



Astrodienst Ephemeris Tables for the year 1433

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 1433
geocentric

JANUARY 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 16 42	19°34'15	11°18'14	2°35'3	2°35 7	7°11'19	13°R32	6°35'59	29°Y12	20°R 8	9°R46	20°R45	20°35'8	23°11'18	17°11'9	T 1
F 2	7 20 38	20°44'20	25°41	4°22	3°23	7°54	13°32'24	7° 6	29°12	20°R 7	9°35'45	20°D45	20°55	23°25	17°11	F 2
S 3	7 24 35	21°45'24	10°11'16	5°51	4°38	8°28	13°16	7°13	29°13	20° 5	9°43	20°35'45	20°52	23°32	17°14	S 3
S 4	7 28 32	22°46'28	24°54	7°22	5°53	9° 2	13° 8	7°20	29°13	20° 4	9°42	20°45	20°48	23°38	17°16	S 4
M 5	7 32 28	23°47'30	9°29'29	8°52	7° 8	9°37	13° 0	7°27	29°13	20° 2	9°41	20°45	20°45	23°45	17°18	M 5
T 6	7 36 25	24°48'32	23°54	10°24	8°23	10°11	12°52	7°34	29°14	20° 1	9°40	20°R45	20°42	23°52	17°21	T 6
W 7	7 40 21	25°49'33	8°12'4	11°56	9°39	10°45	12°45	7°41	29°14	19°59	9°39	20°45	20°39	23°58	17°24	W 7
T 8	7 44 18	26°50'33	21°55	13°28	10°54	11°19	12°37	7°48	29°15	19°58	9°37	20°45	20°36	24° 5	17°26	T 8
F 9	7 48 14	27°51'32	5°12'23	15° 2	12° 9	11°53	12°30	7°55	29°15	19°56	9°36	20°44	20°33	24°12	17°29	F 9
S 10	7 52 11	28°52'30	18°28	16°36	13°24	12°27	12°22	8° 2	29°16	19°55	9°35	20°43	20°29	24°18	17°32	S 10
S 11	7 56 7	29°53'28	1°12'12	18°10	14°39	13° 1	12°15	8° 9	29°16	19°53	9°34	20°42	20°26	24°25	17°34	S 11
M12	8 0 4	0°35'42'5	13°37	19°45	15°54	13°35	12° 7	8°17	29°17	19°52	9°33	20°41	20°23	24°32	17°37	M12
T 13	8 4 1	1°55'21	25°46	21°21	17° 9	14° 9	12° 0	8°24	29°18	19°50	9°31	20°40	20°20	24°39	17°40	T 13
W14	8 7 57	2°56'16	7°11'44	22°58	18°24	14°42	11°53	8°31	29°19	19°48	9°30	20°D40	20°17	24°45	17°43	W14
T 15	8 11 54	3°57'11	19°36	24°35	19°39	15°16	11°46	8°38	29°19	19°47	9°29	20°41	20°14	24°52	17°45	T 15
F 16	8 15 50	4°58'05	1°12'27	26°13	20°54	15°49	11°39	8°45	29°20	19°45	9°28	20°42	20°10	24°59	17°48	F 16
S 17	8 19 47	5°58'58	13°20	27°52	22° 9	16°23	11°32	8°53	29°21	19°44	9°27	20°43	20° 7	25° 5	17°51	S 17
S 18	8 23 43	6°59'50	25°22	29°31	23°24	16°56	11°26	9° 0	29°22	19°42	9°26	20°45	20° 4	25°12	17°54	S 18
M19	8 27 40	8° 0'41	7°33'34	1°12'12	24°39	17°29	11°19	9° 7	29°23	19°40	9°25	20°46	20° 1	25°19	17°57	M19
T 20	8 31 36	9° 1'31	19°59	2°52	25°54	18° 3	11°13	9°14	29°24	19°39	9°24	20°R46	19°58	25°25	18° 0	T 20
W21	8 35 33	10° 2'20	2°35'40	4°34	27° 9	18°36	11° 6	9°21	29°26	19°37	9°22	20°46	19°54	25°32	18° 3	W21
T 22	8 39 30	11° 3'07	15°37	6°17	28°24	19° 8	11° 0	9°29	29°27	19°35	9°21	20°44	19°51	25°39	18° 6	T 22
F 23	8 43 26	12° 3'54	28°50	8° 0	29°39	19°41	10°54	9°36	29°28	19°34	9°20	20°42	19°48	25°46	18°10	F 23
S 24	8 47 23	13° 4'38	12°11'18	9°44	0°11'54	20°14	10°48	9°43	29°29	19°32	9°19	20°39	19°45	25°52	18°13	S 24
S 25	8 51 19	14° 5'21	25°58	11°29	2° 9	20°47	10°43	9°50	29°31	19°30	9°18	20°35	19°42	25°59	18°16	S 25
M26	8 55 16	15° 6'03	9°12'49	13°15	3°23	21°19	10°37	9°57	29°32	19°29	9°17	20°32	19°39	26° 6	18°19	M26
T 27	8 59 12	16° 6'42	23°48	15° 1	4°38	21°52	10°32	10° 5	29°34	19°27	9°16	20°29	19°35	26°12	18°22	T 27
W28	9 3 9	17° 7'21	7°12'53	16°49	5°53	22°24	10°26	10°12	29°35	19°25	9°15	20°27	19°32	26°19	18°26	W28
T 29	9 7 5	18° 7'57	22° 2	18°37	7° 8	22°56	10°21	10°19	29°37	19°24	9°14	20°D27	19°29	26°26	18°29	T 29
F 30	9 11 2	19° 8'31	6°11'13	20°26	8°22	23°28	10°17	10°26	29°38	19°22	9°13	20°28	19°26	26°32	18°32	F 30
S 31	9 14 59	20°35'04	20°11'25	22°11'16	9°11'37	24°11'0	10°12'12	10°11'33	29°Y40	19°12'20	9°12'12	20°32'29	19°32'23	26°11'39	18°11'36	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	22s 4	19n57	4n57	24s 3	0s34	21s 5	1s22	12s48	1n16	23n 6	0n17	19s21	0s47	10n46	0s29	15n14
F 2	21 54	23 27	4 20	24 8	0 41	20 49	1 24	13 0	1 15	23 7	0 17	19 19	0 47	10 46	0 29	15 15
S 3	21 45	25 28	3 26	24 11	0 48	20 32	1 24	13 11	1 15	23 8	0 17	19 17	0 47	10 46	0 29	15 15
S 4	21 35	25 43	2 19	24 13	0 54	20 14	1 25	13 22	1 15	23 9	0 17	19 16	0 47	10 46	0 29	15 16
M 5	21 25	24 12	1 2	24 13	1 0	19 56	1 26	13 33	1 15	23 10	0 18	19 14	0 47	10 46	0 29	15 16
T 6	21 14	21 6	0s17	24 12	1 6	19 37	1 27	13 44	1 14	23 11	0 18	19 12	0 47	10 47	0 29	15 17
W 7	21 3	16 47	1 35	24 10	1 12	19 18	1 28	13 55	1 14	23 12	0 18	19 10	0 47	10 47	0 29	15 17
T 8	20 51	11 39	2 44	24 7	1 17	18 58	1 28	14 6	1 14	23 13	0 18	19 8	0 48	10 47	0 29	15 18
F 9	20 39	6 6	3 43	24 2	1 23	18 38	1 29	14 17	1 14	23 13	0 18	19 7	0 48	10 47	0 29	15 18
S 10	20 27	0 27	4 28	23 56	1 28	18 17	1 29	14 28	1 13	23 14	0 18	19 5	0 48	10 47	0 29	15 19
S 11	20 14	5s 3	4 59	23 48	1 32	17 55	1 30	14 38	1 13	23 15	0 18	19 3	0 48	10 48	0 29	15 19
M12	20 1	10 13	5 14	23 39	1 37	17 33	1 30	14 48	1 13	23 16	0 18	19 1	0 48	10 48	0 29	15 20
T 13	19 48	14 53	5 16	23 28	1 41	17 11	1 31	14 59	1 12	23 17	0 19	18 59	0 48	10 48	0 29	15 20
W14	19 34	18 54	5 3	23 16	1 45	16 48	1 31	15 9	1 12	23 17	0 19	18 58	0 48	10 49	0 29	15 21
T 15	19 20	22 8	4 37	23 3	1 48	16 24	1 31	15 19	1 12	23 18	0 19	18 56	0 48	10 49	0 29	15 21
F 16	19 5	24 26	4 0	22 48	1 51	16 1	1 31	15 29	1 11	23 19	0 19	18 54	0 48	10 49	0 29	15 22
S 17	18 50	25 39	3 13	22 31	1 54	15 36	1 31	15 39	1 11	23 20	0 19	18 52	0 48	10 50	0 29	15 22
S 18	18 35	25 42	2 16	22 13	1 57	15 12	1 31	15 49	1 11	23 20	0 19	18 50	0 48	10 50	0 29	15 23
M19	18 19	24 30	1 12	21 53	1 59	14 46	1 31	15 59	1 10	23 21	0 19	18 48	0 48	10 50	0 29	15 23
T 20	18 3	22 6	0 4	21 32	2 1	14 21	1 31	16 8	1 10	23 22	0 19	18 47	0 48	10 51	0 29	15 24
W21	17 47	18 34	1n 5	21 10	2 2	13 55	1 31	16 18	1 10	23 22	0 19	18 45	0 48	10 51	0 29	15 24
T 22	17 31	14 5	2 13	20 45	2 3	13 29	1 30	16 27	1 9	23 23	0 19	18 43	0 48	10 52	0 29	15 25
F 23	17 14	8 52	3 15	20 19	2 4	13 2	1 30	16 36	1 9	23 23	0 20	18 41	0 48	10 52	0 29	15 25
S 24	16 57	3 10	4 7	19 52	2 4	12 35	1 30	16 46	1 8	23 24	0 20	18 39	0 49	10 53	0 29	15 26
S 25	16 39	2n46	4 46	19 23	2 4	12 8	1 29	16 55	1 8	23 25	0 20	18 37	0 49	10 53	0 29	15 26
M26	16 21	8 37	5 8	18 52	2 4	11 40	1 29	17 4	1 7	23 25	0 20	18 35	0 49	10 54	0 29	15 27
T 27	16 3	14 7	5 13	18 20	2 3	11 12	1 28	17 13	1 7	23 26	0 20	18 33	0 49	10 54	0 29	15 28
W28	15 45	18 54	5 0	17 46	2 1	10 44	1 27	17 21	1 7	23 26	0 20	18 32	0 49	10 55	0 29	15 28
T 29	15 27	22 38	4 28	17 11	1 59	10 15	1 26	17 30	1 6	23 27	0 20	18 30	0 49	10 55	0 29	15 29
F 30	15 8	25 1	3 39	16 34	1 56	9 47	1 26	17 38	1 6	23 27	0 20	18 28	0 49	10 56	0 29	15 29
S 31	14s49	25n47	2n38	15s55	1s53	9s18	1s25	17s47	1n 5	23n27	0n20	18s26	0s49	10n57	0s29	15n30

Julian Day Number = 2244461.5, Delta T = 06m59s
Ecliptic obliquity = 23°30'49", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°49'49", Lahiri = 15°56'50" Julian Calendar 1 Jan. 1433 == Greg. Calendar 10 Jan. 1433

ASTRODIENST EPHEMERIS for the year 1433
geocentric

FEBRUARY 1433 JC

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s29	24n52	1n26	15s15	1s50	8s48	1s24	17s55	1n 5	23n28	0n20	18s24	0s49	10n57	0s28	15n30	0n27	22n23	0s48	21s57	22s 7	23s28	1s 0	3n49						
M 2	14 10	22 23	0 10	14 34	1 46	8 19	1 23	18 3	1 4	23 28	0 20	18 22	0 49	10 58	0 28	15 31	0 27	22 23	0 48	21 56	22 7	23 29	0 59	3 49						
T 3	13 50	18 34	1s 6	13 51	1 41	7 49	1 22	18 11	1 4	23 29	0 21	18 20	0 49	10 59	0 28	15 31	0 27	22 24	0 48	21 56	22 8	23 30	0 57	3 48						
W 4	13 30	13 48	2 17	13 6	1 35	7 19	1 20	18 19	1 3	23 29	0 21	18 19	0 49	10 59	0 28	15 32	0 27	22 24	0 48	21 57	22 8	23 31	0 56	3 48						
T 5	13 10	8 25	3 18	12 20	1 29	6 49	1 19	18 27	1 2	23 29	0 21	18 17	0 50	11 0	0 28	15 32	0 27	22 24	0 48	21 57	22 9	23 32	0 55	3 48						
F 6	12 50	2 47	4 8	11 33	1 23	6 19	1 18	18 35	1 2	23 30	0 21	18 15	0 50	11 1	0 28	15 33	0 27	22 24	0 48	21 58	22 9	23 33	0 54	3 48						
S 7	12 29	2s51	4 44	10 45	1 16	5 49	1 17	18 43	1 1	23 30	0 21	18 13	0 50	11 1	0 28	15 33	0 27	22 24	0 48	21 59	22 10	23 34	0 53	3 48						
S 8	12 8	8 13	5 4	9 56	1 8	5 18	1 15	18 50	1 1	23 30	0 21	18 11	0 50	11 2	0 28	15 34	0 27	22 24	0 48	22 0	22 10	23 35	0 51	3 48						
M 9	11 47	13 9	5 10	9 6	0 59	4 47	1 14	18 58	1 0	23 31	0 21	18 9	0 50	11 3	0 28	15 34	0 27	22 24	0 48	22 1	22 11	23 36	0 50	3 48						
T 10	11 26	17 27	5 2	8 15	0 50	4 16	1 12	19 5	0 59	23 31	0 21	18 7	0 50	11 4	0 28	15 35	0 27	22 24	0 48	22 2	22 11	23 37	0 49	3 47						
W 11	11 4	21 0	4 40	7 23	0 40	3 45	1 10	19 12	0 59	23 31	0 21	18 5	0 50	11 4	0 28	15 36	0 27	22 25	0 48	22 2	22 11	23 38	0 48	3 47						
T 12	10 43	23 38	4 6	6 31	0 30	3 14	1 9	19 19	0 58	23 32	0 21	18 4	0 50	11 5	0 28	15 36	0 27	22 25	0 48	22 3	22 12	23 39	0 46	3 47						
F 13	10 21	25 14	3 22	5 38	0 19	2 43	1 7	19 26	0 57	23 32	0 21	18 2	0 50	11 6	0 28	15 37	0 27	22 25	0 48	22 3	22 12	23 40	0 45	3 47						
S 14	9 59	25 42	2 29	4 46	0 7	2 12	1 5	19 33	0 57	23 32	0 21	18 0	0 50	11 7	0 28	15 37	0 27	22 25	0 47	22 2	22 13	23 41	0 44	3 47						
S 15	9 37	24 58	1 29	3 54	0n 5	1 41	1 3	19 40	0 56	23 32	0 21	17 58	0 50	11 8	0 28	15 38	0 27	22 25	0 47	22 2	22 13	23 42	0 42	3 47						
M 16	9 15	23 1	0 24	3 2	0 18	1 9	1 1	19 46	0 55	23 32	0 21	17 56	0 51	11 8	0 28	15 38	0 27	22 25	0 47	22 2	22 14	23 43	0 41	3 47						
T 17	8 53	19 55	0n43	2 11	0 31	0 38	0 59	19 53	0 54	23 33	0 22	17 54	0 51	11 9	0 28	15 39	0 27	22 25	0 47	22 2	22 14	23 44	0 40	3 47						
W 18	8 30	15 48	1 51	1 22	0 44	0 7	0 57	19 59	0 54	23 33	0 22	17 53	0 51	11 10	0 28	15 39	0 27	22 25	0 47	22 2	22 15	23 45	0 40	3 46						
T 19	8 8	10 49	2 53	0 33	0 57	0n25	0 55	20 6	0 53	23 33	0 22	17 51	0 51	11 11	0 28	15 40	0 27	22 26	0 47	22 3	22 15	23 46	0 37	3 46						
F 20	7 45	5 12	3 48	0n13	1 11	0 56	0 53	20 12	0 52	23 33	0 22	17 49	0 51	11 12	0 28	15 40	0 27	22 26	0 47	22 4	22 15	23 47	0 36	3 46						
S 21	7 22	0n47	4 30	0 57	1 25	1 28	0 51	20 18	0 51	23 33	0 22	17 47	0 51	11 13	0 28	15 41	0 27	22 26	0 47	22 5	22 16	23 48	0 34	3 46						
S 22	7 0	6 49	4 57	1 39	1 39	1 59	0 49	20 24	0 50	23 33	0 22	17 45	0 51	11 14	0 28	15 41	0 27	22 26	0 47	22 6	22 16	23 49	0 33	3 46						
M 23	6 37	12 34	5 6	2 18	1 52	2 30	0 47	20 30	0 49	23 33	0 22	17 44	0 51	11 15	0 28	15 42	0 27	22 26	0 47	22 8	22 17	23 50	0 32	3 46						
T 24	6 14	17 39	4 55	2 54	2 5	3 2	0 44	20 36	0 49	23 33	0 22	17 42	0 51	11 16	0 28	15 42	0 27	22 26	0 47	22 9	22 17	23 51	0 30	3 46						
W 25	5 50	21 43	4 26	3 26	2 18	3 33	0 42	20 42	0 48	23 33	0 22	17 40	0 51	11 16	0 28	15 42	0 27	22 26	0 47	22 9	22 18	23 52	0 29	3 46						
T 26	5 27	24 26	3 40	3 55	2 30	4 4	0 39	20 47	0 47	23 34	0 22	17 38	0 52	11 17	0 28	15 43	0 27	22 26	0 47	22 10	22 18	23 53	0 27	3 46						
F 27	5 4	25 35	2 42	4 20	2 42	4 35	0 37	20 53	0 46	23 34	0 22	17 37	0 52	11 18	0 28	15 43	0 27	22 26	0 46	22 10	22 18	23 54	0 26	3 46						
S 28	4s41	25n 4	1n34	4n41	2n52	5n 6	0s34	20s58	0n45	23n34	0n22	17s35	0s52	11n19	0s28	15n44	0n27	22n27	0s46	22s10	22s19	23s55	0s25	3n46						

ASTRODIENST EPHEMERIS for the year 1433

geocentric

MARCH 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	11 9 19	19°12'23	15°03	5°29	15°27	8°25	9°15	13°51	0°45	18°R34	8°R54	19°R 0	17°51	29°53	20°20	S 1
M 2	11 13 15	20°12'00	28°44	5°41	16°41	8°53	9°16	13°57	0°48	18°R33	8°R54	19°R 0	17°47	29°59	20°23	M 2
T 3	11 17 12	21°11'35	12°01	5°R44	17°54	9°19	9°18	14° 3	0°51	18°32	8°54	18°57	17°44	0°27	20°27	T 3
W 4	11 21 8	22°11'08	25°36	5°39	19° 8	9°46	9°19	14° 9	0°54	18°30	8°53	18°52	17°41	0°13	20°31	W 4
T 5	11 25 5	23°10'38	8°47	5°27	20°21	10°13	9°20	14°16	0°57	18°29	8°53	18°45	17°38	0°20	20°34	T 5
F 6	11 29 1	24°10'06	21°45	5° 7	21°35	10°39	9°22	14°22	1° 0	18°28	8°53	18°35	17°35	0°27	20°38	F 6
S 7	11 32 58	25° 9'33	4°31	4°41	22°48	11° 5	9°24	14°28	1° 3	18°26	8°53	18°23	17°31	0°33	20°42	S 7
S 8	11 36 55	26° 8'57	17° 3	4° 8	24° 1	11°30	9°26	14°34	1° 5	18°25	8°53	18°11	17°28	0°40	20°45	S 8
M 9	11 40 51	27° 8'19	29°22	3°30	25°14	11°56	9°28	14°40	1° 8	18°24	8°52	17°59	17°25	0°47	20°49	M 9
T 10	11 44 48	28° 7'40	11°30	2°48	26°27	12°21	9°31	14°46	1°11	18°23	8°52	17°49	17°22	0°53	20°53	T 10
W11	11 48 44	29° 6'58	23°27	2° 1	27°40	12°46	9°34	14°51	1°15	18°21	8°52	17°41	17°19	1° 0	20°56	W11
T 12	11 52 41	0°Y 6'15	5°21	1°13	28°53	13°11	9°36	14°57	1°18	18°20	8°52	17°35	17°16	1° 7	21° 0	T 12
F 13	11 56 37	1° 5'30	17° 8	0°23	0°8 6	13°35	9°39	15° 3	1°21	18°19	8°52	17°33	17°12	1°13	21° 4	F 13
S 14	12 0 34	2° 4'43	29° 0	29°32	1°19	13°59	9°43	15° 9	1°24	18°18	8°D52	17°D32	17° 9	1°20	21° 7	S 14
S 15	12 4 30	3° 3'54	11°3 1	28°42	2°32	14°23	9°46	15°14	1°27	18°17	8°52	17°R32	17° 6	1°27	21°11	S 15
M16	12 8 27	4° 3'04	23°15	27°53	3°45	14°46	9°50	15°20	1°30	18°16	8°52	17°32	17° 3	1°33	21°15	M16
T 17	12 12 23	5° 2'12	5°48	27° 7	4°58	15°10	9°53	15°25	1°33	18°15	8°52	17°31	17° 0	1°40	21°18	T 17
W18	12 16 20	6° 1'17	18°44	26°24	6°10	15°32	9°57	15°31	1°36	18°14	8°52	17°27	16°57	1°47	21°22	W18
T 19	12 20 17	7° 0'21	2°5 5	25°44	7°23	15°55	10° 1	15°36	1°40	18°13	8°52	17°21	16°53	1°54	21°26	T 19
F 20	12 24 13	7°59'23	15°54	25° 9	8°36	16°17	10° 5	15°42	1°43	18°12	8°53	17°13	16°50	2° 0	21°29	F 20
S 21	12 28 10	8°58'23	0°Y 7	24°39	9°48	16°39	10°10	15°47	1°46	18°11	8°53	17° 2	16°47	2° 7	21°33	S 21
S 22	12 32 6	9°57'21	14°40	24°13	11° 1	17° 0	10°14	15°52	1°49	18°10	8°53	16°50	16°44	2°14	21°36	S 22
M23	12 36 3	10°56'18	29°25	23°53	12°13	17°21	10°19	15°57	1°53	18° 9	8°53	16°39	16°41	2°20	21°40	M23
T 24	12 39 59	11°55'12	14°8 14	23°38	13°25	17°42	10°24	16° 2	1°56	18° 8	8°53	16°29	16°37	2°27	21°43	T 24
W25	12 43 56	12°54'03	29° 0	23°29	14°38	18° 2	10°29	16° 7	1°59	18° 7	8°54	16°22	16°34	2°34	21°47	W25
T 26	12 47 52	13°52'53	13°34	23°D25	15°50	18°22	10°34	16°12	2° 3	18° 7	8°54	16°17	16°31	2°40	21°50	T 26
F 27	12 51 49	14°51'40	27°53	23°26	17° 2	18°42	10°40	16°17	2° 6	18° 6	8°54	16°15	16°28	2°47	21°54	F 27
S 28	12 55 46	15°50'25	11°56	23°32	18°14	19° 1	10°45	16°22	2° 9	18° 5	8°55	16°14	16°25	2°54	21°57	S 28
S 29	12 59 42	16°49'08	25°41	23°44	19°26	19°20	10°51	16°27	2°13	18° 4	8°55	16°14	16°22	3° 0	22° 1	S 29
M30	13 3 39	17°47'48	9°D10	24° 0	20°38	19°38	10°57	16°31	2°16	18° 4	8°55	16°13	16°18	3° 7	22° 4	M30
T 31	13 7 35	18°Y46'27	22°D24	24°21	21°50	19°56	11°5 3	16°36	2°19	18° 3	8°56	16°10	16°15	3°14	22° 8	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4s17	23n 1	0n21	4n58	3n 2	5n37	0s32	21s 3	0n44	23n34	0n22	17s33	0s52	11n20	0s28	S 1
M 2	3 54	19 38	0s52	5 10	3 10	6 8	0 29	21 9	0 43	23 34	0 22	17 31	0 52	11 21	0 28	M 2
T 3	3 30	15 15	2 1	5 18	3 18	6 38	0 27	21 14	0 42	23 33	0 22	17 30	0 52	11 22	0 28	T 3
W 4	3 7	10 10	3 2	5 22	3 24	7 9	0 24	21 19	0 41	23 33	0 22	17 28	0 52	11 23	0 28	W 4
T 5	2 43	4 43	3 53	5 21	3 28	7 39	0 21	21 24	0 40	23 33	0 22	17 26	0 52	11 24	0 28	T 5
F 6	2 19	0s51	4 30	5 16	3 31	8 9	0 19	21 29	0 38	23 33	0 22	17 25	0 53	11 25	0 28	F 6
S 7	1 56	6 17	4 53	5 6	3 32	8 39	0 16	21 33	0 37	23 33	0 23	17 23	0 53	11 26	0 28	S 7
S 8	1 32	11 22	5 2	4 52	3 31	9 9	0 13	21 38	0 36	23 33	0 23	17 21	0 53	11 28	0 28	S 8
M 9	1 8	15 54	4 56	4 35	3 28	9 38	0 10	21 43	0 35	23 33	0 23	17 20	0 53	11 29	0 28	M 9
T 10	0 45	19 43	4 37	4 14	3 24	10 8	0 7	21 47	0 34	23 33	0 23	17 18	0 53	11 30	0 28	T 10
W11	0 21	22 40	4 6	3 50	3 18	10 37	0 4	21 52	0 32	23 33	0 23	17 17	0 53	11 31	0 28	W11
T 12	0n 2	24 36	3 24	3 23	3 10	11 5	0 1	21 56	0 31	23 33	0 23	17 15	0 53	11 32	0 28	T 12
F 13	0 26	25 27	2 34	2 55	3 1	11 34	0n 1	22 0	0 30	23 32	0 23	17 13	0 53	11 33	0 27	F 13
S 14	0 50	25 7	1 37	2 24	2 50	12 2	0 4	22 5	0 29	23 32	0 23	17 12	0 54	11 34	0 27	S 14
S 15	1 13	23 38	0 35	1 53	2 37	12 30	0 7	22 9	0 27	23 32	0 23	17 10	0 54	11 35	0 27	S 15
M16	1 37	21 0	0n30	1 22	2 24	12 58	0 10	22 13	0 26	23 32	0 23	17 9	0 54	11 36	0 27	M16
T 17	2 0	17 21	1 35	0 50	2 10	13 26	0 13	22 17	0 24	23 32	0 23	17 7	0 54	11 37	0 27	T 17
W18	2 24	12 46	2 37	0 19	1 55	13 53	0 16	22 21	0 23	23 31	0 23	17 6	0 54	11 38	0 27	W18
T 19	2 47	7 27	3 33	0s11	1 39	14 19	0 19	22 25	0 21	23 31	0 23	17 4	0 54	11 40	0 27	T 19
F 20	3 11	1 38	4 17	0 40	1 23	14 46	0 22	22 28	0 20	23 31	0 23	17 3	0 54	11 41	0 27	F 20
S 21	3 34	4n26	4 48	1 6	1 7	15 12	0 26	22 32	0 18	23 30	0 23	17 1	0 55	11 42	0 27	S 21
S 22	3 57	10 24	5 0	1 31	0 51	15 38	0 29	22 36	0 17	23 30	0 23	17 0	0 55	11 43	0 27	S 22
M23	4 21	15 52	4 53	1 54	0 35	16 3	0 32	22 40	0 15	23 30	0 23	16 59	0 55	11 44	0 27	M23
T 24	4 44	20 24	4 26	2 14	0 19	16 28	0 35	22 43	0 13	23 29	0 23	16 57	0 55	11 45	0 27	T 24
W25	5 7	23 36	3 42	2 32	0 4	16 53	0 38	22 47	0 12	23 29	0 23	16 56	0 55	11 46	0 27	W25
T 26	5 30	25 12	2 43	2 47	0s11	17 17	0 41	22 50	0 10	23 29	0 23	16 54	0 55	11 48	0 27	T 26
F 27	5 52	25 5	1 35	3 0	0 25	17 40	0 44	22 54	0 8	23 28	0 23	16 53	0 55	11 49	0 27	F 27
S 28	6 15	23 21	0 23	3 10	0 39	18 4	0 47	22 57	0 6	23 28	0 23	16 52	0 56	11 50	0 27	S 28
S 29	6 38	20 16	0s50	3 18	0 53	18 27	0 50	23 1	0 5	23 27	0 23	16 51	0 56	11 51	0 27	S 29
M30	7 0	16 7	1 58	3 23	1 5	18 49	0 53	23 4	0 3	23 27	0 23	16 49	0 56	11 52	0 27	M30
T 31	7n23	11n16	2s59	3s26	1s17	19n11	0n56	23s 7	0n 1	23n27	0n24	16s48	0s56	11n53	0s27	T 31

Julian Day Number = 2244520.5, Delta T = 06m59s

Ecliptic obliquity = 23°30'50, Nutation = 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°49'57, Lahiri = 15°56'58 Julian Calendar 1 March 1433 == Greg. Calendar 10 March 1433

ASTRODIENST EPHEMERIS for the year 1433
geocentric

APRIL 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 11 32	19°45'02	5°25'	24°47'	23°8'	20°13'	11°9'	16°40'	2°8'23	18°R 2	8°56'	16°R 5	16°312	3°20'	22°11'	W 1
T 2	13 15 28	20°43'36	18°15'	25°17'	24°13'	20°30'	11°16'	16°45'	2°26'	18°R 2	8°57'	15°356	16°9'	3°27'	22°14'	T 2
F 3	13 19 25	21°42'07	0°254	25°51'	25°25'	20°47'	11°22'	16°49'	2°30'	18°1'	8°57'	15°45'	16°6'	3°34'	22°18'	F 3
S 4	13 23 21	22°40'37	13°23'	26°29'	26°36'	21°3'	11°29'	16°53'	2°33'	18°1'	8°58'	15°32'	16°2'	3°40'	22°21'	S 4
S 5	13 27 18	23°39'04	25°41'	27°11'	27°48'	21°19'	11°35'	16°58'	2°36'	18°0'	8°58'	15°18'	15°59'	3°47'	22°24'	S 5
M 6	13 31 15	24°37'30	7°150	27°56'	28°59'	21°34'	11°42'	17°2'	2°40'	18°0'	8°59'	15°5'	15°56'	3°54'	22°27'	M 6
T 7	13 35 11	25°35'54	19°51'	28°45'	0°111	21°48'	11°49'	17°6'	2°43'	17°59'	8°59'	14°53'	15°53'	4°0'	22°31'	T 7
W 8	13 39 8	26°34'16	1°45	29°37'	1°22'	22°3'	11°56'	17°10'	2°47'	17°59'	9°0'	14°44'	15°50'	4°7'	22°34'	W 8
T 9	13 43 4	27°32'37	13°34'	0°32	2°33'	22°16'	12°4'	17°14'	2°50'	17°58'	9°0'	14°38'	15°47'	4°14'	22°37'	T 9
F 10	13 47 1	28°30'56	25°23'	1°31'	3°44'	22°29'	12°11'	17°17'	2°54'	17°58'	9°1'	14°34'	15°43'	4°21'	22°40'	F 10
S 11	13 50 57	29°29'13	7°314	2°32'	4°55'	22°42'	12°19'	17°21'	2°57'	17°58'	9°2'	14°32'	15°40'	4°27'	22°43'	S 11
S 12	13 54 54	0°2729	19°13'	3°36'	6°6'	22°54'	12°26'	17°25'	3°1'	17°58'	9°2'	14°D32	15°37'	4°34'	22°46'	S 12
M13	13 58 50	1°25'43	1°25	4°43'	7°17'	23°5'	12°34'	17°28'	3°4'	17°57'	9°3'	14°R33	15°34'	4°41'	22°50'	M13
T 14	14 2 47	2°23'55	13°56'	5°52'	8°28'	23°16'	12°42'	17°32'	3°7'	17°57'	9°4'	14°32'	15°31'	4°47'	22°53'	T 14
W15	14 6 44	3°22'06	26°50'	7°4'	9°38'	23°26'	12°50'	17°35'	3°11'	17°57'	9°4'	14°30'	15°28'	4°54'	22°56'	W15
T 16	14 10 40	4°20'16	10°11	8°19'	10°49'	23°36'	12°59'	17°39'	3°14'	17°57'	9°5'	14°25'	15°24'	5°1'	22°59'	T 16
F 17	14 14 37	5°18'24	24°1'	9°35'	11°59'	23°45'	13°7'	17°42'	3°18'	17°57'	9°6'	14°18'	15°21'	5°7'	23°2'	F 17
S 18	14 18 33	6°16'31	8°19	10°54'	13°10'	23°53'	13°15'	17°45'	3°21'	17°57'	9°7'	14°10'	15°18'	5°14'	23°4'	S 18
S 19	14 22 30	7°14'36	23°2'	12°16'	14°20'	24°1'	13°24'	17°48'	3°25'	17°56'	9°8'	14°0'	15°15'	5°21'	23°7'	S 19
M20	14 26 26	8°12'39	8°2	13°39'	15°30'	24°8'	13°33'	17°51'	3°28'	17°D56	9°8'	13°50'	15°12'	5°27'	23°10'	M20
T 21	14 30 23	9°10'41	23°10'	15°5'	16°41'	24°14'	13°41'	17°54'	3°32'	17°56'	9°9'	13°41'	15°8'	5°34'	23°13'	T 21
W22	14 34 19	10°8'41	8°16	16°33'	17°51'	24°19'	13°50'	17°57'	3°35'	17°57'	9°10'	13°35'	15°5'	5°41'	23°16'	W22
T 23	14 38 16	11°6'40	23°10'	18°3'	19°1'	24°24'	13°59'	17°59'	3°39'	17°57'	9°11'	13°31'	15°2'	5°47'	23°19'	T 23
F 24	14 42 13	12°4'37	7°46	19°35'	20°10'	24°29'	14°8'	18°2'	3°42'	17°57'	9°12'	13°D29	14°59'	5°54'	23°21'	F 24
S 25	14 46 9	13°2'32	22°0'	21°9'	21°20'	24°32'	14°18'	18°4'	3°45'	17°57'	9°13'	13°29'	14°56'	6°1'	23°24'	S 25
S 26	14 50 6	14°0'25	5°51	22°45'	22°30'	24°35'	14°27'	18°7'	3°49'	17°57'	9°14'	13°30'	14°53'	6°7'	23°27'	S 26
M27	14 54 2	14°58'16	19°20'	24°23'	23°39'	24°37'	14°37'	18°9'	3°52'	17°57'	9°15'	13°R30	14°49'	6°14'	23°29'	M27
T 28	14 57 59	15°56'05	2°28	26°4'	24°49'	24°39'	14°46'	18°11'	3°56'	17°58'	9°16'	13°29'	14°46'	6°21'	23°32'	T 28
W29	15 1 55	16°53'53	15°19'	27°46'	25°58'	24°R40	14°56'	18°14'	3°59'	17°58'	9°17'	13°25'	14°43'	6°27'	23°34'	W29
T 30	15 5 52	17°51'39	27°56	29°31	27°11	24°40	15°56	18°16	4°8	17°58	9°18	13°30	14°40	6°34	23°37	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	7n45	6n 0	3s49	3s26	1s28	19n32	0n59	23s10	0s 1	23n26	0n24	16s47	0s56	11n55	0s27	15n54	0n27	22n29	0s44	22s33	22s32	24s20	0n20	3n45			
T 2	8 7	0 35	4 26	3 24	1 39	19 53	1 2	23 14	0 3	23 26	0 24	16 46	0 56	11 56	0 27	15 54	0 27	22 29	0 44	22 34	22 32	24 20	0 21	3 45			
F 3	8 29	4s48	4 50	3 19	1 49	20 13	1 5	23 17	0 5	23 25	0 24	16 44	0 56	11 57	0 27	15 55	0 27	22 29	0 44	22 35	22 32	24 21	0 23	3 45			
S 4	8 51	9 54	5 0	3 12	1 58	20 33	1 8	23 20	0 8	23 25	0 24	16 43	0 57	11 58	0 27	15 55	0 27	22 29	0 44	22 36	22 33	24 22	0 24	3 45			
S 5	9 13	14 32	4 55	3 3	2 6	20 53	1 11	23 23	0 10	23 24	0 24	16 42	0 57	11 59	0 27	15 55	0 27	22 29	0 43	22 38	22 33	24 22	0 25	3 45			
M 6	9 34	18 32	4 37	2 52	2 14	21 11	1 13	23 27	0 12	23 23	0 24	16 41	0 57	12 1	0 27	15 55	0 27	22 29	0 43	22 39	22 34	24 23	0 27	3 45			
T 7	9 56	21 43	4 7	2 39	2 21	21 30	1 16	23 30	0 14	23 23	0 24	16 40	0 57	12 2	0 27	15 55	0 27	22 29	0 43	22 41	22 34	24 24	0 28	3 45			
W 8	10 17	23 56	3 26	2 24	2 27	21 47	1 19	23 33	0 16	23 22	0 24	16 39	0 57	12 3	0 27	15 55	0 27	22 29	0 43	22 42	22 34	24 24	0 29	3 45			
T 9	10 38	25 5	2 36	2 7	2 33	22 4	1 22	23 36	0 19	23 22	0 24	16 38	0 57	12 4	0 27	15 55	0 27	22 29	0 43	22 42	22 35	24 25	0 31	3 45			
F 10	10 59	25 6	1 40	1 49	2 38	22 21	1 25	23 39	0 21	23 21	0 24	16 37	0 58	12 5	0 27	15 55	0 27	22 29	0 43	22 43	22 35	24 25	0 32	3 45			
S 11	11 20	23 58	0 39	1 28	2 42	22 37	1 27	23 42	0 24	23 20	0 24	16 36	0 58	12 7	0 27	15 56	0 27	22 29	0 43	22 43	22 35	24 26	0 33	3 46			
S 12	11 40	21 43	0n25	1 6	2 46	22 52	1 30	23 45	0 26	23 20	0 24	16 35	0 58	12 8	0 27	15 56	0 27	22 29	0 43	22 43	22 36	24 27	0 35	3 46			
M13	12 0	18 28	1 29	0 42	2 49	23 7	1 33	23 49	0 29	23 19	0 24	16 34	0 58	12 9	0 27	15 56	0 27	22 29	0 43	22 43	22 36	24 27	0 36	3 46			
T 14	12 21	14 19	2 30	0 17	2 51	23 21	1 35	23 52	0 31	23 18	0 24	16 33	0 58	12 10	0 27	15 56	0 27	22 30	0 43	22 43	22 37	24 28	0 37	3 46			
W15	12 41	9 24	3 25	0n10	2 53	23 35	1 38	23 55	0 34	23 17	0 24	16 32	0 58	12 11	0 27	15 56	0 27	22 30	0 43	22 43	22 37	24 28	0 38	3 46			
T 16	13 0	3 54	4 11	0 38	2 54	23 48	1 40	23 58	0 37	23 17	0 24	16 31	0 59	12 12	0 27	15 56	0 27	22 30	0 43	22 44	22 37	24 29	0 40	3 46			
F 17	13 20	1n58	4 44	1 8	2 55	24 0	1 43	24 1	0 39	23 16	0 24	16 30	0 59	12 14	0 27	15 56	0 27	22 30	0 43	22 45	22 38	24 30	0 41	3 46			
S 18	13 39	7 55	5 1	1 39	2 55	24 11	1 45	24 4	0 42	23 15	0 24	16 30	0 59	12 15	0 27	15 56	0 27	22 30	0 42	22 46	22 38	24 30	0 42	3 46			
S 19	13 58	13 36	4 59	2 12	2 54	24 22	1 48	24 8	0 45	23 14	0 24	16 29	0 59	12 16	0 27	15 56	0 27	22 30	0 42	22 47	22 38	24 31	0 43	3 46			
M20	14 17	18 35	4 37	2 45	2 52	24 33	1 50	24 11	0 48	23 13	0 24	16 28	0 59	12 17	0 27	15 56	0 27	22 30	0 42	22 48	22 39	24 31	0 44	3 46			
T 21	14 36	22 24	3 55	3 20	2 51	24 42	1 52	24 14	0 51	23 13	0 24	16 27	0 59	12 18	0 27	15 56	0 27	22 30	0 42	22 48	22 39	24 32	0 46	3 46			
W22	14 54	24 39	2 56	3 56	2 48	24 51	1 54	24 17	0 54	23 12	0 24	16 27	1 0	12 20	0 27	15 56	0 27	22 30	0 42	22 49	22 39	24 32	0 47	3 46			
T 23	15 13	25 6	1 46	4 33	2 45	24 59	1 56	24 21	0 57	23 11	0 24	16 26	1 0	12 21	0 27	15 56	0 27	22 30	0 42	22 50	22 40	24 33	0 48	3 46			
F 24	15 30	23 48	0 31	5 12	2 41	25 7	1 58	24 24	1 0	23 10	0 24	16 25	1 0	12 22	0 27	15 56	0 27	22 30	0 42	22 50	22 40	24 33	0 49	3 47			
S 25	15 48	20 58	0s45	5 51	2 37	25 14	2 0	24 27	1 3	23 9	0 24	16 25	1 0	12 23	0 27	15 56	0 27	22 30	0 42	22 50	22 40	24 34	0 50	3 47			
S 26	16 6	16 59	1 57	6 31	2 32	25 20	2 2	24 31	1 7	23 8	0 25	16 24	1 0	12 24	0 27	15 56	0 27	22 30	0 42	22 50	22 41	24 34	0 51	3 47			
M27	16 23	12 14	2 59	7 12	2 27	25 26	2 4	24 34	1 10	23 7	0 25	16 24	1 0	12 25	0 27	15 56	0 27	22 30	0 42	22 50	22 41	24 35	0 53	3 47			
T 28	16 40	7 2	3 51	7 54	2 21	25 31	2 6	24 37	1 13	23 6	0 25	16 23	1 1	12 27	0 27	15 56	0 27	22 30	0 42	22 50	22 42	24 35	0 54	3 47			
W29	16 56	1 39	4 30	8 37	2 15	25 35	2 8	24 41	1 17	23 5	0 25	16 23	1 1	12 28	0 27	15 55	0 27	22 30	0 42	22 50	22 42	24 36	0 55	3 47			
T 30	17n12	3s41	4s55	9n20	2s 8	25n38	2n 9	24s44	1s20	23n 4	0n25	16s22	1s 1	12n29	0s27	15n55	0n27	22n30	0s42	22s51	22s42	24s36	0n56	3n47			

ASTRODIENST EPHEMERIS for the year 1433
geocentric

MAY 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	15 9 48	18♂49'23	10♂21	1♂17	28♂16	24♂R39	15♂15	18♂18	4♂ 6	17♂L58	9♂19	13♂R12	14♂37	6♂41	23♂39	F 1
S 2	15 13 45	19°47'06	22°35	3° 6	29°25	24♂37	15°25	18°19	4° 9	17°59	9°20	13♂ 2	14°34	6°47	23°42	S 2
S 3	15 17 42	20°44'47	4♂41	4°56	0♂34	24°35	15°35	18°21	4°13	17°59	9°21	12°53	14°30	6°54	23°44	S 3
M 4	15 21 38	21°42'27	16°41	6°49	1°43	24°32	15°46	18°23	4°16	18° 0	9°22	12°43	14°27	7° 1	23°46	M 4
T 5	15 25 35	22°40'05	28°35	8°44	2°51	24°28	15°56	18°24	4°19	18° 0	9°23	12°35	14°24	7° 7	23°48	T 5
W 6	15 29 31	23°37'43	10♂25	10°41	4° 0	24°24	16° 6	18°26	4°23	18° 1	9°25	12°28	14°21	7°14	23°51	W 6
T 7	15 33 28	24°35'19	22°13	12°39	5° 8	24°19	16°17	18°27	4°26	18° 1	9°26	12°24	14°18	7°21	23°53	T 7
F 8	15 37 24	25°32'54	4♂ 3	14°40	6°16	24°13	16°27	18°29	4°29	18° 2	9°27	12°22	14°14	7°27	23°55	F 8
S 9	15 41 21	26°30'28	15°56	16°43	7°24	24° 6	16°38	18°30	4°32	18° 2	9°28	12°D22	14°11	7°34	23°57	S 9
S 10	15 45 17	27°28'01	27°57	18°47	8°32	23°58	16°48	18°31	4°36	18° 3	9°29	12°22	14° 8	7°41	23°59	S 10
M 11	15 49 14	28°25'33	10♂11	20°53	9°40	23°50	16°59	18°32	4°39	18° 4	9°30	12°24	14° 5	7°47	24° 1	M 11
T 12	15 53 11	29°23'04	22°41	23° 0	10°48	23°41	17°10	18°33	4°42	18° 4	9°32	12°25	14° 2	7°54	24° 3	T 12
W 13	15 57 7	0♂20'34	5♂32	25° 9	11°55	23°32	17°21	18°33	4°45	18° 5	9°33	12°R25	13°59	8° 1	24° 5	W 13
T 14	16 1 4	1°18'04	18°48	27°19	13° 3	23°21	17°32	18°34	4°49	18° 6	9°34	12°24	13°55	8° 7	24° 7	T 14
F 15	16 5 0	2°15'32	2♂33	29°30	14°10	23°10	17°43	18°35	4°52	18° 7	9°36	12°21	13°52	8°14	24° 9	F 15
S 16	16 8 57	3°13'00	16°45	1♂41	15°17	22°58	17°54	18°35	4°55	18° 7	9°37	12°16	13°49	8°21	24°11	S 16
S 17	16 12 53	4°10'28	1♂24	3°53	16°24	22°46	18° 5	18°36	4°58	18° 8	9°38	12°11	13°46	8°27	24°12	S 17
M 18	16 16 50	5° 7'54	16°23	6° 5	17°30	22°33	18°16	18°36	5° 1	18° 9	9°39	12° 5	13°43	8°34	24°14	M 18
T 19	16 20 46	6° 5'20	1♂35	8°17	18°37	22°19	18°28	18°36	5° 4	18°10	9°41	12° 1	13°40	8°41	24°16	T 19
W 20	16 24 43	7° 2'45	16°49	10°29	19°43	22° 5	18°39	18°36	5° 7	18°11	9°42	11°57	13°36	8°48	24°17	W 20
T 21	16 28 40	8° 0'09	1♂55	12°39	20°50	21°50	18°51	18°R36	5°10	18°12	9°43	11°55	13°33	8°54	24°19	T 21
F 22	16 32 36	8°57'32	16°44	14°49	21°56	21°34	19° 2	18°36	5°13	18°13	9°45	11°D55	13°30	9° 1	24°20	F 22
S 23	16 36 33	9°54'54	1♂11	16°58	23° 1	21°18	19°14	18°36	5°16	18°14	9°46	11°56	13°27	9° 8	24°22	S 23
S 24	16 40 29	10°52'15	15°13	19° 6	24° 7	21° 2	19°26	18°36	5°19	18°15	9°48	11°57	13°24	9°14	24°23	S 24
M 25	16 44 26	11°49'35	28°49	21°12	25°13	20°45	19°37	18°35	5°22	18°16	9°49	11°59	13°20	9°21	24°25	M 25
T 26	16 48 22	12°46'53	12♂ 1	23°16	26°18	20°28	19°49	18°35	5°25	18°17	9°50	11°R59	13°17	9°28	24°26	T 26
W 27	16 52 19	13°44'11	24°51	25°18	27°23	20°10	20° 1	18°34	5°28	18°18	9°52	11°59	13°14	9°34	24°27	W 27
T 28	16 56 15	14°41'28	7♂22	27°18	28°28	19°52	20°13	18°34	5°31	18°20	9°53	11°57	13°11	9°41	24°28	T 28
F 29	17 0 12	15°38'44	19°40	29°17	29°32	19°34	20°25	18°33	5°34	18°21	9°55	11°54	13° 8	9°48	24°29	F 29
S 30	17 4 9	16°35'59	1♂46	1♂13	0♂37	19°16	20°37	18°32	5°37	18°22	9°56	11°50	13° 5	9°54	24°31	S 30
S 31	17 8 5	17♂33'14	13♂44	3♂ 7	1♂41	18♂57	20♂49	18♂31	5♂40	18♂23	9♂58	11♂46	13♂ 1	10♂ 1	24♂32	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	17n29	8s47	5s 5	10n 4	2s 1	25n41	2n11	24s48	1s24	23n 3	0n25	16s22	1s 1	12n30	0s27	15n55	0n27	22n30	0s41	22s51	22s43	24s37	0n57	3n47	
S 2	17 44	13 28	5 1	10 48	1 53	25 43	2 12	24 51	1 27	23 2	0 25	16 21	1 1	12 31	0 27	15 55	0 27	22 30	0 41	22 52	22 43	24 37	0 58	3 47	
S 3	18 0	17 35	4 44	11 33	1 45	25 44	2 14	24 55	1 31	23 1	0 25	16 21	1 1	12 32	0 27	15 55	0 27	22 30	0 41	22 53	22 43	24 38	0 59	3 47	
M 4	18 15	20 56	4 14	12 19	1 37	25 45	2 15	24 58	1 34	22 59	0 25	16 21	1 2	12 33	0 27	15 55	0 27	22 30	0 41	22 54	22 44	24 38	1 0	3 48	
T 5	18 30	23 22	3 33	13 4	1 28	25 45	2 16	25 2	1 38	22 58	0 25	16 20	1 2	12 35	0 27	15 55	0 27	22 30	0 41	22 55	22 44	24 39	1 1	3 48	
W 6	18 44	24 47	2 44	13 50	1 18	25 44	2 17	25 5	1 42	22 57	0 25	16 20	1 2	12 36	0 27	15 55	0 27	22 30	0 41	22 56	22 44	24 39	1 2	3 48	
T 7	18 59	25 4	1 47	14 36	1 9	25 43	2 18	25 9	1 45	22 56	0 25	16 20	1 2	12 37	0 27	15 54	0 27	22 30	0 41	22 56	22 45	24 39	1 3	3 48	
F 8	19 12	24 12	0 45	15 21	0 59	25 41	2 19	25 12	1 49	22 55	0 25	16 19	1 2	12 38	0 27	15 54	0 27	22 30	0 41	22 56	22 45	24 40	1 4	3 48	
S 9	19 26	22 14	0n19	16 7	0 48	25 38	2 20	25 16	1 53	22 53	0 25	16 19	1 3	12 39	0 27	15 54	0 27	22 30	0 41	22 56	22 45	24 40	1 5	3 48	
S 10	19 39	19 16	1 24	16 51	0 38	25 35	2 21	25 19	1 57	22 52	0 25	16 19	1 3	12 40	0 27	15 54	0 27	22 30	0 41	22 56	22 46	24 41	1 6	3 48	
M11	19 52	15 25	2 25	17 35	0 27	25 31	2 22	25 23	2 1	22 51	0 25	16 19	1 3	12 41	0 27	15 54	0 27	22 30	0 41	22 56	22 46	24 41	1 7	3 48	
T 12	20 5	10 50	3 21	18 19	0 17	25 26	2 22	25 26	2 5	22 49	0 25	16 19	1 3	12 42	0 27	15 53	0 27	22 30	0 41	22 56	22 46	24 42	1 8	3 49	
W13	20 17	5 39	4 9	19 1	0 6	25 21	2 23	25 30	2 9	22 48	0 25	16 19	1 3	12 43	0 27	15 53	0 27	22 30	0 41	22 56	22 47	24 42	1 9	3 49	
T 14	20 29	0 4	4 45	19 42	0n 5	25 15	2 23	25 33	2 13	22 47	0 25	16 19	1 3	12 44	0 27	15 53	0 27	22 30	0 41	22 56	22 47	24 42	1 9	3 49	
F 15	20 41	5n41	5 6	20 21	0 15	25 8	2 23	25 37	2 17	22 45	0 25	16 19	1 4	12 46	0 27	15 53	0 27	22 30	0 40	22 56	22 47	24 43	1 10	3 49	
S 16	20 52	11 22	5 10	20 59	0 26	25 0	2 23	25 40	2 21	22 44	0 25	16 19	1 4	12 47	0 27	15 52	0 27	22 30	0 40	22 57	22 48	24 43	1 11	3 49	
S 17	21 3	16 35	4 53	21 35	0 36	24 52	2 23	25 43	2 25	22 42	0 25	16 19	1 4	12 48	0 27	15 52	0 27	22 30	0 40	22 57	22 48	24 43	1 12	3 49	
M18	21 13	20 53	4 17	22 8	0 45	24 44	2 23	25 46	2 29	22 41	0 25	16 19	1 4	12 49	0 27	15 52	0 27	22 29	0 40	22 58	22 48	24 44	1 13	3 49	
T 19	21 23	23 50	3 22	22 39	0 55	24 35	2 23	25 50	2 33	22 39	0 26	16 19	1 4	12 50	0 27	15 52	0 27	22 29	0 40	22 58	22 49	24 44	1 13	3 49	
W20	21 33	25 4	2 13	23 8	1 4	24 25	2 23	25 53	2 36	22 38	0 26	16 19	1 5	12 51	0 27	15 51	0 27	22 29	0 40	22 58	22 49	24 45	1 14	3 50	
T 21	21 43	24 24	0 54	23 35	1 12	24 14	2 22	25 56	2 40	22 36	0 26	16 19	1 5	12 52	0 27	15 51	0 27	22 29	0 40	22 59	22 49	24 45	1 15	3 50	
F 22	21 52	22 2	0s26	23 58	1 20	24 3	2 22	25 59	2 44	22 35	0 26	16 20	1 5	12 53	0 27	15 51	0 27	22 29	0 40	22 59	22 50	24 45	1 16	3 50	
S 23	22 0	18 16	1 44	24 19	1 27	23 52	2 21	26 2	2 48	22 33	0 26	16 20	1 5	12 54	0 27	15 50	0 27	22 29	0 40	22 59	22 50	24 46	1 16	3 50	
S 24	22 9	13 35	2 52	24 37	1 34	23 39	2 20	26 4	2 52	22 32	0 26	16 20	1 5	12 55	0 27	15 50	0 27	22 29	0 40	22 58	22 50	24 46	1 17	3 50	
M25	22 17	8 20	3 49	24 53	1 40	23 27	2 19	26 7	2 56	22 30	0 26	16 20	1 5	12 56	0 27	15 50	0 27	22 29	0 40	22 58	22 51	24 46	1 18	3 50	
T 26	22 24	2 53	4 32	25 5	1 45	23 13	2 18	26 10	3 0	22 28	0 26	16 21	1 6	12 57	0 27	15 49	0 27	22 29	0 40	22 58	22 51	24 46	1 18	3 50	
W27	22 31	2s32	5 0	25 15	1 50	22 59	2 17	26 12	3 4	22 27	0 26	16 21	1 6	12 58	0 27	15 49	0 27	22 29	0 40	22 58	22 51	24 47	1 19	3 51	
T 28	22 38	7 43	5 13	25 22	1 53	22 45	2 16	26 14	3 8	22 25	0 26	16 21	1 6	12 59	0 27	15 49	0 27	22 29	0 40	22 58	22 51	24 47	1 20	3 51	
F 29	22 44	12 30	5 11	25 27	1 56	22 30	2 15	26 17	3 11	22 23	0 26	16 22	1 6	13 0	0 27	15 48	0 27	22 29	0 40	22 59	22 52	24 47	1 20	3 51	
S 30	22 50	16 44	4 55	25 29	1 59	22 15	2 13	26 19	3 15	22 21	0 26	16 22	1 6	13 0	0 27	15 48	0 27	22 29	0 39	22 59	22 52	24 48	1 21	3 51	
S 31	22n56	20s15	4s27	25n29	2n 0	21n59	2n11	26s21	3s18	22n20	0n26	16s23	1s 7	13n 1	0s27	15n47	0n27	22n29	0s39	22s59	22s52	24s48	1n21	3n51	

ASTRODIENST EPHEMERIS for the year 1433
geocentric

JUNE 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 12 2	18°30'27	25°37	48°58	2°45	18°R38	21°51	18°R30	5°42	18°125	9°59	11°R43	12°58	10°8	24°33	M 1
T 2	17 15 58	19°27'41	7°26	6°48	3°48	18°20	21°14	18°29	5°45	18°26	10° 0	11°39	12°55	10°14	24°34	T 2
W 3	17 19 55	20°24'54	19°16	8°35	4°52	18° 1	21°26	18°27	5°48	18°27	10° 2	11°37	12°52	10°21	24°34	W 3
T 4	17 23 51	21°22'06	1°36	10°20	5°55	17°42	21°38	18°26	5°50	18°29	10° 3	11°35	12°49	10°28	24°35	T 4
F 5	17 27 48	22°19'18	13° 0	12° 2	6°58	17°23	21°50	18°25	5°53	18°30	10° 5	11°D35	12°46	10°34	24°36	F 5
S 6	17 31 44	23°16'30	25° 1	13°42	8° 1	17° 4	22° 3	18°23	5°56	18°31	10° 6	11°36	12°42	10°41	24°37	S 6
S 7	17 35 41	24°13'41	7° 9	15°20	9° 3	16°45	22°15	18°22	5°58	18°33	10° 8	11°37	12°39	10°48	24°37	S 7
M 8	17 39 38	25°10'52	19°30	16°55	10° 5	16°26	22°28	18°20	6° 1	18°34	10° 9	11°38	12°36	10°54	24°38	M 8
T 9	17 43 34	26° 8'03	2° 5	18°28	11° 7	16° 8	22°40	18°18	6° 3	18°36	10°11	11°39	12°33	11° 1	24°39	T 9
W10	17 47 31	27° 5'15	14°58	19°59	12° 8	15°50	22°53	18°16	6° 6	18°37	10°13	11°40	12°30	11° 8	24°39	W10
T 11	17 51 27	28° 2'26	28°13	21°27	13°10	15°32	23° 5	18°14	6° 8	18°39	10°14	11°R40	12°26	11°14	24°40	T 11
F 12	17 55 24	28°59'37	11°51	22°53	14°10	15°14	23°18	18°12	6°11	18°40	10°16	11°40	12°23	11°21	24°40	F 12
S 13	17 59 20	29°56'49	25°53	24°17	15°11	14°57	23°31	18°10	6°13	18°42	10°17	11°39	12°20	11°28	24°40	S 13
S 14	18 3 17	05°54'01	10°19	25°37	16°11	14°40	23°43	18° 8	6°15	18°44	10°19	11°38	12°17	11°34	24°41	S 14
M15	18 7 13	1°51'13	25° 4	26°56	17°11	14°24	23°56	18° 5	6°18	18°45	10°20	11°37	12°14	11°41	24°41	M15
T 16	18 11 10	2°48'25	10°11	28°11	18°11	14° 8	24° 9	18° 3	6°20	18°47	10°22	11°36	12°11	11°48	24°41	T 16
W17	18 15 7	3°45'37	25°10	29°25	19°10	13°53	24°22	18° 0	6°22	18°49	10°23	11°35	12° 7	11°54	24°41	W17
T 18	18 19 3	4°42'50	10°14	0°135	20° 9	13°38	24°35	17°58	6°24	18°50	10°25	11°D35	12° 4	12° 1	24°41	T 18
F 19	18 23 0	5°40'02	25° 6	1°43	21° 7	13°24	24°48	17°55	6°26	18°52	10°26	11°35	12° 1	12° 8	24°R41	F 19
S 20	18 26 56	6°37'14	9°140	2°47	22° 5	13°11	25° 0	17°52	6°28	18°54	10°28	11°36	11°58	12°14	24°41	S 20
S 21	18 30 53	7°34'27	23°50	3°49	23° 2	12°58	25°13	17°50	6°31	18°55	10°30	11°36	11°55	12°21	24°41	S 21
M22	18 34 49	8°31'39	7°33	4°48	24° 0	12°46	25°26	17°47	6°33	18°57	10°31	11°36	11°52	12°28	24°41	M22
T 23	18 38 46	9°28'51	20°51	5°44	24°56	12°34	25°39	17°44	6°35	18°59	10°33	11°37	11°48	12°34	24°41	T 23
W24	18 42 43	10°26'02	3°45	6°36	25°53	12°24	25°52	17°41	6°37	19° 1	10°34	11°37	11°45	12°41	24°41	W24
T 25	18 46 39	11°23'14	16°18	7°25	26°48	12°14	26° 5	17°38	6°38	19° 3	10°36	11°37	11°42	12°48	24°40	T 25
F 26	18 50 36	12°20'26	28°33	8°11	27°44	12° 5	26°18	17°34	6°40	19° 5	10°37	11°37	11°39	12°54	24°40	F 26
S 27	18 54 32	13°17'38	10°136	8°53	28°38	11°57	26°32	17°31	6°42	19° 6	10°39	11°37	11°36	13° 1	24°40	S 27
S 28	18 58 29	14°14'50	22°31	9°31	29°32	11°49	26°45	17°28	6°44	19° 8	10°41	11°37	11°32	13° 8	24°39	S 28
M29	19 2 25	15°12'03	4°20	10° 5	0°26	11°42	26°58	17°24	6°46	19°10	10°42	11°38	11°29	13°14	24°39	M29
T 30	19 6 22	16°59'15	16° 9	10°135	1°19	11°37	27°11	17°21	6°47	19°12	10°44	11°38	11°26	13°21	24°38	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
M 1	23n 1	22s53	3s47	25n26	2n 1	21n42	2n10	26s23	3s22	22n18	0n26	16s23	1s 7	13n 2	0s27	15n47	0n27	22n29	0s39	23s 0	22s53	24s48	1n22	3n51	
T 2	23 6	24 32	2 57	25 21	2 1	21 26	2 8	26 24	3 25	22 16	0 26	16 24	1 7	13 3	0 27	15 47	0 27	22 29	0 39	23 0	22 53	24 48	1 22	3 52	
W 3	23 10	25 4	2 0	25 14	2 0	21 8	2 6	26 26	3 29	22 14	0 26	16 24	1 7	13 4	0 27	15 46	0 27	22 29	0 39	23 0	22 53	24 49	1 23	3 52	
T 4	23 14	24 28	0 58	25 5	1 59	20 51	2 3	26 28	3 32	22 12	0 26	16 25	1 7	13 5	0 27	15 46	0 27	22 29	0 39	23 0	22 54	24 49	1 23	3 52	
F 5	23 17	22 45	0n 8	24 54	1 57	20 32	2 1	26 29	3 35	22 10	0 26	16 26	1 7	13 6	0 27	15 45	0 27	22 29	0 39	23 0	22 54	24 49	1 24	3 52	
S 6	23 21	19 59	1 14	24 42	1 54	20 14	1 59	26 30	3 38	22 8	0 26	16 26	1 8	13 7	0 27	15 45	0 27	22 29	0 39	23 0	22 54	24 49	1 24	3 52	
S 7	23 23	16 20	2 17	24 28	1 51	19 55	1 56	26 31	3 41	22 6	0 27	16 27	1 8	13 8	0 27	15 44	0 27	22 29	0 39	23 0	22 55	24 50	1 25	3 52	
M 8	23 26	11 56	3 15	24 12	1 47	19 35	1 53	26 32	3 44	22 4	0 27	16 28	1 8	13 8	0 27	15 44	0 27	22 29	0 39	23 0	22 55	24 50	1 25	3 52	
T 9	23 27	6 58	4 4	23 55	1 42	19 16	1 50	26 33	3 47	22 2	0 27	16 28	1 8	13 9	0 27	15 44	0 27	22 29	0 39	23 0	22 55	24 50	1 25	3 53	
W10	23 29	1 35	4 43	23 37	1 37	18 55	1 47	26 34	3 50	22 0	0 27	16 29	1 8	13 10	0 27	15 43	0 27	22 29	0 39	23 0	22 55	24 50	1 26	3 53	
T 11	23 30	4n 0	5 8	23 18	1 31	18 35	1 44	26 34	3 52	21 58	0 27	16 30	1 9	13 11	0 27	15 43	0 27	22 28	0 39	23 0	22 56	24 50	1 26	3 53	
F 12	23 31	9 33	5 17	22 57	1 25	18 14	1 41	26 35	3 55	21 56	0 27	16 31	1 9	13 12	0 27	15 42	0 27	22 28	0 39	23 0	22 56	24 51	1 26	3 53	
S 13	23 31	14 47	5 7	22 36	1 18	17 53	1 37	26 35	3 57	21 54	0 27	16 31	1 9	13 12	0 27	15 42	0 27	22 28	0 39	23 0	22 56	24 51	1 27	3 53	
S 14	23 31	19 21	4 38	22 14	1 10	17 31	1 33	26 36	3 59	21 52	0 27	16 32	1 9	13 13	0 27	15 41	0 27	22 28	0 38	23 0	22 57	24 51	1 27	3 53	
M15	23 30	22 49	3 50	21 51	1 2	17 9	1 30	26 36	4 2	21 50	0 27	16 33	1 9	13 14	0 27	15 41	0 27	22 28	0 38	23 0	22 57	24 51	1 27	3 54	
T 16	23 29	24 46	2 46	21 27	0 53	16 47	1 26	26 36	4 4	21 48	0 27	16 34	1 9	13 15	0 27	15 40	0 27	22 28	0 38	23 0	22 57	24 51	1 27	3 54	
W17	23 28	24 55	1 30	21 3	0 44	16 25	1 22	26 36	4 6	21 45	0 27	16 35	1 10	13 15	0 27	15 40	0 27	22 28	0 38	23 0	22 58	24 51	1 28	3 54	
T 18	23 26	23 15	0 8	20 39	0 34	16 2	1 17	26 36	4 7	21 43	0 27	16 36	1 10	13 16	0 27	15 39	0 27	22 28	0 38	23 0	22 58	24 52	1 28	3 54	
F 19	23 23	19 58	1s14	20 14	0 24	15 39	1 13	26 36	4 9	21 41	0 27	16 37	1 10	13 17	0 27	15 39	0 27	22 28	0 38	23 0	22 58	24 52	1 28	3 54	
S 20	23 21	15 29	2 30	19 49	0 14	15 16	1 8	26 36	4 11	21 39	0 27	16 38	1 10	13 17	0 27	15 38	0 27	22 28	0 38	23 0	22 58	24 52	1 28	3 54	
S 21	23 18	10 15	3 34	19 24	0 3	14 53	1 4	26 36	4 12	21 36	0 27	16 39	1 10	13 18	0 27	15 37	0 27	22 28	0 38	23 0	22 59	24 52	1 28	3 54	
M22	23 14	4 41	4 23	18 59	0s 9	14 29	0 59	26 35	4 14	21 34	0 27	16 40	1 10	13 19	0 27	15 37	0 27	22 28	0 38	23 0	22 59	24 52	1 28	3 55	
T 23	23 10	0s55	4 57	18 34	0 21	14 5	0 54	26 35	4 15	21 32	0 28	16 41	1 11	13 19	0 27	15 36	0 27	22 28	0 38	23 0	22 59	24 52	1 28	3 55	
W24	23 6	6 18	5 15	18 9	0 33	13 41	0 48	26 35	4 16	21 29	0 28	16 42	1 11	13 20	0 27	15 36	0 27	22 28	0 38	23 0	23 0	24 52	1 28	3 55	
T 25	23 1	11 17	5 17	17 44	0 45	13 17	0 43	26 35	4 17	21 27	0 28	16 43	1 11	13 21	0 27	15 35	0 27	22 28	0 38	23 0	23 0	24 52	1 28	3 55	
F 26	22 56	15 43	5 4	17 20	0 58	12 53	0 37	26 34	4 18	21 25	0 28	16 44	1 11	13 21	0 27	15 35	0 27	22 28	0 38	23 0	23 0	24 53	1 28	3 55	
S 27	22 51	19 27	4 38	16 57	1 12	12 29	0 32	26 34	4 19	21 22	0 28	16 46	1 11	13 22	0 27	15 34	0 27	22 28	0 38	23 0	23 0	24 53	1 28	3 55	
S 28	22 45	22 19	4 0	16 34	1 25	12 4	0 26	26 34	4 20	21 20	0 28	16 47	1 11	13 22	0 27	15 33	0 27	22 27	0 38	23 0	23 1	24 53	1 28	3 55	
M29	22 39	24 14	3 13	16 11	1 39	11 40	0 20	26 34	4 21	21 17	0 28	16 48	1 11	13 23	0 27	15 33	0 27	22 27	0 38	23 0	23 1	24 53	1 28	3 56	
T 30	22n32	25s 4	2s17	15n50	1s52	11n15	0n13	26s33	4s21	21n15	0n28	16s49	1s12	13n23	0s27	15n32	0n27	22n27	0s38	23s 0	23s 1	24s53	1n28	3n56	

ASTRODIENST EPHEMERIS for the year 1433
geocentric

JULY 1433 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	19 10 18	17°56'28"	28°00'00"	11°00'00"	2°00'00"	11°00'00"	27°00'00"	17°00'00"	6°00'00"	19°00'00"	10°00'00"	11°00'00"	11°00'00"	13°00'00"	24°00'00"	W 1
T 2	19 14 15	18° 3'42"	9°00'00"	11°00'00"	3° 0'00"	11°00'00"	27°00'00"	17°00'00"	6°00'00"	19°00'00"	10°00'00"	11°00'00"	11°00'00"	13°00'00"	24°00'00"	T 2
F 3	19 18 12	19° 0'55"	21°00'00"	11°00'00"	3°55'00"	11°00'00"	27°00'00"	17°00'00"	6°00'00"	19°00'00"	10°00'00"	11°00'00"	11°00'00"	13°00'00"	24°00'00"	F 3
S 4	19 22 8	19°58'10"	4°00'00"	11°00'00"	4°45'00"	11°00'00"	28° 0'00"	17° 0'00"	6°54'00"	19°20'00"	10°50'00"	11°38'00"	11°13'00"	13°48'00"	24°35'00"	S 4
S 5	19 26 5	20°55'25"	16°34'00"	12° 0'00"	5°35'00"	11°20'00"	28°17'00"	17° 3'00"	6°55'00"	19°22'00"	10°51'00"	11°37'00"	11°10'00"	13°54'00"	24°34'00"	S 5
M 6	19 30 1	21°52'40"	29° 9'00"	12°R 2	6°24'00"	11°19'00"	28°30'00"	16°59'00"	6°57'00"	19°24'00"	10°53'00"	11°36'00"	11° 7'00"	14° 1'00"	24°34'00"	M 6
T 7	19 33 58	22°49'57"	11°00'00"	12° 0'00"	7°13'00"	11°D19	28°43'00"	16°55'00"	6°58'00"	19°26'00"	10°55'00"	11°34'00"	11° 4'00"	14° 8'00"	24°33'00"	T 7
W 8	19 37 54	23°47'14"	25° 1'00"	11°53'00"	8° 0'00"	11°20'00"	28°56'00"	16°51'00"	6°59'00"	19°28'00"	10°56'00"	11°33'00"	11° 1'00"	14°14'00"	24°32'00"	W 8
T 9	19 41 51	24°44'32"	8°00'00"	11°41'00"	8°47'00"	11°21'00"	29°10'00"	16°47'00"	7° 1'00"	19°30'00"	10°58'00"	11°32'00"	10°57'00"	14°21'00"	24°31'00"	T 9
F 10	19 45 47	25°41'51"	21°58'00"	11°23'00"	9°33'00"	11°24'00"	29°23'00"	16°43'00"	7° 2'00"	19°32'00"	10°59'00"	11°D31	10°54'00"	14°27'00"	24°30'00"	F 10
S 11	19 49 44	26°39'11"	5°00'00"	11° 1'00"	10°18'00"	11°27'00"	29°36'00"	16°39'00"	7° 3'00"	19°34'00"	11° 1'00"	11°31'00"	10°51'00"	14°34'00"	24°28'00"	S 11
S 12	19 53 41	27°36'33"	20° 4'00"	10°35'00"	11° 3'00"	11°31'00"	29°49'00"	16°35'00"	7° 4'00"	19°36'00"	11° 2'00"	11°32'00"	10°48'00"	14°41'00"	24°27'00"	S 12
M13	19 57 37	28°33'55"	4°00'00"	10° 4'00"	11°46'00"	11°36'00"	0°00'00"	16°31'00"	7° 5'00"	19°38'00"	11° 4'00"	11°33'00"	10°45'00"	14°47'00"	24°26'00"	M13
T14	20 1 34	29°31'19"	19°11'00"	9°29'00"	12°29'00"	11°42'00"	0°16'00"	16°27'00"	7° 6'00"	19°40'00"	11° 5'00"	11°34'00"	10°42'00"	14°54'00"	24°25'00"	T14
W15	20 5 30	0°00'00"	12°00'00"	8°50'00"	13°10'00"	11°48'00"	0°29'00"	16°22'00"	7° 7'00"	19°43'00"	11° 7'00"	11°35'00"	10°38'00"	15° 1'00"	24°23'00"	W15
T16	20 9 27	1°26'09"	18°44'00"	8° 8'00"	13°51'00"	11°55'00"	0°43'00"	16°18'00"	7° 8'00"	19°45'00"	11° 8'00"	11°R35	10°35'00"	15° 7'00"	24°22'00"	T16
F17	20 13 23	2°23'36"	3°00'00"	7°24'00"	14°30'00"	12° 4'00"	0°56'00"	16°14'00"	7° 9'00"	19°47'00"	11°10'00"	11°34'00"	10°32'00"	15°14'00"	24°21'00"	F17
S18	20 17 20	3°21'04"	17°52'00"	6°39'00"	15° 8'00"	12°12'00"	1° 9'00"	16°10'00"	7°10'00"	19°49'00"	11°11'00"	11°32'00"	10°29'00"	15°21'00"	24°19'00"	S18
S19	20 21 16	4°18'32"	2°00'00"	5°52'00"	15°46'00"	12°22'00"	1°22'00"	16° 5'00"	7°11'00"	19°51'00"	11°13'00"	11°29'00"	10°26'00"	15°27'00"	24°18'00"	S19
M20	20 25 13	5°16'02"	15°46'00"	5° 6'00"	16°22'00"	12°33'00"	1°36'00"	16° 1'00"	7°12'00"	19°53'00"	11°14'00"	11°26'00"	10°23'00"	15°34'00"	24°16'00"	M20
T21	20 29 10	6°13'32"	29° 7'00"	4°20'00"	16°56'00"	12°44'00"	1°49'00"	15°56'00"	7°12'00"	19°56'00"	11°15'00"	11°23'00"	10°19'00"	15°41'00"	24°14'00"	T21
W22	20 33 6	7°11'03"	12° 4'00"	3°36'00"	17°30'00"	12°56'00"	2° 2'00"	15°52'00"	7°13'00"	19°58'00"	11°17'00"	11°20'00"	10°16'00"	15°47'00"	24°13'00"	W22
T23	20 37 3	8° 8'35"	24°39'00"	2°54'00"	18° 2'00"	13° 8'00"	2°15'00"	15°48'00"	7°14'00"	20° 0'00"	11°18'00"	11°18'00"	10°13'00"	15°54'00"	24°11'00"	T23
F24	20 40 59	9° 6'08"	6°00'00"	2°16'00"	18°33'00"	13°22'00"	2°28'00"	15°43'00"	7°14'00"	20° 2'00"	11°20'00"	11°D17	10°10'00"	16° 1'00"	24° 8'00"	F24
S25	20 44 56	10° 3'41"	18°59'00"	1°42'00"	19° 2'00"	13°36'00"	2°42'00"	15°39'00"	7°15'00"	20° 4'00"	11°21'00"	11°17'00"	10° 7'00"	16° 7'00"	24° 8'00"	S25
S26	20 48 52	11° 1'16"	0°00'00"	1°13'00"	19°30'00"	13°51'00"	2°55'00"	15°34'00"	7°15'00"	20° 6'00"	11°23'00"	11°19'00"	10° 3'00"	16°14'00"	24° 6'00"	S26
M27	20 52 49	11°58'52"	12°42'00"	0°50'00"	19°56'00"	14° 6'00"	3° 8'00"	15°30'00"	7°16'00"	20° 9'00"	11°24'00"	11°20'00"	10° 0'00"	16°21'00"	24° 4'00"	M27
T28	20 56 45	12°56'29"	24°32'00"	0°32'00"	20°21'00"	14°22'00"	3°21'00"	15°25'00"	7°16'00"	20°11'00"	11°25'00"	11°22'00"	9°57'00"	16°27'00"	24° 2'00"	T28
W29	21 0 42	13°54'06"	6°00'00"	0°21'00"	20°43'00"	14°39'00"	3°34'00"	15°21'00"	7°16'00"	20°13'00"	11°27'00"	11°R23	9°54'00"	16°34'00"	24° 0'00"	W29
T30	21 4 39	14°51'45"	18°28'00"	0°D17	21° 5'00"	14°56'00"	3°47'00"	15°16'00"	7°17'00"	20°15'00"	11°28'00"	11°23'00"	9°51'00"	16°41'00"	23°58'00"	T30
F31	21 8 35	15°04'25"	0°00'00"	0°00'00"	21°00'00"	15°00'00"	4°00'00"	15°00'00"	7°18'00"	20°18'00"	11°29'00"	11°21'00"	9°48'00"	16°47'00"	23°56'00"	F31

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
W 1	22n25	24s45	1s15	15n30	2s 6	10n50	0n 7	26s33	4s22	21n12	0n28	16s50	1s12	13n24	0s27	15n32
T 2	22 17 23	18 0 9	15 10	2 20	10 25	0 0	0 0	26 33	4 22	21 10	0 28	16 52	1 12	13 25	0 27	15 31
F 3	22 10 20	46 0n57	14 52	2 34	10 0	0s 6	0 0	26 33	4 22	21 7	0 28	16 53	1 12	13 25	0 27	15 30
S 4	22 1 17	18 2 2	14 35	2 48	9 35	0 13	0 0	26 33	4 23	21 5	0 28	16 54	1 12	13 26	0 27	15 30
S 5	21 53 13	2 3 2	14 20	3 2	9 10	0 21	0 0	26 33	4 23	21 2	0 28	16 55	1 12	13 26	0 28	15 29
M 6	21 44 8	9 3 54	14 6	3 15	8 46	0 28	0 0	26 33	4 23	20 59	0 28	16 57	1 13	13 26	0 28	15 29
T 7	21 34 2	51 4 35	13 54	3 29	8 21	0 35	0 0	26 33	4 23	20 57	0 29	16 58	1 13	13 27	0 28	15 28
W 8	21 25 2n39	5 3 13	44 3 41	7 56	0 43	0 0	0 0	26 33	4 23	20 54	0 29	16 59	1 13	13 27	0 28	15 27
T 9	21 15 8	9 5 16	13 36	3 53	7 31	0 51	0 0	26 33	4 23	20 51	0 29	17 1	1 13	13 28	0 28	15 27
F 10	21 4 13	23 5 11	13 30	4 5	7 6	0 59	0 0	26 33	4 22	20 49	0 29	17 2	1 13	13 28	0 28	15 26
S 11	20 53 18	3 4 48	13 25	4 15	6 42	1 7	0 0	26 33	4 22	20 46	0 29	17 3	1 13	13 28	0 28	15 25
S 12	20 42 21	47 4 8	13 23	4 25	6 17	1 15	0 0	26 33	4 22	20 43	0 29	17 5	1 13	13 29	0 28	15 25
M13	20 31 24	14 3 11	13 24	4 33	5 53	1 24	0 0	26 34	4 21	20 41	0 29	17 6	1 13	13 29	0 28	15 24
T14	20 19 25	5 2 1	13 26	4 40	5 28	1 33	0 0	26 34	4 21	20 38	0 29	17 8	1 14	13 30	0 28	15 23
W15	20 7 24	9 0 42	13 30	4 46	5 4	1 42	0 0	26 34	4 20	20 35	0 29	17 9	1 14	13 30	0 28	15 23
T16	19 54 21	33 0s39	13 37	4 50	4 40	1 51	0 0	26 35	4 20	20 32	0 29	17 10	1 14	13 30	0 28	15 22
F17	19 41 17	33 1 58	13 46	4 52	4 16	2 0	0 0	26 35	4 19	20 29	0 29	17 12	1 14	13 30	0 28	15 21
S18	19 28 12	34 3 7	13 56	4 53	3 53	2 10	0 0	26 36	4 19	20 27	0 29	17 13	1 14	13 31	0 28	15 21
S19	19 14 7	0 4 3	14 8	4 52	3 30	2 19	0 0	26 37	4 18	20 24	0 30	17 15	1 14	13 31	0 28	15 20
M20	19 1 1	16 4 44	14 22	4 49	3 7	2 29	0 0	26 37	4 17	20 21	0 30	17 16	1 14	13 31	0 28	15 19
T21	18 46 4s21	5 7 14	38 4 44	2 44	2 39	0 0	0 0	26 38	4 16	20 18	0 30	17 17	1 14	13 31	0 28	15 19
W22	18 32 9	36 5 14	14 54	4 38	2 21	2 49	0 0	26 39	4 16	20 15	0 30	17 19	1 14	13 32	0 28	15 18
T23	18 17 14	19 5 6	15 12	4 30	1 59	3 0	0 0	26 39	4 15	20 12	0 30	17 20	1 15	13 32	0 28	15 17
F24	18 2 18	20 4 44	15 30	4 20	1 38	3 10	0 0	26 40	4 14	20 9	0 30	17 22	1 15	13 32	0 28	15 17
S25	17 47 21	30 4 9	15 48	4 8	1 17	3 21	0 0	26 41	4 13	20 6	0 30	17 23	1 15	13 32	0 28	15 16
S26	17 31 23	43 3 24	16 7	3 56	0 56	3 32	0 0	26 42	4 12	20 3	0 30	17 25	1 15	13 32	0 28	15 15
M27	17 15 24	53 2 31	16 26	3 42	0 35	3 43	0 0	26 43	4 11	20 0	0 30	17 26	1 15	13 32	0 28	15 15
T28	16 59 24	55 1 31	16 44	3 27	0 15	3 54	0 0	26 44	4 10	19 58	0 30	17 27	1 15	13 32	0 28	15 14
W29	16 42 23	48 0 27	17 2	3 11	0s 4	4 5	0 0	26 45	4 9	19 55	0 30	17 29	1 15	13 33	0 28	15 13
T30	16 26 21	36 0n39	17 19	2 55	0 23	4 16	0 0	26 46	4 8	19 52	0 31	17 30	1 15	13 33	0 28	15 12
F31	16n 9	18s23	1n44	17n34	2s38	0s41	4s28	26s47	4s 7	19n49	0n31	17s32	1s15	13n33	0s28	15n12

Julian Day Number = 2244642.5, Delta T = 06m58s

Ecliptic obliquity = 23°30'48", Nutation = 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°50'14", Lahiri = 15°57'14" Julian Calendar 1 July 1433 == Greg. Calendar 10 July 1433

ASTRODIENST EPHEMERIS for the year 1433
geocentric

AUGUST 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 12 32	16♌47'07	13♋ 8	0♈31	21♍41	15♊33	4♈14	15°R 7	7♏17	20♌20	11♍31	11°R18	9♌44	16♊54	23°R54	S 1
S 2	21 16 28	17°44'49	25°49	0°49	21°57	15°52	4°27	15♋ 3	7°17	20°22	11°32	11♌13	9°41	17° 1	23♋52	S 2
M 3	21 20 25	18°42'33	8♋45	1°15	22°11	16°12	4°40	14°58	7°17	20°24	11°33	11° 7	9°38	17° 7	23°50	M 3
T 4	21 24 21	19°40'19	21°54	1°48	22°22	16°32	4°53	14°54	7°R17	20°26	11°35	11° 1	9°35	17°14	23°48	T 4
W 5	21 28 18	20°38'06	5♊17	2°28	22°32	16°53	5° 6	14°49	7°17	20°29	11°36	10°55	9°32	17°21	23°45	W 5
T 6	21 32 14	21°35'55	18°52	3°16	22°39	17°14	5°19	14°45	7°17	20°31	11°37	10°50	9°29	17°27	23°43	T 6
F 7	21 36 11	22°33'45	2♊38	4°11	22°44	17°36	5°32	14°40	7°17	20°33	11°38	10°46	9°25	17°34	23°41	F 7
S 8	21 40 8	23°31'38	16°33	5°13	22°47	17°59	5°45	14°36	7°17	20°35	11°40	10°45	9°22	17°41	23°39	S 8
S 9	21 44 4	24°29'32	0♈38	6°21	22°R48	18°22	5°58	14°31	7°17	20°38	11°41	10°D45	9°19	17°47	23°36	S 9
M10	21 48 1	25°27'28	14°50	7°35	22°46	18°45	6°10	14°27	7°17	20°40	11°42	10°46	9°16	17°54	23°34	M10
T 11	21 51 57	26°25'27	29° 8	8°56	22°42	19° 9	6°23	14°22	7°16	20°42	11°43	10°47	9°13	18° 1	23°31	T 11
W12	21 55 54	27°23'27	13♍30	10°21	22°36	19°34	6°36	14°18	7°16	20°44	11°44	10°R47	9° 9	18° 7	23°29	W12
T 13	21 59 50	28°21'28	27°53	11°52	22°27	19°59	6°49	14°14	7°15	20°46	11°46	10°46	9° 6	18°14	23°27	T 13
F 14	22 3 47	29°19'32	12♈11	13°27	22°16	20°24	7° 2	14° 9	7°15	20°49	11°47	10°43	9° 3	18°21	23°24	F 14
S 15	22 7 43	0♈17'37	26°20	15° 6	22° 3	20°50	7°14	14° 5	7°14	20°51	11°48	10°37	9° 0	18°27	23°22	S 15
S 16	22 11 40	1°15'44	10♈15	16°49	21°47	21°17	7°27	14° 1	7°14	20°53	11°49	10°30	8°57	18°34	23°19	S 16
M17	22 15 37	2°13'53	23°53	18°35	21°29	21°43	7°40	13°57	7°13	20°55	11°50	10°21	8°54	18°40	23°17	M17
T 18	22 19 33	3°12'03	7♊ 9	20°23	21° 8	22°11	7°52	13°53	7°13	20°57	11°51	10°12	8°50	18°47	23°14	T 18
W19	22 23 30	4°10'15	20° 5	22°13	20°46	22°38	8° 5	13°49	7°12	21° 0	11°52	10° 4	8°47	18°54	23°11	W19
T 20	22 27 26	5° 8'28	2♈39	24° 5	20°21	23° 7	8°17	13°45	7°11	21° 2	11°53	9°57	8°44	19° 0	23° 9	T 20
F 21	22 31 23	6° 6'43	14°56	25°58	19°55	23°35	8°30	13°41	7°10	21° 4	11°54	9°53	8°41	19° 7	23° 6	F 21
S 22	22 35 19	7° 5'00	26°59	27°52	19°26	24° 4	8°42	13°37	7° 9	21° 6	11°55	9°50	8°38	19°14	23° 3	S 22
S 23	22 39 16	8° 3'18	8♊52	29°47	18°56	24°33	8°54	13°33	7° 9	21° 8	11°56	9°D50	8°35	19°20	23° 1	S 23
M24	22 43 12	9° 1'37	20°41	1♈42	18°24	25° 3	9° 7	13°29	7° 8	21°10	11°57	9°50	8°31	19°27	22°58	M24
T 25	22 47 9	9°59'59	2♌32	3°37	17°51	25°33	9°19	13°25	7° 7	21°13	11°58	9°51	8°28	19°34	22°55	T 25
W26	22 51 6	10°58'22	14°28	5°32	17°16	26° 3	9°31	13°21	7° 6	21°15	11°59	9°R51	8°25	19°40	22°53	W26
T 27	22 55 2	11°56'46	26°36	7°26	16°41	26°34	9°43	13°18	7° 5	21°17	12° 0	9°50	8°22	19°47	22°50	T 27
F 28	22 58 59	12°55'12	8♋58	9°20	16° 5	27° 5	9°55	13°14	7° 3	21°19	12° 1	9°46	8°19	19°54	22°47	F 28
S 29	23 2 55	13°53'40	21°38	11°13	15°28	27°37	10° 7	13°10	7° 2	21°21	12° 2	9°40	8°15	20° 0	22°44	S 29
S 30	23 6 52	14°52'10	4♋37	13° 6	14°51	28° 8	10°19	13° 7	7° 1	21°23	12° 2	9°31	8°12	20° 7	22°42	S 30
M31	23 10 48	15♈50'41	17♋54	14♈58	14♈14	28♊40	10♌31	13♋ 3	7♏ 0	21♌25	12♍ 3	9♌21	8♌ 9	20♊14	22♋39	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	15n51	14s18	2n45	17n49	2s20	0s58	4s39	26s48	4s 5	19n46	0n31	17s33	1s15	13n33	0s28	15n11
S 2	15 34	9 31	3 39	18 2	2 3	1 15	4 51	26 49	4 4	19 43	0 31	17 34	1 15	13 33	0 28	15 10
M 3	15 16	4 16	4 22	18 14	1 45	1 31	5 3	26 49	4 3	19 39	0 31	17 36	1 15	13 33	0 28	15 10
T 4	14 58	1n16	4 53	18 23	1 28	1 47	5 14	26 50	4 2	19 36	0 31	17 37	1 16	13 33	0 28	15 9
W 5	14 39	6 49	5 8	18 31	1 11	2 1	5 26	26 51	4 1	19 33	0 31	17 39	1 16	13 33	0 28	15 8
T 6	14 21	12 8	5 7	18 36	0 54	2 15	5 38	26 52	3 59	19 30	0 31	17 40	1 16	13 33	0 28	15 8
F 7	14 2	16 55	4 48	18 39	0 38	2 28	5 50	26 53	3 58	19 27	0 31	17 41	1 16	13 33	0 28	15 7
S 8	13 43	20 51	4 12	18 40	0 23	2 40	6 2	26 54	3 57	19 24	0 32	17 43	1 16	13 33	0 28	15 6
S 9	13 24	23 36	3 20	18 37	0 8	2 51	6 13	26 55	3 56	19 21	0 32	17 44	1 16	13 33	0 28	15 5
M10	13 4	24 54	2 16	18 32	0n 7	3 1	6 25	26 56	3 54	19 18	0 32	17 45	1 16	13 32	0 28	15 5
T 11	12 45	24 33	1 3	18 24	0 20	3 10	6 36	26 56	3 53	19 15	0 32	17 47	1 16	13 32	0 28	15 4
W12	12 25	22 35	0s15	18 13	0 32	3 17	6 47	26 57	3 52	19 12	0 32	17 48	1 16	13 32	0 28	15 3
T 13	12 5	19 10	1 31	17 59	0 44	3 24	6 58	26 58	3 50	19 9	0 32	17 49	1 16	13 32	0 28	15 3
F 14	11 45	14 37	2 41	17 42	0 55	3 30	7 9	26 58	3 49	19 6	0 32	17 51	1 16	13 32	0 28	15 2
S 15	11 24	9 19	3 40	17 23	1 4	3 34	7 20	26 59	3 47	19 2	0 32	17 52	1 16	13 32	0 28	15 1
S 16	11 4	3 39	4 25	17 0	1 13	3 37	7 30	26 59	3 46	18 59	0 32	17 53	1 16	13 31	0 28	15 1
M17	10 43	2s 3	4 54	16 35	1 21	3 39	7 39	26 59	3 45	18 56	0 33	17 55	1 16	13 31	0 28	15 0
T 18	10 22	7 32	5 6	16 7	1 27	3 39	7 49	27 0	3 43	18 53	0 33	17 56	1 16	13 31	0 28	14 59
W19	10 1	12 31	5 2	15 37	1 33	3 38	7 57	27 0	3 42	18 50	0 33	17 57	1 16	13 31	0 28	14 59
T 20	9 39	16 51	4 43	15 4	1 38	3 36	8 5	27 0	3 40	18 47	0 33	17 58	1 16	13 31	0 28	14 58
F 21	9 18	20 22	4 11	14 29	1 41	3 33	8 13	27 0	3 39	18 44	0 33	17 59	1 16	13 30	0 28	14 57
S 22	8 56	22 56	3 29	13 53	1 44	3 28	8 20	27 0	3 37	18 40	0 33	18 1	1 16	13 30	0 28	14 57
S 23	8 34	24 27	2 38	13 15	1 46	3 22	8 26	27 0	3 36	18 37	0 33	18 2	1 16	13 30	0 28	14 56
M24	8 13	24 52	1 41	12 35	1 48	3 14	8 31	26 59	3 34	18 34	0 33	18 3	1 16	13 29	0 28	14 55
T 25	7 51	24 9	0 39	11 54	1 48	3 5	8 35	26 59	3 33	18 31	0 34	18 4	1 16	13 29	0 28	14 54
W26	7 28	22 19	0n25	11 11	1 48	2 55	8 39	26 59	3 31	18 28	0 34	18 5	1 16	13 29	0 28	14 54
T 27	7 6	19 27	1 28	10 28	1 47	2 44	8 42	26 58	3 30	18 25	0 34	18 6	1 16	13 28	0 28	14 53
F 28	6 44	15 41	2 29	9 43	1 46	2 32	8 43	26 57	3 28	18 22	0 34	18 7	1 16	13 28	0 28	14 52
S 29	6 21	11 8	3 23	8 59	1 44	2 19	8 44	26 56	3 27	18 19	0 34	18 8	1 16	13 27	0 28	14 52
S 30	5 59	5 59	4 9	8 13	1 41	2 5	8 44	26 55	3 25	18 15	0 34	18 9	1 16	13 27	0 28	14 51
M31	5n36	0s28	4n42	7n27	1n38	1s50	8s43	26s54	3s24	18n12	0n34	18s10	1s16	13n27	0s28	14n51

Julian Day Number = 2244673.5, Delta T = 06m58s

Ecliptic obliquity = 23°30'48", Nutation = 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°50'18", Lahiri = 15°57'19" Julian Calendar 1 Aug. 1433 == Greg. Calendar 10 Aug. 1433

ASTRODIENST EPHEMERIS for the year 1433
geocentric

SEPTEMBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	23 14 45	16 ¹⁷ 49'15	1 ¹⁷ 29	16 ¹⁷ 49	13°R37	29 ²⁷ 13	10 ¹⁰ 43	13°R 0	6°R58	21 ¹⁰ 27	12 ¹² 4	9°R10	8 ⁸ 6	20 ²⁰ 20	22°R36	T 1
W 2	23 18 41	17°47'50	15°17	18°39	13 ¹³ 1	29°45	10°55	12 ¹² 57	6 ⁶ 57	21°29	12° 5	8 ⁸ 59	8° 3	20°27	22 ²² 33	W 2
T 3	23 22 38	18°46'28	29°16	20°28	12°25	0 ⁰ 18	11° 7	12°54	6°56	21°31	12° 5	8°50	8° 0	20°34	22°30	T 3
F 4	23 26 34	19°45'08	13 ¹³ 21	22°16	11°50	0°52	11°18	12°50	6°54	21°33	12° 6	8°43	7°56	20°40	22°28	F 4
S 5	23 30 31	20°43'50	27°29	24° 3	11°16	1°25	11°30	12°47	6°53	21°35	12° 7	8°39	7°53	20°47	22°25	S 5
S 6	23 34 28	21°42'34	11 ¹¹ 37	25°50	10°44	1°59	11°42	12°44	6°51	21°37	12° 8	8°37	7°50	20°54	22°22	S 6
M 7	23 38 24	22°41'21	25°44	27°35	10°13	2°33	11°53	12°41	6°50	21°39	12° 8	8°D36	7°47	21° 0	22°19	M 7
T 8	23 42 21	23°40'10	9 ⁹ 349	29°19	9°44	3° 7	12° 4	12°39	6°48	21°41	12° 9	8°R37	7°44	21° 7	22°16	T 8
W 9	23 46 17	24°39'02	23°51	1 ¹ 3	9°17	3°42	12°16	12°36	6°47	21°43	12°10	8°36	7°41	21°13	22°14	W 9
T 10	23 50 14	25°37'56	7 ⁷ 49	2°45	8°51	4°17	12°27	12°33	6°45	21°45	12°10	8°33	7°37	21°20	22°11	T 10
F 11	23 54 10	26°36'51	21°41	4°27	8°28	4°52	12°38	12°30	6°43	21°47	12°11	8°28	7°34	21°27	22° 8	F 11
S 12	23 58 7	27°35'50	5 ⁵ 26	6° 7	8° 7	5°27	12°49	12°28	6°41	21°49	12°11	8°19	7°31	21°33	22° 5	S 12
S 13	0 2 3	28°34'50	18°59	7°47	7°49	6° 3	13° 0	12°25	6°40	21°51	12°12	8° 8	7°28	21°40	22° 2	S 13
M14	0 6 0	29°33'52	2 ² 19	9°26	7°32	6°39	13°11	12°23	6°38	21°53	12°12	7°56	7°25	21°47	22° 0	M14
T 15	0 9 57	0 ⁰ 32'56	15°22	11° 4	7°18	7°15	13°22	12°21	6°36	21°55	12°13	7°43	7°21	21°53	21°57	T 15
W16	0 13 53	1°32'03	28° 9	12°41	7° 7	7°51	13°33	12°19	6°34	21°56	12°13	7°30	7°18	22° 0	21°54	W16
T 17	0 17 50	2°31'11	10 ¹⁰ 38	14°17	6°57	8°28	13°44	12°17	6°32	21°58	12°14	7°20	7°15	22° 7	21°51	T 17
F 18	0 21 46	3°30'21	22°51	15°53	6°51	9° 4	13°54	12°15	6°30	22° 0	12°14	7°12	7°12	22°13	21°49	F 18
S 19	0 25 43	4°29'34	4 ⁴ 27	17°27	6°46	9°41	14° 5	12°13	6°28	22° 2	12°15	7° 7	7° 9	22°20	21°46	S 19
S 20	0 29 39	5°28'48	16°44	19° 1	6°D45	10°19	14°15	12°11	6°26	22° 3	12°15	7° 4	7° 6	22°27	21°43	S 20
M21	0 33 36	6°28'04	28°32	20°34	6°45	10°56	14°26	12° 9	6°24	22° 5	12°15	7° 3	7° 2	22°33	21°41	M21
T 22	0 37 32	7°27'21	10 ¹⁰ 321	22° 7	6°48	11°34	14°36	12° 8	6°22	22° 7	12°16	7° 3	6°59	22°40	21°38	T 22
W23	0 41 29	8°26'41	22°17	23°38	6°53	12°11	14°46	12° 6	6°20	22° 8	12°16	7° 3	6°56	22°47	21°35	W23
T 24	0 45 26	9°26'02	4 ⁴ 25	25° 9	7° 0	12°49	14°56	12° 5	6°18	22°10	12°16	7° 1	6°53	22°53	21°33	T 24
F 25	0 49 22	10°25'25	16°51	26°39	7°10	13°27	15° 6	12° 3	6°16	22°12	12°16	6°57	6°50	23° 0	21°30	F 25
S 26	0 53 19	11°24'50	29°38	28° 9	7°22	14° 6	15°16	12° 2	6°14	22°13	12°17	6°50	6°46	23° 6	21°27	S 26
S 27	0 57 15	12°24'16	12 ¹² 48	29°38	7°36	14°44	15°26	12° 1	6°12	22°15	12°17	6°41	6°43	23°13	21°25	S 27
M28	1 1 12	13°23'45	26°23	1 ¹ 5	7°52	15°23	15°36	12° 0	6° 9	22°17	12°17	6°30	6°40	23°20	21°22	M28
T 29	1 5 8	14°23'16	10 ¹⁰ 39	2°33	8°10	16° 1	15°45	11°59	6° 7	22°18	12°17	6°17	6°37	23°26	21°20	T 29
W30	1 9 5	15 ¹⁵ 22'48	24°39	3 ³ 59	8 ⁸ 30	16 ¹⁶ 340	15 ¹⁵ 55	11 ¹¹ 58	6 ⁶ 8	22 ²² 20	12 ¹² 17	6 ⁶ 3	6 ⁶ 34	23 ²³ 33	21 ²¹ 17	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	5n13	5n10	5n 0	6n40	1n35	1s34	8s41	26s53	3s22	18n 9	0n34	18s11	1s16	13n26	0s28	14n50	0n28	22n24	0s34	23s12	23s16	24s44	0n44	4n 0			
W 2	4 50	10 39	5 1	5 54	1 31	1 17	8 38	26 52	3 21	18 6	0 35	18 12	1 16	13 26	0 28	14 49	0 28	22 24	0 34	23 12	23 16	24 43	0 43	4 0			
T 3	4 27	15 40	4 44	5 7	1 26	1 0	8 35	26 50	3 19	18 3	0 35	18 13	1 16	13 25	0 28	14 49	0 28	22 24	0 34	23 13	23 16	24 43	0 41	4 0			
F 4	4 4	19 51	4 9	4 20	1 22	0 43	8 30	26 48	3 18	18 0	0 35	18 14	1 16	13 25	0 28	14 48	0 28	22 24	0 34	23 14	23 16	24 43	0 40	4 0			
S 5	3 41	22 54	3 20	3 32	1 17	0 25	8 24	26 46	3 16	17 57	0 35	18 15	1 16	13 24	0 28	14 47	0 28	22 24	0 34	23 14	23 17	24 42	0 39	4 0			
S 6	3 18	24 32	2 18	2 45	1 11	0 7	8 18	26 44	3 15	17 54	0 35	18 16	1 16	13 24	0 28	14 47	0 28	22 24	0 34	23 14	23 17	24 42	0 38	4 0			
M 7	2 55	24 34	1 8	1 58	1 6	0n11	8 11	26 42	3 13	17 51	0 35	18 16	1 16	13 23	0 28	14 46	0 28	22 24	0 34	23 14	23 17	24 42	0 37	4 0			
T 8	2 31	23 3	0s 6	1 12	1 0	0 29	8 3	26 40	3 11	17 48	0 35	18 17	1 16	13 23	0 28	14 45	0 28	22 24	0 34	23 14	23 17	24 41	0 36	4 0			
W 9	2 8	20 5	1 20	0 25	0 54	0 47	7 54	26 37	3 10	17 45	0 36	18 18	1 16	13 22	0 28	14 45	0 28	22 24	0 34	23 14	23 17	24 41	0 34	3 59			
T 10	1 44	15 59	2 28	0s22	0 48	1 5	7 45	26 35	3 8	17 42	0 36	18 19	1 16	13 22	0 28	14 44	0 28	22 24	0 34	23 14	23 18	24 40	0 33	3 59			
F 11	1 21	11 3	3 27	1 8	0 42	1 22	7 36	26 32	3 7	17 38	0 36	18 20	1 16	13 21	0 29	14 44	0 28	22 24	0 34	23 15	23 18	24 40	0 32	3 59			
S 12	0 58	5 37	4 13	1 54	0 35	1 40	7 25	26 29	3 5	17 35	0 36	18 20	1 16	13 21	0 29	14 43	0 28	22 24	0 34	23 15	23 18	24 40	0 31	3 59			
S 13	0 34	0 1	4 44	2 39	0 29	1 56	7 15	26 26	3 4	17 32	0 36	18 21	1 16	13 20	0 29	14 42	0 28	22 24	0 34	23 16	23 18	24 39	0 30	3 59			
M14	0 10	5s29	4 59	3 25	0 22	2 13	7 4	26 22	3 2	17 29	0 36	18 22	1 16	13 19	0 29	14 42	0 28	22 24	0 34	23 17	23 18	24 39	0 28	3 59			
T 15	0s13	10 39	4 58	4 9	0 15	2 28	6 52	26 19	3 0	17 27	0 37	18 22	1 16	13 19	0 29	14 41	0 28	22 24	0 34	23 17	23 18	24 38	0 27	3 59			
W16	0 37	15 13	4 42	4 54	0 8	2 43	6 41	26 15	2 59	17 24	0 37	18 23	1 16	13 18	0 29	14 41	0 28	22 24	0 33	23 18	23 19	24 38	0 26	3 59			
T 17	1 0	19 2	4 12	5 38	0 1	2 58	6 29	26 11	2 57	17 21	0 37	18 23	1 16	13 17	0 29	14 40	0 28	22 24	0 33	23 19	23 19	24 37	0 25	3 59			
F 18	1 24	21 57	3 31	6 21	0s 6	3 12	6 16	26 7	2 56	17 18	0 37	18 24	1 16	13 17	0 29	14 40	0 28	22 24	0 33	23 19	23 19	24 37	0 24	3 59			
S 19	1 47	23 49	2 42	7 4	0 13	3 25	6 4	26 3	2 54	17 15	0 37	18 24	1 16	13 16	0 29	14 39	0 28	22 24	0 33	23 19	23 19	24 36	0 23	3 58			
S 20	2 11	24 36	1 45	7 46	0 20	3 37	5 52	25 59	2 52	17 12	0 37	18 25	1 16	13 16	0 29	14 38	0 28	22 24	0 33	23 19	23 19	24 36	0 21	3 58			
M21	2 35	24 15	0 45	8 28	0 27	3 48	5 39	25 54	2 51	17 9	0 38	18 25	1 16	13 15	0 29	14 38	0 28	22 24	0 33	23 19	23 20	24 35	0 20	3 58			
T 22	2 58	22 49	0n17	9 10	0 34	3 59	5 27	25 49	2 49	17 6	0 38	18 26	1 16	13 14	0 29	14 37	0 28	22 24	0 33	23 20	23 20	24 35	0 19	3 58			
W23	3 22	20 21	1 20	9 50	0 41	4 9	5 14	25 44	2 48	17 3	0 38	18 26	1 16	13 13	0 29	14 37	0 28	22 24	0 33	23 20	23 20	24 35	0 18	3 58			
T 24	3 45	16 57	2 20	10 30	0 48	4 18	5 2	25 39	2 46	17 1	0 38	18 26	1 16	13 13	0 29	14 36	0 28	22 24	0 33	23 20	23 20	24 34	0 17	3 58			
F 25	4 8	12 45	3 14	11 10	0 55	4 26	4 49	25 33	2 44	16 58	0 38	18 27	1 16	13 12	0 29	14 36	0 28	22 24	0 33	23 20	23 20	24 34	0 16	3 58			
S 26	4 32	7 53	4 0	11 49	1 2	4 33	4 37	25 28	2 43	16 55	0 38	18 27	1 16	13 11	0 29	14 35	0 28	22 24	0 33	23 20	23 20	24 33	0 14	3 58			
S 27	4 55	2 32	4 35	12 27	1 9	4 40	4 24	25 22	2 41	16 52	0 39	18 27	1 16	13 11	0 29	14 35	0 28	22 24	0 33	23 21	23 21	24 33	0 13	3 57			
M28	5 18	3n 5	4 56	13 4	1 15	4 45	4 12	25 16	2 40	16 50	0 39	18 28	1 16	13 10	0 29	14 34	0 28	22 24	0 33	23 21	23 21	24 32	0 12	3 57			
T 29	5 41	8 41	5 0	13 41	1 22	4 50	4 0	25 10	2 38	16 47	0 39	18 28	1 16	13 9	0 29	14 34	0 28	22 24	0 33	23 22	23 21	24 31	0 11	3 57			
W30	6s 4	13n58	4n45	14s17	1s29	4n53	3s48	25s 3	2s36	16n44	0n39	18s28	1s16	13n 8	0s29	14n33	0n28	22n24	0s33	23s22	23s21	24s31	0n10	3n57			

ASTRODIENST EPHEMERIS for the year 1433

geocentric

OCTOBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 1	16 [♏] 22'23	8 [♏] 59	5 [♏] 24	8 [♏] 51	17 [♏] 19	16 [♏] 4	11°R57	6°R 3	22 [♏] 21	12 [♏] 17	5°R55	6 [♏] 31	23 [♏] 40	21°R15	T 1
F 2	1 16 58	17°22'00	23°30	6°49	9°15	17°59	16°13	11 [♏] 57	6 [♏] 0	22°22	12°17	5 [♏] 47	6°27	23°46	21 [♏] 12	F 2
S 3	1 20 55	18°21'39	8 [♏] 0	8°13	9°40	18°38	16°22	11°56	5°58	22°24	12°17	5°42	6°24	23°53	21°10	S 3
S 4	1 24 51	19°21'21	22°24	9°36	10° 8	19°17	16°31	11°56	5°56	22°25	12°17	5°40	6°21	24° 0	21° 7	S 4
M 5	1 28 48	20°21'04	6 [♏] 39	10°58	10°36	19°57	16°40	11°55	5°53	22°27	12°R17	5°D39	6°18	24° 6	21° 5	M 5
T 6	1 32 44	21°20'51	20°44	12°19	11° 7	20°37	16°49	11°55	5°51	22°28	12°17	5°R39	6°15	24°13	21° 3	T 6
W 7	1 36 41	22°20'39	4 [♏] 37	13°39	11°39	21°17	16°58	11°55	5°48	22°29	12°17	5°39	6°12	24°20	21° 0	W 7
T 8	1 40 37	23°20'30	18°19	14°58	12°12	21°57	17° 6	11°D55	5°46	22°31	12°17	5°37	6° 8	24°26	20°58	T 8
F 9	1 44 34	24°20'22	1 [♏] 51	16°16	12°47	22°37	17°15	11°55	5°44	22°32	12°17	5°32	6° 5	24°33	20°56	F 9
S 10	1 48 30	25°20'17	15°11	17°33	13°23	23°17	17°23	11°55	5°41	22°33	12°17	5°24	6° 2	24°40	20°54	S 10
S 11	1 52 27	26°20'15	28°20	18°48	14° 0	23°58	17°31	11°56	5°39	22°34	12°17	5°14	5°59	24°46	20°52	S 11
M12	1 56 24	27°20'14	11 [♏] 18	20° 1	14°39	24°38	17°39	11°56	5°36	22°36	12°17	5° 2	5°56	24°53	20°50	M12
T 13	2 0 20	28°20'15	24° 3	21°13	15°19	25°19	17°47	11°56	5°34	22°37	12°17	4°49	5°52	25° 0	20°47	T 13
W14	2 4 17	29°20'18	6 [♏] 34	22°23	16° 0	26° 0	17°55	11°57	5°31	22°38	12°16	4°38	5°49	25° 6	20°45	W14
T 15	2 8 13	0 [♏] 20'23	18°53	23°31	16°42	26°40	18° 3	11°58	5°29	22°39	12°16	4°28	5°46	25°13	20°43	T 15
F 16	2 12 10	1°20'30	0 [♏] 59	24°37	17°26	27°21	18°10	11°59	5°26	22°40	12°16	4°20	5°43	25°19	20°41	F 16
S 17	2 16 6	2°20'39	12°56	25°40	18°10	28° 2	18°17	11°59	5°24	22°41	12°15	4°15	5°40	25°26	20°40	S 17
S 18	2 20 3	3°20'50	24°45	26°40	18°55	28°44	18°25	12° 0	5°21	22°42	12°15	4°12	5°37	25°33	20°38	S 18
M19	2 23 59	4°21'02	6 [♏] 31	27°37	19°42	29°25	18°32	12° 2	5°19	22°43	12°15	4°D12	5°33	25°39	20°36	M19
T 20	2 27 56	5°21'15	18°19	28°31	20°29	0 [♏] 6	18°39	12° 3	5°17	22°44	12°14	4°12	5°30	25°46	20°34	T 20
W21	2 31 53	6°21'31	0 [♏] 13	29°20	21°17	0°48	18°46	12° 4	5°14	22°45	12°14	4°13	5°27	25°53	20°32	W21
T 22	2 35 49	7°21'47	12°19	0 [♏] 5	22° 6	1°29	18°52	12° 6	5°12	22°46	12°14	4°R13	5°24	25°59	20°31	T 22
F 23	2 39 46	8°22'05	24°42	0°45	22°56	2°11	18°59	12° 7	5° 9	22°47	12°13	4°12	5°21	26° 6	20°29	F 23
S 24	2 43 42	9°22'25	7 [♏] 28	1°20	23°47	2°53	19° 5	12° 9	5° 7	22°47	12°13	4° 8	5°17	26°13	20°27	S 24
S 25	2 47 39	10°22'46	20°40	1°48	24°38	3°35	19°11	12°10	5° 4	22°48	12°12	4° 2	5°14	26°19	20°26	S 25
M26	2 51 35	11°23'08	4 [♏] 19	2° 9	25°30	4°16	19°17	12°12	5° 2	22°49	12°12	3°55	5°11	26°26	20°24	M26
T 27	2 55 32	12°23'32	18°25	2°23	26°23	4°58	19°23	12°14	4°59	22°50	12°11	3°46	5° 8	26°33	20°23	T 27
W28	2 59 28	13°23'58	2 [♏] 54	2°R29	27°17	5°40	19°29	12°16	4°57	22°50	12°11	3°38	5° 5	26°39	20°21	W28
T 29	3 3 25	14°24'25	17°40	2°25	28°11	6°23	19°35	12°18	4°54	22°51	12°10	3°30	5° 2	26°46	20°20	T 29
F 30	3 7 21	15°24'54	2 [♏] 36	2°12	29° 6	7° 5	19°40	12°20	4°52	22°52	12°10	3°25	4°58	26°52	20°19	F 30
S 31	3 11 18	16 [♏] 25'24	17 [♏] 32	1 [♏] 48	0 [♏] 2	7 [♏] 47	19 [♏] 45	12 [♏] 23	4 [♏] 49	22 [♏] 52	12 [♏] 9	3 [♏] 22	4 [♏] 55	26 [♏] 59	20 [♏] 17	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	6s27	18n31	4n13	14s52	1s35	4n56	3s36	24s57	2s35	16n42	0n39	18s28	1s16	13n 8	0s29	14n33
F 2	6 50	21 59	3 23	15 26	1 42	4 58	3 24	24 50	2 33	16 39	0 39	18 28	1 16	13 7	0 29	14 33
S 3	7 13	24 2	2 21	15 59	1 48	5 0	3 12	24 43	2 32	16 36	0 40	18 28	1 16	13 6	0 29	14 32
S 4	7 36	24 27	1 10	16 32	1 54	5 0	3 1	24 36	2 30	16 34	0 40	18 29	1 16	13 5	0 29	14 32
M 5	7 59	23 15	0s 5	17 4	2 0	5 0	2 50	24 28	2 29	16 31	0 40	18 29	1 15	13 5	0 29	14 31
T 6	8 21	20 36	1 19	17 34	2 5	4 58	2 39	24 21	2 27	16 29	0 40	18 29	1 15	13 4	0 29	14 31
W 7	8 43	16 47	2 27	18 4	2 11	4 56	2 28	24 13	2 25	16 26	0 40	18 29	1 15	13 3	0 29	14 30
T 8	9 6	12 7	3 26	18 33	2 16	4 53	2 17	24 5	2 24	16 24	0 41	18 29	1 15	13 2	0 29	14 30
F 9	9 28	6 55	4 12	19 0	2 21	4 50	2 7	23 57	2 22	16 22	0 41	18 28	1 15	13 1	0 29	14 30
S 10	9 50	1 29	4 44	19 27	2 26	4 46	1 57	23 48	2 21	16 19	0 41	18 28	1 15	13 1	0 29	14 29
S 11	10 12	3s55	5 0	19 52	2 30	4 40	1 46	23 40	2 19	16 17	0 41	18 28	1 15	13 0	0 29	14 29
M12	10 33	9 5	5 0	20 16	2 34	4 35	1 37	23 31	2 17	16 15	0 41	18 28	1 15	12 59	0 29	14 28
T 13	10 55	13 46	4 46	20 39	2 38	4 28	1 27	23 22	2 16	16 13	0 42	18 28	1 15	12 58	0 29	14 28
W14	11 16	17 48	4 17	21 1	2 41	4 21	1 17	23 13	2 14	16 10	0 42	18 28	1 15	12 57	0 29	14 28
T 15	11 38	20 58	3 37	21 21	2 44	4 13	1 8	23 3	2 13	16 8	0 42	18 27	1 15	12 56	0 29	14 27
F 16	11 59	23 9	2 48	21 40	2 46	4 4	0 59	22 54	2 11	16 6	0 42	18 27	1 15	12 56	0 29	14 27
S 17	12 19	24 16	1 51	21 57	2 48	3 55	0 50	22 44	2 10	16 4	0 42	18 27	1 15	12 55	0 29	14 27
S 18	12 40	24 15	0 50	22 13	2 49	3 45	0 42	22 34	2 8	16 2	0 43	18 26	1 15	12 54	0 29	14 27
M19	13 1	23 9	0n12	22 26	2 50	3 35	0 33	22 24	2 7	16 0	0 43	18 26	1 15	12 53	0 29	14 26
T 20	13 21	21 1	1 15	22 39	2 50	3 24	0 25	22 13	2 5	15 58	0 43	18 26	1 15	12 52	0 29	14 26
W21	13 41	17 58	2 15	22 49	2 49	3 12	0 17	22 3	2 3	15 56	0 43	18 25	1 15	12 52	0 29	14 26
T 22	14 1	14 7	3 10	22 57	2 47	3 0	0 9	21 52	2 2	15 54	0 43	18 25	1 15	12 51	0 29	14 25
F 23	14 20	9 36	3 57	23 3	2 44	2 47	0 1	21 41	2 0	15 52	0 44	18 24	1 15	12 50	0 29	14 25
S 24	14 40	4 33	4 35	23 7	2 41	2 34	0n 6	21 30	1 59	15 50	0 44	18 24	1 14	12 49	0 28	14 25
S 25	14 59	0n52	4 59	23 8	2 36	2 20	0 13	21 19	1 57	15 49	0 44	18 23	1 14	12 48	0 28	14 25
M26	15 18	6 25	5 7	23 6	2 30	2 6	0 20	21 7	1 56	15 47	0 44	18 23	1 14	12 47	0 28	14 24
T 27	15 36	11 49	4 57	23 2	2 23	1 51	0 27	20 56	1 54	15 45	0 45	18 22	1 14	12 47	0 28	14 24
W28	15 55	16 43	4 28	22 54	2 14	1 36	0 34	20 44	1 53	15 44	0 45	18 22	1 14	12 46	0 28	14 24
T 29	16 13	20 41	3 41	22 44	2 4	1 20	0 40	20 32	1 51	15 42	0 45	18 21	1 14	12 45	0 28	14 24
F 30	16 30	23 20	2 38	22 30	1 52	1 4	0 46	20 20	1 50	15 41	0 45	18 20	1 14	12 44	0 28	14 24
S 31	16s48	24n20	1n25	22s12	1s39	0n48	0n53	20s 7	1s48	15n39	0n45	18s19	1s14	12n43	0s28	14n24

Julian Day Number = 2244734.5, Delta T = 06m58s

Ecliptic obliquity = 23°30'48", Nutation = 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°50'27", Lahiri = 15°57'27" Julian Calendar 1 Oct. 1433 == Greg. Calendar 10 Oct. 1433

ASTRODIENST EPHEMERIS for the year 1433
geocentric

NOVEMBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 15 15	17 ¹¹ 25'57	2 ²⁰ 20	1 ¹⁹ R15	0 ⁰⁵ 58	8 ²⁹ 29	19 ⁵⁰ 50	12 ²⁵ 25	4 ⁴⁷ R47	22 ⁵³ 53	12 ⁸ R 8	3 ⁰ D21	4 ⁵² 52	27 ⁶ 6	20 ¹⁶ 16	S 1
M 2	3 19 11	18 ²⁶ 31	16 ⁵⁴ 54	0 ²⁷ 31	1 ⁵⁵ 55	9 ¹² 12	19 ⁵⁵ 55	12 ²⁸ 28	4 ⁴⁵ 45	22 ⁵³ 53	12 ⁸ 8	3 ²¹ 21	4 ⁴⁹ 49	27 ¹² 12	20 ¹⁵ 15	M 2
T 3	3 23 8	19 ²⁷ 07	1 ¹¹ 11	29 ¹³ 36	2 ⁵² 52	9 ⁵⁴ 54	20 ⁰ 0	12 ³⁰ 30	4 ⁴² 42	22 ⁵⁴ 54	12 ⁷ 7	3 ²² 22	4 ⁴⁶ 46	27 ¹⁹ 19	20 ¹⁴ 14	T 3
W 4	3 27 4	20 ²⁷ 44	15 ¹⁰ 10	28 ³³ 33	3 ⁵⁰ 50	10 ³⁶ 36	20 ⁵ 5	12 ³³ 33	4 ⁴⁰ 40	22 ⁵⁴ 54	12 ⁶ 6	3 ²³ 23	4 ⁴³ 43	27 ²⁶ 26	20 ¹³ 13	W 4
T 5	3 31 1	21 ²⁸ 24	28 ⁴⁹ 49	27 ²² 22	4 ⁴⁸ 48	11 ¹⁹ 19	20 ⁹ 9	12 ³⁶ 36	4 ³⁸ 38	22 ⁵⁵ 55	12 ⁵ 5	3 ²³ 23	4 ³⁹ 39	27 ³² 32	20 ¹² 12	T 5
F 6	3 34 57	22 ²⁹ 05	12 ¹⁰ 10	26 ⁴ 4	5 ⁴⁷ 47	12 ² 2	20 ¹³ 13	12 ³⁹ 39	4 ³⁵ 35	22 ⁵⁵ 55	12 ⁵ 5	3 ²¹ 21	4 ³⁶ 36	27 ³⁹ 39	20 ¹¹ 11	F 6
S 7	3 38 54	23 ²⁹ 47	25 ¹⁶ 16	24 ⁴³ 43	6 ⁴⁷ 47	12 ⁴⁴ 44	20 ¹⁸ 18	12 ⁴² 42	4 ³³ 33	22 ⁵⁵ 55	12 ⁴ 4	3 ¹⁸ 18	4 ³³ 33	27 ⁴⁶ 46	20 ¹⁰ 10	S 7
S 8	3 42 51	24 ³⁰ 32	8 ⁶ 6	23 ²¹ 21	7 ⁴⁷ 47	13 ²⁷ 27	20 ²¹ 21	12 ⁴⁵ 45	4 ³¹ 31	22 ⁵⁶ 56	12 ³ 3	3 ¹² 12	4 ³⁰ 30	27 ⁵² 52	20 ⁹ 9	S 8
M 9	3 46 47	25 ³¹ 18	20 ⁴⁴ 44	22 ¹ 1	8 ⁴⁷ 47	14 ¹⁰ 10	20 ²⁵ 25	12 ⁴⁸ 48	4 ²⁸ 28	22 ⁵⁶ 56	12 ² 2	3 ⁶ 6	4 ²⁷ 27	27 ⁵⁹ 59	20 ⁸ 8	M 9
T 10	3 50 44	26 ³² 05	3 ¹⁰ 10	20 ⁴⁵ 45	9 ⁴⁸ 48	14 ⁵² 52	20 ²⁹ 29	12 ⁵¹ 51	4 ²⁶ 26	22 ⁵⁶ 56	12 ² 2	2 ⁵⁹ 59	4 ²³ 23	28 ⁶ 6	20 ⁸ 8	T 10
W11	3 54 40	27 ³² 54	15 ²⁵ 25	19 ³⁶ 36	10 ⁴⁹ 49	15 ³⁵ 35	20 ³² 32	12 ⁵⁵ 55	4 ²⁴ 24	22 ⁵⁶ 56	12 ¹ 1	2 ⁵² 52	4 ²⁰ 20	28 ¹² 12	20 ⁷ 7	W11
T 12	3 58 37	28 ³³ 44	27 ³¹ 31	18 ³⁵ 35	11 ⁵¹ 51	16 ¹⁸ 18	20 ³⁵ 35	12 ⁵⁸ 58	4 ²² 22	22 ⁵⁶ 56	12 ⁰ 0	2 ⁴⁶ 46	4 ¹⁷ 17	28 ¹⁹ 19	20 ⁶ 6	T 12
F 13	4 2 33	29 ³⁴ 35	9 ²⁷ 27	17 ⁴⁵ 45	12 ⁵³ 53	17 ¹ 1	20 ³⁸ 38	13 ² 2	4 ¹⁹ 19	22 ⁵⁷ 57	11 ⁵⁹ 59	2 ⁴² 42	4 ¹⁴ 14	28 ²⁶ 26	20 ⁶ 6	F 13
S 14	4 6 30	0 ²⁷ 35'28	21 ²⁰ 20	17 ⁶ 6	13 ⁵⁵ 55	17 ⁴⁴ 44	20 ⁴¹ 41	13 ⁵ 5	4 ¹⁷ 17	22 ⁵⁷ 57	11 ⁵⁸ 58	2 ⁴⁰ 40	4 ¹¹ 11	28 ³² 32	20 ⁵ 5	S 14
S 15	4 10 26	1 ³⁶ 22	3 ⁸ 8	16 ³⁸ 38	14 ⁵⁸ 58	18 ²⁷ 27	20 ⁴⁴ 44	13 ⁹ 9	4 ¹⁵ 15	22 ⁵⁷ 57	11 ⁵⁷ 57	2 ⁰ D39	4 ⁸ 8	28 ³⁹ 39	20 ⁵ 5	S 15
M16	4 14 23	2 ³⁷ 16	14 ⁵³ 53	16 ²² 22	16 ¹ 1	19 ¹⁰ 10	20 ⁴⁶ 46	13 ¹³ 13	4 ¹³ 13	22 ⁵⁷ 57	11 ⁵⁶ 56	2 ⁴⁰ 40	4 ⁴ 4	28 ⁴⁵ 45	20 ⁴ 4	M16
T 17	4 18 20	3 ³⁸ 12	26 ⁴¹ 41	16 ⁰ D17	17 ⁴ 4	19 ⁵³ 53	20 ⁴⁸ 48	13 ¹⁷ 17	4 ¹¹ 11	22 ⁵⁷ 57	11 ⁵⁵ 55	2 ⁴¹ 41	4 ¹ 1	28 ⁵² 52	20 ⁴ 4	T 17
W18	4 22 16	4 ³⁹ 08	8 ³⁵ 35	16 ²² 22	18 ⁸ 8	20 ³⁶ 36	20 ⁵⁰ 50	13 ²¹ 21	4 ⁹ 9	22 ⁵⁷ 57	11 ⁵⁴ 54	2 ⁴³ 43	3 ⁵⁸ 58	28 ⁵⁹ 59	20 ⁴ 4	W18
T 19	4 26 13	5 ⁴⁰ 06	20 ⁴⁰ 40	16 ³⁸ 38	19 ¹² 12	21 ¹⁹ 19	20 ⁵² 52	13 ²⁵ 25	4 ⁷ 7	22 ⁵⁷ 57	11 ⁵³ 53	2 ⁴⁵ 45	3 ⁵⁵ 55	29 ⁵ 5	20 ⁴ 4	T 19
F 20	4 30 9	6 ⁴¹ 03	3 ⁰ 0	17 ² 2	20 ¹⁷ 17	22 ² 2	20 ⁵⁴ 54	13 ²⁹ 29	4 ⁵ 5	22 ⁵⁷ 57	11 ⁵² 52	2 ⁰ R46	3 ⁵² 52	29 ¹² 12	20 ³ 3	F 20
S 21	4 34 6	7 ⁴² 02	15 ⁴⁰ 40	17 ³⁴ 34	21 ²¹ 21	22 ⁴⁶ 46	20 ⁵⁶ 56	13 ³³ 33	4 ³ 3	22 ⁵⁶ 56	11 ⁵¹ 51	2 ⁴⁵ 45	3 ⁴⁹ 49	29 ¹⁹ 19	20 ³ 3	S 21
S 22	4 38 2	8 ⁴³ 01	28 ⁴⁵ 45	18 ¹³ 13	22 ²⁶ 26	23 ²⁹ 29	20 ⁵⁷ 57	13 ³⁷ 37	4 ¹ 1	22 ⁵⁶ 56	11 ⁵⁰ 50	2 ⁴⁴ 44	3 ⁴⁵ 45	29 ²⁵ 25	20 ⁰ D 3	S 22
M23	4 41 59	9 ⁴⁴ 01	12 ⁰ 17	18 ⁵⁹ 59	23 ³² 32	24 ¹² 12	20 ⁵⁸ 58	13 ⁴² 42	3 ⁵⁹ 59	22 ⁵⁶ 56	11 ⁴⁹ 49	2 ⁴² 42	3 ⁴² 42	29 ³² 32	20 ³ 3	M23
T 24	4 45 55	10 ⁴⁵ 01	26 ¹⁸ 18	19 ⁵⁰ 50	24 ³⁷ 37	24 ⁵⁵ 55	20 ⁵⁹ 59	13 ⁴⁶ 46	3 ⁵⁷ 57	22 ⁵⁶ 56	11 ⁴⁸ 48	2 ³⁹ 39	3 ³⁹ 39	29 ³⁹ 39	20 ³ 3	T 24
W25	4 49 52	11 ⁴⁶ 03	10 ⁰ 45	20 ⁴⁷ 47	25 ⁴³ 43	25 ³⁹ 39	21 ⁰ 0	13 ⁵¹ 51	3 ⁵⁵ 55	22 ⁵⁵ 55	11 ⁴⁷ 47	2 ³⁶ 36	3 ³⁶ 36	29 ⁴⁵ 45	20 ³ 3	W25
T 26	4 53 49	12 ⁴⁷ 04	25 ³⁶ 36	21 ⁴⁷ 47	26 ⁴⁹ 49	26 ²² 22	21 ⁰ 0	13 ⁵⁵ 55	3 ⁵⁴ 54	22 ⁵⁵ 55	11 ⁴⁶ 46	2 ³³ 33	3 ³³ 33	29 ⁵² 52	20 ⁴ 4	T 26
F 27	4 57 45	13 ⁴⁸ 07	10 ⁰ 42	22 ⁵² 52	27 ⁵⁶ 56	27 ⁵ 5	21 ⁰ 0	14 ⁰ 0	3 ⁵² 52	22 ⁵⁵ 55	11 ⁴⁵ 45	2 ³¹ 31	3 ²⁹ 29	29 ⁵⁹ 59	20 ⁴ 4	F 27
S 28	5 1 42	14 ⁴⁹ 10	25 ⁵⁵ 55	24 ⁰ 0	29 ² 2	27 ⁴⁹ 49	21 ⁰ R 1	14 ⁵ 5	3 ⁵⁰ 50	22 ⁵⁴ 54	11 ⁴⁴ 44	2 ⁰ D30	3 ²⁶ 26	0 ⁰ 3 5	20 ⁴ 4	S 28
S 29	5 5 38	15 ⁵⁰ 14	11 ⁰ 4	25 ¹⁰ 10	0 ⁰ 9	28 ³² 32	21 ¹ 1	14 ¹⁰ 10	3 ⁴⁹ 49	22 ⁵⁴ 54	11 ⁴³ 43	2 ³⁰ 30	3 ²³ 23	0 ¹² 12	20 ⁴ 4	S 29
M30	5 9 35	16 ⁵¹ 19	26 ⁰ 0	26 ¹⁰ 23	1 ¹⁰ 16	29 ³⁵ 35	21 ⁰ 0	14 ¹⁴ 14	3 ⁴⁷ 47	22 ⁵⁴ 54	11 ⁴² 42	2 ³¹ 31	3 ²⁰ 20	0 ¹⁹ 19	20 ⁵ 5	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s 5	23n35	0n 5	21s50	1s24	0n30	0n58	19s55	1s47	15n38	0n46	18s19	1s14	12n43	0s28	14n23	0n29	22n26	0s31	23s28	23s25	24s11	0s21	3n50			
M 2	17 22	21 14	1s13	21 25	1 7	0 13	1 4	19 42	1 45	15 37	0 46	18 18	1 14	12 42	0 28	14 23	0 29	22 26	0 31	23 28	23 26	24 10	0 21	3 50			
T 3	17 39	17 36	2 25	20 56	0 49	0s 5	1 10	19 29	1 44	15 35	0 46	18 17	1 14	12 41	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 9	0 22	3 50			
W 4	17 55	13 2	3 27	20 23	0 30	0 23	1 15	19 16	1 42	15 34	0 46	18 16	1 14	12 40	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 8	0 23	3 49			
T 5	18 11	7 55	4 16	19 48	0 10	0 41	1 20	19 3	1 41	15 33	0 47	18 16	1 14	12 39	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 8	0 23	3 49			
F 6	18 27	2 33	4 50	19 10	0n10	1 0	1 25	18 50	1 39	15 32	0 47	18 15	1 14	12 39	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 7	0 24	3 49			
S 7	18 42	2s49	5 7	18 31	0 31	1 19	1 30	18 36	1 38	15 31	0 47	18 14	1 14	12 38	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 6	0 24	3 48			
S 8	18 57	7 57	5 9	17 51	0 51	1 39	1 34	18 22	1 36	15 30	0 47	18 13	1 14	12 37	0 28	14 23	0 29	22 27	0 31	23 28	23 26	24 5	0 25	3 48			
M 9	19 12	12 41	4 56	17 12	1 10	1 59	1 39	18 9	1 35	15 29	0 48	18 12	1 14	12 36	0 28	14 23	0 29	22 27	0 31	23 29	23 26	24 5	0 26	3 48			
T 10	19 26	16 49	4 29	16 35	1 28	2 19	1 43	17 55	1 33	15 28	0 48	18 11	1 14	12 36	0 28	14 23	0 29	22 27	0 31	23 29	23 26	24 4	0 26	3 48			
W11	19 40	20 10	3 50	16 1	1 44	2 39	1 47	17 41	1 32	15 27	0 48	18 10	1 14	12 35	0 28	14 22	0 29	22 28	0 31	23 29	23 26	24 3	0 27	3 47			
T 12	19 54	22 35	3 0	15 31	1 58	3 0	1 51	17 26	1 31	15 26	0 48	18 9	1 13	12 34	0 28	14 22	0 29	22 28	0 31	23 29	23 27	24 2	0 27	3 47			
F 13	20 7	23 59	2 3	15 5	2 10	3 20	1 55	17 12	1 29	15 25	0 49	18 8	1 13	12 33	0 28	14 22	0 29	22 28	0 31	23 29	23 27	24 2	0 28	3 47			
S 14	20 20	24 15	1 2	14 45	2 20	3 41	1 58	16 57	1 28	15 25	0 49	18 7	1 13	12 33	0 28	14 22	0 29	22 28	0 30	23 29	23 27	24 1	0 28	3 47			
S 15	20 33	23 26	0n 3	14 30	2 28	4 3	2 2	16 43	1 26	15 24	0 49	18 6	1 13	12 32	0 28	14 22	0 29	22 28	0 30	23 29	23 27	24 0	0 28	3 46			
M16	20 45	21 34	1 7	14 20	2 34	4 24	2 5	16 28	1 25	15 24	0 49	18 4	1 13	12 31	0 28	14 22	0 29	22 28	0 30	23 29	23 27	23 59	0 29	3 46			
T 17	20 57	18 47	2 8	14 15	2 38	4 45	2 8	16 13	1 23	15 23	0 50	18 3	1 13	12 31	0 28	14 22	0 29	22 28	0 30	23 29	23 27	23 58	0 29	3 46			
W18	21 8	15 12	3 5	14 14	2 40	5 7	2 11	15 58	1 22	15 23	0 50	18 2	1 13	12 30	0 28	14 22	0 30	22 29	0 30	23 29	23 27	23 57	0 30	3 46			
T 19	21 19	10 57	3 54	14 18	2 40	5 29	2 14	15 43	1 21	15 22	0 50	18 1	1 13	12 29	0 28	14 23	0 30	22 29	0 30	23 29	23 27	23 57	0 30	3 45			
F 20	21 30	6 10	4 34	14 25	2 40	5 51	2 16	15 27	1 19	15 22	0 50	18 0	1 13	12 29	0 28	14 23	0 30	22 29	0 30	23 29	23 27	23 56	0 30	3 45			
S 21	21 40	1 2	5 2	14 36	2 38	6 13	2 19	15 12	1 18	15 22	0 51	17 58	1 13	12 28	0 28	14 23	0 30	22 29	0 30	23 29	23 27	23 55	0 30	3 45			
S 22	21 49	4n19	5 15	14 50	2 35	6 35	2 21	14 56	1 16	15 22	0 51	17 57	1 13	12 27	0 28	14 23	0 30	22 29	0 30	23 29	23 28	23 54	0 31	3 44			
M23	21 59	9 38	5 11	15 6	2 31	6 57	2 23	14 40	1 15	15 21	0 51	17 56	1 13	12 27	0 28	14 23	0 30	22 29	0 30	23 29	23 28	23 53	0 31	3 44			
T24	22 8	14 40	4 49	15 24	2 26	7 19	2 25	14 25	1 14	15 21	0 51	17 54	1 13	12 26	0 28	14 23	0 30	22 29	0 30	23 29	23 28	23 52	0 31	3 44			
W25	22 16	19 2	4 8	15 44	2 21	7 41	2 27	14 9	1 12	15 21	0 52	17 53	1 13	12 26	0 28	14 23	0 30	22 30	0 30	23 29	23 28	23 52	0 31	3 44			
T 26	22 24	22 18	3 10	16 5	2 15	8 4	2 28	13 53	1 11	15 21	0 52	17 52	1 13	12 25	0 28	14 23	0 30	22 30	0 30	23 29	23 28	23 51	0 32	3 43			
F 27	22 32	24 4	1 58	16 28	2 9	8 26	2 30	13 37	1 10	15 22	0 52	17 50	1 13	12 24	0 28	14 23	0 30	22 30	0 30	23 29	23 28	23 50	0 32	3 43			
S 28	22 39	24 3	0 36	16 51	2 2	8 48	2 31	13 20	1 8	15 22	0 52	17 49	1 13	12 24	0 28	14 23	0 30	22 30	0 30	23 29	23 28	23 49	0 32	3 43			
S 29	22 45	22 16	0s47	17 15	1 55	9 11	2 33	13 4	1 7	15 22	0 53	17 47	1 13	12 23	0 28	14 24	0 30	22 30	0 30	23 29	23 28	23 48	0 32	3 42			
M30	22s52	18n56	2s 7	17s39	1n48	9s33	2n34	12s48	1s 6	15n22	0n53	17s46	1s13	12n23	0s28	14n24	0n30	22n30	0s30	23s29	23s28	23s47	0s32	3n42			

ASTRODIENST EPHEMERIS for the year 1433

geocentric

DECEMBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 13 31	17°52'25	10°38	27°39	2°24	29°59	21°R 0	14°19	3°R45	22°R53	11°R41	2°32	3°17	0°25	20°5	T 1
W 2	5 17 28	18°53'31	24°52	28°56	3°31	0°42	20°59	14°25	3°44	22°53	11°39	2°33	3°14	0°32	20° 6	W 2
T 3	5 21 24	19°54'38	8°40	0°15	4°39	1°25	20°58	14°30	3°42	22°52	11°38	2°34	3°10	0°38	20° 6	T 3
F 4	5 25 21	20°55'46	22° 5	1°36	5°47	2° 9	20°57	14°35	3°41	22°52	11°37	2°R34	3° 7	0°45	20° 7	F 4
S 5	5 29 18	21°56'54	5° 6	2°57	6°55	2°52	20°56	14°40	3°39	22°51	11°36	2°34	3° 4	0°52	20° 8	S 5
S 6	5 33 14	22°58'04	17°48	4°20	8° 3	3°36	20°55	14°45	3°38	22°50	11°35	2°33	3° 1	0°58	20° 9	S 6
M 7	5 37 11	23°59'14	0°14	5°44	9°12	4°19	20°53	14°51	3°37	22°50	11°33	2°32	2°58	1° 5	20° 9	M 7
T 8	5 41 7	25° 0'25	12°27	7° 9	10°21	5° 3	20°51	14°56	3°35	22°49	11°32	2°31	2°55	1°12	20°10	T 8
W 9	5 45 4	26° 1'36	24°29	8°35	11°29	5°46	20°49	15° 2	3°34	22°48	11°31	2°30	2°51	1°18	20°11	W 9
T 10	5 49 0	27° 2'47	6°24	10° 1	12°38	6°29	20°47	15° 7	3°33	22°47	11°30	2°29	2°48	1°25	20°12	T 10
F 11	5 52 57	28° 3'59	18°15	11°28	13°48	7°13	20°45	15°13	3°32	22°47	11°29	2°29	2°45	1°32	20°13	F 11
S 12	5 56 53	29° 5'12	0°3 2	12°56	14°57	7°56	20°42	15°19	3°31	22°46	11°27	2°D28	2°42	1°38	20°14	S 12
S 13	6 0 50	0°3 6'24	11°50	14°24	16° 7	8°40	20°39	15°25	3°29	22°45	11°26	2°29	2°39	1°45	20°15	S 13
M14	6 4 47	1° 7'36	23°38	15°53	17°16	9°23	20°36	15°30	3°28	22°44	11°25	2°29	2°35	1°52	20°17	M14
T 15	6 8 43	2° 8'49	5°31	17°22	18°26	10° 7	20°33	15°36	3°27	22°43	11°24	2°R29	2°32	1°58	20°18	T 15
W16	6 12 40	3°10'01	17°30	18°52	19°36	10°50	20°30	15°42	3°27	22°42	11°22	2°29	2°29	2° 5	20°19	W16
T 17	6 16 36	4°11'13	29°39	20°22	20°46	11°34	20°26	15°48	3°26	22°41	11°21	2°29	2°26	2°12	20°20	T 17
F 18	6 20 33	5°12'25	12°1 1	21°52	21°56	12°17	20°23	15°54	3°25	22°40	11°20	2°28	2°23	2°18	20°22	F 18
S 19	6 24 29	6°13'36	24°39	23°23	23° 6	13° 1	20°19	16° 0	3°24	22°39	11°18	2°28	2°20	2°25	20°23	S 19
S 20	6 28 26	7°14'47	7°37	24°55	24°17	13°44	20°15	16° 7	3°23	22°38	11°17	2°D28	2°16	2°31	20°25	S 20
M21	6 32 22	8°15'58	20°59	26°27	25°27	14°27	20°10	16°13	3°23	22°37	11°16	2°28	2°13	2°38	20°26	M21
T 22	6 36 19	9°17'08	4°46	27°59	26°38	15°11	20° 6	16°19	3°22	22°36	11°15	2°29	2°10	2°45	20°28	T 22
W23	6 40 16	10°18'18	18°59	29°31	27°48	15°54	20° 1	16°25	3°21	22°35	11°13	2°29	2° 7	2°51	20°30	W23
T 24	6 44 12	11°19'27	3°36	1°3 5	28°59	16°38	19°57	16°32	3°21	22°34	11°12	2°30	2° 4	2°58	20°31	T 24
F 25	6 48 9	12°20'36	18°33	2°38	0°10	17°21	19°52	16°38	3°20	22°33	11°11	2°31	2° 1	3° 5	20°33	F 25
S 26	6 52 5	13°21'44	3°43	4°12	1°21	18° 4	19°47	16°45	3°20	22°31	11°10	2°R31	1°57	3°11	20°35	S 26
S 27	6 56 2	14°22'52	18°57	5°46	2°32	18°48	19°41	16°51	3°20	22°30	11° 8	2°30	1°54	3°18	20°37	S 27
M28	6 59 58	15°23'59	4°5 5	7°21	3°44	19°31	19°36	16°58	3°19	22°29	11° 7	2°29	1°51	3°25	20°39	M28
T 29	7 3 55	16°25'06	18°58	8°57	4°55	20°14	19°31	17° 4	3°19	22°28	11° 6	2°28	1°48	3°31	20°41	T 29
W30	7 7 52	17°26'13	3°28	10°32	6° 6	20°58	19°25	17°11	3°19	22°26	11° 4	2°26	1°45	3°38	20°43	W30
T 31	7 11 48	18°27'19	17°31	12°3 9	7°18	21°41	19°19	17°17	3°19	22°25	11°3 3	2°24	1°41	3°45	20°45	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22s57	14n29	3s16	18s3	1n41	9s55	2n35	12s31	1s4	15n23	0n53	17s45	1s13	12n22	0s28	14n24
W 2	23 3	9 19	4 11	18 28	1 33	10 17	2 35	12 14	1 3	15 23	0 53	17 43	1 13	12 22	0 28	14 24
T 3	23 8	3 51	4 50	18 52	1 26	10 40	2 36	11 58	1 2	15 24	0 54	17 41	1 13	12 21	0 28	14 24
F 4	23 12	1s38	5 12	19 16	1 18	11 2	2 37	11 41	1 0	15 24	0 54	17 40	1 13	12 21	0 28	14 25
S 5	23 16	6 53	5 17	19 40	1 10	11 23	2 37	11 24	0 59	15 25	0 54	17 38	1 13	12 20	0 28	14 25
S 6	23 20	11 43	5 6	20 3	1 2	11 45	2 37	11 7	0 58	15 26	0 54	17 37	1 13	12 20	0 28	14 25
M 7	23 23	15 58	4 41	20 26	0 55	12 7	2 38	10 50	0 55	15 26	0 55	17 35	1 13	12 19	0 28	14 25
T 8	23 25	19 29	4 4	20 48	0 47	12 28	2 38	10 33	0 55	15 27	0 55	17 34	1 12	12 19	0 28	14 26
W 9	23 27	22 7	3 16	21 10	0 39	12 50	2 37	10 16	0 54	15 28	0 55	17 32	1 12	12 19	0 28	14 26
T 10	23 29	23 45	2 20	21 30	0 31	13 11	2 37	9 58	0 53	15 29	0 55	17 30	1 12	12 18	0 28	14 26
F 11	23 30	24 18	1 18	21 50	0 24	13 32	2 37	9 41	0 52	15 30	0 56	17 28	1 12	12 18	0 28	14 26
S 12	23 31	23 44	0 14	22 9	0 16	13 53	2 37	9 24	0 50	15 31	0 56	17 27	1 12	12 18	0 28	14 27
S 13	23 31	22 7	0n52	22 27	0 9	14 13	2 36	9 6	0 49	15 32	0 56	17 25	1 12	12 17	0 27	14 27
M14	23 30	19 33	1 55	22 44	0 1	14 33	2 35	8 49	0 48	15 33	0 56	17 23	1 12	12 17	0 27	14 27
T 15	23 30	16 8	2 54	23 1	0s6	14 53	2 35	8 31	0 47	15 35	0 57	17 21	1 12	12 17	0 27	14 28
W16	23 28	12 3	3 45	23 16	0 13	15 13	2 34	8 14	0 44	15 36	0 57	17 20	1 12	12 16	0 27	14 28
T 17	23 27	7 27	4 28	23 30	0 20	15 33	2 33	7 56	0 45	15 37	0 57	17 18	1 12	12 16	0 27	14 28
F 18	23 25	2 29	4 58	23 43	0 27	15 52	2 32	7 38	0 43	15 39	0 57	17 16	1 12	12 16	0 27	14 29
S 19	23 22	2n41	5 15	23 54	0 34	16 11	2 30	7 20	0 42	15 40	0 58	17 14	1 12	12 16	0 27	14 29
S 20	23 19	7 53	5 17	24 5	0 40	16 29	2 29	7 2	0 41	15 42	0 58	17 12	1 12	12 15	0 27	14 29
M21	23 15	12 52	5 2	24 14	0 47	16 48	2 28	6 45	0 40	15 43	0 58	17 10	1 12	12 15	0 27	14 30
T 22	23 11	17 22	4 29	24 23	0 53	17 5	2 26	6 27	0 38	15 45	0 58	17 9	1 12	12 15	0 27	14 30
W23	23 7	21 2	3 39	24 30	0 59	17 23	2 25	6 9	0 37	15 47	0 59	17 7	1 12	12 15	0 27	14 31
T 24	23 2	23 27	2 34	24 35	1 5	17 40	2 23	5 51	0 36	15 48	0 59	17 5	1 12	12 15	0 27	14 31
F 25	22 56	24 18	1 17	24 39	1 10	17 57	2 21	5 33	0 35	15 50	0 59	17 3	1 12	12 14	0 27	14 31
S 26	22 50	23 21	0s7	24 42	1 16	18 13	2 19	5 15	0 34	15 52	0 59	17 1	1 12	12 14	0 27	14 32
S 27	22 44	20 41	1 30	24 44	1 21	18 29	2 17	4 57	0 33	15 54	0 59	16 59	1 12	12 14	0 27	14 32
M28	22 37	16 36	2 47	24 44	1 26	18 45	2 15	4 39	0 32	15 56	1 0	16 57	1 12	12 14	0 27	14 33
T 29	22 30	11 32	3 50	24 43	1 30	19 0	2 13	4 21	0 30	15 58	1 0	16 55	1 12	12 14	0 27	14 33
W30	22 22	5 57	4 37	24 40	1 35	19 14	2 11	4 3	0 29	16 0	1 0	16 53	1 12	12 14	0 27	14 33
T 31	22s14	0n15	5s6	24s36	1s39	19s28	2n9	3s44	0s28	16n2	1n0	16s51	1s12	12n14	0s27	14n34

Julian Day Number = 2244795.5, Delta T = 06m57s

Ecliptic obliquity = 23°30'46", Nutation = 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°50'35", Lahiri = 15°57'35" Julian Calendar 1 Dec. 1433 == Greg. Calendar 10 Dec. 1433