' 1	6°37' 1	28°27' 1	18°28' 1	14°36' 1	9°55' 9	22°16' 1	29°14' 1	0°35' 7	24°40' 1	1°32' 1	M13
T 14	15 59 22	0°11'53'33	0°11'55	0°24' 1	21°20' 1	7°21' 1	28°41' 1	18°35' 1	14°39' 1	9°55' 9	22°17' 1	29°10' 1	0°31' 7	24°47' 1	1°35' 1	T 14
W15	16 3 18	1°51'00	13°16' 1	29°50' 1	21°51' 1	8° 5' 5	28°55' 1	18°43' 1	14°43' 1	9°55' 9	22°18' 1	29° 8' 8	0°28' 7	24°53' 1	1°39' 1	W15
T 16	16 7 15	2°48'27	25°26' 2	29°17' 2	22°23' 2	8°49' 2	29° 9' 9	18°50' 1	14°46' 1	9°55' 9	22°19' 1	29°10' 1	0°25' 7	25° 0' 0	1°43' 1	T 16
F 17	16 11 11	3°45'52	7°32'27	28°46' 2	22°56' 2	9°33' 2	29°23' 2	18°58' 1	14°50' 1	9°55' 9	22°21' 1	29° 7' 7	0°22' 7	25° 7' 7	1°46' 1	F 17
S 18	16 15 8	4°43'17	19°20' 2	28°16' 2	23°30' 2	10°16' 2	29°37' 2	19° 6' 6	14°53' 1	9°55' 9	22°22' 1	29° 8' 8	0°19' 7	25°13' 1	1°50' 1	S 18
S 19	16 19 4	5°40'41	1°11' 9	27°48' 2	24° 6' 6	11° 0' 0	29°51' 2	19°13' 1	14°57' 1	9°55' 9	22°23' 1	29°10' 1	0°16' 7	25°20' 1	1°53' 1	S 19
M20	16 23 1	6°38'05	12°58' 2	27°24' 2	24°43' 2	11°44' 2	0°11' 5	19°21' 1	15° 0' 0	9°56' 9	22°24' 1	29°12' 1	0°12' 7	25°27' 1	1°57' 1	M20
T 21	16 26 58	7°35'27	24°53' 2	27° 2' 2	25°21' 2	12°27' 2	0°19' 1	19°29' 1	15° 4' 4	9°56' 9	22°25' 1	29°13' 1	0° 9' 9	25°33' 1	2° 0' 0	T 21
W22	16 30 54	8°32'49	6°11'56	26°44' 2	26° 1' 1	13°11' 1	0°33' 1	19°37' 1	15° 8' 8	9°56' 9	22°27' 1	29°13' 1	0° 6' 6	25°40' 1	2° 3' 3	W22
T 23	16 34 51	9°30'11	19°14' 2	26°29' 2	26°41' 2	13°54' 2	0°47' 1	19°44' 1	15°11' 1	9°56' 9	22°28' 1	29°13' 1	0° 3' 3	25°46' 1	2° 7' 7	T 23
F 24	16 38 47	10°27'32	1°11'50	26°19' 2	27°23' 2	14°37' 2	1° 1' 1	19°52' 1	15°15' 1	9°57' 9	22°29' 1	29°12' 1	29°11' 5	25°53' 1	2°10' 1	F 24
S 25	16 42 44	11°24'52	14°48' 2	26°13' 2	28° 5' 5	15°21' 2	1°15' 1	20° 0' 0	15°18' 1	9°57' 9	22°31' 1	29°10' 1	29°57' 1	26° 0' 0	2°13' 1	S 25
S 26	16 46 40	12°22'12	28°11' 2	26°11' 2	28°48' 2	16° 4' 4	1°29' 1	20° 8' 8	15°22' 1	9°57' 9	22°32' 1	29° 8' 8	29°53' 1	26° 6' 6	2°17' 1	S 26
M27	16 50 37	13°19'31	11°11'59	26°14' 2	29°33' 2	16°47' 2	1°43' 1	20°16' 1	15°25' 1	9°58' 9	22°33' 1	29° 6' 6	29°50' 1	26°13' 1	2°20' 1	M27
T 28	16 54 33	14°16'50	26°11' 2	26°21' 2	0°18' 1	17°30' 1	1°56' 1	20°23' 1	15°29' 1	9°58' 9	22°35' 1	29° 4' 4	29°47' 1	26°20' 1	2°23' 1	T 28
W29	16 58 30	15°14'09	10°11'43	26°33' 2	1° 4' 4	18°13' 2	2°10' 1	20°31' 1	15°33' 1	9°59' 9	22°36' 1	29° 3' 3	29°44' 1	26°26' 1	2°26' 1	W29
T 30	17 2 27	16°11'27	25°28' 2	26°49' 2	1°50' 1	18°56' 2	2°24' 1	20°39' 1	15°36' 1	9°59' 9	22°37' 1	29°10' 1	29°41' 1	26°33' 1	2°29' 1	T 30
F 31	17 6 23	17°11'44	10°11'21	27°11'10	2°18'38	19°18'39	2°11'38	20°11'47	15°11'40	10°11'00	22°39' 1	29°11' 3	29°11'37	26°34' 1	2°33' 1	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n22	18n17	2s24	22n35	1n28	7n43	0n59	10n 9	0s36	18n34	0s41	21n47	1s 6	22n35	0n 3	8n52
T 2	17 37	21 39	1 10	22 23	1 15	7 35	0 47	10 25	0 36	18 38	0 41	21 48	1 6	22 36	0 3	8 52
F 3	17 53	23 38	0n 8	22 9	1 1	7 28	0 35	10 42	0 35	18 41	0 41	21 48	1 6	22 36	0 3	8 52
S 4	18 8	24 2	1 25	21 54	0 47	7 22	0 24	10 58	0 34	18 44	0 41	21 49	1 5	22 37	0 3	8 52
S 5	18 23	22 49	2 37	21 37	0 32	7 16	0 13	11 14	0 34	18 48	0 40	21 50	1 5	22 37	0 3	8 52
M 6	18 38	20 9	3 39	21 18	0 16	7 12	0 2	11 30	0 33	18 51	0 40	21 51	1 5	22 37	0 3	8 52
T 7	18 52	16 19	4 26	20 58	0s 1	7 10	0s 8	11 46	0 33	18 54	0 40	21 52	1 5	22 38	0 3	8 52
W 8	19 6	11 39	4 58	20 37	0 18	7 8	0 18	12 2	0 32	18 58	0 40	21 52	1 5	22 38	0 3	8 53
T 9	19 20	6 28	5 11	20 16	0 35	7 7	0 27	12 17	0 31	19 1	0 40	21 53	1 5	22 39	0 3	8 53
F 10	19 34	1 3	5 8	19 53	0 52	7 7	0 37	12 33	0 31	19 4	0 40	21 54	1 5	22 39	0 3	8 53
S 11	19 47	4s20	4 47	19 30	1 10	7 7	0 46	12 48	0 30	19 7	0 40	21 55	1 5	22 40	0 3	8 53
S 12	19 59	9 26	4 12	19 6	1 27	7 9	0 54	13 3	0 30	19 11	0 40	21 56	1 4	22 40	0 3	8 53
M13	20 12	14 3	3 25	18 43	1 44	7 12	1 3	13 19	0 29	19 14	0 40	21 56	1 4	22 40	0 3	8 53
T 14	20 24	17 59	2 29	18 20	2 1	7 15	1 11	13 33	0 28	19 17	0 40	21 57	1 4	22 41	0 3	8 53
W15	20 36	21 2	1 26	17 57	2 17	7 20	1 18	13 48	0 28	19 20	0 40	21 58	1 4	22 41	0 3	8 52
T 16	20 47	23 6	0 20	17 35	2 32	7 25	1 26	14 3	0 27	19 23	0 40	21 59	1 4	22 42	0 3	8 52
F 17	20 58	24 4	0s46	17 14	2 46	7 31	1 33	14 18	0 27	19 26	0 39	21 59	1 4	22 42	0 3	8 52
S 18	21 9	23 55	1 49	16 55	3 0	7 37	1 39	14 32	0 26	19 29	0 39	22 0	1 4	22 42	0 3	8 52
S 19	21 19	22 41	2 47	16 36	3 12	7 44	1 46	14 46	0 25	19 32	0 39	22 1	1 4	22 43	0 3	8 52
M20	21 29	20 28	3 39	16 20	3 24	7 52	1 52	15 0	0 25	19 35	0 39	22 2	1 4	22 43	0 3	8 52
T 21	21 39	17 22	4 21	16 5	3 34	8 1	1 58	15 14	0 24	19 38	0 39	22 2	1 4	22 44	0 3	8 52
W22	21 48	13 31	4 52	15 53	3 42	8 10	2 3	15 28	0 24	19 41	0 39	22 3	1 3	22 44	0 3	8 52
T 23	21 57	9 2	5 11	15 42	3 50	8 19	2 9	15 42	0 23	19 44	0 39	22 4	1 3	22 44	0 3	8 52
F 24	22 5	4 5	5 15	15 34	3 56	8 29	2 14	15 55	0 22	19 47	0 39	22 4	1 3	22 45	0 3	8 52
S 25	22 13	1n11	5 4	15 27	4 1	8 40	2 19	16 8	0 22	19 50	0 39	22 5	1 3	22 45	0 3	8 51
S 26	22 21	6 34	4 36	15 23	4 5	8 51	2 23	16 22	0 21	19 53	0 39	22 6	1 3	22 46	0 3	8 51
M27	22 28	11 48	3 52	15 21	4 7	9 3	2 27	16 35	0 20	19 56	0 39	22 6	1 3	22 46	0 3	8 51
T 28	22 35	16 34	2 52	15 22	4 9	9 15	2 32	16 47	0 20	19 59	0 39	22 7	1 3	22 46	0 3	8 51
W29	22 41	20 28	1 40	15 24	4 9	9 27	2 35	17 0	0 19	20 2	0 39	22 8	1 3	22 47	0 3	8 51
T 30	22 48	23 6	0 20	15 29	4 8	9 40	2 39	17 13	0 18	20 4	0 39	22 8	1 3	22 47	0 3	8 50
F 31	22n53	24n 9	1n 2	15n35	4s 6	9n53	2s42	17n25	0s18	20n 7	0s39	22n 9	1s 3	22n48	0n 3	8n50

Julian Day Number = 2248233.5, Delta T = 06m41s

Ecliptic obliquity = 23°30'42", Nutation = - 0°00'19", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°58'27", Lahiri = 16°05'28" Julian Calendar 1 May 1443 == Greg. Calendar 10 May 1443

ASTRODIENST EPHEMERIS for the year 1443
geocentric

JUNE 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 10 20	18II 6'01	25☾12	27♂36	3♂26	20♂22	2II52	20II55	15II43	10♂1	22☾40	29II 3	29II34	26♂46	2♂36	S 1
S 2	17 14 16	19° 3'17	9♂56	28° 5	4°15	21° 5	3° 5	21° 3	15°47	10° 1	22°42	29° 4	29°31	26°53	2°39	S 2
M 3	17 18 13	20° 0'32	24°27	28°40	5° 5	21°48	3°19	21°10	15°50	10° 2	22°43	29° 5	29°28	27° 0	2°42	M 3
T 4	17 22 9	20°57'46	8♂41	29°18	5°56	22°30	3°33	21°18	15°54	10° 3	22°45	29° 5	29°25	27° 6	2°45	T 4
W 5	17 26 6	21°55'00	22°35	0II 1	6°47	23°13	3°46	21°26	15°57	10° 3	22°46	29°R 5	29°22	27°13	2°48	W 5
T 6	17 30 2	22°52'13	6♂10	0°48	7°38	23°56	4° 0	21°34	16° 1	10° 4	22°47	29° 5	29°18	27°20	2°51	T 6
F 7	17 33 59	23°49'25	19°26	1°40	8°30	24°38	4°14	21°42	16° 5	10° 5	22°49	29° 5	29°15	27°26	2°53	F 7
S 8	17 37 56	24°46'37	2II25	2°35	9°23	25°21	4°27	21°50	16° 8	10° 6	22°50	29° 4	29°12	27°33	2°56	S 8
S 9	17 41 52	25°43'48	15° 8	3°35	10°17	26° 3	4°41	21°58	16°12	10° 6	22°52	29° 4	29° 9	27°40	2°59	S 9
M10	17 45 49	26°40'58	27°38	4°38	11°11	26°46	4°54	22° 5	16°15	10° 7	22°53	29° 3	29° 6	27°46	3° 2	M10
T 11	17 49 45	27°38'09	9♂56	5°45	12° 5	27°28	5° 8	22°13	16°19	10° 8	22°55	29° 3	29° 3	27°53	3° 4	T 11
W12	17 53 42	28°35'19	22° 4	6°56	13° 0	28°10	5°21	22°21	16°22	10° 9	22°57	29°D 3	28°59	28° 0	3° 7	W12
T 13	17 57 38	29°32'29	4♂ 4	8°11	13°55	28°52	5°34	22°29	16°26	10°10	22°58	29°R 3	28°56	28° 6	3°10	T 13
F 14	18 1 35	0☽29'39	15°57	9°30	14°51	29°34	5°48	22°37	16°29	10°11	23° 0	29° 3	28°53	28°13	3°12	F 14
S 15	18 5 32	1°26'49	27°48	10°52	15°48	0II16	6° 1	22°44	16°33	10°12	23° 1	29° 3	28°50	28°20	3°15	S 15
S 16	18 9 28	2°23'59	9♂36	12°18	16°45	0°58	6°14	22°52	16°36	10°13	23° 3	29° 3	28°47	28°26	3°17	S 16
M17	18 13 25	3°21'09	21°27	13°48	17°42	1°40	6°27	23° 0	16°40	10°14	23° 4	29° 2	28°43	28°33	3°20	M17
T 18	18 17 21	4°18'19	3♂22	15°21	18°40	2°22	6°41	23° 8	16°43	10°15	23° 6	29° 2	28°40	28°40	3°22	T 18
W19	18 21 18	5°15'29	15°26	16°58	19°38	3° 4	6°54	23°15	16°46	10°17	23° 8	29° 1	28°37	28°46	3°24	W19
T 20	18 25 14	6°12'40	27°43	18°38	20°36	3°46	7° 7	23°23	16°50	10°18	23° 9	29° 1	28°34	28°53	3°27	T 20
F 21	18 29 11	7° 9'51	10°Y17	20°22	21°35	4°27	7°20	23°31	16°53	10°19	23°11	29°D 1	28°31	29° 0	3°29	F 21
S 22	18 33 7	8° 7'02	23°11	22° 8	22°34	5° 9	7°33	23°39	16°57	10°20	23°12	29° 1	28°28	29° 6	3°31	S 22
S 23	18 37 4	9° 4'14	6♂29	23°58	23°34	5°51	7°46	23°46	17° 0	10°21	23°14	29° 2	28°24	29°13	3°33	S 23
M24	18 41 1	10° 1'26	20°14	25°51	24°34	6°32	7°58	23°54	17° 3	10°23	23°16	29° 2	28°21	29°20	3°35	M24
T 25	18 44 57	10°58'39	4II24	27°46	25°34	7°14	8°11	24° 2	17° 7	10°24	23°17	29° 3	28°18	29°26	3°37	T 25
W26	18 48 54	11°55'53	18°59	29°44	26°35	7°55	8°24	24° 9	17°10	10°25	23°19	29° 4	28°15	29°33	3°39	W26
T 27	18 52 50	12°53'07	3☽53	19°45	27°36	8°36	8°37	24°17	17°13	10°27	23°21	29°R 4	28°12	29°40	3°41	T 27
F 28	18 56 47	13°50'21	19° 0	3°47	28°37	9°18	8°49	24°24	17°17	10°28	23°22	29° 3	28° 9	29°46	3°43	F 28
S 29	19 0 43	14°47'35	4♂ 9	5°51	29°38	9°59	9° 2	24°32	17°20	10°29	23°24	29° 2	28° 5	29°53	3°45	S 29
S 30	19 4 40	15☽44'50	19♂12	7☽56	0II40	10II40	9II15	24II39	17II23	10♂31	23☽26	29II 0	28II 2	29☽59	3♂47	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n59	23n27	2n20	15n44	4s 3	10n 6	2s46	17n37	0s17	20n10	0s38	22n10	1s 2	22n48	0n 3	8n50	1n 4	24n47	3n13	23n30	23n31	23s11	11n54	0s32					
S 2	23 4	21 9	3 28	15 54	3 59	10 20	2 49	17 49	0 16	20 13	0 38	22 10	1 2	22 48	0 3	8 50	1 4	24 46	3 13	23 30	23 31	23 10	11 55	0 32					
M 3	23 8	17 31	4 21	16 6	3 55	10 34	2 51	18 1	0 16	20 15	0 38	22 11	1 2	22 49	0 3	8 49	1 4	24 46	3 13	23 30	23 31	23 10	11 56	0 32					
T 4	23 12	12 56	4 57	16 20	3 49	10 48	2 54	18 13	0 15	20 18	0 38	22 11	1 2	22 49	0 3	8 49	1 4	24 46	3 13	23 31	23 31	23 9	11 57	0 33					
W 5	23 16	7 46	5 15	16 35	3 43	11 3	2 56	18 24	0 14	20 21	0 38	22 12	1 2	22 49	0 3	8 49	1 4	24 46	3 14	23 31	23 31	23 8	11 58	0 33					
T 6	23 19	2 22	5 15	16 52	3 36	11 17	2 58	18 35	0 14	20 23	0 38	22 13	1 2	22 50	0 3	8 48	1 4	24 46	3 14	23 31	23 31	23 8	11 59	0 33					
F 7	23 22	3s 2	4 58	17 10	3 28	11 32	3 0	18 47	0 13	20 26	0 38	22 13	1 2	22 50	0 3	8 48	1 4	24 45	3 14	23 30	23 31	23 7	12 0	0 33					
S 8	23 24	8 12	4 25	17 29	3 19	11 47	3 2	18 57	0 12	20 28	0 38	22 14	1 2	22 51	0 3	8 48	1 4	24 45	3 14	23 30	23 31	23 7	12 1	0 33					
S 9	23 27	12 55	3 40	17 49	3 10	12 2	3 4	19 8	0 12	20 31	0 38	22 14	1 2	22 51	0 3	8 47	1 4	24 45	3 14	23 30	23 31	23 6	12 2	0 33					
M10	23 28	17 0	2 46	18 10	3 1	12 18	3 5	19 19	0 11	20 33	0 38	22 15	1 2	22 51	0 3	8 47	1 4	24 45	3 14	23 30	23 31	23 6	12 2	0 33					
T 11	23 29	20 17	1 44	18 32	2 50	12 33	3 6	19 29	0 10	20 36	0 38	22 15	1 2	22 52	0 3	8 47	1 4	24 44	3 14	23 30	23 30	23 5	12 3	0 33					
W12	23 30	22 38	0 39	18 54	2 40	12 49	3 7	19 39	0 10	20 38	0 38	22 16	1 2	22 52	0 3	8 46	1 4	24 44	3 14	23 30	23 30	23 4	12 4	0 33					
T 13	23 31	23 55	0s28	19 17	2 29	13 4	3 8	19 49	0 9	20 41	0 38	22 16	1 2	22 52	0 3	8 46	1 4	24 44	3 14	23 30	23 30	23 4	12 5	0 34					
F 14	23 31	24 5	1 33	19 41	2 18	13 20	3 9	19 59	0 8	20 43	0 38	22 17	1 2	22 53	0 3	8 46	1 4	24 44	3 14	23 30	23 30	23 3	12 6	0 34					
S 15	23 30	23 10	2 33	20 4	2 6	13 36	3 9	20 9	0 8	20 45	0 38	22 17	1 1	22 53	0 3	8 45	1 4	24 43	3 14	23 30	23 30	23 3	12 6	0 34					
S 16	23 29	21 13	3 27	20 27	1 54	13 51	3 10	20 18	0 7	20 48	0 38	22 18	1 1	22 54	0 3	8 45	1 4	24 43	3 14	23 30	23 30	23 2	12 7	0 34					
M17	23 28	18 22	4 12	20 51	1 42	14 7	3 10	20 27	0 6	20 50	0 38	22 18	1 1	22 54	0 4	8 44	1 4	24 43	3 14	23 30	23 30	23 1	12 8	0 34					
T 18	23 26	14 44	4 46	21 13	1 29	14 23	3 10	20 37	0 5	20 52	0 38	22 19	1 1	22 54	0 4	8 44	1 4	24 43	3 14	23 30	23 30	23 1	12 8	0 34					
W19	23 24	10 29	5 8	21 36	1 17	14 38	3 10	20 45	0 5	20 55	0 38	22 19	1 1	22 55	0 4	8 43	1 4	24 43	3 14	23 30	23 30	23 0	12 9	0 34					
T 20	23 22	5 45	5 17	21 57	1 4	14 54	3 10	20 54	0 4	20 57	0 38	22 20	1 1	22 55	0 4	8 43	1 4	24 42	3 14	23 30	23 30	22 59	12 10	0 34					
F 21	23 19	0 41	5 11	22 18	0 52	15 10	3 10	21 3	0 3	20 59	0 37	22 20	1 1	22 55	0 4	8 42	1 4	24 42	3 14	23 30	23 30	22 59	12 10	0 34					
S 22	23 16	4n33	4 50	22 37	0 39	15 25	3 9	21 11	0 3	21 1	0 37	22 21	1 1	22 56	0 4	8 42	1 4	24 42	3 14	23 30	23 30	22 58	12 11	0 35					
S 23	23 12	9 45	4 12	22 55	0 27	15 41	3 9	21 19	0 2	21 3	0 37	22 21	1 1	22 56	0 4	8 41	1 4	24 42	3 14	23 30	23 30	22 57	12 12	0 35					
M24	23 8	14 39	3 19	23 12	0 15	15 56	3 8	21 27	0 1	21 5	0 37	22 21	1 1	22 56	0 4	8 41	1 4	24 41	3 14	23 30	23 30	22 57	12 12	0 35					
T 25	23 3	18 55	2 13	23 26	0 3	16 11	3 7	21 34	0 1	21 7	0 37	22 22	1 1	22 57	0 4	8 40	1 4	24 41	3 14	23 30	23 30	22 56	12 13	0 35					
W26	22 58	22 8	0 56	23 39	0n 8	16 26	3 6	21 42	0n 0	21 10	0 37	22 22	1 1	22 57	0 4	8 40	1 4	24 41	3 14	23 30	23 30	22 55	12 13	0 35					
T 27	22 53	23 54	0n27	23 49	0 19	16 41	3 5	21 49	0 1	21 12	0 37	22 23	1 1	22 57	0 4	8 39	1 4	24 41	3 14	23 30	23 30	22 55	12 14	0 35					
F 28	22 47	23 57	1 48	23 58	0 30	16 55	3 4	21 56	0 2	21 14	0 37	22 23	1 1	22 58	0 4	8 39	1 4	24 40	3 14	23 30	23 30	22 54	12 15	0 35					
S 29	22 41	22 13	3 2	24 3	0 40	17 10	3 2	22 3	0 2	21 16	0 37	22 23	1 1	22 58	0 4	8 38	1 4	24 40	3 14	23 30	23 30	22 53	12 15	0 35					
S 30	22n35	18n57	4n 3	24n 6	0n50	17n24	3s 1	22n10	0n 3	21n17	0s37	22n24	1s 1	22n58	0n 4	8n38	1n 4	24n40	3n15	23n30	23n30	22s53	12n16	0s35					

ASTRODIENST EPHEMERIS for the year 1443
geocentric

JULY 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 8 36	16°42'05	4♍ 1	10°3 3	1II42	11II21	9II27	24II47	17II26	10III32	23III27	28°R58	27II59	0°6 6	3849	M 1
T 2	19 12 33	17°39'20	18°28	12°10	2°44	12° 2	9°39	24°54	17°30	10°34	23°29	28II56	27°56	0°13	3°50	T 2
W 3	19 16 30	18°36'35	2♊ 31	14°18	3°47	12°43	9°52	25° 2	17°33	10°35	23°31	28°55	27°53	0°20	3°52	W 3
T 4	19 20 26	19°33'51	16° 8	16°26	4°50	13°24	10° 4	25° 9	17°36	10°37	23°32	28°D54	27°49	0°26	3°54	T 4
F 5	19 24 23	20°31'07	29°21	18°34	5°53	14° 5	10°16	25°17	17°39	10°38	23°34	28°54	27°46	0°33	3°55	F 5
S 6	19 28 19	21°28'23	12III11	20°42	6°56	14°46	10°28	25°24	17°42	10°40	23°36	28°55	27°43	0°40	3°57	S 6
S 7	19 32 16	22°25'39	24°43	22°49	8° 0	15°26	10°40	25°31	17°45	10°42	23°37	28°57	27°40	0°46	3°58	S 7
M 8	19 36 12	23°22'56	7♊ 9	24°55	9° 3	16° 7	10°52	25°39	17°48	10°43	23°39	28°58	27°37	0°53	3°59	M 8
T 9	19 40 9	24°20'14	19° 5	27° 0	10° 7	16°47	11° 4	25°46	17°51	10°45	23°41	28°59	27°34	1° 0	4° 1	T 9
W10	19 44 5	25°17'32	1♊ 3	29° 5	11°12	17°28	11°16	25°53	17°54	10°47	23°42	29°R 0	27°30	1° 6	4° 2	W10
T 11	19 48 2	26°14'50	12°55	1♊ 8	12°16	18° 8	11°28	26° 0	17°57	10°48	23°44	28°59	27°27	1°13	4° 3	T 11
F 12	19 51 59	27°12'10	24°45	3°10	13°21	18°49	11°40	26° 7	18° 0	10°50	23°46	28°57	27°24	1°20	4° 4	F 12
S 13	19 55 55	28° 9'30	6♊ 34	5°10	14°26	19°29	11°51	26°14	18° 3	10°52	23°47	28°53	27°21	1°26	4° 6	S 13
S 14	19 59 52	29° 6'51	18°25	7° 9	15°31	20° 9	12° 3	26°22	18° 6	10°53	23°49	28°49	27°18	1°33	4° 7	S 14
M15	20 3 48	0♊ 4'13	0♊ 19	9° 6	16°36	20°50	12°14	26°29	18° 9	10°55	23°51	28°43	27°15	1°40	4° 8	M15
T 16	20 7 45	1° 1'35	12°19	11° 2	17°41	21°30	12°26	26°35	18°12	10°57	23°52	28°38	27°11	1°46	4° 8	T 16
W17	20 11 41	1°58'59	24°28	12°56	18°47	22°10	12°37	26°42	18°15	10°59	23°54	28°33	27° 8	1°53	4° 9	W17
T 18	20 15 38	2°56'24	6♊ 47	14°49	19°53	22°50	12°48	26°49	18°18	11° 1	23°56	28°29	27° 5	2° 0	4°10	T 18
F 19	20 19 34	3°53'50	19°21	16°40	20°59	23°30	12°59	26°56	18°20	11° 2	23°57	28°26	27° 2	2° 6	4°11	F 19
S 20	20 23 31	4°51'18	2♊ 12	18°29	22° 5	24°10	13°10	27° 3	18°23	11° 4	23°59	28°D25	26°59	2°13	4°12	S 20
S 21	20 27 28	5°48'47	15°24	20°17	23°12	24°49	13°21	27°10	18°26	11° 6	24° 1	28°25	26°55	2°20	4°12	S 21
M22	20 31 24	6°46'17	28°59	22° 3	24°18	25°29	13°32	27°16	18°28	11° 8	24° 2	28°27	26°52	2°26	4°13	M22
T 23	20 35 21	7°43'49	13II 0	23°48	25°25	26° 9	13°43	27°23	18°31	11°10	24° 4	28°28	26°49	2°33	4°13	T 23
W24	20 39 17	8°41'22	27°26	25°31	26°32	26°49	13°53	27°30	18°34	11°12	24° 6	28°R29	26°46	2°40	4°14	W24
T 25	20 43 14	9°38'56	12°51	27°13	27°39	27°28	14° 4	27°36	18°36	11°14	24° 7	28°28	26°43	2°46	4°14	T 25
F 26	20 47 10	10°36'32	27°20	28°53	28°46	28° 8	14°14	27°43	18°39	11°16	24° 9	28°25	26°40	2°53	4°15	F 26
S 27	20 51 7	11°34'09	12♊ 34	0♊ 31	29°53	28°47	14°25	27°49	18°41	11°18	24°10	28°21	26°36	3° 0	4°15	S 27
S 28	20 55 3	12°31'48	27°46	2° 8	1♊ 1	29°26	14°35	27°55	18°44	11°20	24°12	28°15	26°33	3° 6	4°15	S 28
M29	20 59 0	13°29'27	12♊ 46	3°44	2° 9	0♊ 6	14°45	28° 2	18°46	11°22	24°14	28° 8	26°30	3°13	4°15	M29
T 30	21 2 57	14°27'07	27°25	5°18	3°16	0°45	14°55	28° 8	18°48	11°24	24°15	28° 2	26°27	3°20	4°15	T 30
W31	21 6 53	15°24'49	11♊ 37	6♊ 50	4♊ 24	1♊ 24	15II 5	28II14	18II51	11III26	24III17	27II56	26II24	3°27	4°R15	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	22n28	14n30	4n46	24n 6	0n59	17n38	3s 0	22n16	0n 4	21n19	0s37	22n24	1s 1	22n59	0n 4	8n37
T 2	22 21	9 20	5 10	24 4	1 7	17 52	2 58	22 23	0 5	21 21	0 37	22 24	1 1	22 59	0 4	8 37
W 3	22 13	3 49	5 15	23 58	1 14	18 5	2 56	22 29	0 5	21 23	0 37	22 25	1 1	22 59	0 4	8 36
T 4	22 5	1s44	5 2	23 50	1 21	18 18	2 54	22 35	0 6	21 25	0 37	22 25	1 0	23 0	0 4	8 35
F 5	21 56	7 2	4 32	23 39	1 27	18 31	2 52	22 40	0 7	21 27	0 37	22 25	1 0	23 0	0 4	8 35
S 6	21 48	11 53	3 50	23 26	1 32	18 44	2 50	22 46	0 7	21 28	0 37	22 26	1 0	23 0	0 4	8 34
S 7	21 38	16 8	2 58	23 10	1 37	18 56	2 48	22 51	0 8	21 30	0 37	22 26	1 0	23 0	0 4	8 34
M 8	21 29	19 36	1 58	22 51	1 40	19 8	2 46	22 56	0 9	21 32	0 37	22 26	1 0	23 1	0 4	8 33
T 9	21 19	22 10	0 54	22 30	1 43	19 20	2 44	23 1	0 10	21 34	0 37	22 26	1 0	23 1	0 4	8 32
W10	21 9	23 42	0s11	22 7	1 45	19 31	2 41	23 5	0 10	21 35	0 37	22 27	1 0	23 1	0 4	8 32
T 11	20 58	24 8	1 16	21 42	1 47	19 42	2 39	23 10	0 11	21 37	0 37	22 27	1 0	23 2	0 4	8 31
F 12	20 47	23 29	2 17	21 15	1 48	19 53	2 36	23 14	0 12	21 39	0 37	22 27	1 0	23 2	0 4	8 30
S 13	20 36	21 46	3 11	20 46	1 48	20 3	2 34	23 18	0 13	21 40	0 37	22 27	1 0	23 2	0 4	8 30
S 14	20 24	19 7	3 58	20 16	1 47	20 13	2 31	23 22	0 13	21 42	0 37	22 28	1 0	23 2	0 4	8 29
M15	20 12	15 40	4 35	19 44	1 46	20 22	2 28	23 26	0 14	21 43	0 37	22 28	1 0	23 3	0 4	8 28
T 16	19 59	11 34	4 59	19 11	1 44	20 31	2 26	23 29	0 15	21 45	0 37	22 28	1 0	23 3	0 4	8 28
W17	19 47	6 58	5 11	18 36	1 42	20 40	2 23	23 32	0 16	21 46	0 37	22 28	1 0	23 3	0 4	8 27
T 18	19 34	2 1	5 8	18 1	1 39	20 48	2 20	23 35	0 16	21 48	0 37	22 28	1 0	23 3	0 4	8 26
F 19	19 20	3n 6	4 51	17 24	1 35	20 56	2 17	23 38	0 17	21 49	0 37	22 29	1 0	23 4	0 4	8 25
S 20	19 7	8 13	4 19	16 47	1 31	21 3	2 14	23 41	0 18	21 50	0 37	22 29	1 0	23 4	0 4	8 25
S 21	18 53	13 6	3 33	16 9	1 27	21 10	2 11	23 43	0 19	21 52	0 37	22 29	1 0	23 4	0 4	8 24
M22	18 38	17 30	2 34	15 30	1 22	21 16	2 8	23 45	0 19	21 53	0 37	22 29	1 0	23 4	0 4	8 23
T 23	18 24	21 3	1 23	14 51	1 17	21 22	2 4	23 47	0 20	21 54	0 37	22 29	1 0	23 5	0 4	8 23
W24	18 9	23 24	0 6	14 11	1 12	21 27	2 1	23 49	0 21	21 56	0 37	22 29	1 0	23 5	0 4	8 22
T 25	17 53	24 11	1n14	13 30	1 6	21 32	1 58	23 51	0 22	21 57	0 37	22 29	1 0	23 5	0 4	8 21
F 26	17 38	23 12	2 30	12 50	0 59	21 36	1 54	23 52	0 22	21 58	0 37	22 30	1 0	23 5	0 4	8 20
S 27	17 22	20 32	3 36	12 9	0 53	21 40	1 51	23 54	0 23	22 0	0 37	22 30	1 0	23 6	0 4	8 20
S 28	17 6	16 27	4 26	11 28	0 46	21 43	1 48	23 55	0 24	22 1	0 37	22 30	1 0	23 6	0 4	8 19
M29	16 49	11 22	4 58	10 46	0 39	21 45	1 44	23 55	0 25	22 2	0 37	22 30	1 0	23 6	0 4	8 18
T 30	16 33	5 45	5 8	10 5	0 31	21 47	1 41	23 56	0 25	22 3	0 37	22 30	1 0	23 6	0 4	8 17
W31	16n16	0s 1	5n 0	9n24	0n24	21n49	1s37	23n57	0n26	22n 4	0s37	22n30	1s 0	23n 6	0n 4	8n16

Julian Day Number = 2248294.5, Delta T = 06m41s

Ecliptic obliquity = 23°30'42", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°58'36", Lahiri = 16°05'36" Julian Calendar 1 July 1443 == Greg. Calendar 10 July 1443

ASTRODIENST EPHEMERIS for the year 1443

geocentric

AUGUST 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 10 50	16°22'31	25°21	8°21	5°32	2°3	15°11	28°20	18°53	11°28	24°18	27°R52	26°20	3°33	4°R15	T 1
F 2	21 14 46	17°20'15	8°36	9°51	6°41	2°42	15°25	28°26	18°55	11°30	24°20	27°R50	26°17	3°40	4°R15	F 2
S 3	21 18 43	18°18'00	21°26	11°19	7°49	3°21	15°34	28°32	18°57	11°32	24°22	27°D50	26°14	3°47	4°15	S 3
S 4	21 22 39	19°15'46	3°54	12°45	8°58	4°0	15°44	28°38	19°0	11°34	24°23	27°51	26°11	3°53	4°15	S 4
M 5	21 26 36	20°13'33	16°6	14°10	10°6	4°39	15°53	28°44	19°2	11°36	24°25	27°52	26°8	4°0	4°15	M 5
T 6	21 30 32	21°11'21	28°5	15°33	11°15	5°17	16°3	28°50	19°4	11°38	24°26	27°R52	26°5	4°7	4°15	T 6
W 7	21 34 29	22°9'11	9°57	16°55	12°24	5°56	16°12	28°56	19°6	11°40	24°28	27°52	26°1	4°13	4°14	W 7
T 8	21 38 26	23°7'02	21°46	18°14	13°33	6°35	16°21	29°2	19°8	11°43	24°29	27°49	25°58	4°20	4°14	T 8
F 9	21 42 22	24°4'54	3°34	19°33	14°42	7°13	16°30	29°7	19°10	11°45	24°31	27°43	25°55	4°27	4°13	F 9
S 10	21 46 19	25°2'48	15°26	20°49	15°51	7°52	16°38	29°13	19°12	11°47	24°32	27°36	25°52	4°33	4°13	S 10
S 11	21 50 15	26°0'43	27°22	22°4	17°1	8°30	16°47	29°18	19°14	11°49	24°34	27°26	25°49	4°40	4°12	S 11
M12	21 54 12	26°58'40	9°24	23°17	18°10	9°8	16°56	29°24	19°15	11°51	24°35	27°15	25°46	4°47	4°11	M12
T 13	21 58 8	27°56'38	21°33	24°27	19°20	9°47	17°4	29°29	19°17	11°53	24°37	27°4	25°42	4°53	4°11	T 13
W14	22 2 5	28°54'39	3°51	25°36	20°29	10°25	17°12	29°34	19°19	11°56	24°38	26°53	25°39	5°0	4°10	W14
T 15	22 6 1	29°52'41	16°20	26°43	21°39	11°3	17°20	29°39	19°21	11°58	24°39	26°45	25°36	5°7	4°9	T 15
F 16	22 9 58	0°50'44	29°0	27°47	22°49	11°41	17°28	29°44	19°22	12°0	24°41	26°38	25°33	5°13	4°8	F 16
S 17	22 13 55	1°48'50	11°54	28°49	23°59	12°19	17°36	29°49	19°24	12°2	24°42	26°34	25°30	5°20	4°7	S 17
S 18	22 17 51	2°46'58	25°4	29°49	25°10	12°57	17°44	29°54	19°25	12°4	24°44	26°32	25°26	5°27	4°6	S 18
M19	22 21 48	3°45'08	8°33	0°46	26°20	13°35	17°52	29°59	19°27	12°7	24°45	26°D32	25°23	5°33	4°5	M19
T 20	22 25 44	4°43'20	22°23	1°40	27°30	14°12	17°59	0°54	19°28	12°9	24°46	26°R32	25°20	5°40	4°4	T 20
W21	22 29 41	5°41'34	6°26	2°31	28°41	14°50	18°6	0°9	19°30	12°11	24°48	26°32	25°17	5°47	4°3	W21
T 22	22 33 37	6°39'50	21°9	3°19	29°52	15°28	18°14	0°13	19°31	12°13	24°49	26°30	25°14	5°53	4°2	T 22
F 23	22 37 34	7°38'09	6°0	4°4	1°0	16°5	18°21	0°18	19°33	12°15	24°50	26°25	25°11	6°0	4°1	F 23
S 24	22 41 30	8°36'29	21°2	4°45	2°13	16°43	18°28	0°23	19°34	12°18	24°52	26°18	25°7	6°7	3°59	S 24
S 25	22 45 27	9°34'51	6°1	5°22	3°24	17°20	18°34	0°27	19°35	12°20	24°53	26°9	25°4	6°13	3°58	S 25
M26	22 49 24	10°33'15	21°3	5°55	4°35	17°57	18°41	0°31	19°36	12°22	24°54	25°58	25°1	6°20	3°56	M26
T 27	22 53 20	11°31'40	5°44	6°23	5°46	18°34	18°47	0°35	19°37	12°24	24°55	25°47	24°58	6°27	3°55	T 27
W28	22 57 17	12°30'08	20°0	6°47	6°58	19°12	18°53	0°40	19°38	12°27	24°57	25°38	24°55	6°33	3°53	W28
T 29	23 1 13	13°28'37	3°48	7°5	8°9	19°49	19°0	0°44	19°39	12°29	24°58	25°30	24°52	6°40	3°52	T 29
F 30	23 5 10	14°27'08	17°8	7°18	9°20	20°26	19°6	0°47	19°40	12°31	24°59	25°25	24°48	6°47	3°50	F 30
S 31	23 9 6	15°25'40	0°1	7°25	10°32	21°2	19°11	0°51	19°41	12°33	25°0	25°23	24°45	6°53	3°48	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	15n59	5s35	4n34	8n42	0n16	21n50	1s34	23n57	0n27	22n 5	0s37	22n30	1s 0	23n 7	0n 4	T 1
F 2	15 41	10 43	3 54	8 1	0 8	21 50	1 30	23 57	0 28	22 6	0 37	22 30	1 0	23 7	0 4	F 2
S 3	15 23	15 13	3 4	7 20	0s 1	21 50	1 27	23 57	0 29	22 7	0 37	22 30	1 0	23 7	0 4	S 3
S 4	15 5	18 56	2 6	6 39	0 9	21 49	1 23	23 56	0 29	22 8	0 37	22 30	1 0	23 7	0 4	S 4
M 5	14 47	21 44	1 3	5 59	0 18	21 48	1 20	23 56	0 30	22 9	0 37	22 31	1 0	23 7	0 4	M 5
T 6	14 19	23 31	0s 1	5 18	0 26	21 46	1 16	23 55	0 31	22 10	0 37	22 31	1 0	23 8	0 4	T 6
W 7	14 10	24 13	1 5	4 39	0 35	21 44	1 12	23 54	0 32	22 11	0 37	22 31	1 0	23 8	0 4	W 7
T 8	13 51	23 48	2 5	3 59	0 44	21 41	1 9	23 53	0 33	22 12	0 37	22 31	1 0	23 8	0 4	T 8
F 9	13 32	22 19	2 59	3 20	0 53	21 37	1 5	23 52	0 33	22 13	0 37	22 31	1 0	23 8	0 4	F 9
S 10	13 13	19 51	3 46	2 41	1 3	21 33	1 2	23 51	0 34	22 14	0 37	22 31	1 0	23 8	0 4	S 10
S 11	12 53	16 33	4 23	2 3	1 12	21 28	0 58	23 49	0 35	22 15	0 37	22 31	1 0	23 9	0 4	S 11
M12	12 33	12 32	4 49	1 26	1 21	21 23	0 54	23 47	0 36	22 16	0 37	22 31	1 0	23 9	0 4	M12
T 13	12 13	7 59	5 2	0 49	1 30	21 17	0 51	23 45	0 36	22 16	0 37	22 31	1 0	23 9	0 4	T 13
W14	11 53	3 4	5 1	0 14	1 40	21 10	0 47	23 43	0 37	22 17	0 37	22 31	1 0	23 9	0 4	W14
T 15	11 33	2n 2	4 46	0s22	1 49	21 3	0 43	23 41	0 38	22 18	0 37	22 31	1 0	23 9	0 4	T 15
F 16	11 12	7 9	4 17	0 56	1 58	20 55	0 40	23 39	0 39	22 19	0 37	22 31	1 0	23 9	0 4	F 16
S 17	10 52	12 3	3 34	1 29	2 8	20 47	0 36	23 36	0 40	22 20	0 37	22 31	1 0	23 9	0 4	S 17
S 18	10 31	16 31	2 39	2 1	2 17	20 38	0 33	23 33	0 41	22 20	0 37	22 31	1 0	23 10	0 4	S 18
M19	10 10	20 15	1 34	2 32	2 26	20 28	0 29	23 30	0 41	22 21	0 37	22 31	1 0	23 10	0 4	M19
T 20	9 48	22 56	0 22	3 2	2 35	20 18	0 25	23 27	0 42	22 22	0 37	22 31	1 0	23 10	0 4	T 20
W21	9 27	24 14	0n53	3 30	2 44	20 8	0 22	23 24	0 43	22 22	0 37	22 31	1 0	23 10	0 4	W21
T 22	9 6	23 56	2 7	3 58	2 52	19 56	0 18	23 20	0 44	22 23	0 37	22 31	1 0	23 10	0 4	T 22
F 23	8 44	21 57	3 13	4 23	3 1	19 45	0 15	23 17	0 45	22 24	0 37	22 31	1 0	23 10	0 4	F 23
S 24	8 22	18 25	4 7	4 47	3 9	19 32	0 11	23 13	0 45	22 24	0 37	22 31	1 0	23 10	0 4	S 24
S 25	8 0	13 41	4 44	5 9	3 16	19 19	0 8	23 9	0 46	22 25	0 37	22 31	1 0	23 10	0 4	S 25
M26	7 38	8 9	5 0	5 28	3 24	19 6	0 5	23 5	0 47	22 25	0 37	22 31	1 0	23 11	0 4	M26
T 27	7 16	2 16	4 57	5 46	3 31	18 52	0 1	23 1	0 48	22 26	0 37	22 31	1 0	23 11	0 4	T 27
W28	6 53	3s36	4 35	6 1	3 37	18 37	0n 2	22 56	0 49	22 26	0 37	22 31	1 0	23 11	0 4	W28
T 29	6 31	9 6	3 57	6 14	3 43	18 22	0 5	22 52	0 50	22 27	0 37	22 31	1 0	23 11	0 4	T 29
F 30	6 8	14 0	3 8	6 24	3 48	18 7	0 9	22 47	0 50	22 27	0 37	22 31	1 0	23 11	0 4	F 30
S 31	5n46	18s 6	2n10	6s30	3s52	17n50	0n12	22n42	0n51	22n28	0s37	22n31	1s 0	23n11	0n 4	S 31

Julian Day Number = 2248325.5, Delta T = 06m41s

Ecliptic obliquity = 23°30'42", Nutation = - 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°58'40", Lahiri = 16°05'40" Julian Calendar 1 Aug. 1443 == Greg. Calendar 10 Aug. 1443

ASTRODIENST EPHEMERIS for the year 1443

geocentric

SEPTEMBER 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 13 3	16 ¹¹ 24'14	12 ¹⁷ 30	7 ¹⁹ 26	11 ¹¹ 44	21 ¹⁵ 39	19 ¹¹ 17	0 ¹⁵ 55	19 ¹¹ 42	12 ¹¹ 35	25 ¹⁵ 1	25 ¹⁵ D22	24 ¹¹ 42	7 ¹⁵ 0	3 ¹⁹ 47	S 1
M 2	23 16 59	17 ¹² 22'50	24 ¹⁴ 41	7 ¹⁵ 21	12 ¹⁵ 55	22 ¹⁶ 16	19 ¹² 22	0 ¹⁵ 59	19 ¹⁴ 43	12 ¹³ 38	25 ¹⁵ 2	25 ¹⁵ R22	24 ¹³ 39	7 ¹⁵ 7	3 ¹⁹ 45	M 2
T 3	23 20 56	18 ¹² 21'28	6 ¹³ 40	7 ¹⁵ 8	14 ¹⁵ 7	22 ¹⁵ 53	19 ¹² 28	1 ¹⁵ 2	19 ¹⁴ 44	12 ¹⁴ 40	25 ¹⁵ 4	25 ¹⁵ II22	24 ¹³ 36	7 ¹⁵ 14	3 ¹⁹ 43	T 3
W 4	23 24 53	19 ¹² 20'07	18 ¹³ 31	6 ¹⁴ 49	15 ¹⁵ 19	23 ¹⁵ 29	19 ¹³ 33	1 ¹⁵ 6	19 ¹⁴ 44	12 ¹⁴ 42	25 ¹⁵ 5	25 ¹⁵ 20	24 ¹³ 32	7 ¹⁵ 20	3 ¹⁹ 41	W 4
T 5	23 28 49	20 ¹² 18'48	0 ¹³ 19	6 ¹⁵ 22	16 ¹⁵ 31	24 ¹⁵ 5	19 ¹³ 38	1 ¹⁵ 9	19 ¹⁴ 45	12 ¹⁴ 44	25 ¹⁵ 6	25 ¹⁵ 16	24 ¹³ 29	7 ¹⁵ 27	3 ¹⁹ 39	T 5
F 6	23 32 46	21 ¹² 17'31	12 ¹⁵ 9	5 ¹⁵ 48	17 ¹⁵ 43	24 ¹⁵ 42	19 ¹⁴ 42	1 ¹⁵ 12	19 ¹⁴ 46	12 ¹⁴ 47	25 ¹⁵ 7	25 ¹⁵ 9	24 ¹³ 26	7 ¹⁵ 34	3 ¹⁹ 37	F 6
S 7	23 36 42	22 ¹² 16'16	24 ¹⁵ 5	5 ¹⁵ 8	18 ¹⁵ 55	25 ¹⁵ 18	19 ¹⁴ 47	1 ¹⁵ 16	19 ¹⁴ 46	12 ¹⁴ 49	25 ¹⁵ 8	24 ¹⁵ 9	24 ¹³ 23	7 ¹⁵ 40	3 ¹⁹ 35	S 7
S 8	23 40 39	23 ¹² 15'02	6 ¹⁵ 8	4 ¹⁵ 20	20 ¹⁵ 7	25 ¹⁵ 54	19 ¹⁵ 51	1 ¹⁵ 19	19 ¹⁴ 47	12 ¹⁵ 51	25 ¹⁵ 9	24 ¹⁵ 48	24 ¹³ 20	7 ¹⁵ 47	3 ¹⁹ 33	S 8
M 9	23 44 35	24 ¹² 13'51	18 ¹⁵ 21	3 ¹⁵ 27	21 ¹⁵ 20	26 ¹⁵ 30	19 ¹⁵ 56	1 ¹⁵ 22	19 ¹⁴ 47	12 ¹⁵ 53	25 ¹⁵ 10	24 ¹⁵ 34	24 ¹³ 17	7 ¹⁵ 54	3 ¹⁹ 31	M 9
T 10	23 48 32	25 ¹² 12'41	0 ¹⁵ 43	2 ¹⁵ 28	22 ¹⁵ 32	27 ¹⁵ 6	20 ¹⁵ 0	1 ¹⁵ 25	19 ¹⁴ 48	12 ¹⁵ 55	25 ¹⁵ 11	24 ¹⁵ 20	24 ¹³ 13	8 ¹⁵ 0	3 ¹⁹ 29	T 10
W 11	23 52 28	26 ¹² 11'33	13 ¹⁵ 17	1 ¹⁵ 24	23 ¹⁵ 44	27 ¹⁵ 42	20 ¹⁵ 4	1 ¹⁵ 27	19 ¹⁴ 48	12 ¹⁵ 58	25 ¹⁵ 12	24 ¹⁵ 7	24 ¹³ 10	8 ¹⁵ 7	3 ¹⁹ 26	W 11
T 12	23 56 25	27 ¹² 10'28	26 ¹⁵ 1	0 ¹⁵ 18	24 ¹⁵ 57	28 ¹⁵ 18	20 ¹⁵ 7	1 ¹⁵ 30	19 ¹⁴ 48	13 ¹⁵ 0	25 ¹⁵ 13	23 ¹⁵ 56	24 ¹³ 7	8 ¹⁵ 14	3 ¹⁹ 24	T 12
F 13	0 0 21	28 ¹² 9'25	8 ¹⁵ 57	29 ¹⁵ 10	26 ¹⁵ 9	28 ¹⁵ 54	20 ¹⁵ 11	1 ¹⁵ 33	19 ¹⁴ 49	13 ¹⁵ 2	25 ¹⁵ 14	23 ¹⁵ 47	24 ¹³ 4	8 ¹⁵ 20	3 ¹⁹ 22	F 13
S 14	0 4 18	29 ¹² 8'24	22 ¹⁵ 3	28 ¹⁵ 3	27 ¹⁵ 22	29 ¹⁵ 30	20 ¹⁵ 14	1 ¹⁵ 35	19 ¹⁴ 49	13 ¹⁵ 4	25 ¹⁵ 14	23 ¹⁵ 42	24 ¹³ 1	8 ¹⁵ 27	3 ¹⁹ 20	S 14
S 15	0 8 15	0 ¹² 7'25	5 ¹⁵ 21	26 ¹⁵ 57	28 ¹⁵ 35	0 ¹⁵ 5	20 ¹⁵ 17	1 ¹⁵ 37	19 ¹⁴ 49	13 ¹⁵ 6	25 ¹⁵ 15	23 ¹⁵ 39	23 ¹⁵ 57	8 ¹⁵ 34	3 ¹⁹ 17	S 15
M 16	0 12 11	1 ¹² 6'29	18 ¹⁵ 53	25 ¹⁵ 55	29 ¹⁵ 48	0 ¹⁵ 41	20 ¹⁵ 20	1 ¹⁵ 40	19 ¹⁴ 49	13 ¹⁵ 8	25 ¹⁵ 16	23 ¹⁵ 38	23 ¹⁵ 54	8 ¹⁵ 40	3 ¹⁹ 15	M 16
T 17	0 16 8	2 ¹² 5'35	2 ¹⁵ 39	24 ¹⁵ 59	1 ¹⁵ 1	1 ¹⁵ 16	20 ¹⁵ 23	1 ¹⁵ 42	19 ¹⁴ 49	13 ¹⁵ 10	25 ¹⁵ 17	23 ¹⁵ 38	23 ¹⁵ 51	8 ¹⁵ 47	3 ¹⁹ 12	T 17
W 18	0 20 4	3 ¹² 4'44	16 ¹⁵ 41	24 ¹⁵ 10	2 ¹⁵ 14	1 ¹⁵ 51	20 ¹⁵ 26	1 ¹⁵ 44	19 ¹⁴ 49	13 ¹⁵ 13	25 ¹⁵ 18	23 ¹⁵ 37	23 ¹⁵ 48	8 ¹⁵ 54	3 ¹⁹ 10	W 18
T 19	0 24 1	4 ¹² 3'54	0 ¹⁵ 58	23 ¹⁵ 29	3 ¹⁵ 27	2 ¹⁵ 26	20 ¹⁵ 28	1 ¹⁵ 46	19 ¹⁴ 49	13 ¹⁵ 15	25 ¹⁵ 19	23 ¹⁵ 35	23 ¹⁵ 45	9 ¹⁵ 0	3 ¹⁹ 7	T 19
F 20	0 27 57	5 ¹² 3'08	15 ¹⁵ 28	22 ¹⁵ 57	4 ¹⁵ 40	3 ¹⁵ 2	20 ¹⁵ 30	1 ¹⁵ 48	19 ¹⁴ 49	13 ¹⁵ 17	25 ¹⁵ 19	23 ¹⁵ 31	23 ¹⁵ 42	9 ¹⁵ 7	3 ¹⁹ 5	F 20
S 21	0 31 54	6 ¹² 2'23	0 ¹⁵ 10	22 ¹⁵ 36	5 ¹⁵ 53	3 ¹⁵ 37	20 ¹⁵ 32	1 ¹⁵ 49	19 ¹⁴ 49	13 ¹⁵ 19	25 ¹⁵ 20	23 ¹⁵ 23	23 ¹⁵ 38	9 ¹⁵ 14	3 ¹⁹ 2	S 21
S 22	0 35 50	7 ¹² 1'41	14 ¹⁵ 51	22 ¹⁵ D25	7 ¹⁵ 7	4 ¹⁵ 11	20 ¹⁵ 34	1 ¹⁵ 51	19 ¹⁴ 48	13 ¹⁵ 21	25 ¹⁵ 21	23 ¹⁵ 13	23 ¹⁵ 35	9 ¹⁵ 20	2 ¹⁹ 59	S 22
M 23	0 39 47	8 ¹² 1'01	29 ¹⁵ 29	22 ¹⁵ 25	8 ¹⁵ 20	4 ¹⁵ 46	20 ¹⁵ 36	1 ¹⁵ 53	19 ¹⁴ 48	13 ¹⁵ 23	25 ¹⁵ 21	23 ¹⁵ 2	23 ¹⁵ 32	9 ¹⁵ 27	2 ¹⁹ 57	M 23
T 24	0 43 44	9 ¹² 0'22	13 ¹⁵ 26	22 ¹⁵ 36	9 ¹⁵ 33	5 ¹⁵ 21	20 ¹⁵ 37	1 ¹⁵ 54	19 ¹⁴ 48	13 ¹⁵ 25	25 ¹⁵ 22	22 ¹⁵ 51	23 ¹⁵ 29	9 ¹⁵ 34	2 ¹⁹ 54	T 24
W 25	0 47 40	9 ¹² 59'46	28 ¹⁵ 4	22 ¹⁵ 57	10 ¹⁵ 47	5 ¹⁵ 55	20 ¹⁵ 38	1 ¹⁵ 55	19 ¹⁴ 47	13 ¹⁵ 27	25 ¹⁵ 23	22 ¹⁵ 41	23 ¹⁵ 26	9 ¹⁵ 41	2 ¹⁹ 51	W 25
T 26	0 51 37	10 ¹² 59'12	11 ¹⁵ 49	23 ¹⁵ 28	12 ¹⁵ 0	6 ¹⁵ 30	20 ¹⁵ 39	1 ¹⁵ 57	19 ¹⁴ 47	13 ¹⁵ 29	25 ¹⁵ 23	22 ¹⁵ 32	23 ¹⁵ 23	9 ¹⁵ 47	2 ¹⁹ 49	T 26
F 27	0 55 33	11 ¹² 58'40	25 ¹⁵ 8	24 ¹⁵ 8	13 ¹⁵ 14	7 ¹⁵ 4	20 ¹⁵ 40	1 ¹⁵ 58	19 ¹⁴ 47	13 ¹⁵ 31	25 ¹⁵ 24	22 ¹⁵ 27	23 ¹⁵ 19	9 ¹⁵ 54	2 ¹⁹ 46	F 27
S 28	0 59 30	12 ¹² 58'10	8 ¹⁵ 2	24 ¹⁵ 57	14 ¹⁵ 28	7 ¹⁵ 38	20 ¹⁵ 41	1 ¹⁵ 59	19 ¹⁴ 46	13 ¹⁵ 33	25 ¹⁵ 24	22 ¹⁵ 24	23 ¹⁵ 16	10 ¹⁵ 1	2 ¹⁹ 43	S 28
S 29	1 3 26	13 ¹² 57'42	20 ¹⁵ 33	25 ¹⁵ 54	15 ¹⁵ 41	8 ¹⁵ 12	20 ¹⁵ 41	1 ¹⁵ 59	19 ¹⁴ 45	13 ¹⁵ 35	25 ¹⁵ 25	22 ¹⁵ D23	23 ¹⁵ 13	10 ¹⁵ 7	2 ¹⁹ 40	S 29
M 30	1 7 23	14 ¹² 57'15	2 ¹⁵ 46	26 ¹⁵ 57	16 ¹⁵ 55	8 ¹⁵ 46	20 ¹⁵ 42	2 ¹⁵ 0	19 ¹⁴ 45	13 ¹⁵ 37	25 ¹⁵ 25	22 ¹⁵ II23	23 ¹⁵ II10	10 ¹⁵ 14	2 ¹⁹ 37	M 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	5n23	21s15	1n 8	6s34	3s55	17n34	0n15	22n37	0n52	22n28	0s37	22n31	1s 0	23n11	0n 4	7n50	1n 3	24n29	3n21	23n26	23n24	21s56	12n 8	0s43			
M 2	5 0	23 21	0 4	6 34	3 58	17 17	0 18	22 32	0 53	22 29	0 37	22 30	1 0	23 11	0 4	7 49	1 3	24 29	3 21	23 26	23 24	21 55	12 7	0 44			
T 3	4 37	24 20	1s 0	6 30	3 59	16 59	0 21	22 27	0 54	22 29	0 37	22 30	1 0	23 11	0 4	7 48	1 3	24 29	3 21	23 26	23 24	21 54	12 7	0 44			
W 4	4 14	24 12	1 59	6 22	3 59	16 41	0 24	22 22	0 55	22 29	0 37	22 30	1 0	23 11	0 4	7 47	1 3	24 29	3 21	23 26	23 24	21 53	12 6	0 44			
T 5	3 51	22 58	2 54	6 10	3 57	16 22	0 27	22 16	0 55	22 30	0 37	22 30	1 0	23 11	0 4	7 46	1 3	24 28	3 21	23 26	23 24	21 51	12 5	0 44			
F 6	3 28	20 44	3 40	5 53	3 54	16 3	0 30	22 10	0 56	22 30	0 37	22 30	1 0	23 11	0 4	7 46	1 3	24 28	3 21	23 25	23 24	21 50	12 4	0 44			
S 7	3 5	17 35	4 18	5 33	3 49	15 44	0 33	22 5	0 57	22 31	0 37	22 30	1 0	23 11	0 4	7 45	1 3	24 28	3 21	23 25	23 24	21 49	12 3	0 44			
S 8	2 41	13 41	4 44	5 8	3 42	15 23	0 36	21 59	0 58	22 31	0 37	22 30	1 0	23 12	0 4	7 44	1 3	24 28	3 22	23 25	23 23	21 48	12 3	0 44			
M 9	2 18	9 11	4 58	4 38	3 34	15 3	0 39	21 53	0 59	22 31	0 37	22 30	1 0	23 12	0 5	7 43	1 3	24 28	3 22	23 24	23 23	21 47	12 2	0 44			
T 10	1 54	4 16	4 58	4 5	3 23	14 42	0 42	21 47	1 0	22 31	0 37	22 30	1 0	23 12	0 5	7 42	1 4	24 28	3 22	23 23	23 23	21 46	12 1	0 44			
W 11	1 31	0n55	4 43	3 28	3 11	14 21	0 44	21 40	1 1	22 32	0 37	22 30	1 0	23 12	0 5	7 41	1 4	24 28	3 22	23 23	23 23	21 45	12 0	0 45			
T 12	1 8	6 7	4 15	2 49	2 56	13 59	0 47	21 34	1 2	22 32	0 37	22 30	1 0	23 12	0 5	7 41	1 4	24 28	3 22	23 22	23 23	21 43	11 59	0 45			
F 13	0 44	11 10	3 33	2 7	2 40	13 37	0 50	21 28	1 2	22 32	0 37	22 30	1 0	23 12	0 5	7 40	1 4	24 28	3 22	23 22	23 23	21 42	11 58	0 45			
S 14	0 21	15 47	2 39	1 24	2 23	13 14	0 52	21 21	1 3	22 33	0 37	22 30	1 0	23 12	0 5	7 39	1 4	24 28	3 22	23 22	23 23	21 41	11 57	0 45			
S 15	0s 3	19 42	1 35	0 41	2 4	12 51	0 55	21 14	1 4	22 33	0 37	22 30	1 0	23 12	0 5	7 38	1 4	24 28	3 23	23 22	23 22	21 40	11 56	0 45			
M 16	0 27	22 38	0 25	0n 2	1 44	12 28	0 57	21 8	1 5	22 33	0 37	22 30	1 0	23 12	0 5	7 37	1 4	24 28	3 23	23 21	23 22	21 39	11 56	0 45			
T 17	0 50	24 17	0n48	0 43	1 24	12 4	0 59	21 1	1 6	22 33	0 37	22 30	1 0	23 12	0 5	7 37	1 4	24 28	3 23	23 21	23 22	21 38	11 55	0 45			
W 18	1 14	24 26	1 59	1 21	1 3	11 40	1 2	20 54	1 7	22 33	0 37	22 30	1 0	23 12	0 5	7 36	1 4	24 28	3 23	23 21	23 22	21 36	11 54	0 45			
T 19	1 37	22 59	3 4	1 56	0 43	11 16	1 4	20 47	1 8	22 34	0 37	22 30	1 0	23 12	0 5	7 35	1 4	24 28	3 23	23 21	23 22	21 35	11 53	0 46			
F 20	2 1	20 2	3 58	2 27	0 23	10 51	1 6	20 39	1 9	22 34	0 37	22 30	1 0	23 12	0 5	7 34	1 4	24 28	3 23	23 21	23 22	21 34	11 52	0 46			
S 21	2 24	15 47	4 37	2 53	0 4	10 26	1 8	20 32	1 10	22 34	0 37	22 30	1 0	23 12	0 5	7 33	1 4	24 28	3 24	23 21	23 22	21 33	11 51	0 46			
S 22	2 48	10 34	4 58	3 14	0n14	10 1	1 10	20 25	1 11	22 34	0 37	22 30	1 0	23 12	0 5	7 33	1 4	24 28	3 24	23 20	23 21	21 32	11 50	0 46			
M 23	3 11	4 47	4 59	3 29	0 30	9 35	1 12	20 17	1 11	22 34	0 37	22 30	1 0	23 12	0 5	7 32	1 4	24 28	3 24	23 20	23 21	21 30	11 49	0 46			
T 24	3 35	1s12	4 41	3 39	0 46	9 9	1 14	20 10	1 12	22 34	0 37	22 29	1 0	23 12	0 5	7 31	1 4	24 28	3 24	23 19	23 21	21 29	11 48	0 46			
W 25	3 58	6 59	4 6	3 43	1 0	8 43	1 16	20 2	1 13	22 34	0 37	22 29	1 0	23 12	0 5	7 30	1 4	24 28	3 24	23 19	23 21	21 28	11 47	0 46			
T 26	4 22	12 17	3 18	3 42	1 12	8 16	1 17	19 54	1 14	22 34	0 37	22 29	1 0	23 12	0 5	7 30	1 4	24 28	3 24	23 18	23 21	21 27	11 46	0 46			
F 27	4 45	16 51	2 19	3 36	1 23	7 49	1 19	19 46	1 15	22 34	0 37	22 29	1 0	23 12	0 5	7 29	1 4	24 28	3 24	23 18	23 21	21 25	11 44	0 46			
S 28	5 8	20 28	1 16	3 26	1 33	7 22	1 21	19 38	1 16	22 34	0 37	22 29	1 1	23 12	0 5	7 28	1 4	24 28	3 25	23 18	23 20	21 24	11 43	0 47			
S 29	5 31	23 1	0 10	3 11	1 41	6 55	1 22	19 31	1 17	22 35	0 37	22 29	1 1	23 12	0 5	7 27	1 4	24 28	3 25	23 18	23 20	21 23	11 42	0 47			
M 30	5s55	24s24	0s55	2n52	1n47	6n28	1n24	19n22	1n18	22n35	0s37	22n29	1s 1	23n12	0n 5	7n27	1n 4	24n28	3n25	23n18	23n20	21s22	11n41	0s47			

ASTRODIENST EPHEMERIS for the year 1443
geocentric

OCTOBER 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 11 19	15 ⁵⁶ 51	14 ³⁸ 46	28 ¹⁷ 7	18 ¹⁷ 9	9 ⁰² 20	20 ¹⁸ 42	2 ⁵⁸ 1	19 ¹⁸ 44	13 ¹⁷ 39	25 ⁵⁸ 26	22 ¹⁸ 24	23 ¹¹ 7	10 ²² 21	2 ¹⁸ 35	T 1
W 2	1 15 16	16 ⁵⁶ 28	26 ³⁹	29 ²²	19 ²³	9 ⁵⁴	20 ¹¹ 41	2 ¹⁰ 1	19 ¹¹ 43	13 ⁴¹	25 ²⁶	22 ¹¹ 23	23 ³	10 ²⁷	2 ¹⁸ 32	W 2
T 3	1 19 13	17 ⁵⁶ 07	8 ²⁸	0 ⁴¹	20 ³⁷	10 ²⁸	20 ⁴¹	2 ²	19 ⁴³	13 ⁴³	25 ²⁷	22 ²¹	23 ⁰	10 ³⁴	2 ²⁹	T 3
F 4	1 23 9	18 ⁵⁵ 47	20 ²⁰	2 ⁵	21 ⁵¹	11 ¹	20 ⁴¹	2 ²	19 ⁴²	13 ⁴⁵	25 ²⁷	22 ¹⁶	22 ⁵⁷	10 ⁴¹	2 ²⁶	F 4
S 5	1 27 6	19 ⁵⁵ 29	2 ¹⁹	3 ³²	23 ⁵	11 ³⁵	20 ⁴⁰	2 ²	19 ⁴¹	13 ⁴⁷	25 ²⁷	22 ⁹	22 ⁵⁴	10 ⁴⁷	2 ²³	S 5
S 6	1 31 2	20 ⁵⁵ 14	14 ²⁹	5 ²	24 ¹⁹	12 ⁸	20 ³⁹	2 ¹⁸ 2	19 ⁴⁰	13 ⁴⁹	25 ²⁸	22 ⁰	22 ⁵¹	10 ⁵⁴	2 ²⁰	S 6
M 7	1 34 59	21 ⁵⁴ 59	26 ⁵¹	6 ³⁴	25 ³³	12 ⁴¹	20 ³⁸	2 ²	19 ³⁹	13 ⁵¹	25 ²⁸	21 ⁴⁹	22 ⁴⁸	11 ¹	2 ¹⁷	M 7
T 8	1 38 55	22 ⁵⁴ 47	9 ¹⁷ 27	8 ⁸	26 ⁴⁷	13 ¹⁴	20 ³⁶	2 ²	19 ³⁸	13 ⁵²	25 ²⁸	21 ³⁸	22 ⁴⁴	11 ⁷	2 ¹⁴	T 8
W 9	1 42 52	23 ⁵⁴ 37	22 ¹⁸	9 ⁴³	28 ¹	13 ⁴⁷	20 ³⁵	2 ²	19 ³⁷	13 ⁵⁴	25 ²⁹	21 ²⁷	22 ⁴¹	11 ¹⁴	2 ¹¹	W 9
T 10	1 46 48	24 ⁵⁴ 29	5 ²³	11 ²⁰	29 ¹⁵	14 ²⁰	20 ³³	2 ¹	19 ³⁶	13 ⁵⁶	25 ²⁹	21 ¹⁸	22 ³⁸	11 ²¹	2 ⁸	T 10
F 11	1 50 45	25 ⁵⁴ 22	18 ⁴¹	12 ⁵⁸	0 ³⁰	14 ⁵²	20 ³¹	2 ¹	19 ³⁴	13 ⁵⁸	25 ²⁹	21 ¹²	22 ³⁵	11 ²⁸	2 ⁵	F 11
S 12	1 54 42	26 ⁵⁴ 18	2 ¹¹ 9	14 ³⁶	1 ⁴⁴	15 ²⁵	20 ²⁹	2 ⁰	19 ³³	14 ⁰	25 ²⁹	21 ⁸	22 ³²	11 ³⁴	2 ²	S 12
S 13	1 58 38	27 ⁵⁴ 16	15 ⁴⁷	16 ¹⁵	2 ⁵⁹	15 ⁵⁷	20 ²⁶	2 ⁰	19 ³²	14 ¹	25 ³⁰	21 ¹⁸ 6	22 ²⁹	11 ⁴¹	1 ⁵⁹	S 13
M14	2 2 35	28 ⁵⁴ 16	29 ³⁴	17 ⁵⁴	4 ¹³	16 ²⁹	20 ²⁴	1 ⁵⁹	19 ³¹	14 ³	25 ³⁰	21 ⁶	22 ²⁵	11 ⁴⁸	1 ⁵⁶	M14
T 15	2 6 31	29 ⁵⁴ 19	13 ⁵⁸ 28	19 ³³	5 ²⁸	17 ¹	20 ²¹	1 ⁵⁸	19 ²⁹	14 ⁵	25 ³⁰	21 ⁷	22 ²²	11 ⁵⁴	1 ⁵³	T 15
W16	2 10 28	0 ¹¹ 54 ²³	27 ³⁰	21 ¹³	6 ⁴²	17 ³³	20 ¹⁸	1 ⁵⁷	19 ²⁸	14 ⁶	25 ³⁰	21 ¹⁸ 8	22 ¹⁹	12 ¹	1 ⁵⁰	W16
T 17	2 14 24	1 ⁵⁴ 30	11 ⁰² 38	22 ⁵²	7 ⁵⁷	18 ⁵	20 ¹⁵	1 ⁵⁶	19 ²⁶	14 ⁸	25 ³⁰	21 ⁸	22 ¹⁶	12 ⁸	1 ⁴⁷	T 17
F 18	2 18 21	2 ⁵⁴ 39	25 ⁵²	24 ³²	9 ¹¹	18 ³⁷	20 ¹²	1 ⁵⁴	19 ²⁵	14 ¹⁰	25 ³⁰	21 ⁵	22 ¹³	12 ¹⁴	1 ⁴⁴	F 18
S 19	2 22 17	3 ⁵⁴ 50	10 ¹⁷ 9	26 ¹¹	10 ²⁶	19 ⁸	20 ⁸	1 ⁵³	19 ²³	14 ¹¹	25 ³⁰	21 ¹	22 ⁹	12 ²¹	1 ⁴¹	S 19
S 20	2 26 14	4 ⁵⁵ 03	24 ²⁴	27 ⁵⁰	11 ⁴¹	19 ⁴⁰	20 ⁴	1 ⁵¹	19 ²²	14 ¹³	25 ³⁰	20 ⁵⁵	22 ⁶	12 ²⁸	1 ³⁷	S 20
M21	2 30 11	5 ⁵⁵ 18	8 ²⁵ 35	29 ²⁸	12 ⁵⁵	20 ¹¹	20 ⁰	1 ⁵⁰	19 ²⁰	14 ¹⁴	25 ³⁰	20 ⁴⁷	22 ³	12 ³⁴	1 ³⁴	M21
T 22	2 34 7	6 ⁵⁵ 35	22 ³⁷	1 ¹¹ 7	14 ¹⁰	20 ⁴²	19 ⁵⁶	1 ⁴⁸	19 ¹⁸	14 ¹⁶	25 ³⁰	20 ⁴⁰	22 ⁰	12 ⁴¹	1 ³¹	T 22
W23	2 38 4	7 ⁵⁵ 53	6 ¹¹ 23	2 ⁴⁵	15 ²⁵	21 ¹³	19 ⁵²	1 ⁴⁶	19 ¹⁷	14 ¹⁷	25 ³⁰	20 ³³	21 ⁵⁷	12 ⁴⁸	1 ²⁸	W23
T 24	2 42 0	8 ⁵⁶ 14	19 ⁵²	4 ²²	16 ⁴⁰	21 ⁴³	19 ⁴⁷	1 ⁴⁴	19 ¹⁵	14 ¹⁹	25 ³⁰	20 ²⁸	21 ⁵⁴	12 ⁵⁵	1 ²⁵	T 24
F 25	2 45 57	9 ⁵⁶ 36	3 ¹⁷ 1	6 ⁰	17 ⁵⁵	22 ¹⁴	19 ⁴³	1 ⁴²	19 ¹³	14 ²⁰	25 ²⁹	20 ²⁴	21 ⁵⁰	13 ¹	1 ²²	F 25
S 26	2 49 53	10 ⁵⁷ 00	15 ⁵⁰	7 ³⁷	19 ¹⁰	22 ⁴⁴	19 ³⁸	1 ⁴⁰	19 ¹¹	14 ²²	25 ²⁹	20 ¹⁸ 22	21 ⁴⁷	13 ⁸	1 ¹⁹	S 26
S 27	2 53 50	11 ⁵⁷ 26	28 ²⁰	9 ¹⁴	20 ²⁴	23 ¹⁴	19 ³³	1 ³⁸	19 ¹⁰	14 ²³	25 ²⁹	20 ²³	21 ⁴⁴	13 ¹⁵	1 ¹⁶	S 27
M28	2 57 46	12 ⁵⁷ 53	10 ²³ 34	10 ⁵⁰	21 ³⁹	23 ⁴⁴	19 ²⁸	1 ³⁶	19 ⁸	14 ²⁴	25 ²⁹	20 ²⁴	21 ⁴¹	13 ²¹	1 ¹³	M28
T 29	3 1 43	13 ⁵⁸ 21	22 ³⁵	12 ²⁷	22 ⁵⁴	24 ¹⁴	19 ²³	1 ³³	19 ⁶	14 ²⁶	25 ²⁹	20 ²⁶	21 ³⁸	13 ²⁸	1 ¹⁰	T 29
W30	3 5 40	14 ⁵⁸ 51	4 ²⁸	14 ³	24 ⁹	24 ⁴⁴	19 ¹⁷	1 ³¹	19 ⁴	14 ²⁷	25 ²⁸	20 ²⁷	21 ³⁵	13 ³⁵	1 ⁷	W30
T 31	3 9 36	15 ¹¹ 59 ²²	16 ²² 19	15 ¹¹ 38	25 ²⁴	25 ⁰² 13	19 ¹¹	1 ²⁸	19 ¹¹ 2	14 ¹⁷ 28	25 ²⁸	20 ¹⁸ 28	21 ¹¹ 31	13 ²² 41	1 ¹⁸ 4	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
-----	---	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--

ASTRODIENST EPHEMERIS for the year 1443

geocentric

NOVEMBER 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 13 33	16 ¹¹ 59'54	28 ¹¹ 11	17 ¹¹ 14	26 ¹¹ 39	25 ¹¹ 42	19°R 6	1°R25	19°R 0	14 ¹¹ 30	25°R28	20°R27	21 ¹¹ 28	13 ¹¹ 48	1°R 2	F 1	
S 2	3 17 29	18° 0'28	10 ¹¹ 11	18°49	27°54	26°11	19 ¹¹ 0	1 ¹¹ 23	18 ¹¹ 58	14°31	25 ¹¹ 27	20 ¹¹ 25	21°25	13°55	0 ¹¹ 59	S 2	
S 3	3 21 26	19° 1'03	22°23	20°24	29°10	26°40	18°54	1°20	18°56	14°32	25°27	20°21	21°22	14° 1	0°56	S 3	
M 4	3 25 22	20° 1'39	4 ¹¹ 50	21°58	0 ¹¹ 25	27° 9	18°47	1°17	18°53	14°33	25°26	20°17	21°19	14° 8	0°53	M 4	
T 5	3 29 19	21° 2'16	17°34	23°33	1°40	27°37	18°41	1°13	18°51	14°34	25°26	20°12	21°15	14°15	0°50	T 5	
W 6	3 33 15	22° 2'55	0 ¹¹ 38	25° 7	2°55	28° 6	18°34	1°10	18°49	14°35	25°26	20° 7	21°12	14°22	0°47	W 6	
T 7	3 37 12	23° 3'35	14° 1	26°41	4°10	28°34	18°28	1° 7	18°47	14°37	25°25	20° 3	21° 9	14°28	0°45	T 7	
F 8	3 41 8	24° 4'16	27°41	28°15	5°25	29° 1	18°21	1° 4	18°45	14°38	25°25	20° 0	21° 6	14°35	0°42	F 8	
S 9	3 45 5	25° 4'59	11 ¹¹ 36	29°49	6°40	29°29	18°14	1° 0	18°42	14°39	25°24	19°58	21° 3	14°42	0°39	S 9	
S 10	3 49 2	26° 5'43	25°42	1 ¹¹ 22	7°56	29°56	18° 7	0°57	18°40	14°40	25°23	19°D58	21° 0	14°48	0°36	S 10	
M11	3 52 58	27° 6'29	9 ¹¹ 55	2°56	9°11	0 ¹¹ 23	18° 0	0°53	18°38	14°41	25°23	19°59	20°56	14°55	0°34	M11	
T 12	3 56 55	28° 7'16	24°11	4°29	10°26	0°50	17°53	0°49	18°35	14°41	25°22	20° 0	20°53	15° 2	0°31	T 12	
W13	4 0 51	29° 8'05	8 ¹¹ 27	6° 3	11°41	1°17	17°45	0°46	18°33	14°42	25°22	20° 2	20°50	15° 8	0°29	W13	
T 14	4 4 48	0 ¹¹ 27	8'55	22°41	7°36	12°57	1°43	0°42	18°31	14°43	25°21	20° 3	20°47	15°15	0°26	T 14	
F 15	4 8 44	1° 9'47	6 ¹¹ 50	9° 9	14°12	2° 9	17°31	0°38	18°28	14°44	25°20	20°R 3	20°44	15°22	0°23	F 15	
S 16	4 12 41	2°10'40	20°52	10°42	15°27	2°35	17°23	0°34	18°26	14°45	25°20	20° 2	20°40	15°29	0°21	S 16	
S 17	4 16 38	3°11'34	4 ¹¹ 46	12°16	16°43	3° 1	17°15	0°30	18°23	14°46	25°19	20° 0	20°37	15°35	0°18	S 17	
M18	4 20 34	4°12'30	18°29	13°49	17°58	3°26	17° 7	0°26	18°21	14°46	25°18	19°58	20°34	15°42	0°16	M18	
T 19	4 24 31	5°13'27	2 ¹¹ 11	15°21	19°13	3°51	17° 0	0°21	18°18	14°47	25°17	19°56	20°31	15°49	0°14	T 19	
W20	4 28 27	6°14'26	15°21	16°54	20°29	4°16	16°52	0°17	18°16	14°48	25°17	19°54	20°28	15°55	0°11	W20	
T 21	4 32 24	7°15'25	28°27	18°27	21°44	4°41	16°44	0°13	18°13	14°48	25°16	19°53	20°25	16° 2	0° 9	T 21	
F 22	4 36 20	8°16'26	11 ¹¹ 18	20° 0	23° 0	5° 5	16°36	0° 8	18°11	14°49	25°15	19°52	20°21	16° 9	0° 7	F 22	
S 23	4 40 17	9°17'27	23°54	21°32	24°15	5°29	16°28	0° 4	18° 8	14°49	25°14	19°D52	20°18	16°15	0° 5	S 23	
S 24	4 44 13	10°18'29	6 ¹¹ 36	23° 5	25°30	5°52	16°20	29 ¹¹ 59	18° 6	14°50	25°13	19°52	20°15	16°22	0° 2	S 24	
M25	4 48 10	11°19'32	18°26	24°37	26°46	6°16	16°12	29°55	18° 3	14°50	25°12	19°53	20°12	16°29	0° 0	M25	
T 26	4 52 7	12°20'36	0 ¹¹ 26	26° 9	28° 1	6°38	16° 3	29°50	18° 1	14°51	25°11	19°54	20° 9	16°36	29°Y58	T 26	
W27	4 56 3	13°21'40	12°19	27°41	29°17	7° 1	15°55	29°46	17°58	14°51	25°11	19°55	20° 6	16°42	29°56	W27	
T 28	5 0 0	14°22'45	24° 9	29°12	0 ¹¹ 32	7°23	15°47	29°41	17°56	14°52	25°10	19°55	20° 2	16°49	29°54	T 28	
F 29	5 3 56	15°23'50	6 ¹¹ 11	0 ¹¹ 34	1°48	7°45	15°39	29°36	17°53	14°52	25° 9	19°56	19°59	16°56	29°52	F 29	
S 30	5 7 53	16 ¹¹ 24'55	18 ¹¹ 11	2 ¹¹ 13	3 ¹¹ 2	8 ¹¹ 7	15 ¹¹ 31	29 ¹¹ 32	17 ¹¹ 51	14 ¹¹ 52	25 ¹¹ 8	19°R56	19 ¹¹ 56	17 ¹¹ 22	29°Y50	S 30	

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	16s58	16s39	4s49	17s15	0s14	8s55	1n30	14n44	1n52	22n28	0s36	22n30	1s 1	23n 8	0n 5	7n 7	1n 5	24n33	3n30	23n10	23n14	20s38	11n 5	0s50			
S 2	17 15	12 30	5 7	17 48	0 21	9 23	1 29	14 36	1 53	22 28	0 35	22 30	1 1	23 8	0 5	7 7	1 5	24 33	3 30	23 10	23 14	20 37	11 4	0 50			
S 3	17 32	7 48	5 12	18 20	0 27	9 50	1 28	14 27	1 54	22 27	0 35	22 30	1 1	23 8	0 5	7 6	1 5	24 34	3 30	23 10	23 14	20 35	11 3	0 50			
M 4	17 48	2 42	5 2	18 51	0 34	10 18	1 27	14 18	1 55	22 27	0 35	22 30	1 1	23 8	0 5	7 6	1 5	24 34	3 30	23 9	23 14	20 34	11 2	0 50			
T 5	18 4	2n38	4 38	19 22	0 40	10 45	1 26	14 9	1 56	22 27	0 35	22 30	1 1	23 8	0 5	7 6	1 5	24 34	3 31	23 9	23 13	20 32	11 1	0 50			
W 6	18 20	8 1	3 58	19 51	0 46	11 12	1 25	14 1	1 58	22 26	0 35	22 30	1 1	23 8	0 5	7 5	1 5	24 34	3 31	23 9	23 13	20 31	11 0	0 50			
T 7	18 36	13 9	3 5	20 19	0 52	11 38	1 23	13 52	1 59	22 26	0 35	22 30	1 1	23 7	0 5	7 5	1 5	24 34	3 31	23 8	23 13	20 29	10 59	0 50			
F 8	18 51	17 46	1 59	20 47	0 58	12 5	1 22	13 43	2 0	22 25	0 35	22 30	1 1	23 7	0 5	7 5	1 5	24 35	3 31	23 8	23 13	20 28	10 58	0 50			
S 9	19 6	21 29	0 46	21 13	1 4	12 31	1 21	13 35	2 1	22 25	0 35	22 30	1 1	23 7	0 5	7 4	1 5	24 35	3 31	23 8	23 13	20 26	10 57	0 50			
S 10	19 20	23 58	0n31	21 38	1 10	12 57	1 19	13 26	2 3	22 24	0 35	22 30	1 1	23 7	0 5	7 4	1 5	24 35	3 31	23 8	23 12	20 25	10 56	0 50			
M11	19 34	24 56	1 48	22 3	1 16	13 22	1 18	13 18	2 4	22 24	0 35	22 30	1 0	23 7	0 5	7 4	1 6	24 35	3 32	23 8	23 12	20 23	10 55	0 50			
T 12	19 48	24 15	2 57	22 26	1 21	13 48	1 16	13 9	2 5	22 23	0 35	22 30	1 0	23 7	0 5	7 3	1 6	24 36	3 32	23 8	23 12	20 22	10 54	0 51			
W13	20 2	22 0	3 56	22 48	1 26	14 12	1 14	13 1	2 6	22 22	0 35	22 30	1 0	23 6	0 5	7 3	1 6	24 36	3 32	23 8	23 12	20 20	10 53	0 51			
T 14	20 15	18 24	4 40	23 9	1 32	14 37	1 13	12 53	2 8	22 22	0 34	22 30	1 0	23 6	0 5	7 3	1 6	24 36	3 32	23 8	23 11	20 19	10 52	0 51			
F 15	20 27	13 47	5 7	23 29	1 36	15 1	1 11	12 45	2 9	22 21	0 34	22 30	1 0	23 6	0 5	7 2	1 6	24 37	3 32	23 8	23 11	20 17	10 51	0 51			
S 16	20 40	8 28	5 16	23 47	1 41	15 25	1 9	12 36	2 10	22 21	0 34	22 30	1 0	23 6	0 5	7 2	1 6	24 37	3 32	23 8	23 11	20 16	10 50	0 51			
S 17	20 52	2 46	5 5	24 5	1 46	15 48	1 8	12 28	2 12	22 20	0 34	22 30	1 0	23 6	0 5	7 2	1 6	24 37	3 32	23 8	23 11	20 14	10 49	0 51			
M18	21 3	2s59	4 38	24 21	1 50	16 11	1 6	12 20	2 13	22 19	0 34	22 30	1 0	23 5	0 5	7 2	1 6	24 37	3 33	23 8	23 11	20 13	10 48	0 51			
T 19	21 14	8 33	3 55	24 35	1 54	16 34	1 4	12 13	2 14	22 19	0 34	22 31	1 0	23 5	0 5	7 1	1 6	24 38	3 33	23 8	23 10	20 11	10 47	0 51			
W20	21 25	13 38	3 0	24 49	1 58	16 56	1 2	12 5	2 16	22 18	0 34	22 31	1 0	23 5	0 5	7 1	1 6	24 38	3 33	23 8	23 10	20 9	10 47	0 51			
T 21	21 35	18 0	1 56	25 1	2 1	17 17	1 0	11 57	2 17	22 17	0 34	22 31	1 0	23 5	0 5	7 1	1 6	24 38	3 33	23 7	23 10	20 8	10 46	0 51			
F 22	21 45	21 25	0 47	25 12	2 4	17 39	0 58	11 49	2 18	22 17	0 34	22 31	1 0	23 5	0 5	7 1	1 6	24 39	3 33	23 7	23 10	20 6	10 45	0 51			
S 23	21 55	23 45	0s22	25 21	2 7	17 59	0 56	11 42	2 20	22 16	0 33	22 31	1 0	23 4	0 5	7 1	1 6	24 39	3 33	23 7	23 9	20 5	10 44	0 51			
S 24	22 4	24 51	1 30	25 29	2 10	18 20	0 54	11 34	2 21	22 15	0 33	22 31	1 0	23 4	0 5	7 0	1 6	24 39	3 33	23 7	23 9	20 3	10 43	0 51			
M25	22 12	24 45	2 32	25 36	2 12	18 39	0 52	11 27	2 23	22 15	0 33	22 31	1 0	23 4	0 6	7 0	1 6	24 39	3 34	23 7	23 9	20 2	10 42	0 51			
T 26	22 21	23 29	3 27	25 41	2 13	18 59	0 49	11 20	2 24	22 14	0 33	22 31	1 0	23 4	0 6	7 0	1 6	24 40	3 34	23 8	23 9	20 0	10 42	0 51			
W27	22 28	21 11	4 12	25 44	2 15	19 17	0 47	11 13	2 26	22 13	0 33	22 31	1 0	23 3	0 6	7 0	1 6	24 40	3 34	23 8	23 8	19 58	10 41	0 51			
T 28	22 36	18 0	4 46	25 46	2 16	19 35	0 45	11 6	2 27	22 12	0 33	22 31	1 0	23 3	0 6	7 0	1 6	24 40	3 34	23 8	23 8	19 57	10 40	0 52			
F 29	22 43	14 6	5 8	25 47	2 16	19 53	0 43	10 59	2 28	22 12	0 33	22 31	1 0	23 3	0 6	7 0	1 6	24 41	3 34	23 8	23 8	19 55	10 39	0 52			
S 30	22s49	9s37	5s17	25s46	2s16	20s10	0n41	10n52	2n30	22n11	0s32	22n31	0s59	23n 3	0n 6	7n 0	1n 6	24n41	3n34	23n 8	23n 8	19s53	10n39	0s52			

ASTRODIENST EPHEMERIS for the year 1443

geocentric

DECEMBER 1443 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 11 49	17°26'01	0°9' 9	3°43	4°18	8°28	15°R23	29°R27	17°R48	14°53	25°R 7	19°R55	19°II53	17°≈ 9	29°R49	S 1
M 2	5 15 46	18°27'07	12°33	5°12	5°34	8°49	15°II14	29°II22	17°II45	14°53	25°R 6	19°II55	19°50	17°16	29°Y47	M 2
T 3	5 19 42	19°28'13	25°18	6°40	6°49	9°10	15° 6	29°17	17°43	14°53	25° 5	19°D55	19°46	17°22	29°45	T 3
W 4	5 23 39	20°29'20	8°24	8° 6	8° 6	9°30	14°58	29°12	17°40	14°53	25° 3	19°55	19°43	17°29	29°44	W 4
T 5	5 27 36	21°30'27	21°55	9°31	9°20	9°50	14°50	29° 7	17°38	14°53	25° 2	19°55	19°40	17°36	29°42	T 5
F 6	5 31 32	22°31'34	5°II49	10°55	10°36	10° 9	14°42	29° 2	17°35	14°54	25° 1	19°56	19°37	17°43	29°40	F 6
S 7	5 35 29	23°32'42	20° 4	12°16	11°51	10°28	14°34	28°58	17°33	14°54	25° 0	19°R56	19°34	17°49	29°39	S 7
S 8	5 39 25	24°33'50	4°36	13°35	13° 7	10°46	14°26	28°53	17°30	14°54	24°59	19°55	19°31	17°56	29°37	S 8
M 9	5 43 22	25°34'59	19°19	14°51	14°22	11° 5	14°18	28°48	17°28	14°R54	24°58	19°55	19°27	18° 3	29°36	M 9
T 10	5 47 18	26°36'08	4°8 5	16° 4	15°37	11°22	14°11	28°43	17°25	14°54	24°57	19°54	19°24	18° 9	29°35	T 10
W11	5 51 15	27°37'17	18°47	17°13	16°53	11°40	14° 3	28°38	17°23	14°54	24°56	19°54	19°21	18°16	29°33	W11
T 12	5 55 12	28°38'27	3°19	18°18	18° 8	11°57	13°55	28°33	17°20	14°54	24°55	19°53	19°18	18°23	29°32	T 12
F 13	5 59 8	29°39'37	17°38	19°17	19°24	12°13	13°47	28°28	17°18	14°53	24°53	19°52	19°15	18°29	29°31	F 13
S 14	6 3 5	0°340'47	1°40	20°10	20°39	12°29	13°40	28°23	17°15	14°53	24°52	19°D52	19°12	18°36	29°30	S 14
S 15	6 7 1	1°41'58	15°24	20°57	21°55	12°44	13°33	28°18	17°13	14°53	24°51	19°52	19° 8	18°43	29°29	S 15
M16	6 10 58	2°43'10	28°51	21°35	23°10	12°59	13°25	28°13	17°10	14°53	24°50	19°53	19° 5	18°50	29°28	M16
T 17	6 14 54	3°44'21	12°11	22° 6	24°26	13°14	13°18	28° 8	17° 8	14°53	24°48	19°54	19° 2	18°56	29°27	T 17
W18	6 18 51	4°45'33	24°57	22°26	25°41	13°28	13°11	28° 3	17° 5	14°52	24°47	19°55	18°59	19° 3	29°26	W18
T 19	6 22 47	5°46'45	7°39	22°R36	26°57	13°41	13° 4	27°58	17° 3	14°52	24°46	19°56	18°56	19°10	29°25	T 19
F 20	6 26 44	6°47'57	20° 9	22°36	28°12	13°54	12°57	27°53	17° 1	14°52	24°45	19°R57	18°52	19°16	29°25	F 20
S 21	6 30 41	7°49'09	2°39	22°23	29°28	14° 6	12°50	27°48	16°58	14°51	24°43	19°56	18°49	19°23	29°24	S 21
S 22	6 34 37	8°50'21	14°40	21°59	0°343	14°18	12°44	27°44	16°56	14°51	24°42	19°55	18°46	19°30	29°23	S 22
M23	6 38 34	9°51'33	26°42	21°23	1°59	14°29	12°37	27°39	16°54	14°50	24°41	19°52	18°43	19°37	29°23	M23
T 24	6 42 30	10°52'44	8°39	20°36	3°14	14°40	12°31	27°34	16°51	14°50	24°40	19°49	18°40	19°43	29°22	T 24
W25	6 46 27	11°53'55	20°31	19°38	4°29	14°50	12°24	27°29	16°49	14°49	24°38	19°45	18°37	19°50	29°22	W25
T 26	6 50 23	12°55'06	2°11	18°32	5°45	15° 0	12°18	27°24	16°47	14°49	24°37	19°41	18°33	19°57	29°22	T 26
F 27	6 54 20	13°56'16	14°12	17°20	7° 0	15° 8	12°12	27°20	16°45	14°48	24°36	19°37	18°30	20° 3	29°21	F 27
S 28	6 58 16	14°57'25	26° 9	16° 2	8°16	15°17	12° 7	27°15	16°42	14°47	24°34	19°35	18°27	20°10	29°21	S 28
S 29	7 2 13	15°58'33	8°Y15	14°43	9°31	15°24	12° 1	27°11	16°40	14°47	24°33	19°33	18°24	20°17	29°21	S 29
M30	7 6 10	16°59'41	20°34	13°25	10°47	15°31	11°56	27° 6	16°38	14°46	24°32	19°D33	18°21	20°23	29°21	M30
T 31	7 10 6	18°3 0'48	3°12	12°3 9	12°3 2	15°138	11°II50	27°II 2	16°II36	14°145	24°30	19°II34	18°II18	20°≈30	29°D21	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	22s55	4s43	5s12	25s43	2s15	20s27	0n38	10n45	2n31	22n10	0s32	22n31	0s59	23n 3	0n 6	S 1
M 2	23 0	0n29	4 53	25 39	2 14	20 42	0 36	10 39	2 33	22 10	0 32	22 31	0 59	23 2	0 6	M 2
T 3	23 6	5 48	4 19	25 33	2 13	20 58	0 34	10 33	2 35	22 9	0 32	22 31	0 59	23 2	0 6	T 3
W 4	23 10	11 1	3 31	25 26	2 10	21 12	0 31	10 26	2 36	22 8	0 32	22 31	0 59	23 2	0 6	W 4
T 5	23 14	15 54	2 29	25 17	2 7	21 26	0 29	10 20	2 38	22 7	0 32	22 32	0 59	23 2	0 6	T 5
F 6	23 18	20 4	1 18	25 7	2 3	21 40	0 27	10 14	2 39	22 7	0 32	22 32	0 59	23 1	0 6	F 6
S 7	23 21	23 9	0n 1	24 55	1 59	21 53	0 24	10 9	2 41	22 6	0 31	22 32	0 59	23 1	0 6	S 7
S 8	23 24	24 46	1 21	24 42	1 53	22 5	0 22	10 3	2 42	22 5	0 31	22 32	0 59	23 1	0 6	S 8
M 9	23 26	24 41	2 36	24 27	1 47	22 16	0 19	9 58	2 44	22 4	0 31	22 32	0 59	23 1	0 6	M 9
T 10	23 28	22 52	3 41	24 12	1 40	22 27	0 17	9 52	2 46	22 4	0 31	22 32	0 59	23 1	0 6	T 10
W11	23 29	19 32	4 32	23 55	1 32	22 37	0 14	9 47	2 47	22 3	0 31	22 32	0 58	23 0	0 6	W11
T 12	23 30	15 2	5 4	23 37	1 23	22 47	0 12	9 42	2 49	22 2	0 31	22 32	0 58	23 0	0 6	T 12
F 13	23 31	9 45	5 17	23 19	1 12	22 56	0 10	9 37	2 51	22 1	0 30	22 32	0 58	23 0	0 6	F 13
S 14	23 31	4 5	5 10	23 0	1 1	23 4	0 7	9 33	2 52	22 1	0 30	22 32	0 58	23 0	0 6	S 14
S 15	23 30	1s41	4 46	22 40	0 48	23 11	0 5	9 28	2 54	22 0	0 30	22 32	0 58	22 59	0 6	S 15
M16	23 29	7 15	4 7	22 20	0 34	23 18	0 2	9 24	2 56	21 59	0 30	22 32	0 58	22 59	0 6	M16
T 17	23 28	12 24	3 15	22 1	0 19	23 24	0s 0	9 20	2 57	21 58	0 30	22 32	0 58	22 59	0 6	T 17
W18	23 26	16 54	2 14	21 42	0 3	23 29	0 3	9 16	2 59	21 58	0 30	22 32	0 58	22 59	0 6	W18
T 19	23 23	20 32	1 8	21 23	0n14	23 34	0 5	9 13	3 1	21 57	0 29	22 32	0 58	22 58	0 6	T 19
F 20	23 20	23 10	0s 1	21 6	0 32	23 37	0 7	9 9	3 3	21 56	0 29	22 32	0 57	22 58	0 6	F 20
S 21	23 17	24 18	1 9	20 49	0 50	23 41	0 10	9 6	3 4	21 56	0 29	22 32	0 57	22 58	0 6	S 21
S 22	23 13	24 54	2 12	20 34	1 9	23 43	0 12	9 3	3 6	21 55	0 29	22 32	0 57	22 58	0 6	S 22
M23	23 9	23 58	3 9	20 21	1 29	23 44	0 15	9 1	3 8	21 54	0 29	22 32	0 57	22 58	0 6	M23
T 24	23 4	21 58	3 57	20 9	1 48	23 45	0 17	8 58	3 10	21 54	0 28	22 32	0 57	22 57	0 6	T 24
W25	22 59	19 2	4 34	19 59	2 6	23 45	0 19	8 56	3 11	21 53	0 28	22 32	0 57	22 57	0 6	W25
T 26	22 53	15 20	5 0	19 51	2 24	23 45	0 22	8 54	3 13	21 52	0 28	22 33	0 57	22 57	0 6	T 26
F 27	22 47	11 2	5 13	19 45	2 39	23 44	0 24	8 52	3 15	21 52	0 28	22 33	0 57	22 57	0 6	F 27
S 28	22 40	6 18	5 12	19 40	2 53	23 41	0 26	8 50	3 17	21 51	0 28	22 33	0 56	22 57	0 6	S 28
S 29	22 33	1 16	4 57	19 38	3 5	23 39	0 29	8 49	3 19	21 51	0 27	22 33	0 56	22 56	0 6	S 29
M30	22 26	3n54	4 29	19 36	3 15	23 35	0 31	8 48	3 21	21 50	0 27	22 33	0 56	22 56	0 6	M30
T 31	22s18	9n 3	3s47	19s37	3n21	23s31	0s33	8n47	3n22	21n50	0s27	22n33	0s56	22n56	0n 6	T 31

Julian Day Number = 2248447.5, Delta T = 06m40s

Ecliptic obliquity = 23°30'43", Nutation = - 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°58'57", Lahiri = 16°05'57" Julian Calendar 1 Dec. 1443 == Greg. Calendar 10 Dec. 1443