



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 D5EPH

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°14	2°53	2°53	7°19	13°32	6°59	29°12	20°R 8	9°R46	20°R45	20°358	23°18	17°9	T 1
F 2	7 20 38	20°44'20	25°41	4°22	3°23	7°54	13°24	7° 6	29°12	20°R 7	9°R45	20°D45	20°55	23°25	17°11	F 2
S 3	7 24 35	21°45'24	10°16	5°51	4°38	8°28	13°16	7°13	29°13	20° 5	9°43	20°345	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	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°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°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	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°54'25	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°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°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°34	1°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°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°18	9°44	0°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°Y49	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°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°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° 9'04	20°125	22°16	9°37	24°10	10°12	10°33	29°Y40	19°120	9°12	20°39	19°23	26°139	18°36	S 31

Delta T = 06m59s

Julian Calendar 1 Jan. 1433 == Greg. Calendar 10 Jan. 1433

FEBRUARY 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 18 55	21° 9'35	4°34	24°56	10°52	24°32	10°R 7	10°40	29°Y42	19°R19	9°R12	20°331	19°320	26°146	18°39	S 1
M 2	9 22 52	22°10'04	18°39	25°57	12° 6	25° 4	10°D 3	10°47	29°43	19°17	9°11	20°R32	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
W11	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	W11
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°D50	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
M16	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°R54	18°32	28°26	19°32	M16
T 17	10 22 0	7°14'01	27°58	23°20	0°Y41	2°44	9°19	12°32	0°14	18°52	9° 0	19°54	18°29	28°33	19°35	T 17
W18	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	W18
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°Y43	0°Y21	6°51	5°10	9°14	13° 5	0°27	18°45	8°57	19°24	18°13	29° 6	19°54	S 22
M23	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	M23
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
W25	10 53 32	15°13'30	18°47	3°20	10°33	6°35	9°D14	13°25	0°34	18°40	8°56	19° 3	18° 3	29°26	20° 5	W25
T 26	10 57 29	16°13'17	3°11	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°D59	17°57	29°40	20°12	F 27
S 28	11 5 22	18°12'43	1°12	5°Y 9	14°Y14	7°58	9°15	13°44	0°43	18°36	8°55	18°39	17°54	29°46	20°16	S 28

Delta T = 06m59s

Julian Calendar

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°015	5°R44	17°54	9°19	9°18	14° 3	0°51	18°32	8°54	18°57	17°44	0°13	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
W 11	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	W 11
T 12	11 52 41	0°Y 6'15	5°19	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° 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
M 16	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	M 16
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
W 18	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	W 18
T 19	12 20 17	7° 0'21	2° 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
M 23	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	M 23
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
W 25	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	W 25
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
M 30	13 3 39	17°47'48	9°10	24° 0	20°38	19°38	10°57	16°31	2°16	18° 4	8°55	16°13	16°18	3° 7	22° 4	M 30
T 31	13 7 35	18°Y46'27	22°124	24°121	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

Delta T = 06m59s

Julian Calendar 1 March 1433 == Greg. Calendar 10 March 1433

APRIL 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	13 11 32	19°Y45'02	5°25	24°47	23° 2	20°13	11°5 9	16°40	2°23	18°R 2	8°R56	16°R 5	16°12	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°56	16° 9	3°27	22°14	T 2
F 3	13 19 25	21°42'07	0°54	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°50	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°11	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°Y32	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°B27'29	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
M 13	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	M 13
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
W 15	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	W 15
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°Y19	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
M 20	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	M 20
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
W 22	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	W 22
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
M 27	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	M 27
T 28	14 57 59	15°56'05	2°48	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
W 29	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	W 29
T 30	15 5 52	17°51'39	27°56	29°Y31	27°11	24°40	15°5 6	18°16	4° 2	17°58	9°18	13°20	14°40	6°34	23°37	T 30

Delta T = 06m59s

Julian Calendar

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	18♂17	28♂16	24°R39	15♂15	18♂18	48 6	17♂58	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	18°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

Delta T = 06m58s

Julian Calendar 1 May 1433 == Greg. Calendar 10 May 1433

JUNE 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	17 12 2	18♂30'27	25♂37	4♂58	2♂45	18°R38	21♂1	18°R30	5♂42	18♂25	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♂3	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
W 10	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	W 10
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	0♂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
M 15	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	M 15
T 16	18 11 10	2°48'25	10♂4	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
W 17	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	W 17
T 18	18 19 3	4°42'50	10♂14	0♂35	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♂40	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
M 22	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	M 22
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
W 24	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	W 24
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♂36	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
M 29	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	M 29
T 30	19 6 22	16°59'15	16♂9	10♂35	1♂19	11♂37	27♂11	17♂21	6♂47	19♂12	10♂44	11♂38	11♂26	13♂21	24♂38	T 30

Delta T = 06m58s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1433

geocentric

JULY 1433 JC

00:00 UT

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

Delta T = 06m58s

Julian Calendar 1 July 1433 == Greg. Calendar 10 July 1433

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

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 ¹³ R37	29 ²⁹ 13	10 ¹⁰ 43	13 ¹³ R 0	6 ⁶ R58	21 ²¹ 027	12 ¹² 5 4	9 ⁹ R10	8 ⁸ 3 6	20 ²⁰ 20	22 ²² R36	T 1
W 2	23 18 41	17 ¹⁷ 47'50	15 ¹⁵ 17	18 ¹⁸ 39	13 ¹³ 1	29 ²⁹ 45	10 ¹⁰ 55	12 ¹² 57	6 ⁶ 57	21 ²¹ 29	12 ¹² 5 5	8 ⁸ 359	8 ⁸ 3 3	20 ²⁰ 27	22 ²² 33	W 2
T 3	23 22 38	18 ¹⁸ 46'28	29 ²⁹ 16	20 ²⁰ 28	12 ¹² 25	0 ⁰ 318	11 ¹¹ 7	12 ¹² 54	6 ⁶ 56	21 ²¹ 31	12 ¹² 5 5	8 ⁸ 50	8 ⁸ 0 0	20 ²⁰ 34	22 ²² 30	T 3
F 4	23 26 34	19 ¹⁹ 45'08	13 ¹³ 21	22 ²² 16	11 ¹¹ 50	0 ⁰ 52	11 ¹¹ 18	12 ¹² 50	6 ⁶ 54	21 ²¹ 33	12 ¹² 6 6	8 ⁸ 43	7 ⁷ 56	20 ²⁰ 40	22 ²² 28	F 4
S 5	23 30 31	20 ²⁰ 43'50	27 ²⁷ 29	24 ²⁴ 3	11 ¹¹ 16	1 ¹ 25	11 ¹¹ 30	12 ¹² 47	6 ⁶ 53	21 ²¹ 35	12 ¹² 7 7	8 ⁸ 39	7 ⁷ 53	20 ²⁰ 47	22 ²² 25	S 5
S 6	23 34 28	21 ²¹ 42'34	11 ¹¹ 37	25 ²⁵ 50	10 ¹⁰ 44	1 ¹ 59	11 ¹¹ 42	12 ¹² 44	6 ⁶ 51	21 ²¹ 37	12 ¹² 8 8	8 ⁸ 37	7 ⁷ 50	20 ²⁰ 54	22 ²² 22	S 6
M 7	23 38 24	22 ²² 41'21	25 ²⁵ 44	27 ²⁷ 35	10 ¹⁰ 13	2 ² 33	11 ¹¹ 53	12 ¹² 41	6 ⁶ 50	21 ²¹ 39	12 ¹² 8 8	8 ⁸ D36	7 ⁷ 47	21 ²¹ 0	22 ²² 19	M 7
T 8	23 42 21	23 ²³ 40'10	9 ⁹ 349	29 ²⁹ 19	9 ⁹ 44	3 ³ 7	12 ¹² 4	12 ¹² 39	6 ⁶ 48	21 ²¹ 41	12 ¹² 9 9	8 ⁸ R37	7 ⁷ 44	21 ²¹ 7	22 ²² 16	T 8
W 9	23 46 17	24 ²⁴ 39'02	23 ²³ 51	1 ¹ 3	9 ⁹ 17	3 ³ 42	12 ¹² 16	12 ¹² 36	6 ⁶ 47	21 ²¹ 43	12 ¹² 10 10	8 ⁸ 36	7 ⁷ 41	21 ²¹ 13	22 ²² 14	W 9
T 10	23 50 14	25 ²⁵ 37'56	7 ⁷ 049	2 ² 45	8 ⁸ 51	4 ⁴ 17	12 ¹² 27	12 ¹² 33	6 ⁶ 45	21 ²¹ 45	12 ¹² 10 10	8 ⁸ 33	7 ⁷ 37	21 ²¹ 20	22 ²² 11	T 10
F 11	23 54 10	26 ²⁶ 36'51	21 ²¹ 41	4 ⁴ 27	8 ⁸ 28	4 ⁴ 52	12 ¹² 38	12 ¹² 30	6 ⁶ 43	21 ²¹ 47	12 ¹² 11 11	8 ⁸ 28	7 ⁷ 34	21 ²¹ 27	22 ²² 8	F 11
S 12	23 58 7	27 ²⁷ 35'50	5 ⁵ 1126	6 ⁶ 7	8 ⁸ 7	5 ⁵ 27	12 ¹² 49	12 ¹² 28	6 ⁶ 41	21 ²¹ 49	12 ¹² 11 11	8 ⁸ 19	7 ⁷ 31	21 ²¹ 33	22 ²² 5	S 12
S 13	0 2 3	28 ²⁸ 34'50	18 ¹⁸ 59	7 ⁷ 47	7 ⁷ 49	6 ⁶ 3	13 ¹³ 0	12 ¹² 25	6 ⁶ 40	21 ²¹ 51	12 ¹² 12 12	8 ⁸ 8	7 ⁷ 28	21 ²¹ 40	22 ²² 2	S 13
M14	0 6 0	29 ²⁹ 33'52	2 ² 19	9 ⁹ 26	7 ⁷ 32	6 ⁶ 39	13 ¹³ 11	12 ¹² 23	6 ⁶ 38	21 ²¹ 53	12 ¹² 12 12	7 ⁷ 56	7 ⁷ 25	21 ²¹ 47	22 ²² 0	M14
T 15	0 9 57	0 ⁰ 32'56	15 ¹⁵ 22	11 ¹¹ 4	7 ⁷ 18	7 ⁷ 15	13 ¹³ 22	12 ¹² 21	6 ⁶ 36	21 ²¹ 55	12 ¹² 13 13	7 ⁷ 43	7 ⁷ 21	21 ²¹ 53	21 ²¹ 57	T 15
W16	0 13 53	1 ¹ 32'03	28 ²⁸ 9	12 ¹² 41	7 ⁷ 7	7 ⁷ 51	13 ¹³ 33	12 ¹² 19	6 ⁶ 34	21 ²¹ 56	12 ¹² 13 13	7 ⁷ 30	7 ⁷ 18	22 ²² 0	21 ²¹ 54	W16
T 17	0 17 50	2 ² 31'11	10 ¹⁰ 38	14 ¹⁴ 17	6 ⁶ 57	8 ⁸ 28	13 ¹³ 44	12 ¹² 17	6 ⁶ 32	21 ²¹ 58	12 ¹² 14 14	7 ⁷ 20	7 ⁷ 15	22 ²² 7	21 ²¹ 51	T 17
F 18	0 21 46	3 ³ 30'21	22 ²² 51	15 ¹⁵ 53	6 ⁶ 51	9 ⁹ 4	13 ¹³ 54	12 ¹² 15	6 ⁶ 30	22 ²² 0	12 ¹² 14 14	7 ⁷ 12	7 ⁷ 12	22 ²² 13	21 ²¹ 49	F 18
S 19	0 25 43	4 ⁴ 29'34	4 ⁴ 12	17 ¹⁷ 27	6 ⁶ 46	9 ⁹ 41	14 ¹⁴ 5	12 ¹² 13	6 ⁶ 28	22 ²² 2	12 ¹² 15 15	7 ⁷ 7	7 ⁷ 9	22 ²² 20	21 ²¹ 46	S 19
S 20	0 29 39	5 ⁵ 28'48	16 ¹⁶ 44	19 ¹⁹ 1	6 ⁶ D45	10 ¹⁰ 19	14 ¹⁴ 15	12 ¹² 11	6 ⁶ 26	22 ²² 3	12 ¹² 15 15	7 ⁷ 4	7 ⁷ 6	22 ²² 27	21 ²¹ 43	S 20
M21	0 33 36	6 ⁶ 28'04	28 ²⁸ 32	20 ²⁰ 34	6 ⁶ 45	10 ¹⁰ 56	14 ¹⁴ 26	12 ¹² 9	6 ⁶ 24	22 ²² 5	12 ¹² 15 15	7 ⁷ 3	7 ⁷ 2	22 ²² 33	21 ²¹ 41	M21
T 22	0 37 32	7 ⁷ 27'21	10 ¹⁰ 321	22 ²² 7	6 ⁶ 48	11 ¹¹ 34	14 ¹⁴ 36	12 ¹² 8	6 ⁶ 22	22 ²² 7	12 ¹² 16 16	7 ⁷ 3	6 ⁶ 59	22 ²² 40	21 ²¹ 38	T 22
W23	0 41 29	8 ⁸ 26'41	22 ²² 17	23 ²³ 38	6 ⁶ 53	12 ¹² 11	14 ¹⁴ 46	12 ¹² 6	6 ⁶ 20	22 ²² 8	12 ¹² 16 16	7 ⁷ 3	6 ⁶ 56	22 ²² 47	21 ²¹ 35	W23
T 24	0 45 26	9 ⁹ 26'02	4 ⁴ 25	25 ²⁵ 9	7 ⁷ 0	12 ¹² 49	14 ¹⁴ 56	12 ¹² 5	6 ⁶ 18	22 ²² 10	12 ¹² 16 16	7 ⁷ 1	6 ⁶ 53	22 ²² 53	21 ²¹ 33	T 24
F 25	0 49 22	10 ¹⁰ 25'25	16 ¹⁶ 51	26 ²⁶ 39	7 ⁷ 10	13 ¹³ 27	15 ¹⁵ 6	12 ¹² 3	6 ⁶ 16	22 ²² 12	12 ¹² 16 16	6 ⁶ 57	6 ⁶ 50	23 ²³ 0	21 ²¹ 30	F 25
S 26	0 53 19	11 ¹¹ 24'50	29 ²⁹ 38	28 ²⁸ 9	7 ⁷ 22	14 ¹⁴ 6	15 ¹⁵ 16	12 ¹² 2	6 ⁶ 14	22 ²² 13	12 ¹² 17 17	6 ⁶ 50	6 ⁶ 46	23 ²³ 6	21 ²¹ 27	S 26
S 27	0 57 15	12 ¹² 24'16	12 ¹² 48	29 ²⁹ 38	7 ⁷ 36	14 ¹⁴ 44	15 ¹⁵ 26	12 ¹² 1	6 ⁶ 12	22 ²² 15	12 ¹² 17 17	6 ⁶ 41	6 ⁶ 43	23 ²³ 13	21 ²¹ 25	S 27
M28	1 1 12	13 ¹³ 23'45	26 ²⁶ 23	1 ¹ 5	7 ⁷ 52	15 ¹⁵ 23	15 ¹⁵ 36	12 ¹² 0	6 ⁶ 9	22 ²² 17	12 ¹² 17 17	6 ⁶ 30	6 ⁶ 40	23 ²³ 20	21 ²¹ 22	M28
T 29	1 5 8	14 ¹⁴ 23'16	10 ¹⁰ 19	2 ² 33	8 ⁸ 10	16 ¹⁶ 1	15 ¹⁵ 45	11 ¹¹ 59	6 ⁶ 7	22 ²² 18	12 ¹² 17 17	6 ⁶ 17	6 ⁶ 37	23 ²³ 26	21 ²¹ 20	T 29
W30	1 9 5	15 ¹⁵ 22'48	24 ²⁴ 19	3 ³ 59	8 ⁸ 10	16 ¹⁶ 30	15 ¹⁵ 55	11 ¹¹ 58	6 ⁶ 5	22 ²² 20	12 ¹² 17 17	6 ⁶ 3	6 ⁶ 34	23 ²³ 33	21 ²¹ 17	W30

Delta T = 06m58s

Julian Calendar 1 Sept. 1433 == Greg. Calendar 10 Sept. 1433

OCTOBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 1	16 ¹⁶ 22'23	8 ⁸ 59	5 ⁵ 124	8 ⁸ 115	17 ¹⁷ 319	16 ¹⁶ 0 4	11 ¹¹ R57	6 ⁶ R 3	22 ²² 021	12 ¹² 17	5 ⁵ R55	6 ⁶ 31	23 ²³ 40	21 ²¹ R15	T 1
F 2	1 16 58	17°22'00	23°30	6°49	9°15	17°59	16°13	11 ¹¹ 57	6 ⁶ 0	22°22	12°17	5 ⁵ 47	6°27	23°46	21 ²¹ 12	F 2
S 3	1 20 55	18°21'39	8 ⁸ 11 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 ⁶ 39	10°58	10°36	19°57	16°40	11°55	5°53	22°27	12°17	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 ⁴ 037	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 ¹ 115	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 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 ⁶ 13	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 ⁰ 120'23	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 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 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 ⁰ 36	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 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 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 ⁷ 128	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 ⁴ Y19	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 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 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 ¹⁶ 25'24	17 ¹⁷ 32	1 ¹ 48	0 ⁰ 2	7 ⁷ 47	19 ¹⁹ 45	12 ¹² 23	4 ⁴ 849	22 ²² 052	12 ¹² 9	3 ³ 222	4 ⁴ 55	26 ²⁶ 59	20 ²⁰ 17	S 31

ASTRODIENST EPHEMERIS for the year 1433

geocentric

NOVEMBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	3 15 15	17°12'57"	2°20'	1°R15	0°58'	8°29'	19°50'	12°25'	4°R47	22°53'	12°R 8	3°D21	4°35'	27°12'	20°R16	S 1
M 2	3 19 11	18°26'31"	16°54'	0°31'	1°55'	9°12'	19°55'	12°28'	4°45'	22°53'	12°R 8	3°D21	4°49'	27°12'	20°R15	M 2
T 3	3 23 8	19°27'07"	1°11'	29°M36	2°52'	9°54'	20° 0'	12°30'	4°42'	22°54'	12° 7'	3°D22	4°46'	27°19'	20°14'	T 3
W 4	3 27 4	20°27'44"	15°10'	28°33'	3°50'	10°36'	20° 5'	12°33'	4°40'	22°54'	12° 6'	3°R23	4°43'	27°26'	20°13'	W 4
T 5	3 31 1	21°28'24"	28°49'	27°22'	4°48'	11°19'	20° 9'	12°36'	4°38'	22°55'	12° 5'	3°D23	4°39'	27°32'	20°12'	T 5
F 6	3 34 57	22°29'05"	12°10'	26° 4'	5°47'	12° 2'	20°13'	12°39'	4°35'	22°55'	12° 5'	3°D21	4°36'	27°39'	20°11'	F 6
S 7	3 38 54	23°29'47"	25°16'	24°43'	6°47'	12°44'	20°18'	12°42'	4°33'	22°55'	12° 4'	3°R18	4°33'	27°46'	20°10'	S 7
S 8	3 42 51	24°30'32"	8°6'	23°21'	7°47'	13°27'	20°21'	12°45'	4°31'	22°56'	12° 3'	3°D12	4°30'	27°52'	20° 9'	S 8
M 9	3 46 47	25°31'18"	20°44'	22° 1'	8°47'	14°10'	20°25'	12°48'	4°28'	22°56'	12° 2'	3° 6'	4°27'	27°59'	20° 8'	M 9
T 10	3 50 44	26°32'05"	3°10'	20°45'	9°48'	14°52'	20°29'	12°51'	4°26'	22°56'	12° 2'	2°59'	4°23'	28° 6'	20° 8'	T 10
W11	3 54 40	27°32'54"	15°25'	19°36'	10°49'	15°35'	20°32'	12°55'	4°24'	22°56'	12° 1'	2°52'	4°20'	28°12'	20° 7'	W11
T 12	3 58 37	28°33'44"	27°31'	18°35'	11°51'	16°18'	20°35'	12°58'	4°22'	22°56'	12° 0'	2°46'	4°17'	28°19'	20° 6'	T 12
F 13	4 2 33	29°34'35"	9°29'	17°45'	12°53'	17° 1'	20°38'	13° 2'	4°19'	22°57'	11°59'	2°42'	4°14'	28°26'	20° 6'	F 13
S 14	4 6 30	0°35'28"	21°20'	17° 6'	13°55'	17°44'	20°41'	13° 5'	4°17'	22°57'	11°58'	2°40'	4°11'	28°32'	20° 5'	S 14
S 15	4 10 26	1°36'22"	3°8'	16°38'	14°58'	18°27'	20°44'	13° 9'	4°15'	22°57'	11°57'	2°D39	4° 8'	28°39'	20° 5'	S 15
M16	4 14 23	2°37'16"	14°53'	16°22'	16° 1'	19°10'	20°46'	13°13'	4°13'	22°57'	11°56'	2°40'	4° 4'	28°45'	20° 4'	M16
T 17	4 18 20	3°38'12"	26°41'	16°D17	17° 4'	19°53'	20°48'	13°17'	4°11'	22°57'	11°55'	2°41'	4° 1'	28°52'	20° 4'	T 17
W18	4 22 16	4°39'08"	8°35'	16°22'	18° 8'	20°36'	20°50'	13°21'	4° 9'	22°57'	11°54'	2°43'	3°58'	28°59'	20° 4'	W18
T 19	4 26 13	5°40'06"	20°40'	16°38'	19°12'	21°19'	20°52'	13°25'	4° 7'	22°57'	11°53'	2°45'	3°55'	29° 5'	20° 4'	T 19
F 20	4 30 9	6°41'03"	3°0'	17° 2'	20°17'	22° 2'	20°54'	13°29'	4° 5'	22°57'	11°52'	2°R46	3°52'	29°12'	20° 3'	F 20
S 21	4 34 6	7°42'02"	15°40'	17°34'	21°21'	22°46'	20°56'	13°33'	4° 3'	22°56'	11°51'	2°45'	3°49'	29°19'	20° 3'	S 21
S 22	4 38 2	8°43'01"	28°45'	18°13'	22°26'	23°29'	20°57'	13°37'	4° 1'	22°56'	11°50'	2°44'	3°45'	29°25'	20°D 3	S 22
M23	4 41 59	9°44'01"	12°17'	18°59'	23°32'	24°12'	20°58'	13°42'	3°59'	22°56'	11°49'	2°42'	3°42'	29°32'	20° 3'	M23
T 24	4 45 55	10°45'01"	26°18'	19°50'	24°37'	24°55'	20°59'	13°46'	3°57'	22°56'	11°48'	2°39'	3°39'	29°39'	20° 3'	T 24
W25	4 49 52	11°46'03"	10°45'	20°47'	25°43'	25°39'	21° 0'	13°51'	3°55'	22°55'	11°47'	2°36'	3°36'	29°45'	20° 3'	W25
T 26	4 53 49	12°47'04"	25°36'	21°47'	26°49'	26°22'	21° 0'	13°55'	3°54'	22°55'	11°46'	2°33'	3°33'	29°52'	20° 4'	T 26
F 27	4 57 45	13°48'07"	10°II42	22°52'	27°56'	27° 5'	21° 0'	14° 0'	3°52'	22°55'	11°45'	2°31'	3°29'	29°59'	20° 4'	F 27
S 28	5 1 42	14°49'10"	25°55'	24° 0'	29° 2'	27°49'	21°R 1	14° 5'	3°50'	22°54'	11°44'	2°D30	3°26'	0°35'	20° 4'	S 28
S 29	5 5 38	15°50'14"	11°4	25°10'	0°M 9	28°32'	21° 1'	14°10'	3°49'	22°54'	11°43'	2°30'	3°23'	0°12'	20° 4'	S 29
M30	5 9 35	16°51'19"	26°0	26°M23	1°M16	29°15'	21°L 0	14°14'	3°47'	22°54'	11°42'	2°31'	3°20'	0°19'	20°H 5	M30

Delta T = 06m58s

Julian Calendar 1 Nov. 1433 == Greg. Calendar 10 Nov. 1433

DECEMBER 1433 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 13 31	17°52'25"	10°L38	27°M39	2°M24	29°59'	21°R 0	14°19'	3°R45	22°R53	11°R41	2°332	3°317	0°325	20°H 5	T 1
W 2	5 17 28	18°53'31"	24°52'	28°56'	3°31'	0°H42	20°L59	14°25'	3°H44	22°L53	11°H39	2°33	3°14	0°32	20° 6'	W 2
T 3	5 21 24	19°54'38"	8°M40	0°H15	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°M14	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°H24	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°35'	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°36'24"	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°H31	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°H 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°H37	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°H46	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°H36	1°35'	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°H10	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°H43	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°L 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°H28	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°H31	12°35'	7°H18	21°H41	19°L19	17°17'	3°H19	22°L25	11°H 3	2°34	1°41	3°45	20°H45	T 31

Delta T = 06m57s

Julian Calendar