



Astrodienst Ephemeris Tables for the year 1465

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 1465
geocentric

JANUARY 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 17 39	19°56'43	6°23	26°28	4°48	11°19	10°47	4°26	27°29	0°38	0°R 7	2°R32	2°R 2	5°13	20°20	T 1
W 2	7 21 36	20°57'49	20°23	27°38	6° 3	11°55	10°59	4°32	27°28	0°39	0°R 6	2°R26	1°59	5°20	20°26	W 2
T 3	7 25 32	21°58'55	3°52	28°50	7°18	12°30	11°11	4°38	27°28	0°39	0° 5	2°23	1°55	5°27	20°32	T 3
F 4	7 29 29	23° 0'00	16°53	0° 4	8°33	13° 6	11°23	4°45	27°27	0°40	0° 4	2°22	1°52	5°33	20°38	F 4
S 5	7 33 25	24° 1'04	29°30	1°20	9°48	13°41	11°35	4°51	27°26	0°41	0° 2	2°22	1°49	5°40	20°44	S 5
S 6	7 37 22	25° 2'07	11°48	2°37	11° 3	14°17	11°47	4°57	27°26	0°41	0° 1	2°22	1°46	5°47	20°50	S 6
M 7	7 41 18	26° 3'09	23°52	3°56	12°18	14°52	11°59	5° 3	27°25	0°42	29°R59	2°20	1°43	5°53	20°56	M 7
T 8	7 45 15	27° 4'10	5°47	5°15	13°34	15°28	12°11	5° 9	27°24	0°42	29°59	2°16	1°39	6° 0	21° 2	T 8
W 9	7 49 12	28° 5'10	17°38	6°36	14°49	16° 3	12°23	5°16	27°23	0°43	29°58	2° 9	1°36	6° 7	21° 8	W 9
T 10	7 53 8	29° 6'08	29°28	7°59	16° 4	16°38	12°36	5°22	27°22	0°43	29°56	2° 0	1°33	6°14	21°13	T 10
F 11	7 57 5	0° 7'06	11°19	9°22	17°19	17°14	12°48	5°29	27°21	0°43	29°55	1°47	1°30	6°20	21°19	F 11
S 12	8 1 1	1° 8'03	23°14	10°46	18°34	17°49	13° 1	5°35	27°20	0°44	29°54	1°33	1°27	6°27	21°25	S 12
S 13	8 4 58	2° 8'59	5°14	12°11	19°49	18°24	13°14	5°42	27°19	0°44	29°52	1°18	1°24	6°34	21°30	S 13
M14	8 8 54	3° 9'53	17°21	13°37	21° 4	18°59	13°26	5°48	27°18	0°45	29°51	1° 3	1°20	6°40	21°36	M14
T 15	8 12 51	4°10'47	29°34	15° 4	22°18	19°34	13°39	5°55	27°17	0°45	29°50	0°50	1°17	6°47	21°41	T 15
W16	8 16 47	5°11'40	11°55	16°31	23°33	20° 9	13°52	6° 2	27°16	0°45	29°48	0°40	1°14	6°54	21°47	W16
T 17	8 20 44	6°12'31	24°27	18° 0	24°48	20°44	14° 5	6° 8	27°14	0°45	29°47	0°33	1°11	7° 0	21°52	T 17
F 18	8 24 41	7°13'22	7° 9	19°29	26° 3	21°19	14°18	6°15	27°13	0°45	29°46	0°29	1° 8	7° 7	21°58	F 18
S 19	8 28 37	8°14'12	20° 6	21° 0	27°18	21°54	14°31	6°22	27°12	0°46	29°44	0°27	1° 5	7°14	22° 3	S 19
S 20	8 32 34	9°15'00	3°12	22°31	28°33	22°28	14°44	6°29	27°10	0°46	29°43	0°27	1° 1	7°21	22° 8	S 20
M21	8 36 30	10°15'48	16°55	24° 3	29°48	23° 3	14°57	6°35	27° 9	0°46	29°41	0°27	0°58	7°27	22°13	M21
T 22	8 40 27	11°16'35	0°52	25°35	1° 2	23°38	15°11	6°42	27° 7	0°46	29°40	0°25	0°55	7°34	22°18	T 22
W23	8 44 23	12°17'21	15°12	27° 9	2°17	24°12	15°24	6°49	27° 6	0°R46	29°38	0°22	0°52	7°41	22°23	W23
T 24	8 48 20	13°18'07	29°52	28°43	3°32	24°47	15°37	6°56	27° 4	0°46	29°37	0°16	0°49	7°47	22°28	T 24
F 25	8 52 16	14°18'51	14°39	0°18	4°46	25°21	15°51	7° 3	27° 2	0°46	29°36	0° 7	0°45	7°54	22°33	F 25
S 26	8 56 13	15°19'33	29°54	1°54	6° 1	25°56	16° 4	7°10	27° 1	0°46	29°34	29°56	0°42	8° 1	22°38	S 26
S 27	9 0 10	16°20'15	14°57	3°31	7°16	26°30	16°18	7°17	26°59	0°45	29°33	29°45	0°39	8° 8	22°43	S 27
M28	9 4 6	17°20'54	29°49	5° 8	8°30	27° 4	16°32	7°24	26°57	0°45	29°31	29°34	0°36	8°14	22°48	M28
T 29	9 8 3	18°21'33	14°20	6°47	9°45	27°38	16°45	7°31	26°55	0°45	29°30	29°25	0°33	8°21	22°52	T 29
W30	9 11 59	19°22'09	28°25	8°26	11° 0	28°12	16°59	7°39	26°53	0°45	29°28	29°19	0°30	8°28	22°57	W30
T 31	9 15 56	20°22'44	12°1	10° 6	12°14	28°46	17°13	7°46	26°52	0°45	29°27	29°16	0°26	8°34	23° 2	T 31

Delta T = 06m02s

Julian Calendar 1 Jan. 1465 == Greg. Calendar 10 Jan. 1465

FEBRUARY 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	9 19 52	21°23'17	25°9	11°47	13°29	29°20	17°26	7°53	26°R50	0°R44	29°R25	29°D14	0°R23	8°41	23° 6	F 1
S 2	9 23 49	22°23'48	7°51	13°29	14°43	29°54	17°40	8° 0	26°R48	0°R44	29°R23	29°Y14	0°20	8°48	23°11	S 2
S 3	9 27 45	23°24'17	20°13	15°12	15°58	0°27	17°54	8° 7	26°46	0°44	29°22	29°R15	0°17	8°55	23°15	S 3
M 4	9 31 42	24°24'45	2°12	16°56	17°12	1° 1	18° 8	8°14	26°44	0°43	29°20	29°15	0°14	9° 1	23°19	M 4
T 5	9 35 39	25°25'10	14°16	18°41	18°26	1°34	18°22	8°22	26°42	0°43	29°19	29°13	0°11	9° 8	23°23	T 5
W 6	9 39 35	26°25'34	26° 7	20°27	19°41	2° 8	18°36	8°29	26°39	0°42	29°17	29° 8	0° 7	9°15	23°27	W 6
T 7	9 43 32	27°25'56	7°57	22°13	20°55	2°41	18°50	8°36	26°37	0°42	29°16	29° 1	0° 4	9°21	23°32	T 7
F 8	9 47 28	28°26'16	19°50	24° 1	22° 9	3°14	19° 4	8°44	26°35	0°41	29°14	28°52	0° 1	9°28	23°35	F 8
S 9	9 51 25	29°26'34	1°50	25°50	23°23	3°48	19°18	8°51	26°33	0°41	29°13	28°41	29°58	9°35	23°39	S 9
S 10	9 55 21	0°26'50	13°57	27°39	24°37	4°21	19°32	8°58	26°31	0°40	29°11	28°30	29°55	9°42	23°43	S 10
M11	9 59 18	1°27'04	26°14	29°30	25°52	4°54	19°47	9° 6	26°28	0°39	29°10	28°19	29°51	9°48	23°47	M11
T 12	10 3 14	2°27'16	8°41	1°21	27° 6	5°26	20° 1	9°13	26°26	0°39	29° 8	28° 9	29°48	9°55	23°51	T 12
W13	10 7 11	3°27'27	21°19	3°14	28°20	5°59	20°15	9°20	26°24	0°38	29° 7	28° 1	29°45	10° 2	23°54	W13
T 14	10 11 8	4°27'36	4° 8	5° 7	29°34	6°32	20°29	9°28	26°22	0°37	29° 5	27°56	29°42	10° 8	23°58	T 14
F 15	10 15 4	5°27'43	17° 8	7° 2	0°Y48	7° 4	20°44	9°35	26°19	0°37	29° 3	27°53	29°39	10°15	24° 1	F 15
S 16	10 19 1	6°27'48	0°19	8°57	2° 2	7°37	20°58	9°42	26°17	0°36	29° 2	27°D53	29°36	10°22	24° 5	S 16
S 17	10 22 57	7°27'52	13°44	10°52	3°15	8° 9	21°12	9°50	26°14	0°35	29° 0	27°53	29°32	10°29	24° 8	S 17
M18	10 26 54	8°27'54	27°22	12°49	4°29	8°41	21°27	9°57	26°12	0°34	28°59	27°55	29°29	10°35	24°11	M18
T 19	10 30 50	9°27'55	11°15	14°45	5°43	9°13	21°41	10° 4	26° 9	0°33	28°57	27°R55	29°26	10°42	24°14	T 19
W20	10 34 47	10°27'54	25°24	16°43	6°57	9°45	21°55	10°12	26° 7	0°33	28°56	27°54	29°23	10°49	24°17	W20
T 21	10 38 43	11°27'51	9°46	18°40	8°11	10°17	22°10	10°19	26° 5	0°32	28°54	27°51	29°20	10°55	24°20	T 21
F 22	10 42 40	12°27'47	24°19	20°37	9°24	10°49	22°24	10°27	26° 2	0°31	28°53	27°46	29°17	11° 2	24°23	F 22
S 23	10 46 37	13°27'41	8°57	22°34	10°38	11°20	22°39	10°34	26° 0	0°30	28°51	27°40	29°13	11° 9	24°26	S 23
S 24	10 50 33	14°27'34	23°35	24°31	11°51	11°52	22°53	10°41	25°57	0°29	28°50	27°33	29°10	11°16	24°29	S 24
M25	10 54 30	15°27'24	8° 5	26°26	13° 5	12°23	23° 8	10°49	25°54	0°28	28°48	27°26	29° 7	11°22	24°31	M25
T 26	10 58 26	16°27'12	22°20	28°21	14°18	12°54	23°22	10°56	25°52	0°27	28°47	27°20	29° 4	11°29	24°34	T 26
W27	11 2 23	17°26'58	6°Y16	0°Y13	15°32	13°25	23°37	11° 3	25°49	0°26	28°45	27°17	29° 1	11°36	24°36	W27
T 28	11 6 19	18°26'43	19°Y48	2°Y 4	16°Y45	13°56	23°51	11°11	25°47	0°25	28°44	27°Y15	28°Y57	11°42	24°39	T 28

Delta T = 06m02s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1465

geocentric

MARCH 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	11 10 16	19°26'24	28°56	3°52	17°58	14°27	24°6	11°18	25°R44	0°R23	28°R43	27°D15	28°Y54	11°549	24°41	F 1
S 2	11 14 12	20°26'04	15°42	5°38	19°12	14°57	24°20	11°25	25°R42	0°R22	28°R41	27°Y16	28°51	11°56	24°43	S 2
S 3	11 18 9	21°25'42	28° 8	7°19	20°25	15°28	24°35	11°33	25°39	0°21	28°40	27°17	28°48	12° 3	24°45	S 3
M 4	11 22 6	22°25'17	10°18	8°58	21°38	15°58	24°49	11°40	25°36	0°20	28°38	27°19	28°45	12° 9	24°47	M 4
T 5	11 26 2	23°24'50	22°18	10°31	22°51	16°28	25° 4	11°47	25°34	0°19	28°37	27°R20	28°42	12°16	24°49	T 5
W 6	11 29 59	24°24'21	4°31	12° 0	24° 4	16°58	25°18	11°55	25°31	0°17	28°36	27°19	28°38	12°23	24°51	W 6
T 7	11 33 55	25°23'49	16° 3	13°24	25°17	17°28	25°33	12° 2	25°29	0°16	28°34	27°17	28°35	12°29	24°53	T 7
F 8	11 37 52	26°23'15	27°58	14°42	26°30	17°57	25°47	12° 9	25°26	0°15	28°33	27°14	28°32	12°36	24°54	F 8
S 9	11 41 48	27°22'39	10°1	15°55	27°43	18°27	26° 2	12°16	25°23	0°14	28°32	27° 9	28°29	12°43	24°56	S 9
S 10	11 45 45	28°22'01	22°14	17° 1	28°56	18°56	26°16	12°24	25°21	0°12	28°30	27° 4	28°26	12°50	24°57	S 10
M 11	11 49 41	29°21'20	4°40	18° 0	0° 8	19°25	26°31	12°31	25°18	0°11	28°29	27° 0	28°22	12°56	24°59	M 11
T 12	11 53 38	0°Y20'37	17°20	18°53	1°21	19°54	26°45	12°38	25°16	0°10	28°28	26°55	28°19	13° 3	25° 0	T 12
W 13	11 57 35	1°19'52	0°16	19°39	2°34	20°22	27° 0	12°45	25°13	0° 8	28°26	26°52	28°16	13°10	25° 1	W 13
T 14	12 1 31	2°19'04	13°26	20°18	3°46	20°51	27°14	12°52	25°10	0° 7	28°25	26°50	28°13	13°17	25° 2	T 14
F 15	12 5 28	3°18'15	26°49	20°50	4°59	21°19	27°29	12°59	25° 8	0° 5	28°24	26°D50	28°10	13°23	25° 3	F 15
S 16	12 9 24	4°17'24	10°125	21°14	6°11	21°47	27°43	13° 6	25° 5	0° 4	28°23	26°50	28° 7	13°30	25° 4	S 16
S 17	12 13 21	5°16'31	24°12	21°31	7°23	22°15	27°58	13°13	25° 3	0° 3	28°22	26°51	28° 3	13°37	25° 5	S 17
M 18	12 17 17	6°15'36	8°7	21°41	8°36	22°43	28°12	13°20	25° 0	0° 1	28°20	26°53	28° 0	13°43	25° 6	M 18
T 19	12 21 14	7°14'40	22°11	21°R44	9°48	23°10	28°27	13°27	24°58	29°59	28°19	26°54	27°57	13°50	25° 6	T 19
W 20	12 25 10	8°13'41	6°30	21°41	11° 0	23°37	28°41	13°34	24°55	29°58	28°18	26°R54	27°54	13°57	25° 7	W 20
T 21	12 29 7	9°12'41	20°34	21°30	12°12	24° 4	28°56	13°41	24°53	29°57	28°17	26°54	27°51	14° 4	25° 7	T 21
F 22	12 33 4	10°11'40	4°49	21°14	13°24	24°31	29°10	13°48	24°50	29°55	28°16	26°53	27°48	14°10	25° 8	F 22
S 23	12 37 0	11°10'36	19° 3	20°51	14°36	24°57	29°24	13°55	24°48	29°54	28°15	26°51	27°44	14°17	25° 8	S 23
S 24	12 40 57	12° 9'31	3°12	20°24	15°48	25°23	29°39	14° 2	24°45	29°52	28°14	26°49	27°41	14°24	25° 8	S 24
M 25	12 44 53	13° 8'23	17°12	19°52	17° 0	25°49	29°53	14° 9	24°43	29°51	28°13	26°47	27°38	14°30	25° 8	M 25
T 26	12 48 50	14° 7'14	1°Y 1	19°16	18°11	26°15	0°Y 7	14° 15	24°40	29°49	28°12	26°46	27°35	14°37	25°R 8	T 26
W 27	12 52 46	15° 6'03	14°35	18°36	19°23	26°40	0°22	14°22	24°38	29°48	28°11	26°45	27°32	14°44	25° 8	W 27
T 28	12 56 43	16° 4'50	27°52	17°55	20°35	27° 5	0°36	14°29	24°36	29°46	28°10	26°D45	27°28	14°51	25° 8	T 28
F 29	13 0 39	17° 3'35	10°351	17°11	21°46	27°30	0°50	14°36	24°33	29°44	28° 9	26°45	27°25	14°57	25° 8	F 29
S 30	13 4 36	18° 2'17	23°31	16°27	22°58	27°55	1° 4	14°42	24°31	29°43	28° 8	26°46	27°22	15° 4	25° 7	S 30
S 31	13 8 32	19°Y 0'58	5°II56	15°Y43	24°8 9	28°19	1°Y19	14°49	24°29	29°41	28°7	26°Y47	27°Y19	15°511	25°7	S 31

Delta T = 06m01s

Julian Calendar 1 March 1465 == Greg. Calendar 10 March 1465

APRIL 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	13 12 29	19°Y59'36	18°II 7	15°R 0	25°820	28°143	1°Y33	14°55	24°R26	29°R40	28°R 6	26°Y47	27°Y16	15°517	25°R 6	M 1
T 2	13 16 26	20°58'13	0°5	14°Y19	26°31	29° 6	1°47	15° 2	24°R24	29°R38	28°R 6	26°48	27°13	15°24	25°R 6	T 2
W 3	13 20 22	21°56'47	12° 2	13°40	27°42	29°29	2° 1	15° 8	24°22	29°36	28° 5	26°48	27° 9	15°31	25° 5	W 3
T 4	13 24 19	22°55'19	23°55	13° 4	28°53	29°52	2°15	15°15	24°20	29°35	28° 4	26°R48	27° 6	15°38	25° 4	T 4
F 5	13 28 15	23°53'49	5°151	12°31	0°II 4	0°315	2°29	15°21	24°17	29°33	28° 3	26°48	27° 3	15°44	25° 3	F 5
S 6	13 32 12	24°52'16	17°55	12° 2	1°15	0°37	2°43	15°27	24°15	29°31	28° 3	26°48	27° 0	15°51	25° 2	S 6
S 7	13 36 8	25°50'41	0°II 10	11°38	2°26	0°59	2°57	15°33	24°13	29°30	28° 2	26°48	26°57	15°58	25° 1	S 7
M 8	13 40 5	26°49'05	12°41	11°18	3°36	1°20	3°11	15°40	24°11	29°28	28° 1	26°D48	26°54	16° 5	25° 0	M 8
T 9	13 44 1	27°47'26	25°29	11° 3	4°47	1°41	3°25	15°46	24° 9	29°27	28° 1	26°48	26°50	16°11	24°59	T 9
W 10	13 47 58	28°45'45	8°138	10°52	5°57	2° 2	3°38	15°52	24° 7	29°25	28° 0	26°48	26°47	16°18	24°58	W 10
T 11	13 51 55	29°44'02	22° 6	10°47	7° 8	2°23	3°52	15°58	24° 5	29°23	27°59	26°R48	26°44	16°25	24°56	T 11
F 12	13 55 51	0°842'17	5°II53	10°D46	8°18	2°43	4° 6	16° 4	24° 3	29°22	27°59	26°48	26°41	16°31	24°55	F 12
S 13	13 59 48	1°40'31	19°56	10°51	9°28	3° 2	4°20	16°10	24° 1	29°20	27°58	26°48	26°38	16°38	24°53	S 13
S 14	14 3 44	2°38'43	4°110	11° 0	10°38	3°21	4°33	16°16	23°59	29°18	27°58	26°47	26°34	16°45	24°52	S 14
M 15	14 7 41	3°36'53	18°32	11°14	11°48	3°40	4°47	16°21	23°58	29°17	27°57	26°47	26°31	16°52	24°50	M 15
T 16	14 11 37	4°35'02	2°357	11°32	12°58	3°58	5° 0	16°27	23°56	29°15	27°57	26°46	26°28	16°58	24°48	T 16
W 17	14 15 34	5°33'10	17°20	11°55	14° 7	4°16	5°14	16°33	23°54	29°13	27°57	26°45	26°25	17° 5	24°46	W 17
T 18	14 19 30	6°31'16	1°337	12°22	15°17	4°34	5°27	16°39	23°52	29°12	27°56	26°D45	26°22	17°12	24°44	T 18
F 19	14 23 27	7°29'20	15°46	12°54	16°26	4°51	5°41	16°44	23°51	29°10	27°56	26°45	26°19	17°18	24°42	F 19
S 20	14 27 24	8°27'23	29°45	13°29	17°36	5° 7	5°54	16°50	23°49	29° 9	27°56	26°45	26°15	17°25	24°40	S 20
S 21	14 31 20	9°25'25	13°32	14° 9	18°45	5°23	6° 8	16°55	23°48	29° 7	27°55	26°46	26°12	17°32	24°38	S 21
M 22	14 35 17	10°23'25	27° 6	14°52	19°54	5°38	6°21	17° 1	23°46	29° 5	27°55	26°47	26° 9	17°39	24°35	M 22
T 23	14 39 13	11°21'24	10°Y28	15°38	21° 3	5°53	6°34	17° 6	23°45	29° 4	27°55	26°48	26° 6	17°45	24°33	T 23
W 24	14 43 10	12°19'22	23°37	16°29	22°12	6° 8	6°47	17°11	23°43	29° 2	27°55	26°R49	26° 3	17°52	24°31	W 24
T 25	14 47 6	13°17'18	6°332	17°22	23°21	6°21	7° 0	17°16	23°42	29° 1	27°54	26°49	26° 0	17°59	24°28	T 25
F 26	14 51 3	14°15'12	19°15	18°19	24°30	6°35	7°13	17°21	23°40	28°59	27°54	26°48	25°56	18° 6	24°26	F 26
S 27	14 54 59	15°13'05	1°II44	19°19	25°38	6°47	7°26	17°27	23°39	28°58	27°54	26°46	25°53	18°12	24°23	S 27
S 28	14 58 56	16°10'57	14° 2	20°21	26°47	6°59	7°39	17°32	23°38	28°56	27°54	26°43	25°50	18°19	24°20	S 28
M 29	15 2 53	17° 8'47	26° 9	21°27	27°55	7°11	7°52	17°36	23°36	28°54	27°54	26°40	25°47	18°26	24°18	M 29
T 30	15 6 49	18° 6'35	8°5	22°Y36	29°II 3	7°322	8°Y 5	17°41	23°35	28°53	27°D54	26°Y36	25°Y44	18°532	24°15	T 30

Delta T = 06m01s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1465

geocentric

MAY 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	15 10 46	19° 8' 42"	20° 2' 2	23° 47'	0° 11'	7° 32'	8° 17'	17° 46'	23° 34'	28° 51'	27° 54'	26° 34'	25° 40'	18° 39'	24° 12'	W 1
T 2	15 14 42	20° 2' 07"	19° 54'	25° 1'	1° 19'	7° 42'	8° 30'	17° 51'	23° 33'	28° 50'	27° 54'	26° 31'	25° 37'	18° 46'	24° 9'	T 2
F 3	15 18 39	20° 59' 50"	13° 49'	26° 17'	2° 27'	7° 51'	8° 42'	17° 55'	23° 32'	28° 48'	27° 54'	26° 30'	25° 34'	18° 53'	24° 6'	F 3
S 4	15 22 35	21° 57' 32"	25° 51'	27° 37'	3° 34'	8° 0'	8° 55'	18° 0'	23° 31'	28° 47'	27° 54'	26° 30'	25° 31'	18° 59'	24° 3'	S 4
S 5	15 26 32	22° 55' 12"	8° 17'	28° 58'	4° 41'	8° 7'	9° 7'	18° 4'	23° 30'	28° 45'	27° 54'	26° 31'	25° 28'	19° 6'	24° 0'	S 5
M 6	15 30 28	23° 52' 50"	20° 35'	0° 22'	5° 49'	8° 15'	9° 19'	18° 9'	23° 29'	28° 44'	27° 54'	26° 32'	25° 25'	19° 13'	23° 57'	M 6
T 7	15 34 25	24° 50' 27"	3° 25'	1° 49'	6° 56'	8° 21'	9° 32'	18° 13'	23° 28'	28° 43'	27° 55'	26° 34'	25° 21'	19° 19'	23° 53'	T 7
W 8	15 38 22	25° 48' 02"	16° 38'	3° 18'	8° 3'	8° 27'	9° 44'	18° 17'	23° 28'	28° 41'	27° 55'	26° 35'	25° 18'	19° 26'	23° 50'	W 8
T 9	15 42 18	26° 45' 36"	0° 17'	4° 49'	9° 9'	8° 32'	9° 56'	18° 22'	23° 27'	28° 40'	27° 55'	26° 35'	25° 15'	19° 33'	23° 47'	T 9
F 10	15 46 15	27° 43' 09"	14° 19'	6° 23'	10° 16'	8° 37'	10° 8'	18° 26'	23° 26'	28° 38'	27° 55'	26° 34'	25° 12'	19° 40'	23° 43'	F 10
S 11	15 50 11	28° 40' 41"	28° 44'	8° 0'	11° 22'	8° 40'	10° 20'	18° 30'	23° 26'	28° 37'	27° 56'	26° 32'	25° 9'	19° 46'	23° 40'	S 11
S 12	15 54 8	29° 38' 11"	13° 24'	9° 38'	12° 28'	8° 43'	10° 32'	18° 34'	23° 25'	28° 36'	27° 56'	26° 28'	25° 5'	19° 53'	23° 36'	S 12
M 13	15 58 4	0° 13' 54"	28° 14'	11° 19'	13° 34'	8° 46'	10° 43'	18° 38'	23° 24'	28° 34'	27° 56'	26° 23'	25° 2'	20° 0'	23° 33'	M 13
T 14	16 2 1	1° 33' 09"	13° 4'	13° 3'	14° 40'	8° 47'	10° 55'	18° 41'	23° 24'	28° 33'	27° 57'	26° 18'	24° 59'	20° 7'	23° 29'	T 14
W 15	16 5 57	2° 30' 37"	27° 48'	14° 48'	15° 46'	8° 48'	11° 7'	18° 45'	23° 24'	28° 32'	27° 57'	26° 14'	24° 56'	20° 13'	23° 26'	W 15
T 16	16 9 54	3° 28' 04"	12° 19'	16° 37'	16° 51'	8° 48'	11° 18'	18° 49'	23° 23'	28° 30'	27° 58'	26° 11'	24° 53'	20° 20'	23° 22'	T 16
F 17	16 13 51	4° 25' 30"	26° 33'	18° 27'	17° 56'	8° 48'	11° 30'	18° 52'	23° 23'	28° 29'	27° 58'	26° 9'	24° 50'	20° 27'	23° 18'	F 17
S 18	16 17 47	5° 22' 55"	10° 27'	20° 20'	19° 1'	8° 46'	11° 41'	18° 56'	23° 23'	28° 28'	27° 59'	26° 9'	24° 46'	20° 33'	23° 15'	S 18
S 19	16 21 44	6° 20' 20"	24° 3'	22° 15'	20° 6'	8° 44'	11° 52'	18° 59'	23° 22'	28° 27'	27° 59'	26° 10'	24° 43'	20° 40'	23° 11'	S 19
M 20	16 25 40	7° 17' 44"	7° 21'	24° 12'	21° 11'	8° 41'	12° 3'	19° 2'	23° 22'	28° 25'	28° 0'	26° 11'	24° 40'	20° 47'	23° 7'	M 20
T 21	16 29 37	8° 15' 07"	20° 23'	26° 11'	22° 15'	8° 38'	12° 14'	19° 5'	23° 22'	28° 24'	28° 0'	26° 12'	24° 37'	20° 54'	23° 3'	T 21
W 22	16 33 33	9° 12' 30"	3° 10'	28° 13'	23° 19'	8° 33'	12° 25'	19° 8'	23° 22'	28° 23'	28° 1'	26° 12'	24° 34'	21° 0'	23° 0'	W 22
T 23	16 37 30	10° 9' 52"	15° 46'	0° 16'	24° 23'	8° 28'	12° 36'	19° 11'	23° 22'	28° 22'	28° 2'	26° 10'	24° 31'	21° 7'	22° 56'	T 23
F 24	16 41 26	11° 7' 14"	28° 11'	2° 21'	25° 27'	8° 22'	12° 47'	19° 14'	23° 22'	28° 21'	28° 2'	26° 6'	24° 27'	21° 14'	22° 52'	F 24
S 25	16 45 23	12° 4' 35"	10° 27'	4° 28'	26° 30'	8° 16'	12° 57'	19° 17'	23° 22'	28° 20'	28° 3'	26° 0'	24° 24'	21° 21'	22° 48'	S 25
S 26	16 49 20	13° 1' 55"	22° 35'	6° 36'	27° 33'	8° 8'	13° 8'	19° 20'	23° 22'	28° 19'	28° 4'	25° 53'	24° 21'	21° 27'	22° 44'	S 26
M 27	16 53 16	13° 59' 14"	4° 36'	8° 45'	28° 36'	8° 0'	13° 18'	19° 22'	23° 22'	28° 18'	28° 4'	25° 44'	24° 18'	21° 34'	22° 40'	M 27
T 28	16 57 13	14° 56' 33"	16° 31'	10° 56'	29° 39'	7° 51'	13° 29'	19° 25'	23° 23'	28° 17'	28° 5'	25° 35'	24° 15'	21° 41'	22° 36'	T 28
W 29	17 1 9	15° 53' 51"	28° 23'	13° 7'	0° 14'	7° 41'	13° 39'	19° 27'	23° 23'	28° 16'	28° 6'	25° 26'	24° 12'	21° 47'	22° 32'	W 29
T 30	17 5 6	16° 51' 08"	10° 15'	15° 19'	1° 43'	7° 31'	13° 49'	19° 30'	23° 23'	28° 15'	28° 7'	25° 19'	24° 8'	21° 54'	22° 28'	T 30
F 31	17 9 2	17° 48' 24"	22° 9'	17° 31'	2° 145'	7° 20'	13° 59'	19° 32'	23° 24'	28° 14'	28° 8'	25° 14'	24° 5'	22° 25'	22° 24'	F 31

Delta T = 06m01s

Julian Calendar 1 May 1465 == Greg. Calendar 10 May 1465

JUNE 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	17 12 59	18° 45' 39"	4° 17'	19° 42'	3° 146'	7° 9'	14° 9'	19° 34'	23° 24'	28° 13'	28° 9'	25° 10'	24° 2'	22° 8'	22° 20'	S 1
S 2	17 16 56	19° 42' 54"	16° 20'	21° 54'	4° 47'	6° 57'	14° 19'	19° 36'	23° 25'	28° 12'	28° 10'	25° 10'	23° 59'	22° 14'	22° 16'	S 2
M 3	17 20 52	20° 40' 08"	28° 46'	24° 4'	5° 48'	6° 44'	14° 28'	19° 38'	23° 25'	28° 11'	28° 11'	25° 9'	23° 56'	22° 21'	22° 12'	M 3
T 4	17 24 49	21° 37' 21"	11° 33'	26° 14'	6° 49'	6° 30'	14° 38'	19° 40'	23° 26'	28° 10'	28° 12'	25° 10'	23° 52'	22° 28'	22° 8'	T 4
W 5	17 28 45	22° 34' 33"	24° 44'	28° 23'	7° 49'	6° 17'	14° 47'	19° 42'	23° 27'	28° 10'	28° 13'	25° 11'	23° 49'	22° 34'	22° 4'	W 5
T 6	17 32 42	23° 31' 45"	8° 23'	0° 31'	8° 48'	6° 2'	14° 56'	19° 44'	23° 27'	28° 9'	28° 14'	25° 10'	23° 46'	22° 41'	22° 0'	T 6
F 7	17 36 38	24° 28' 56"	22° 30'	2° 37'	9° 48'	5° 47'	15° 5'	19° 45'	23° 28'	28° 8'	28° 15'	25° 7'	23° 43'	22° 48'	21° 56'	F 7
S 8	17 40 35	25° 26' 07"	7° 4'	4° 41'	10° 47'	5° 32'	15° 14'	19° 47'	23° 29'	28° 7'	28° 16'	25° 2'	23° 40'	22° 55'	21° 52'	S 8
S 9	17 44 31	26° 23' 18"	21° 59'	6° 44'	11° 45'	5° 16'	15° 23'	19° 48'	23° 30'	28° 7'	28° 17'	24° 55'	23° 37'	23° 1'	21° 48'	S 9
M 10	17 48 28	27° 20' 28"	7° 8'	8° 45'	12° 43'	5° 0'	15° 32'	19° 49'	23° 31'	28° 6'	28° 18'	24° 46'	23° 33'	23° 8'	21° 44'	M 10
T 11	17 52 25	28° 17' 38"	22° 20'	10° 44'	13° 41'	4° 44'	15° 41'	19° 50'	23° 32'	28° 5'	28° 19'	24° 37'	23° 30'	23° 15'	21° 40'	T 11
W 12	17 56 21	29° 14' 48"	7° 25'	12° 41'	14° 39'	4° 27'	15° 49'	19° 52'	23° 33'	28° 5'	28° 21'	24° 29'	23° 27'	23° 22'	21° 36'	W 12
T 13	18 0 18	0° 11' 58"	22° 13'	14° 37'	15° 35'	4° 10'	15° 58'	19° 53'	23° 34'	28° 4'	28° 22'	24° 22'	23° 24'	23° 28'	21° 32'	T 13
F 14	18 4 14	1° 9' 08"	6° 38'	16° 30'	16° 32'	3° 52'	16° 6'	19° 53'	23° 35'	28° 4'	28° 23'	24° 18'	23° 21'	23° 35'	21° 28'	F 14
S 15	18 8 11	2° 6' 18"	20° 39'	18° 21'	17° 28'	3° 35'	16° 14'	19° 54'	23° 36'	28° 3'	28° 24'	24° 15'	23° 18'	23° 42'	21° 25'	S 15
S 16	18 12 7	3° 3' 29"	4° 14'	20° 10'	18° 23'	3° 17'	16° 22'	19° 55'	23° 38'	28° 3'	28° 26'	24° 15'	23° 14'	23° 48'	21° 21'	S 16
M 17	18 16 4	4° 0' 39"	17° 25'	21° 57'	19° 18'	2° 59'	16° 30'	19° 55'	23° 39'	28° 2'	28° 27'	24° 15'	23° 11'	23° 55'	21° 17'	M 17
T 18	18 20 0	4° 57' 50"	0° 17'	23° 42'	20° 12'	2° 41'	16° 37'	19° 56'	23° 40'	28° 2'	28° 28'	24° 15'	23° 8'	24° 2'	21° 13'	T 18
W 19	18 23 57	5° 55' 02"	12° 51'	25° 25'	21° 6'	2° 23'	16° 45'	19° 56'	23° 42'	28° 1'	28° 30'	24° 14'	23° 5'	24° 9'	21° 9'	W 19
T 20	18 27 54	6° 52' 13"	25° 13'	27° 6'	22° 0'	2° 6'	16° 52'	19° 57'	23° 43'	28° 1'	28° 31'	24° 10'	23° 2'	24° 15'	21° 5'	T 20
F 21	18 31 50	7° 49' 25"	7° 26'	28° 44'	22° 52'	1° 48'	17° 0'	19° 57'	23° 45'	28° 1'	28° 32'	24° 4'	22° 58'	24° 22'	21° 2'	F 21
S 22	18 35 47	8° 46' 37"	19° 30'	0° 21'	23° 45'	1° 30'	17° 7'	19° 57'	23° 46'	28° 0'	28° 34'	23° 55'	22° 55'	24° 29'	20° 58'	S 22
S 23	18 39 43	9° 43' 50"	1° 29'	1° 56'	24° 36'	1° 13'	17° 14'	19° 57'	23° 48'	28° 0'	28° 35'	23° 43'	22° 52'	24° 36'	20° 54'	S 23
M 24	18 43 40	10° 41' 03"	13° 24'	3° 28'	25° 27'	0° 55'	17° 20'	19° 57'	23° 49'	28° 0'	28° 37'	23° 30'	22° 49'	24° 42'	20° 51'	M 24
T 25	18 47 36	11° 38' 16"	25° 17'	4° 58'	26° 17'	0° 38'	17° 27'	19° 56'	23° 51'	28° 0'	28° 38'	23° 17'	22° 46'	24° 49'	20° 47'	T 25
W 26	18 51 33	12° 35' 29"	7° 9'	6° 26'	27° 7'	0° 22'	17° 34'	19° 56'	23° 53'	27° 59'	28° 40'	23° 4'	22° 43'	24° 56'	20° 44'	W 26
T 27	18 55 30	13° 32' 42"	19° 1'	7° 53'	27° 55'	0° 5'	17° 40'	19° 56'	23° 55'	27° 59'	28° 41'	22° 52'	22° 39'	25° 2'	20° 40'	T 27
F 28	18 59 26	14° 29' 55"	0° 17'	9° 16'	28° 44'	29° 49'	17° 46'	19° 55'	23° 56'	27° 59'	28° 43'	22° 44'	22° 36'	25° 9'	20° 37'	F 28
S 29	19 3 23	15° 27' 09"	12° 57'	10° 38'	29° 31'	29° 34'	17° 52'	19° 55'	23° 58'	27° 59'	28° 44'	22° 37'	22° 33'	25° 16'	20° 33'	S 29
S 30	19 7 19	16° 24' 23"	25° 17'	11° 57'	0° 17'	29° 19'	17° 58'	19° 54'	24° 0'	27° 59'	28° 46'	22° 34'	22° 30'	25° 23'	20° 30'	S 30

Delta T = 06m01s

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1465
geocentric

JULY 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	19 11 16	17°21'36	7°32	13°15	1°3	29°R 5	18°V 3	19°R53	24°M 2	27°D59	28°L48	22°R33	22°V27	25°29	20°R26	M 1
T 2	19 15 12	18°18'50	20°15	14°29	1°48	28°R51	18° 9	19°R52	24° 4	27°D59	28°49	22°V33	22°23	25°36	20°R23	T 2
W 3	19 19 9	19°16'05	3°11	15°42	2°31	28°37	18°14	19°51	24° 6	27°59	28°51	22°32	22°20	25°43	20°20	W 3
T 4	19 23 5	20°13'19	16°54	16°51	3°14	28°25	18°19	19°50	24° 8	27°59	28°52	22°31	22°17	25°50	20°17	T 4
F 5	19 27 2	21°10'34	0°56	17°59	3°56	28°13	18°24	19°49	24°11	27°59	28°54	22°28	22°14	25°56	20°14	F 5
S 6	19 30 59	22° 7'50	15°27	19° 3	4°37	28° 1	18°29	19°47	24°13	28° 0	28°56	22°22	22°11	26° 3	20°11	S 6
S 7	19 34 55	23° 5'05	0°32	20° 5	5°17	27°51	18°34	19°46	24°15	28° 0	28°58	22°13	22° 8	26°10	20° 8	S 7
M 8	19 38 52	24° 2'22	15°36	21° 4	5°56	27°41	18°38	19°45	24°17	28° 0	28°59	22° 3	22° 4	26°16	20° 5	M 8
T 9	19 42 48	24°59'39	0°56	22° 0	6°33	27°32	18°43	19°43	24°20	28° 0	29° 1	21°52	22° 1	26°23	20° 2	T 9
W10	19 46 45	25°56'56	16°12	22°53	7°10	27°23	18°47	19°41	24°22	28° 0	29° 3	21°42	21°58	26°30	19°59	W10
T 11	19 50 41	26°54'15	1°13	23°43	7°45	27°16	18°51	19°39	24°24	28° 1	29° 5	21°34	21°55	26°37	19°56	T 11
F 12	19 54 38	27°51'34	15°51	24°30	8°19	27° 9	18°55	19°38	24°27	28° 1	29° 6	21°28	21°52	26°43	19°53	F 12
S 13	19 58 34	28°48'54	0°V 1	25°13	8°51	27° 2	18°58	19°36	24°29	28° 1	29° 8	21°25	21°49	26°50	19°51	S 13
S 14	20 2 31	29°46'15	13°41	25°52	9°23	26°57	19° 2	19°34	24°32	28° 2	29°10	21°24	21°45	26°57	19°48	S 14
M15	20 6 28	0°L43'38	26°55	26°27	9°52	26°53	19° 5	19°31	24°34	28° 2	29°12	21°24	21°42	27° 3	19°46	M15
T 16	20 10 24	1°41'02	9°B45	26°59	10°21	26°49	19° 8	19°29	24°37	28° 3	29°14	21°24	21°39	27°10	19°43	T 16
W17	20 14 21	2°38'27	22°16	27°26	10°47	26°46	19°11	19°27	24°40	28° 3	29°16	21°22	21°36	27°17	19°41	W17
T 18	20 18 17	3°35'53	4°II32	27°49	11°13	26°44	19°13	19°24	24°42	28° 4	29°17	21°19	21°33	27°24	19°39	T 18
F 19	20 22 14	4°33'21	16°37	28° 7	11°36	26°43	19°16	19°22	24°45	28° 4	29°19	21°13	21°29	27°30	19°36	F 19
S 20	20 26 10	5°30'49	28°35	28°21	11°58	26°D42	19°18	19°19	24°48	28° 5	29°21	21° 4	21°26	27°37	19°34	S 20
S 21	20 30 7	6°28'19	10°29	28°29	12°18	26°43	19°20	19°17	24°51	28° 6	29°23	20°53	21°23	27°44	19°32	S 21
M22	20 34 3	7°25'50	22°21	28°R32	12°36	26°44	19°22	19°14	24°53	28° 6	29°25	20°40	21°20	27°51	19°30	M22
T 23	20 38 0	8°23'22	4°L13	28°30	12°53	26°46	19°24	19°11	24°56	28° 7	29°27	20°27	21°17	27°57	19°28	T 23
W24	20 41 57	9°20'56	16° 6	28°23	13° 7	26°49	19°25	19° 8	24°59	28° 8	29°29	20°14	21°14	28° 4	19°27	W24
T 25	20 45 53	10°18'30	28° 3	28°11	13°20	26°53	19°26	19° 5	25° 2	28° 8	29°31	20° 3	21°10	28°11	19°25	T 25
F 26	20 49 50	11°16'06	10°M 3	27°52	13°30	26°57	19°28	19° 2	25° 5	28° 9	29°33	19°55	21° 7	28°17	19°23	F 26
S 27	20 53 46	12°13'42	22°10	27°29	13°39	27° 3	19°28	18°59	25° 8	28°10	29°35	19°49	21° 4	28°24	19°21	S 27
S 28	20 57 43	13°11'20	4°A27	27° 0	13°45	27° 9	19°29	18°56	25°11	28°11	29°37	19°45	21° 1	28°31	19°20	S 28
M29	21 1 39	14° 8'58	16°55	26°26	13°49	27°16	19°30	18°52	25°14	28°12	29°39	19°D44	20°58	28°38	19°18	M29
T 30	21 5 36	15° 6'38	29°39	25°48	13°R50	27°24	19°30	18°49	25°17	28°13	29°41	19°44	20°55	28°44	19°17	T 30
W31	21 9 32	16°L 4'19	12°M43	25°L 5	13°M50	27°R33	19°R30	18°R45	25°M20	28°L14	29°L43	19°R45	20°V51	28°251	19°R16	W31

Delta T = 06m01s Julian Calendar 1 July 1465 == Greg. Calendar 10 July 1465

AUGUST 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 13 29	17°L 2'01	26°M11	24°R19	13°R47	27°R42	19°R30	18°R42	25°M23	28°L15	29°L45	19°R45	20°V48	28°258	19°R15	T 1
F 2	21 17 26	17°59'44	10°R 4	23°L30	13°M41	27°52	19°V30	18°R38	25°27	28°16	29°47	19°V43	20°45	29° 5	19°R14	F 2
S 3	21 21 22	18°57'28	24°23	22°38	13°34	28° 3	19°29	18°35	25°30	28°17	29°49	19°R38	20°42	29°11	19°12	S 3
S 4	21 25 19	19°55'13	9°B 7	21°46	13°23	28°15	19°28	18°31	25°33	28°18	29°51	19°32	20°39	29°18	19°12	S 4
M 5	21 29 15	20°53'00	24° 9	20°53	13°11	28°28	19°28	18°27	25°36	28°19	29°53	19°24	20°35	29°25	19°11	M 5
T 6	21 33 12	21°50'47	9°A21	20° 1	12°56	28°41	19°26	18°23	25°39	28°20	29°55	19°16	20°32	29°31	19°10	T 6
W 7	21 37 8	22°48'37	24°34	19°12	12°39	28°55	19°25	18°19	25°43	28°21	29°57	19° 8	20°29	29°38	19° 9	W 7
T 8	21 41 5	23°46'27	9°R35	18°25	12°19	29° 9	19°24	18°16	25°46	28°22	29°59	19° 1	20°26	29°45	19° 9	T 8
F 9	21 45 1	24°44'19	24°17	17°42	11°57	29°24	19°22	18°12	25°49	28°23	0°M 1	18°56	20°23	29°52	19° 8	F 9
S 10	21 48 58	25°42'13	8°V33	17° 4	11°33	29°40	19°20	18° 7	25°53	28°25	0° 3	18°54	20°20	29°58	19° 8	S 10
S 11	21 52 55	26°40'09	22°20	16°32	11° 7	29°57	19°18	18° 3	25°56	28°26	0° 5	18°D54	20°16	0°L 5	19° 7	S 11
M12	21 56 51	27°38'06	5°B40	16° 7	10°39	0°B14	19°16	17°59	26° 0	28°27	0° 7	18°54	20°13	0°12	19° 7	M12
T 13	22 0 48	28°36'06	18°35	15°50	10°10	0°32	19°13	17°55	26° 3	28°28	0° 9	18°55	20°10	0°18	19° 7	T 13
W14	22 4 44	29°34'07	1°II 8	15°39	9°38	0°50	19°11	17°51	26° 7	28°30	0°11	18°R56	20° 7	0°25	19° 7	W14
T 15	22 8 41	0°M32'11	13°24	15°D38	9° 6	1° 9	19° 8	17°46	26°10	28°31	0°13	18°55	20° 4	0°32	19°D 7	T 15
F 16	22 12 37	1°30'16	25°27	15°44	8°32	1°28	19° 5	17°42	26°14	28°33	0°15	18°52	20° 1	0°39	19° 7	F 16
S 17	22 16 34	2°28'23	7°23	15°59	7°57	1°49	19° 2	17°38	26°17	28°34	0°17	18°47	19°57	0°45	19° 7	S 17
S 18	22 20 30	3°26'33	19°16	16°23	7°21	2° 9	18°58	17°33	26°21	28°35	0°19	18°40	19°54	0°52	19° 7	S 18
M19	22 24 27	4°24'44	1°L 7	16°55	6°44	2°31	18°54	17°29	26°24	28°37	0°21	18°33	19°51	0°59	19° 8	M19
T 20	22 28 24	5°22'57	13° 1	17°35	6° 7	2°52	18°51	17°25	26°28	28°38	0°23	18°24	19°48	1° 6	19° 8	T 20
W21	22 32 20	6°21'12	24°59	18°24	5°30	3°15	18°47	17°20	26°31	28°40	0°26	18°16	19°45	1°12	19° 9	W21
T 22	22 36 17	7°19'28	7°M 2	19°19	4°53	3°38	18°43	17°15	26°35	28°41	0°28	18°10	19°41	1°19	19° 9	T 22
F 23	22 40 13	8°17'47	19°13	20°23	4°17	4° 1	18°38	17°11	26°39	28°43	0°30	18° 4	19°38	1°26	19°10	F 23
S 24	22 44 10	9°16'07	1°A33	21°33	3°41	4°25	18°34	17° 6	26°42	28°45	0°32	18° 1	19°35	1°32	19°11	S 24
S 25	22 48 6	10°14'29	14° 2	22°49	3° 6	4°50	18°29	17° 2	26°46	28°46	0°34	18°D 0	19°32	1°39	19°12	S 25
M26	22 52 3	11°12'53	26°43	24°11	2°31	5°14	18°24	16°57	26°50	28°48	0°36	18° 0	19°29	1°46	19°13	M26
T 27	22 55 59	12°11'18	9°M38	25°38	1°58	5°40	18°19	16°53	26°53	28°49	0°38	18° 1	19°26	1°53	19°14	T 27
W28	22 59 56	13° 9'45	22°48	27°10	1°27	6° 6	18°14	16°48	26°57	28°51	0°40	18° 3	19°22	1°59	19°15	W28
T 29	23 3 53	14° 8'14	6°R17	28°45	0°56	6°32	18° 8	16°43	27° 1	28°53	0°42	18° 4	19°19	2° 6	19°16	T 29
F 30	23 7 49	15° 6'44	20° 5	0°M24	0°28	6°59	18° 3	16°39	27° 4	28°55	0°44	18°R 4	19°16	2°13	19°17	F 30
S 31	23 11 46	16°M 5'16	4°B13	2°M 6	0°M 2	7°B26	17°V57	16°R34	27°M 8	28°L56	0°M46	18°V 3	19°V13	2°L19	19°R19	S 31

Delta T = 06m01s Julian Calendar

ASTRODIENST EPHEMERIS for the year 1465

geocentric

SEPTEMBER 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 15 42	17°17'35"	18°39'39"	3°17'51"	29°18'37"	7°35'54"	17°18'51"	16°18'29"	27°17'12"	28°18'58"	0°17'48"	18°18'00"	19°17'10"	2°18'26"	19°17'20"	S 1
M 2	23 19 39	18° 2'25"	3°38'20"	5°37'37"	29°18'15"	8°22'22"	17°17'45"	16°16'25"	27°16'16"	29° 0'00"	0°50'50"	17°17'57"	19° 7'07"	2°33'33"	19°22'22"	M 2
T 3	23 23 35	19° 1'03"	18°11'11"	7°25'25"	28°55'55"	8°50'50"	17°39'39"	16°20'20"	27°19'19"	29° 2'02"	0°52'52"	17°52'52"	19° 3'03"	2°40'40"	19°23'23"	T 3
W 4	23 27 32	19°59'41"	3°38' 4"	9°14'14"	28°37'37"	9°19'19"	17°33'33"	16°16'16"	27°23'23"	29° 3'03"	0°54'54"	17°49'49"	19° 0'00"	2°46'46"	19°25'25"	W 4
T 5	23 31 28	20°58'22"	17°50'50"	11° 4'04"	28°21'21"	9°48'48"	17°27'27"	16°11'11"	27°27'27"	29° 5'05"	0°56'56"	17°45'45"	18°57'57"	2°53'53"	19°27'27"	T 5
F 6	23 35 25	21°57'04"	2°17'23"	12°54'54"	28° 8'08"	10°18'18"	17°20'20"	16° 6'06"	27°31'31"	29° 7'07"	0°58'58"	17°43'43"	18°54'54"	3° 0'00"	19°29'29"	F 6
S 7	23 39 22	22°55'49"	16°35'35"	14°45'45"	27°58'58"	10°47'47"	17°14'14"	16° 2'02"	27°34'34"	29° 9'09"	1° 0'00"	17°D43"	18°51'51"	3° 6'06"	19°31'31"	S 7
S 8	23 43 18	23°54'36"	0°8'23"	16°36'36"	27°50'50"	11°18'18"	17° 7'07"	15°57'57"	27°38'38"	29°11'11"	1° 1'01"	17°43'43"	18°47'47"	3°13'13"	19°33'33"	S 8
M 9	23 47 15	24°53'25"	13°46'46"	18°26'26"	27°44'44"	11°48'48"	17° 0'00"	15°53'53"	27°42'42"	29°13'13"	1° 3'03"	17°44'44"	18°44'44"	3°20'20"	19°35'35"	M 9
T 10	23 51 11	25°52'16"	26°45'45"	20°16'16"	27°41'41"	12°19'19"	16°53'53"	15°48'48"	27°46'46"	29°15'15"	1° 5'05"	17°46'46"	18°41'41"	3°27'27"	19°37'37"	T 10
W 11	23 55 8	26°51'10"	9°11'23"	22° 6'06"	27°D40"	12°50'50"	16°46'46"	15°44'44"	27°49'49"	29°17'17"	1° 7'07"	17°47'47"	18°38'38"	3°33'33"	19°40'40"	W 11
T 12	23 59 4	27°50'06"	21°42'42"	23°56'56"	27°41'41"	13°22'22"	16°38'38"	15°39'39"	27°53'53"	29°19'19"	1° 9'09"	17°48'48"	18°35'35"	3°40'40"	19°42'42"	T 12
F 13	0 3 1	28°49'04"	3°38'48"	25°44'44"	27°45'45"	13°54'54"	16°31'31"	15°35'35"	27°57'57"	29°21'21"	1°11'11"	17°R48"	18°32'32"	3°47'47"	19°45'45"	F 13
S 14	0 6 57	29°48'05"	15°44'44"	27°32'32"	27°51'51"	14°26'26"	16°24'24"	15°30'30"	28° 1'01"	29°23'23"	1°13'13"	17°47'47"	18°28'28"	3°53'53"	19°47'47"	S 14
S 15	0 10 54	0°47'08"	27°37'37"	29°20'20"	28° 0'00"	14°58'58"	16°16'16"	15°26'26"	28° 5'05"	29°25'25"	1°15'15"	17°46'46"	18°25'25"	4° 0'00"	19°50'50"	S 15
M 16	0 14 51	1°46'13"	9°12'29"	1°46' 6"	28°10'10"	15°31'31"	16° 9'09"	15°21'21"	28° 8'08"	29°27'27"	1°16'16"	17°44'44"	18°22'22"	4° 7'07"	19°53'53"	M 16
T 17	0 18 47	2°45'21"	21°25'25"	2°52'52"	28°23'23"	16° 4'04"	16° 1'01"	15°17'17"	28°12'12"	29°29'29"	1°18'18"	17°41'41"	18°19'19"	4°14'14"	19°55'55"	T 17
W 18	0 22 44	3°44'30"	3°17'30"	4°37'37"	28°38'38"	16°38'38"	15°53'53"	15°13'13"	28°16'16"	29°31'31"	1°20'20"	17°39'39"	18°16'16"	4°20'20"	19°58'58"	W 18
T 19	0 26 40	4°43'42"	15°40'40"	6°21'21"	28°55'55"	17°11'11"	15°45'45"	15° 9'09"	28°20'20"	29°33'33"	1°22'22"	17°37'37"	18°13'13"	4°27'27"	20° 1'01"	T 19
F 20	0 30 37	5°42'56"	28° 4'04"	8° 5'05"	29°13'13"	17°45'45"	15°38'38"	15° 4'04"	28°23'23"	29°35'35"	1°24'24"	17°36'36"	18° 9'09"	4°34'34"	20° 4'04"	F 20
S 21	0 34 33	6°42'12"	10°42'40"	9°47'47"	29°34'34"	18°19'19"	15°30'30"	15° 0'00"	28°27'27"	29°37'37"	1°25'25"	17°35'35"	18° 6'06"	4°41'41"	20° 7'07"	S 21
S 22	0 38 30	7°41'30"	23°28'28"	11°29'29"	29°57'57"	18°54'54"	15°22'22"	14°56'56"	28°31'31"	29°39'39"	1°27'27"	17°D35"	18° 3'03"	4°47'47"	20°11'11"	S 22
M 23	0 42 26	8°40'51"	6°18'30"	13°10'10"	0°17'21"	19°28'28"	15°14'14"	14°52'52"	28°35'35"	29°41'41"	1°29'29"	17°36'36"	18° 0'00"	4°54'54"	20°14'14"	M 23
T 24	0 46 23	9°40'13"	9°40'13"	14°50'50"	0°47'47"	20° 3'03"	15° 6'06"	14°48'48"	28°38'38"	29°43'43"	1°31'31"	17°36'36"	17°57'57"	5° 1'01"	20°17'17"	T 24
W 25	0 50 19	10°39'37"	3°17'14"	16°30'30"	1°15'15"	20°38'38"	14°58'58"	14°44'44"	28°42'42"	29°46'46"	1°32'32"	17°37'37"	17°53'53"	5° 7'07"	20°21'21"	W 25
T 26	0 54 16	11°39'03"	16°55'55"	18° 9'09"	1°44'44"	21°14'14"	14°50'50"	14°40'40"	28°46'46"	29°48'48"	1°34'34"	17°38'38"	17°50'50"	5°14'14"	20°24'24"	T 26
F 27	0 58 13	12°38'31"	0°38'48"	19°47'47"	2°15'15"	21°49'49"	14°41'41"	14°36'36"	28°50'50"	29°50'50"	1°36'36"	17°38'38"	17°47'47"	5°21'21"	20°28'28"	F 27
S 28	1 2 9	13°38'00"	14°52'52"	21°24'24"	2°47'47"	22°25'25"	14°33'33"	14°33'33"	28°53'53"	29°52'52"	1°37'37"	17°R38"	17°44'44"	5°28'28"	20°31'31"	S 28
S 29	1 6 6	14°37'32"	29° 6'06"	23° 1'01"	3°21'21"	23° 1'01"	14°25'25"	14°29'29"	28°57'57"	29°54'54"	1°39'39"	17°38'38"	17°41'41"	5°34'34"	20°35'35"	S 29
M 30	1 10 2	15°37'05"	13°38'26"	24°37'37"	3°17'56"	23°38'38"	14°17'17"	14°18'18"	29°11'11"	29°56'56"	1°40'40"	17°Y38"	17°Y38"	5°41'41"	20°39'39"	M 30

Delta T = 06m01s

Julian Calendar 1 Sept. 1465 == Greg. Calendar 10 Sept. 1465

OCTOBER 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	1 13 59	16♂36'39	27≈51	26♂13	4♂32	24♂14	14°R 9	14°R22	29♂ 4	29♂59	1♂42	17°R38	17°Y34	5♂48	20♂43	T 1
W 2	1 17 55	17°36'16	12♂16	27°47	5°10	24°51	14°Y 1	14♂18	29° 8	0♂ 1	1°44	17°D38	17°31	5°54	20°46	W 2
T 3	1 21 52	18°35'54	26°35	29°22	5°49	25°27	13°53	14°15	29°12	0° 3	1°45	17°Y38	17°28	6° 1	20°50	T 3
F 4	1 25 48	19°35'34	10°Y45	0♂55	6°29	26° 4	13°45	14°12	29°15	0° 5	1°47	17°R38	17°25	6° 8	20°54	F 4
S 5	1 29 45	20°35'16	24°41	2°28	7°10	26°42	13°37	14° 8	29°19	0° 7	1°48	17°38	17°22	6°15	20°59	S 5
S 6	1 33 42	21°35'01	8♂19	4° 1	7°53	27°19	13°29	14° 5	29°22	0°10	1°50	17°37	17°18	6°21	21° 3	S 6
M 7	1 37 38	22°34'47	21°37	5°32	8°36	27°56	13°21	14° 2	29°26	0°12	1°51	17°37	17°15	6°28	21° 7	M 7
T 8	1 41 35	23°34'35	4♂35	7° 4	9°21	28°34	13°13	13°59	29°30	0°14	1°52	17°36	17°12	6°35	21°11	T 8
W 9	1 45 31	24°34'26	17°14	8°34	10° 6	29°12	13° 5	13°56	29°33	0°16	1°54	17°35	17° 9	6°41	21°16	W 9
T 10	1 49 28	25°34'19	29°35	10° 5	10°53	29°50	12°57	13°53	29°37	0°19	1°55	17°35	17° 6	6°48	21°20	T 10
F 11	1 53 24	26°34'14	11♂43	11°34	11°40	0≈28	12°50	13°50	29°40	0°21	1°57	17°34	17° 3	6°55	21°25	F 11
S 12	1 57 21	27°34'12	23°41	13° 3	12°28	1° 6	12°42	13°48	29°44	0°23	1°58	17°D33	16°59	7° 2	21°29	S 12
S 13	2 1 17	28°34'11	5♂34	14°32	13°18	1°45	12°35	13°45	29°47	0°25	1°59	17°34	16°56	7° 8	21°34	S 13
M 14	2 5 14	29°34'13	17°27	16° 0	14° 8	2°23	12°27	13°43	29°50	0°28	2° 0	17°34	16°53	7°15	21°38	M 14
T 15	2 9 11	0♂34'17	29°23	17°27	14°58	3° 2	12°20	13°40	29°54	0°30	2° 2	17°35	16°50	7°22	21°43	T 15
W 16	2 13 7	1°34'22	11♂29	18°54	15°50	3°41	12°13	13°38	29°57	0°32	2° 3	17°36	16°47	7°28	21°48	W 16
T 17	2 17 4	2°34'30	23°47	20°20	16°42	4°20	12° 6	13°36	0♂ 1	0°34	2° 4	17°38	16°44	7°35	21°53	T 17
F 18	2 21 0	3°34'40	6♂20	21°45	17°35	4°59	11°59	13°33	0° 4	0°37	2° 5	17°39	16°40	7°42	21°58	F 18
S 19	2 24 57	4°34'52	19°11	23°10	18°29	5°38	11°52	13°31	0° 7	0°39	2° 6	17°R39	16°37	7°49	22° 2	S 19
S 20	2 28 53	5°35'06	2♂20	24°34	19°24	6°18	11°45	13°29	0°10	0°41	2° 8	17°38	16°34	7°55	22° 7	S 20
M 21	2 32 50	6°35'22	15°47	25°57	20°19	6°57	11°38	13°27	0°14	0°43	2° 9	17°37	16°31	8° 2	22°13	M 21
T 22	2 36 46	7°35'39	29°29	27°20	21°14	7°37	11°32	13°26	0°17	0°46	2°10	17°34	16°28	8° 9	22°18	T 22
W 23	2 40 43	8°35'59	13♂25	28°41	22°10	8°17	11°25	13°24	0°20	0°48	2°11	17°31	16°24	8°15	22°23	W 23
T 24	2 44 40	9°36'20	27°30	0♂ 1	23° 7	8°57	11°19	13°22	0°23	0°50	2°12	17°28	16°21	8°22	22°28	T 24
F 25	2 48 36	10°36'42	11♂41	1°20	24° 4	9°37	11°13	13°21	0°26	0°52	2°13	17°26	16°18	8°29	22°33	F 25
S 26	2 52 33	11°37'06	25°54	2°38	25° 2	10°17	11° 7	13°20	0°29	0°54	2°14	17°24	16°15	8°36	22°38	S 26
S 27	2 56 29	12°37'31	10≈ 6	3°55	26° 1	10°57	11° 1	13°18	0°33	0°57	2°15	17°D23	16°12	8°42	22°44	S 27
M 28	3 0 26	13°37'57	24°16	5° 9	27° 0	11°37	10°55	13°17	0°36	0°59	2°16	17°23	16° 9	8°49	22°49	M 28
T 29	3 4 22	14°38'25	8♂20	6°22	27°59	12°17	10°50	13°16	0°39	1° 1	2°16	17°24	16° 5	8°56	22°55	T 29
W 30	3 8 19	15°38'54	22°19	7°33	28°59	12°58	10°45	13°15	0°41	1° 3	2°17	17°26	16° 2	9° 2	23° 0	W 30
T 31	3 12 15	16♂39'24	6°Y10	8♂42	29♂59	13≈38	10°Y39	13♂14	0♂44	1♂ 5	2♂18	17°Y27	15°Y59	9♂ 9	23♂ 6	T 31

ASTRODIENST EPHEMERIS for the year 1465

geocentric

NOVEMBER 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	3 16 12	17 ¹¹ 39'56	19 ¹¹ 51	9 ¹¹ 48	1 ¹¹ 0	14 ¹¹ 19	10 ¹¹ R34	13 ¹¹ R14	0 ¹¹ 47	1 ¹¹ 8	2 ¹¹ 19	17 ¹¹ R28	15 ¹¹ Y56	9 ¹¹ 16	23 ¹¹ 11	F 1
S 2	3 20 9	18 ¹¹ 40'29	3 ¹¹ 22	10 ¹¹ 51	2 ¹¹ 1	15 ¹¹ 0	10 ¹¹ Y30	13 ¹¹ Y13	0 ¹¹ 50	1 ¹¹ 10	2 ¹¹ 20	17 ¹¹ Y27	15 ¹¹ 53	9 ¹¹ 23	23 ¹¹ 17	S 2
S 3	3 24 5	19 ¹¹ 41'04	16 ¹¹ 40	11 ¹¹ 51	3 ¹¹ 3	15 ¹¹ 40	10 ¹¹ 25	13 ¹¹ 12	0 ¹¹ 53	1 ¹¹ 12	2 ¹¹ 20	17 ¹¹ 24	15 ¹¹ 50	9 ¹¹ 29	23 ¹¹ 22	S 3
M 4	3 28 2	20 ¹¹ 41'40	29 ¹¹ 43	12 ¹¹ 47	4 ¹¹ 4	16 ¹¹ 21	10 ¹¹ 21	13 ¹¹ 12	0 ¹¹ 56	1 ¹¹ 14	2 ¹¹ 21	17 ¹¹ 20	15 ¹¹ 46	9 ¹¹ 36	23 ¹¹ 28	M 4
T 5	3 31 58	21 ¹¹ 42'17	12 ¹¹ 32	13 ¹¹ 39	5 ¹¹ 7	17 ¹¹ 2	10 ¹¹ 16	13 ¹¹ 12	0 ¹¹ 58	1 ¹¹ 16	2 ¹¹ 22	17 ¹¹ 14	15 ¹¹ 43	9 ¹¹ 43	23 ¹¹ 34	T 5
W 6	3 35 55	22 ¹¹ 42'57	25 ¹¹ 6	14 ¹¹ 26	6 ¹¹ 10	17 ¹¹ 43	10 ¹¹ 12	13 ¹¹ 12	1 ¹¹ 1	1 ¹¹ 18	2 ¹¹ 22	17 ¹¹ 7	15 ¹¹ 40	9 ¹¹ 49	23 ¹¹ 39	W 6
T 7	3 39 51	23 ¹¹ 43'37	7 ¹¹ 26	15 ¹¹ 7	7 ¹¹ 13	18 ¹¹ 24	10 ¹¹ 8	13 ¹¹ D11	1 ¹¹ 4	1 ¹¹ 21	2 ¹¹ 23	17 ¹¹ 1	15 ¹¹ 37	9 ¹¹ 56	23 ¹¹ 45	T 7
F 8	3 43 48	24 ¹¹ 44'20	19 ¹¹ 33	15 ¹¹ 42	8 ¹¹ 16	19 ¹¹ 5	10 ¹¹ 5	13 ¹¹ 11	1 ¹¹ 6	1 ¹¹ 23	2 ¹¹ 24	16 ¹¹ 55	15 ¹¹ 34	10 ¹¹ 3	23 ¹¹ 51	F 8
S 9	3 47 44	25 ¹¹ 45'04	1 ¹¹ 31	16 ¹¹ 11	9 ¹¹ 20	19 ¹¹ 46	10 ¹¹ 1	13 ¹¹ 12	1 ¹¹ 9	1 ¹¹ 25	2 ¹¹ 24	16 ¹¹ 50	15 ¹¹ 30	10 ¹¹ 10	23 ¹¹ 57	S 9
S 10	3 51 41	26 ¹¹ 45'49	13 ¹¹ 23	16 ¹¹ 31	10 ¹¹ 24	20 ¹¹ 28	9 ¹¹ 58	13 ¹¹ 12	1 ¹¹ 12	1 ¹¹ 27	2 ¹¹ 25	16 ¹¹ 47	15 ¹¹ 27	10 ¹¹ 16	24 ¹¹ 3	S 10
M 11	3 55 38	27 ¹¹ 46'36	25 ¹¹ 14	16 ¹¹ 43	11 ¹¹ 29	21 ¹¹ 9	9 ¹¹ 55	13 ¹¹ 12	1 ¹¹ 14	1 ¹¹ 29	2 ¹¹ 25	16 ¹¹ D46	15 ¹¹ 24	10 ¹¹ 23	24 ¹¹ 9	M 11
T 12	3 59 34	28 ¹¹ 47'24	7 ¹¹ 9	16 ¹¹ R46	12 ¹¹ 33	21 ¹¹ 50	9 ¹¹ 52	13 ¹¹ 13	1 ¹¹ 17	1 ¹¹ 31	2 ¹¹ 26	16 ¹¹ 47	15 ¹¹ 21	10 ¹¹ 30	24 ¹¹ 14	T 12
W 13	4 3 31	29 ¹¹ 48'14	19 ¹¹ 13	16 ¹¹ 39	13 ¹¹ 38	22 ¹¹ 32	9 ¹¹ 49	13 ¹¹ 13	1 ¹¹ 19	1 ¹¹ 33	2 ¹¹ 26	16 ¹¹ 48	15 ¹¹ 18	10 ¹¹ 36	24 ¹¹ 20	W 13
T 14	4 7 27	0 ¹¹ 49'06	1 ¹¹ 31	16 ¹¹ 21	14 ¹¹ 44	23 ¹¹ 13	9 ¹¹ 46	13 ¹¹ 14	1 ¹¹ 21	1 ¹¹ 35	2 ¹¹ 26	16 ¹¹ 49	15 ¹¹ 15	10 ¹¹ 43	24 ¹¹ 26	T 14
F 15	4 11 24	1 ¹¹ 49'59	14 ¹¹ 7	15 ¹¹ 53	15 ¹¹ 49	23 ¹¹ 55	9 ¹¹ 44	13 ¹¹ 14	1 ¹¹ 24	1 ¹¹ 37	2 ¹¹ 27	16 ¹¹ R50	15 ¹¹ 11	10 ¹¹ 50	24 ¹¹ 32	F 15
S 16	4 15 20	2 ¹¹ 50'53	27 ¹¹ 6	15 ¹¹ 13	16 ¹¹ 55	24 ¹¹ 36	9 ¹¹ 42	13 ¹¹ 15	1 ¹¹ 26	1 ¹¹ 39	2 ¹¹ 27	16 ¹¹ 50	15 ¹¹ 8	10 ¹¹ 56	24 ¹¹ 38	S 16
S 17	4 19 17	3 ¹¹ 51'48	10 ¹¹ 28	14 ¹¹ 22	18 ¹¹ 2	25 ¹¹ 18	9 ¹¹ 40	13 ¹¹ 16	1 ¹¹ 28	1 ¹¹ 41	2 ¹¹ 27	16 ¹¹ 47	15 ¹¹ 5	11 ¹¹ 3	24 ¹¹ 44	S 17
M 18	4 23 13	4 ¹¹ 52'45	24 ¹¹ 15	13 ¹¹ 21	19 ¹¹ 8	26 ¹¹ 0	9 ¹¹ 38	13 ¹¹ 17	1 ¹¹ 30	1 ¹¹ 43	2 ¹¹ 28	16 ¹¹ 43	15 ¹¹ 2	11 ¹¹ 10	24 ¹¹ 51	M 18
T 19	4 27 10	5 ¹¹ 53'43	8 ¹¹ 23	12 ¹¹ 12	20 ¹¹ 15	26 ¹¹ 41	9 ¹¹ 37	13 ¹¹ 19	1 ¹¹ 33	1 ¹¹ 45	2 ¹¹ 28	16 ¹¹ 36	14 ¹¹ 59	11 ¹¹ 17	24 ¹¹ 57	T 19
W 20	4 31 7	6 ¹¹ 54'42	22 ¹¹ 48	10 ¹¹ 55	21 ¹¹ 22	27 ¹¹ 23	9 ¹¹ 36	13 ¹¹ 20	1 ¹¹ 35	1 ¹¹ 47	2 ¹¹ 28	16 ¹¹ 28	14 ¹¹ 56	11 ¹¹ 23	25 ¹¹ 3	W 20
T 21	4 35 3	7 ¹¹ 55'42	7 ¹¹ 23	9 ¹¹ 34	22 ¹¹ 29	28 ¹¹ 5	9 ¹¹ 34	13 ¹¹ 21	1 ¹¹ 37	1 ¹¹ 49	2 ¹¹ 28	16 ¹¹ 19	14 ¹¹ 52	11 ¹¹ 30	25 ¹¹ 9	T 21
F 22	4 39 0	8 ¹¹ 56'42	22 ¹¹ 1	8 ¹¹ 11	23 ¹¹ 36	28 ¹¹ 47	9 ¹¹ 34	13 ¹¹ 23	1 ¹¹ 39	1 ¹¹ 51	2 ¹¹ 28	16 ¹¹ 11	14 ¹¹ 49	11 ¹¹ 37	25 ¹¹ 15	F 22
S 23	4 42 56	9 ¹¹ 57'44	6 ¹¹ 35	6 ¹¹ 49	24 ¹¹ 44	29 ¹¹ 29	9 ¹¹ 33	13 ¹¹ 24	1 ¹¹ 41	1 ¹¹ 53	2 ¹¹ 28	16 ¹¹ 5	14 ¹¹ 46	11 ¹¹ 43	25 ¹¹ 21	S 23
S 24	4 46 53	10 ¹¹ 58'46	21 ¹¹ 0	5 ¹¹ 31	25 ¹¹ 51	0 ¹¹ 11	9 ¹¹ 32	13 ¹¹ 26	1 ¹¹ 43	1 ¹¹ 54	2 ¹¹ 28	16 ¹¹ 0	14 ¹¹ 43	11 ¹¹ 50	25 ¹¹ 27	S 24
M 25	4 50 49	11 ¹¹ 59'48	5 ¹¹ 12	4 ¹¹ 18	26 ¹¹ 59	0 ¹¹ 52	9 ¹¹ 32	13 ¹¹ 28	1 ¹¹ 44	1 ¹¹ 56	2 ¹¹ 28	15 ¹¹ 59	14 ¹¹ 40	11 ¹¹ 57	25 ¹¹ 34	M 25
T 26	4 54 46	13 ¹¹ 0'51	19 ¹¹ 10	3 ¹¹ 14	28 ¹¹ 7	1 ¹¹ 34	9 ¹¹ D32	13 ¹¹ 30	1 ¹¹ 46	1 ¹¹ 58	2 ¹¹ R28	15 ¹¹ D59	14 ¹¹ 36	12 ¹¹ 4	25 ¹¹ 40	T 26
W 27	4 58 43	14 ¹¹ 1'54	2 ¹¹ Y54	2 ¹¹ 20	29 ¹¹ 16	2 ¹¹ 17	9 ¹¹ 32	13 ¹¹ 32	1 ¹¹ 48	2 ¹¹ 0	2 ¹¹ 28	15 ¹¹ 59	14 ¹¹ 33	12 ¹¹ 10	25 ¹¹ 46	W 27
T 28	5 2 39	15 ¹¹ 2'58	16 ¹¹ 24	1 ¹¹ 36	0 ¹¹ M24	2 ¹¹ 59	9 ¹¹ 33	13 ¹¹ 34	1 ¹¹ 50	2 ¹¹ 2	2 ¹¹ 28	16 ¹¹ R0	14 ¹¹ 30	12 ¹¹ 17	25 ¹¹ 52	T 28
F 29	5 6 36	16 ¹¹ 4'02	29 ¹¹ 41	1 ¹¹ 4	1 ¹¹ 33	3 ¹¹ 41	9 ¹¹ 33	13 ¹¹ 36	1 ¹¹ 51	2 ¹¹ 3	2 ¹¹ 28	15 ¹¹ 59	14 ¹¹ 27	12 ¹¹ 24	25 ¹¹ 59	F 29
S 30	5 10 32	17 ¹¹ 5'06	12 ¹¹ 47	0 ¹¹ 42	2 ¹¹ M42	4 ¹¹ 23	9 ¹¹ Y34	13 ¹¹ Y39	1 ¹¹ 53	2 ¹¹ M5	2 ¹¹ 28	15 ¹¹ Y56	14 ¹¹ Y24	12 ¹¹ 430	26 ¹¹ 5	S 30

Delta T = 06m00s

Julian Calendar 1 Nov. 1465 == Greg. Calendar 10 Nov. 1465

DECEMBER 1465 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 14 29	18 ¹¹ 6'11	25 ¹¹ 42	0 ¹¹ R31	3 ¹¹ M51	5 ¹¹ Y5	9 ¹¹ Y35	13 ¹¹ Y41	1 ¹¹ 54	2 ¹¹ M7	2 ¹¹ R28	15 ¹¹ R50	14 ¹¹ Y21	12 ¹¹ 137	26 ¹¹ 11	S 1
M 2	5 18 25	19 ¹¹ 7'17	8 ¹¹ 26	0 ¹¹ D31	5 ¹¹ 0	5 ¹¹ 47	9 ¹¹ 36	13 ¹¹ 44	1 ¹¹ 56	2 ¹¹ 8	2 ¹¹ 28	15 ¹¹ Y41	14 ¹¹ 17	12 ¹¹ 44	26 ¹¹ 17	M 2
T 3	5 22 22	20 ¹¹ 8'23	21 ¹¹ 0	0 ¹¹ 40	6 ¹¹ 10	6 ¹¹ 29	9 ¹¹ 38	13 ¹¹ 46	1 ¹¹ 57	2 ¹¹ 10	2 ¹¹ 28	15 ¹¹ 30	14 ¹¹ 14	12 ¹¹ 51	26 ¹¹ 24	T 3
W 4	5 26 18	21 ¹¹ 9'30	3 ¹¹ 22	0 ¹¹ 58	7 ¹¹ 19	7 ¹¹ 11	9 ¹¹ 39	13 ¹¹ 49	1 ¹¹ 59	2 ¹¹ 12	2 ¹¹ 27	15 ¹¹ 17	14 ¹¹ 11	12 ¹¹ 57	26 ¹¹ 30	W 4
T 5	5 30 15	22 ¹¹ 10'37	15 ¹¹ 35	1 ¹¹ 23	8 ¹¹ 29	7 ¹¹ 54	9 ¹¹ 41	13 ¹¹ 52	2 ¹¹ 0	2 ¹¹ 13	2 ¹¹ 27	15 ¹¹ 4	14 ¹¹ 8	13 ¹¹ 4	26 ¹¹ 36	T 5
F 6	5 34 12	23 ¹¹ 11'45	27 ¹¹ 38	1 ¹¹ 56	9 ¹¹ 39	8 ¹¹ 36	9 ¹¹ 43	13 ¹¹ 55	2 ¹¹ 1	2 ¹¹ 15	2 ¹¹ 27	14 ¹¹ 52	14 ¹¹ 5	13 ¹¹ 11	26 ¹¹ 43	F 6
S 7	5 38 8	24 ¹¹ 12'53	9 ¹¹ 24	2 ¹¹ 36	10 ¹¹ 49	9 ¹¹ 18	9 ¹¹ 45	13 ¹¹ 58	2 ¹¹ 3	2 ¹¹ 16	2 ¹¹ 26	14 ¹¹ 42	14 ¹¹ 2	13 ¹¹ 17	26 ¹¹ 49	S 7
S 8	5 42 5	25 ¹¹ 14'02	21 ¹¹ 24	3 ¹¹ 21	11 ¹¹ 59	10 ¹¹ 0	9 ¹¹ 48	14 ¹¹ 1	2 ¹¹ 4	2 ¹¹ 18	2 ¹¹ 26	14 ¹¹ 34	13 ¹¹ 58	13 ¹¹ 24	26 ¹¹ 55	S 8
M 9	5 46 1	26 ¹¹ 15'11	3 ¹¹ 13	4 ¹¹ 11	13 ¹¹ 9	10 ¹¹ 42	9 ¹¹ 51	14 ¹¹ 4	2 ¹¹ 5	2 ¹¹ 20	2 ¹¹ 26	14 ¹¹ 28	13 ¹¹ 55	13 ¹¹ 31	27 ¹¹ 2	M 9
T 10	5 49 58	27 ¹¹ 16'21	15 ¹¹ 6	5 ¹¹ 6	14 ¹¹ 19	11 ¹¹ 25	9 ¹¹ 53	14 ¹¹ 7	2 ¹¹ 6	2 ¹¹ 21	2 ¹¹ 25	14 ¹¹ 26	13 ¹¹ 52	13 ¹¹ 37	27 ¹¹ 8	T 10
W 11	5 53 54	28 ¹¹ 17'31	27 ¹¹ 6	6 ¹¹ 4	15 ¹¹ 30	12 ¹¹ 7	9 ¹¹ 56	14 ¹¹ 11	2 ¹¹ 7	2 ¹¹ 22	2 ¹¹ 25	14 ¹¹ D25	13 ¹¹ 49	13 ¹¹ 44	27 ¹¹ 14	W 11
T 12	5 57 51	29 ¹¹ 18'42	9 ¹¹ 20	7 ¹¹ 7	16 ¹¹ 41	12 ¹¹ 49	10 ¹¹ 0	14 ¹¹ 14	2 ¹¹ 8	2 ¹¹ 24	2 ¹¹ 24	14 ¹¹ R25	13 ¹¹ 46	13 ¹¹ 51	27 ¹¹ 20	T 12
F 13	6 1 47	0 ¹¹ 19'53	21 ¹¹ 53	8 ¹¹ 12	17 ¹¹ 51	13 ¹¹ 32	10 ¹¹ 3	14 ¹¹ 18	2 ¹¹ 9	2 ¹¹ 25	2 ¹¹ 24	14 ¹¹ 25	13 ¹¹ 42	13 ¹¹ 58	27 ¹¹ 27	F 13
S 14	6 5 44	1 ¹¹ 21'04	4 ¹¹ M50	9 ¹¹ 20	19 ¹¹ 2	14 ¹¹ 14	10 ¹¹ 7	14 ¹¹ 22	2 ¹¹ 10	2 ¹¹ 27	2 ¹¹ 23	14 ¹¹ 24	13 ¹¹ 39	14 ¹¹ 4	27 ¹¹ 33	S 14
S 15	6 9 41	2 ¹¹ 22'16	18 ¹¹ 14	10 ¹¹ 30	20 ¹¹ 13	14 ¹¹ 56	10 ¹¹ 11	14 ¹¹ 25	2 ¹¹ 11	2 ¹¹ 28	2 ¹¹ 23	14 ¹¹ 20	13 ¹¹ 36	14 ¹¹ 11	27 ¹¹ 39	S 15
M 16	6 13 37	3 ¹¹ 23'29	2 ¹¹ 7	11 ¹¹ 43	21 ¹¹ 24	15 ¹¹ 39	10 ¹¹ 15	14 ¹¹ 29	2 ¹¹ 11	2 ¹¹ 29	2 ¹¹ 22	14 ¹¹ 13	13 ¹¹ 33	14 ¹¹ 18	27 ¹¹ 46	M 16
T 17	6 17 34	4 ¹¹ 24'41	16 ¹¹ 28	12 ¹¹ 58	22 ¹¹ 36	16 ¹¹ 21	10 ¹¹ 19	14 ¹¹ 33	2 ¹¹ 12	2 ¹¹ 31	2 ¹¹ 21	14 ¹¹ 4	13 ¹¹ 30	14 ¹¹ 24	27 ¹¹ 52	T 17
W 18	6 21 30	5 ¹¹ 25'54	1 ¹¹ 12	14 ¹¹ 14	23 ¹¹ 47	17 ¹¹ 3	10 ¹¹ 23	14 ¹¹ 37	2 ¹¹ 13	2 ¹¹ 32	2 ¹¹ 21	13 ¹¹ 52	13 ¹¹ 27	14 ¹¹ 31	27 ¹¹ 58	W 18
T 19	6 25 27	6 ¹¹ 27'07	16 ¹¹ 11	15 ¹¹ 32	24 ¹¹ 58	17 ¹¹ 46	10 ¹¹ 28	14 ¹¹ 41	2 ¹¹ 13	2 ¹¹ 33	2 ¹¹ 20	13 ¹¹ 40	13 ¹¹ 23	14 ¹¹ 38	28 ¹¹ 4	T 19
F 20	6 29 23	7 ¹¹ 28'19	1 ¹¹ 16	16 ¹¹ 51	26 ¹¹ 10	18 ¹¹ 28	10 ¹¹ 33	14 ¹¹ 46	2 ¹¹ 14	2 ¹¹ 34	2 ¹¹ 19	13 ¹¹ 29	13 ¹¹ 20	14 ¹¹ 45	28 ¹¹ 11	F 20
S 21	6 33 20	8 ¹¹ 29'31	16 ¹¹ 16	18 ¹¹ 11	27 ¹¹ 21	19 ¹¹ 10	10 ¹¹ 37	14 ¹¹ 50	2 ¹¹ 14	2 ¹¹ 36	2 ¹¹ 18	13 ¹¹ 19	13 ¹¹ 17	14 ¹¹ 51	28 ¹¹ 17	S 21
S 22	6 37 17	9 ¹¹ 30'43	1 ¹¹ 3	19 ¹¹ 33	28 ¹¹ 33	19 ¹¹ 53	10 ¹¹ 43	14 ¹¹ 54	2 ¹¹ 15	2 ¹¹ 37	2 ¹¹ 18	13 ¹¹ 12	13 ¹¹ 14	14 ¹¹ 58	28 ¹¹ 23	S 22
M 23	6 41 13	10 ¹¹ 31'54	15 ¹¹ 31	20 ¹¹ 55	29 ¹¹ 45	20 ¹¹ 35	10 ¹¹ 48	14 ¹¹ 59	2 ¹¹ 15	2 ¹¹ 38	2 ¹¹ 17	13 ¹¹ 9	13 ¹¹ 11	15 ¹¹ 5	28 ¹¹ 29	M 23
T 24	6 45 10	11 ¹¹ 33'05	29 ¹¹ 36	22 ¹¹ 19	0 ¹¹ 56	21 ¹¹ 17	10 ¹¹ 53	15 ¹¹ 3	2 ¹¹ 15	2 ¹¹ 39	2 ¹¹ 16	13 ¹¹ 7	13 ¹¹ 8	15 ¹¹ 11	28 ¹¹ 36	T 24
W 25	6 49 6	12 ¹¹ 34'15	13 ¹¹ Y20	23 ¹¹ 43	2 ¹¹ 8	22 ¹¹ 0	10 ¹¹ 59	15 ¹¹ 8	2 ¹¹ 15	2 ¹¹ 40	2 ¹¹ 15	13 ¹¹ 7	13 ¹¹ 4	15 ¹¹ 18	28 ¹¹ 42	W 25
T 26	6 53 3	13 ¹¹ 35'24	26 ¹¹ 42	25 ¹¹ 9	3 ¹¹ 20	22 ¹¹ 42	11 ¹¹ 5	15 ¹¹ 13	2 ¹¹ 16	2 ¹¹ 41	2 ¹¹ 14	13 ¹¹ 7	13 ¹¹ 1	15 ¹¹ 25	28 ¹¹ 48	T 26
F 27	6 56 59	14 ¹¹ 36'33	9 ¹¹ 47	26 ¹¹ 35	4 ¹¹ 32	23 ¹¹ 24	11 ¹¹ 11	15 ¹¹ 17	2 ¹¹ 16	2 ¹¹ 42	2 ¹¹ 13	13 ¹¹ 5	12 ¹¹ 58	15 ¹¹ 31	28 ¹¹ 54	F 27
S 28	7 0 56	15 ¹¹ 37'41	22 ¹¹ 37	28 ¹¹ 1	5 ¹¹ 44	24 ¹¹ 7	11 ¹¹ 17	15 ¹¹ 22	2 ¹¹ 16	2 ¹¹ 43	2 ¹¹ 12	13 ¹¹ 1	12 ¹¹ 55	15 ¹¹ 38	29 ¹¹ 0	S 28
S 29	7 4 52	16 ¹¹ 38'48	5 ¹¹ 11	29 ¹¹ 29	6 ¹¹ 56	24 ¹¹ 49	11 ¹¹ 24	15 ¹¹ 27	2 ¹¹ R16	2 ¹¹ 44	2 ¹¹ 11	12 ¹¹ 54	12 ¹¹ 52	15 ¹¹ 45	29 ¹¹ 6	S 29
M 30	7 8 49	17 ¹¹ 39'55	17 ¹¹ 41	0 ¹¹ 57	8 ¹¹ 8	25 ¹¹ 31	11 ¹¹ 30	15 ¹¹ 32	2 ¹¹ 16	2 ¹¹ 45	2 ¹¹ 10	12 ¹¹ 44	12 ¹¹ 48	15 ¹¹ 52	29 ¹¹ 12	M 30
T 31	7 12 46	18 ¹¹ 41'01	29 ¹¹ II58	2 ¹¹ 26	9 ¹¹ 21	26 ¹¹ Y14	11 ¹¹ Y37	15 ¹¹ Y37	2 ¹¹ 16	2 ¹¹ M46	2 ¹¹ Y9	12 ¹¹ Y31	12 ¹¹ Y45	15 ¹¹ 12	29 ¹¹ 18	T 31