



Astrodienst Ephemeris Tables for the year 1565

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 1565
geocentric

JANUARY 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	7 20 44	20°34'10"	2°32'	8°46'	4°47'	23°13'	8°R40	15°R40	10°A33	7°R42	14°H 1	19°R15	17°A53	24°A33	22°C25	M 1
T 2	7 24 41	21°42'18"	15°37'	10°19'	5°54'	23°57'	8°R37	15°A35	10°36'	7°H41	14° 2	19°A13	17°50'	24°39'	22°30'	T 2
W 3	7 28 37	22°43'25"	28°59'	11°53'	7° 1'	24°41'	8°33'	15°31'	10°39'	7°40'	14° 3	19° 9	17°46'	24°46'	22°36'	W 3
T 4	7 32 34	23°44'31"	12°A39	13°27'	8° 8'	25°25'	8°30'	15°27'	10°42'	7°39'	14° 4	19° 3	17°43'	24°53'	22°41'	T 4
F 5	7 36 30	24°45'37"	26°32'	15° 2'	9°16'	26° 9'	8°26'	15°22'	10°45'	7°38'	14° 5	18°57'	17°40'	24°59'	22°46'	F 5
S 6	7 40 27	25°46'41"	10°H35	16°38'	10°23'	26°54'	8°22'	15°18'	10°48'	7°37'	14° 6	18°51'	17°37'	25° 6'	22°52'	S 6
S 7	7 44 23	26°47'45"	24°43'	18°14'	11°31'	27°38'	8°17'	15°14'	10°51'	7°36'	14° 7	18°46'	17°34'	25°13'	22°57'	S 7
M 8	7 48 20	27°48'47"	8°Y55	19°51'	12°39'	28°22'	8°13'	15° 9'	10°53'	7°35'	14° 8	18°43'	17°31'	25°19'	23° 2'	M 8
T 9	7 52 17	28°49'49"	23° 5'	21°28'	13°47'	29° 7'	8° 8'	15° 4'	10°56'	7°34'	14°10'	18°D41	17°27'	25°26'	23° 7'	T 9
W10	7 56 13	29°50'49"	7°B13	23° 6'	14°55'	29°51'	8° 4'	15° 0'	10°59'	7°33'	14°11'	18°42'	17°24'	25°33'	23°13'	W10
T11	8 0 10	0°A51'48"	21°18'	24°44'	16° 4'	0°B36	7°59'	14°55'	11° 2'	7°32'	14°12'	18°43'	17°21'	25°39'	23°18'	T11
F12	8 4 6	1°52'47"	5°H16	26°23'	17°12'	1°20'	7°54'	14°51'	11° 4'	7°31'	14°13'	18°44'	17°18'	25°46'	23°23'	F12
S13	8 8 3	2°53'43"	19° 9'	28° 3'	18°21'	2° 5'	7°48'	14°46'	11° 7'	7°30'	14°14'	18°R45	17°15'	25°53'	23°29'	S13
S14	8 11 59	3°54'39"	2°B54	29°44'	19°30'	2°49'	7°43'	14°41'	11° 9'	7°30'	14°16'	18°44'	17°11'	26° 0'	23°34'	S14
M15	8 15 56	4°55'33"	16°30'	1°A25	20°39'	3°34'	7°37'	14°36'	11°12'	7°29'	14°17'	18°41'	17° 8'	26° 6'	23°39'	M15
T16	8 19 52	5°56'27"	29°54'	3° 7'	21°48'	4°18'	7°32'	14°32'	11°14'	7°28'	14°18'	18°35'	17° 5'	26°13'	23°44'	T16
W17	8 23 49	6°57'19"	13°B 5	4°49'	22°57'	5° 3'	7°26'	14°27'	11°17'	7°27'	14°19'	18°28'	17° 2'	26°20'	23°50'	W17
T18	8 27 46	7°58'10"	26° 0'	6°33'	24° 6'	5°48'	7°20'	14°22'	11°19'	7°27'	14°21'	18°19'	16°59'	26°26'	23°55'	T18
F19	8 31 42	8°59'00"	8°H40	8°17'	25°16'	6°32'	7°14'	14°17'	11°22'	7°26'	14°22'	18° 9'	16°56'	26°33'	24° 0'	F19
S20	8 35 39	9°59'48"	21° 5'	10° 2'	26°25'	7°17'	7° 8'	14°12'	11°24'	7°25'	14°23'	18° 0'	16°52'	26°40'	24° 5'	S20
S21	8 39 35	11° 0'36"	3°A16	11°47'	27°35'	8° 2'	7° 1'	14° 7'	11°26'	7°25'	14°25'	17°52'	16°49'	26°46'	24°10'	S21
M22	8 43 32	12° 1'23"	15°16'	13°33'	28°45'	8°47'	6°55'	14° 2'	11°29'	7°24'	14°26'	17°46'	16°46'	26°53'	24°15'	M22
T23	8 47 28	13° 2'08"	27° 8'	15°20'	29°55'	9°32'	6°48'	13°58'	11°31'	7°24'	14°27'	17°42'	16°43'	27° 0'	24°20'	T23
W24	8 51 25	14° 2'53"	8°H58	17° 8'	1°B 5	10°17'	6°42'	13°53'	11°33'	7°23'	14°29'	17°40'	16°40'	27° 6'	24°26'	W24
T25	8 55 21	15° 3'37"	20°50'	18°56'	2°15'	11° 2'	6°35'	13°48'	11°35'	7°23'	14°30'	17°D40	16°37'	27°13'	24°31'	T25
F26	8 59 18	16° 4'19"	2°A50	20°45'	3°25'	11°47'	6°28'	13°43'	11°37'	7°23'	14°32'	17°41'	16°33'	27°20'	24°36'	F26
S27	9 3 15	17° 5'01"	15° 3'	22°34'	4°36'	12°32'	6°21'	13°38'	11°39'	7°22'	14°33'	17°R42	16°30'	27°27'	24°41'	S27
S28	9 7 11	18° 5'41"	27°33'	24°24'	5°46'	13°17'	6°14'	13°33'	11°41'	7°22'	14°34'	17°41'	16°27'	27°33'	24°46'	S28
M29	9 11 8	19° 6'20"	10°B26	26°14'	6°57'	14° 2'	6° 7'	13°28'	11°43'	7°21'	14°36'	17°39'	16°24'	27°40'	24°51'	M29
T30	9 15 4	20° 6'58"	23°42'	28° 5'	8° 7'	14°47'	5°59'	13°23'	11°45'	7°21'	14°37'	17°34'	16°21'	27°47'	24°56'	T30
W31	9 19 1	21°A7'34"	7°A23	29°A55	9°B18	15°B32	5°H52	13°B19	11°A47	7°H21	14°H39	17°A26	16°A17	27°A53	25°B 1	W31

Delta T = 148.42 sec

Julian Calendar 1 Jan. 1565 == Greg. Calendar 11 Jan. 1565

FEBRUARY 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 22 57	22°A8'09"	21°A26	1°H46	10°B29	16°B17	5°R45	13°R14	11°A49	7°R21	14°H40	17°R16	16°A14	28°A 0	25°B 5	T 1
F 2	9 26 54	23° 8'42"	5°H47	3°36'	11°40'	17° 2'	5°H37	13°B 9	11°50'	7°H21	14°42'	17°A 6	16°11'	28° 7'	25°10'	F 2
S 3	9 30 50	24° 9'14"	20°19'	5°26'	12°51'	17°47'	5°30'	13° 4'	11°52'	7°20'	14°43'	16°55'	16° 8'	28°13'	25°15'	S 3
S 4	9 34 47	25° 9'44"	4°Y56	7°15'	14° 2'	18°33'	5°22'	13° 0'	11°54'	7°20'	14°45'	16°45'	16° 5'	28°20'	25°20'	S 4
M 5	9 38 44	26°10'12"	19°29'	9° 2'	15°13'	19°18'	5°14'	12°55'	11°55'	7°20'	14°46'	16°38'	16° 2'	28°27'	25°25'	M 5
T 6	9 42 40	27°10'38"	3°B55	10°49'	16°24'	20° 3'	5° 7'	12°50'	11°57'	7°20'	14°48'	16°34'	15°58'	28°33'	25°29'	T 6
W 7	9 46 37	28°11'02"	18° 9'	12°33'	17°35'	20°49'	4°59'	12°45'	11°59'	7°D20	14°49'	16°32'	15°55'	28°40'	25°34'	W 7
T 8	9 50 33	29°11'25"	2°H 9	14°15'	18°46'	21°34'	4°51'	12°41'	12° 0'	7°20'	14°51'	16°D31	15°52'	28°47'	25°39'	T 8
F 9	9 54 30	0°H11'45"	15°56'	15°54'	19°57'	22°19'	4°43'	12°36'	12° 1'	7°20'	14°52'	16°R32	15°49'	28°53'	25°43'	F 9
S10	9 58 26	1°12'03"	29°31'	17°30'	21° 9'	23° 5'	4°35'	12°32'	12° 3'	7°20'	14°54'	16°31'	15°46'	29° 0'	25°48'	S10
S11	10 2 23	2°12'19"	12°B53	19° 2'	22°20'	23°50'	4°28'	12°27'	12° 4'	7°21'	14°55'	16°28'	15°43'	29° 7'	25°53'	S11
M12	10 6 19	3°12'34"	26° 4'	20°29'	23°32'	24°36'	4°20'	12°23'	12° 5'	7°21'	14°57'	16°23'	15°39'	29°14'	25°57'	M12
T13	10 10 16	4°12'46"	9°B 5	21°51'	24°43'	25°21'	4°12'	12°19'	12° 7'	7°21'	14°58'	16°15'	15°36'	29°20'	26° 2'	T13
W14	10 14 13	5°12'56"	21°54'	23° 7'	25°55'	26° 6'	4° 4'	12°14'	12° 8'	7°21'	15° 0'	16° 4'	15°33'	29°27'	26° 6'	W14
T15	10 18 9	6°13'04"	4°H33	24°17'	27° 6'	26°52'	3°56'	12°10'	12° 9'	7°21'	15° 1'	15°51'	15°30'	29°34'	26°10'	T15
F16	10 22 6	7°13'11"	17° 0'	25°21'	28°18'	27°38'	3°48'	12° 6'	12°10'	7°22'	15° 3'	15°37'	15°27'	29°40'	26°15'	F16
S17	10 26 2	8°13'15"	29°16'	26°16'	29°30'	28°23'	3°41'	12° 2'	12°11'	7°22'	15° 4'	15°23'	15°23'	29°47'	26°19'	S17
S18	10 29 59	9°13'18"	11°A22	27° 4'	0°A41	29° 9'	3°33'	11°58'	12°12'	7°23'	15° 6'	15°11'	15°20'	29°54'	26°23'	S18
M19	10 33 55	10°13'19"	23°19'	27°43'	1°53'	29°54'	3°25'	11°54'	12°13'	7°23'	15° 8'	15° 1'	15°17'	0°H 0	26°27'	M19
T20	10 37 52	11°13'18"	5°H10	28°14'	3° 5'	0°A40	3°17'	11°50'	12°14'	7°23'	15° 9'	14°54'	15°14'	0° 7'	26°32'	T20
W21	10 41 48	12°13'16"	16°58'	28°36'	4°17'	1°26'	3° 9'	11°46'	12°14'	7°24'	15°11'	14°49'	15°11'	0°14'	26°36'	W21
T22	10 45 45	13°13'12"	28°49'	28°50'	5°29'	2°11'	3° 2'	11°42'	12°15'	7°24'	15°12'	14°48'	15° 8'	0°20'	26°40'	T22
F23	10 49 42	14°13'06"	10°A46	28°R54	6°41'	2°57'	2°54'	11°38'	12°16'	7°25'	15°14'	14°47'	15° 4'	0°27'	26°44'	F23
S24	10 53 38	15°12'59"	22°57'	28°49'	7°53'	3°43'	2°47'	11°35'	12°16'	7°25'	15°15'	14°47'	15° 1'	0°34'	26°48'	S24
S25	10 57 35	16°12'50"	5°B25	28°36'	9° 5'	4°28'	2°39'	11°31'	12°17'	7°26'	15°17'	14°46'	14°58'	0°40'	26°52'	S25
M26	11 1 31	17°12'40"	18°16'	28°15'	10°17'	5°14'	2°32'	11°28'	12°18'	7°27'	15°19'	14°43'	14°55'	0°47'	26°56'	M26
T27	11 5 28	18°12'27"	1°A34	27°47'	11°29'	6° 0'	2°24'	11°24'	12°18'	7°27'	15°20'	14°38'	14°52'	0°54'	27° 0'	T27
W28	11 9 24	19°H12'13"	15°A21	27°H11	12°A41	6°A46	2°H17	11°B21	12°A18	7°H28	15°H22	14°A30	14°A48	1°H 0	27°B 3	W28

Delta T = 148.25 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1565

geocentric

MARCH 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	11 13 21	20°11'57	29°35	26°R30	13°54	7°32	2°R10	11°R18	12°19	7°II29	15°23	14°R20	14°45	1°11	7	T 1
F 2	11 17 17	21°11'38	14°13	25°44	15° 6	8°17	2°R 3	11°14	12°19	7°30	15°25	14°45	14°42	1°14	7	F 2
S 3	11 21 14	22°11'18	29° 7	24°54	16°18	9° 3	1°56	11°11	12°19	7°30	15°26	13°57	14°39	1°21	7	S 3
S 4	11 25 10	23°10'56	14°Y 8	24° 1	17°30	9°49	1°49	11° 8	12°20	7°31	15°28	13°46	14°36	1°27	7	S 4
M 5	11 29 7	24°10'32	29° 7	23° 7	18°43	10°35	1°42	11° 5	12°20	7°32	15°29	13°38	14°33	1°34	7	M 5
T 6	11 33 4	25°10'05	13°54	22°12	19°55	11°21	1°35	11° 3	12°20	7°33	15°31	13°33	14°29	1°41	7	T 6
W 7	11 37 0	26° 9'37	28°25	21°19	21° 7	12° 7	1°29	11° 0	12°R20	7°34	15°33	13°30	14°26	1°47	7	W 7
T 8	11 40 57	27° 9'06	12°II35	20°27	22°20	12°53	1°22	10°57	12°20	7°35	15°34	13°D30	14°23	1°54	7	T 8
F 9	11 44 53	28° 8'32	26°24	19°37	23°32	13°38	1°16	10°55	12°20	7°36	15°36	13°R30	14°20	2° 1	7	F 9
S 10	11 48 50	29° 7'56	9°53	18°52	24°45	14°24	1°10	10°52	12°20	7°37	15°37	13°30	14°17	2° 7	7	S 10
S 11	11 52 46	0°Y 7'18	23° 5	18°10	25°57	15°10	1° 3	10°50	12°20	7°38	15°39	13°27	14°14	2°14	7	S 11
M12	11 56 43	1° 6'38	6°11	17°34	27° 9	15°56	0°57	10°48	12°19	7°39	15°40	13°23	14°10	2°21	7	M12
T 13	12 0 39	2° 5'55	18°45	17° 2	28°22	16°42	0°52	10°45	12°19	7°40	15°42	13°16	14° 7	2°27	7	T 13
W14	12 4 36	3° 5'10	1°11	16°37	29°34	17°28	0°46	10°43	12°19	7°41	15°43	13° 6	14° 4	2°34	7	W14
T 15	12 8 33	4° 4'22	13°38	16°16	0°47	18°14	0°40	10°41	12°18	7°43	15°45	12°54	14° 1	2°41	7	T 15
F 16	12 12 29	5° 3'33	25°51	16° 2	2° 0	19° 0	0°35	10°40	12°18	7°44	15°46	12°41	13°58	2°47	7	F 16
S 17	12 16 26	6° 2'41	7°57	15°53	3°12	19°46	0°29	10°38	12°17	7°45	15°48	12°29	13°54	2°54	7	S 17
S 18	12 20 22	7° 1'47	19°55	15°D50	4°25	20°32	0°24	10°36	12°17	7°46	15°49	12°18	13°51	3° 1	7	S 18
M19	12 24 19	8° 0'51	1°11	15°52	5°37	21°18	0°19	10°35	12°16	7°48	15°51	12° 9	13°48	3° 7	7	M19
T 20	12 28 15	8°59'54	13°36	16° 0	6°50	22° 4	0°14	10°33	12°16	7°49	15°52	12° 2	13°45	3°14	7	T 20
W21	12 32 12	9°58'54	25°24	16°13	8° 2	22°50	0°10	10°32	12°15	7°50	15°54	11°58	13°42	3°21	7	W21
T 22	12 36 8	10°57'53	7°15	16°31	9°15	23°36	0° 5	10°31	12°14	7°52	15°55	11°D57	13°39	3°27	7	T 22
F 23	12 40 5	11°56'50	19°13	16°54	10°28	24°22	0° 1	10°30	12°14	7°53	15°56	11°57	13°35	3°34	7	F 23
S 24	12 44 2	12°55'45	1°32	17°22	11°40	25° 8	29°157	10°29	12°13	7°55	15°58	11°58	13°32	3°41	7	S 24
S 25	12 47 58	13°54'38	13°48	17°53	12°53	25°54	29°53	10°28	12°12	7°56	15°59	11°R58	13°29	3°47	7	S 25
M26	12 51 55	14°53'30	26°36	18°29	14° 6	26°40	29°49	10°27	12°11	7°57	16° 1	11°57	13°26	3°54	7	M26
T 27	12 55 51	15°52'19	9°49	19° 9	15°19	27°26	29°45	10°26	12°10	7°59	16° 2	11°55	13°23	4° 1	7	T 27
W28	12 59 48	16°51'07	23°32	19°52	16°31	28°12	29°42	10°26	12° 9	8° 0	16° 3	11°50	13°20	4° 8	7	W28
T 29	13 3 44	17°49'53	7°44	20°39	17°44	28°58	29°38	10°25	12° 8	8° 2	16° 5	11°43	13°16	4°14	7	T 29
F 30	13 7 41	18°48'38	22°22	21°30	18°57	29°44	29°35	10°25	12° 7	8° 4	16° 6	11°36	13°13	4°21	7	F 30
S 31	13 11 37	19°Y47'20	7°Y22	22°X23	20°X10	0°X30	29°132	10°124	12°X 6	8°II 5	16°X 8	11°X27	13°X10	4°11	7	S 31

Delta T = 148.09 sec

Julian Calendar 1 March 1565 == Greg. Calendar 11 March 1565

APRIL 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 15 34	20°Y46'01	22°Y34	23°X20	21°X23	1°X16	29°R29	10°R24	12°R 5	8°II 7	16°X 9	11°R20	13°X 7	4°11	34	28°33	S 1
M 2	13 19 30	21°44'40	7°B48	24°20	22°35	2° 2	29°127	10°D24	12°X 3	8° 8	16°10	11°X14	13° 4	4°41	28°35	M 2	
T 3	13 23 27	22°43'16	22°53	25°22	23°48	2°48	29°24	10°124	12° 2	8°10	16°11	11°11	13° 0	4°48	28°36	T 3	
W 4	13 27 24	23°41'51	7°II41	26°27	25° 1	3°34	29°22	10°25	12° 1	8°12	16°13	11°D10	12°57	4°54	28°38	W 4	
T 5	13 31 20	24°40'24	22° 6	27°35	26°14	4°20	29°20	10°25	11°59	8°14	16°14	11°10	12°54	5° 1	28°39	T 5	
F 6	13 35 17	25°38'54	6°5 7	28°45	27°27	5° 6	29°18	10°25	11°58	8°15	16°15	11°11	12°51	5° 8	28°41	F 6	
S 7	13 39 13	26°37'22	19°42	29°57	28°40	5°51	29°16	10°26	11°56	8°17	16°17	11°12	12°48	5°14	28°42	S 7	
S 8	13 43 10	27°35'48	2°11	29°52	6°37	29°15	10°26	11°55	8°19	16°18	11°R12	12°45	5°21	28°44	S 8		
M 9	13 47 6	28°34'12	15°47	2°29	1°Y 5	7°23	29°13	10°27	11°53	8°21	16°19	11°11	12°41	5°28	28°45	M 9	
T 10	13 51 3	29°32'33	28°22	3°48	2°18	8° 9	29°12	10°28	11°52	8°22	16°20	11° 7	12°38	5°34	28°46	T 10	
W11	13 54 59	0°B30'52	10°11	5° 9	3°31	8°55	29°11	10°29	11°50	8°24	16°21	11° 2	12°35	5°41	28°47	W11	
T 12	13 58 56	1°29'10	22°54	6°33	4°44	9°41	29°10	10°30	11°49	8°26	16°23	10°56	12°32	5°48	28°48	T 12	
F 13	14 2 53	2°27'25	4°56	7°58	5°57	10°27	29°10	10°31	11°47	8°28	16°24	10°49	12°29	5°54	28°49	F 13	
S 14	14 6 49	3°25'39	16°52	9°25	7°10	11°12	29° 9	10°32	11°45	8°30	16°25	10°42	12°25	6° 1	28°50	S 14	
S 15	14 10 46	4°23'50	28°44	10°55	8°22	11°58	29° 9	10°34	11°43	8°32	16°26	10°36	12°22	6° 8	28°51	S 15	
M16	14 14 42	5°22'00	10°11	12°26	9°35	12°44	29°D 9	10°35	11°42	8°34	16°27	10°31	12°19	6°14	28°51	M16	
T 17	14 18 39	6°20'08	22°23	13°59	10°48	13°30	29° 9	10°37	11°40	8°36	16°28	10°27	12°16	6°21	28°52	T 17	
W18	14 22 35	7°18'15	4°X14	15°35	12° 1	14°15	29° 9	10°38	11°38	8°38	16°29	10°26	12°13	6°28	28°52	W18	
T 19	14 26 32	8°16'20	16° 9	17°12	13°14	15° 1	29°10	10°40	11°36	8°40	16°30	10°D26	12°10	6°34	28°53	T 19	
F 20	14 30 28	9°14'23	28°12	18°51	14°27	15°47	29°11	10°42	11°34	8°42	16°32	10°27	12° 6	6°41	28°53	F 20	
S 21	14 34 25	10°12'25	10°32	20°32	15°40	16°33	29°11	10°44	11°32	8°44	16°33	10°29	12° 3	6°48	28°54	S 21	
S 22	14 38 22	11°10'26	22°54	22°15	16°53	17°18	29°13	10°46	11°30	8°46	16°34	10°30	12° 0	6°54	28°54	S 22	
M23	14 42 18	12° 8'25	5°41	24° 0	18° 6	18° 4	29°14	10°48	11°28	8°48	16°35	10°31	11°57	7° 1	28°54	M23	
T 24	14 46 15	13° 6'23	18°51	25°46	19°19	18°50	29°15	10°50	11°26	8°50	16°36	10°R31	11°54	7° 8	28°54	T 24	
W25	14 50 11	14° 4'19	2°X26	27°35	20°32	19°35	29°17	10°53	11°24	8°52	16°36	10°30	11°51	7°14	28°R54	W25	
T 26	14 54 8	15° 2'14	16°28	29°26	21°45	20°21	29°18	10°55	11°22	8°54	16°37	10°28	11°47	7°21	28°54	T 26	
F 27	14 58 4	16° 0'08	0°Y56	1°B18	22°58	21° 6	29°20	10°58	11°20	8°56	16°38	10°25	11°44	7°28	28°54	F 27	
S 28	15 2 1	16°58'01	15°46	3°13	24°11	21°52	29°22	11° 0	11°18	8°58	16°39	10°22	11°41	7°34	28°54	S 28	
S 29	15 5 57	17°55'52	0°B52	5° 9	25°24	22°37	29°25	11° 3	11°15	9° 0	16°40	10°19	11°38	7°41	28°54	S 29	
M30	15 9 54	18°53'42	16°B 4	7°B 8	26°Y37	23°X23	29°127	11°12 6	11°X13	9°II 2	16°X41	10°X17	11°X35	7°11	28°53	M30	

Delta T = 147.92 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1565

geocentric

MAY 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 13 51	19°51'31	1°11'31	9°8' 8	27°7'50	24°8' 8	29°0'30	11°0' 9	11°R11	9°II 4	16°K42	10°R16	11°A31	7°M54	28°R53	T 1
W 2	15 17 47	20°49'18	16° 9	11°10	29° 3	24°53	29°33	11°12	11°A 9	9° 7	16°43	10°D15	11°28	8° 1	28°Z52	W 2
T 3	15 21 44	21°47'04	0°545	13°13	0°816	25°39	29°36	11°15	11° 7	9° 9	16°43	10°A16	11°25	8° 8	28°52	T 3
F 4	15 25 40	22°44'48	14°57	15°18	1°29	26°24	29°39	11°19	11° 4	9°11	16°44	10°17	11°22	8°14	28°51	F 4
S 5	15 29 37	23°42'30	28°43	17°25	2°42	27° 9	29°42	11°22	11° 2	9°13	16°45	10°19	11°19	8°21	28°50	S 5
S 6	15 33 33	24°40'11	12°02	19°33	3°55	27°55	29°46	11°25	11° 0	9°15	16°46	10°20	11°16	8°28	28°50	S 6
M 7	15 37 30	25°37'50	24°57	21°42	5° 8	28°40	29°49	11°29	10°57	9°17	16°46	10°R20	11°12	8°34	28°49	M 7
T 8	15 41 26	26°35'28	7°1032	23°52	6°21	29°25	29°53	11°32	10°55	9°20	16°47	10°20	11° 9	8°41	28°48	T 8
W 9	15 45 23	27°33'04	19°50	26° 3	7°34	0°Y10	29°57	11°36	10°53	9°22	16°48	10°19	11° 6	8°48	28°47	W 9
T 10	15 49 20	28°30'38	1°56	28°15	8°47	0°55	0°10	11°40	10°50	9°24	16°48	10°17	11° 3	8°54	28°46	T 10
F 11	15 53 16	29°28'11	13°53	0°II27	10° 0	1°40	0° 6	11°44	10°48	9°26	16°49	10°16	11° 0	9° 1	28°45	F 11
S 12	15 57 13	0°II25'43	25°44	2°39	11°14	2°25	0°10	11°48	10°45	9°29	16°50	10°14	10°57	9° 8	28°44	S 12
S 13	16 1 9	1°23'14	7°M33	4°50	12°27	3°10	0°15	11°52	10°43	9°31	16°50	10°13	10°53	9°14	28°42	S 13
M14	16 5 6	2°20'43	19°22	7° 1	13°40	3°55	0°19	11°56	10°41	9°33	16°51	10°12	10°50	9°21	28°41	M14
T 15	16 9 2	3°18'12	1°A15	9°11	14°53	4°40	0°24	12° 0	10°38	9°35	16°51	10°12	10°47	9°28	28°40	T 15
W16	16 12 59	4°15'39	13°12	11°21	16° 6	5°24	0°29	12° 4	10°36	9°37	16°52	10°D12	10°44	9°34	28°38	W16
T 17	16 16 55	5°13'05	25°16	13°28	17°19	6° 9	0°35	12° 9	10°33	9°40	16°52	10°12	10°41	9°41	28°37	T 17
F 18	16 20 52	6°10'31	7°Z30	15°35	18°32	6°54	0°40	12°13	10°31	9°42	16°53	10°12	10°37	9°48	28°35	F 18
S 19	16 24 49	7° 7'55	19°55	17°39	19°45	7°38	0°46	12°18	10°28	9°44	16°53	10°13	10°34	9°54	28°33	S 19
S 20	16 28 45	8° 5'19	2°A33	19°42	20°58	8°23	0°51	12°22	10°26	9°46	16°54	10°13	10°31	10° 1	28°32	S 20
M21	16 32 42	9° 2'42	15°28	21°43	22°12	9° 8	0°57	12°27	10°23	9°49	16°54	10°13	10°28	10° 8	28°30	M21
T 22	16 36 38	10° 0'04	28°40	23°42	23°25	9°52	1° 3	12°32	10°21	9°51	16°55	10°13	10°25	10°14	28°28	T 22
W23	16 40 35	10°57'26	12°K13	25°38	24°38	10°37	1° 9	12°37	10°18	9°53	16°55	10°13	10°22	10°21	28°26	W23
T 24	16 44 31	11°54'47	26° 6	27°32	25°51	11°21	1°15	12°42	10°16	9°55	16°55	10°13	10°18	10°28	28°24	T 24
F 25	16 48 28	12°52'08	10°Y20	29°24	27° 4	12° 5	1°22	12°47	10°13	9°58	16°56	10°13	10°15	10°34	28°22	F 25
S 26	16 52 24	13°49'29	24°53	1°E13	28°18	12°50	1°28	12°52	10°11	10° 0	16°56	10°14	10°12	10°41	28°20	S 26
S 27	16 56 21	14°46'48	9°B40	3° 0	29°31	13°34	1°35	12°57	10° 9	10° 2	16°56	10°14	10° 9	10°48	28°18	S 27
M28	17 0 18	15°44'08	24°36	4°44	0°II44	14°18	1°42	13° 2	10° 6	10° 4	16°56	10°14	10° 6	10°54	28°16	M28
T 29	17 4 14	16°41'27	9°II33	6°26	1°57	15° 2	1°49	13° 7	10° 4	10° 7	16°57	10°R14	10° 3	11° 1	28°14	T 29
W30	17 8 11	17°38'45	24°23	8° 6	3°11	15°46	1°56	13°13	10° 1	10° 9	16°57	10°14	9°59	11° 8	28°11	W30
T 31	17 12 7	18°II36'03	8°E58	9°E42	4°II24	16°Y30	2°10 3	13°018	9°A59	10°II11	16°K57	10°A14	9°A56	11°M14	28°Z 9	T 31

Delta T = 147.76 sec

Julian Calendar 1 May 1565 == Greg. Calendar 11 May 1565

JUNE 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	17 16 4	19°II33'20	23°E13	11°E17	5°II37	17°Y14	2°10	13°024	9°R56	10°II13	16°K57	10°R13	9°A53	11°M21	28°R 6	F 1
S 2	17 20 0	20°30'37	7°02 4	12°48	6°51	17°58	2°18	13°29	9°A54	10°15	16°57	10°A12	9°50	11°28	28°Z 4	S 2
S 3	17 23 57	21°27'52	20°29	14°18	8° 4	18°41	2°25	13°35	9°52	10°18	16°57	10°10	9°47	11°34	28° 1	S 3
M 4	17 27 54	22°25'07	3°1029	15°44	9°17	19°25	2°33	13°41	9°49	10°20	16°57	10° 9	9°43	11°41	27°59	M 4
T 5	17 31 50	23°22'21	16° 7	17° 8	10°30	20° 9	2°41	13°46	9°47	10°22	16°58	10° 9	9°40	11°48	27°56	T 5
W 6	17 35 47	24°19'34	28°27	18°29	11°44	20°52	2°49	13°52	9°44	10°24	16°58	10°D 9	9°37	11°54	27°54	W 6
T 7	17 39 43	25°16'47	10°A31	19°48	12°57	21°36	2°57	13°58	9°42	10°26	16°R58	10° 9	9°34	12° 1	27°51	T 7
F 8	17 43 40	26°13'59	22°27	21° 3	14°11	22°19	3° 5	14° 4	9°40	10°29	16°58	10°10	9°31	12° 8	27°48	F 8
S 9	17 47 36	27°11'11	4°M16	22°16	15°24	23° 2	3°13	14°10	9°37	10°31	16°58	10°12	9°28	12°14	27°45	S 9
S 10	17 51 33	28° 8'22	16° 5	23°26	16°37	23°46	3°22	14°16	9°35	10°33	16°57	10°13	9°24	12°21	27°43	S 10
M11	17 55 29	29° 5'32	27°57	24°33	17°51	24°29	3°30	14°22	9°33	10°35	16°57	10°14	9°21	12°28	27°40	M11
T 12	17 59 26	0°E 2'43	9°A55	25°37	19° 4	25°12	3°39	14°28	9°31	10°37	16°57	10°R15	9°18	12°34	27°37	T 12
W13	18 3 23	0°59'53	22° 1	26°38	20°18	25°55	3°47	14°35	9°28	10°39	16°57	10°14	9°15	12°41	27°34	W13
T 14	18 7 19	1°57'03	4°Z19	27°36	21°31	26°38	3°56	14°41	9°26	10°42	16°57	10°13	9°12	12°48	27°31	T 14
F 15	18 11 16	2°54'13	16°48	28°31	22°44	27°21	4° 5	14°47	9°24	10°44	16°57	10°10	9° 9	12°54	27°28	F 15
S 16	18 15 12	3°51'23	29°31	29°22	23°58	28° 3	4°14	14°54	9°22	10°46	16°57	10° 7	9° 5	13° 1	27°25	S 16
S 17	18 19 9	4°48'32	12°A28	0°02 9	25°11	28°46	4°23	15° 0	9°20	10°48	16°56	10° 3	9° 2	13° 8	27°22	S 17
M18	18 23 5	5°45'42	25°38	0°53	26°25	29°29	4°33	15° 6	9°17	10°50	16°56	10° 0	8°59	13°14	27°18	M18
T 19	18 27 2	6°42'53	9°K 2	1°33	27°38	0°B11	4°42	15°13	9°15	10°52	16°56	9°57	8°56	13°21	27°15	T 19
W20	18 30 58	7°40'03	22°41	2° 9	28°52	0°54	4°51	15°20	9°13	10°54	16°56	9°54	8°53	13°28	27°12	W20
T 21	18 34 55	8°37'14	6°Y33	2°42	0°E 6	1°36	5° 1	15°26	9°11	10°56	16°55	9°D54	8°49	13°34	27° 9	T 21
F 22	18 38 52	9°34'25	20°38	3°10	1°19	2°18	5°11	15°33	9° 9	10°58	16°55	9°54	8°46	13°41	27° 5	F 22
S 23	18 42 48	10°31'37	4°B54	3°34	2°33	3° 0	5°20	15°40	9° 7	11° 0	16°55	9°55	8°43	13°48	27° 2	S 23
S 24	18 46 45	11°28'49	19°21	3°53	3°46	3°42	5°30	15°46	9° 5	11° 2	16°54	9°57	8°40	13°54	26°59	S 24
M25	18 50 41	12°26'02	3°II53	4° 8	5° 0	4°24	5°40	15°53	9° 3	11° 4	16°54	9°R58	8°37	14° 1	26°56	M25
T 26	18 54 38	13°23'15	18°27	4°18	6°14	5° 6	5°50	16° 0	9° 1	11° 6	16°54	9°57	8°34	14° 8	26°52	T 26
W27	18 58 34	14°20'29	2°E58	4°24	7°27	5°48	6° 0	16° 7	8°59	11° 8	16°53	9°56	8°30	14°14	26°49	W27
T 28	19 2 31	15°17'43	17°19	4°R25	8°41	6°30	6°10	16°14	8°58	11°10	16°53	9°52	8°27	14°21	26°45	T 28
F 29	19 6 27	16°14'57	1°025	4°21	9°55	7°11	6°21	16°21	8°56	11°12	16°52	9°48	8°24	14°28	26°42	F 29
S 30	19 10 24	17°02'11	15°011	4°012	11°E 8	7°B53	6°10 31	16°028	8°A54	11°II14	16°K52	9°A42	8°A21	14°M34	26°Z39	S 30

Delta T = 147.59 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1565

geocentric

JULY 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 14 21	18° 9'26"	28° 35'	3° R58	12° 22'	8° 34'	6° 41'	16° 35'	8° R52	11° 16'	16° R51	9° R36	8° 18'	14° 41'	26° R35	S 1
M 2	19 18 17	19° 6'41"	11° 36'	3° 40'	13° 36'	9° 15'	6° 52'	16° 42'	8° 51'	11° 18'	16° 51'	9° 30'	8° 15'	14° 47'	26° 32'	M 2
T 3	19 22 14	20° 3'56"	24° 15'	3° 18'	14° 50'	9° 56'	7° 2'	16° 49'	8° 49'	11° 19'	16° 50'	9° 26'	8° 11'	14° 54'	26° 28'	T 3
W 4	19 26 10	21° 1'12"	6° 36'	2° 51'	16° 3'	10° 37'	7° 13'	16° 56'	8° 47'	11° 21'	16° 49'	9° 23'	8° 8'	15° 1'	26° 25'	W 4
T 5	19 30 7	21° 58'27"	18° 41'	2° 20'	17° 17'	11° 18'	7° 24'	17° 3'	8° 46'	11° 23'	16° 49'	9° D22	8° 5'	15° 7'	26° 21'	T 5
F 6	19 34 3	22° 55'43"	0° 36'	1° 46'	18° 31'	11° 59'	7° 35'	17° 10'	8° 44'	11° 25'	16° 48'	9° 22'	8° 2'	15° 14'	26° 18'	F 6
S 7	19 38 0	23° 53'00"	12° 26'	1° 8'	19° 45'	12° 40'	7° 46'	17° 18'	8° 43'	11° 27'	16° 48'	9° 23'	7° 59'	15° 21'	26° 14'	S 7
S 8	19 41 56	24° 50'16"	24° 16'	0° 28'	20° 59'	13° 20'	7° 56'	17° 25'	8° 41'	11° 28'	16° 47'	9° 25'	7° 55'	15° 27'	26° 11'	S 8
M 9	19 45 53	25° 47'34"	6° 10'	29° 46'	22° 13'	14° 1'	8° 8'	17° 32'	8° 40'	11° 30'	16° 46'	9° R26	7° 52'	15° 34'	26° 7'	M 9
T 10	19 49 50	26° 44'51"	18° 13'	29° 4'	23° 26'	14° 41'	8° 19'	17° 40'	8° 39'	11° 32'	16° 46'	9° 25'	7° 49'	15° 41'	26° 4'	T 10
W 11	19 53 46	27° 42'10"	0° 29'	28° 20'	24° 40'	15° 21'	8° 30'	17° 47'	8° 37'	11° 33'	16° 45'	9° 23'	7° 46'	15° 47'	26° 0'	W 11
T 12	19 57 43	28° 39'29"	13° 0'	27° 37'	25° 54'	16° 1'	8° 41'	17° 54'	8° 36'	11° 35'	16° 44'	9° 19'	7° 43'	15° 54'	25° 57'	T 12
F 13	20 1 39	29° 36'48"	25° 48'	26° 55'	27° 8'	16° 41'	8° 52'	18° 2'	8° 35'	11° 37'	16° 43'	9° 13'	7° 40'	16° 1'	25° 53'	F 13
S 14	20 5 36	0° 34'09"	8° 52'	26° 15'	28° 22'	17° 21'	9° 4'	18° 9'	8° 33'	11° 38'	16° 43'	9° 5'	7° 36'	16° 7'	25° 50'	S 14
S 15	20 9 32	1° 31'30"	22° 12'	25° 38'	29° 36'	18° 1'	9° 15'	18° 16'	8° 32'	11° 40'	16° 42'	8° 56'	7° 33'	16° 14'	25° 46'	S 15
M 16	20 13 29	2° 28'52"	5° 46'	25° 4'	0° 50'	18° 40'	9° 27'	18° 24'	8° 31'	11° 42'	16° 41'	8° 47'	7° 30'	16° 21'	25° 43'	M 16
T 17	20 17 25	3° 26'15"	19° 31'	24° 34'	2° 4'	19° 20'	9° 38'	18° 31'	8° 30'	11° 43'	16° 40'	8° 40'	7° 27'	16° 27'	25° 40'	T 17
W 18	20 21 22	4° 23'39"	3° 25'	24° 8'	3° 18'	19° 59'	9° 50'	18° 39'	8° 29'	11° 45'	16° 39'	8° 34'	7° 24'	16° 34'	25° 36'	W 18
T 19	20 25 19	5° 21'05"	17° 25'	23° 48'	4° 32'	20° 38'	10° 1'	18° 46'	8° 28'	11° 46'	16° 39'	8° 31'	7° 20'	16° 41'	25° 33'	T 19
F 20	20 29 15	6° 18'31"	1° 31'	23° 34'	5° 46'	21° 18'	10° 13'	18° 54'	8° 27'	11° 48'	16° 38'	8° D29	7° 17'	16° 47'	25° 29'	F 20
S 21	20 33 12	7° 16'00"	15° 39'	23° 25'	7° 0'	21° 56'	10° 25'	19° 1'	8° 26'	11° 49'	16° 37'	8° 29'	7° 14'	16° 54'	25° 26'	S 21
S 22	20 37 8	8° 13'29"	29° 49'	23° D23	8° 14'	22° 35'	10° 37'	19° 9'	8° 25'	11° 50'	16° 36'	8° 30'	7° 11'	17° 1'	25° 23'	S 22
M 23	20 41 5	9° 11'00"	14° 11'	23° 28'	9° 28'	23° 14'	10° 49'	19° 17'	8° 25'	11° 52'	16° 35'	8° R30	7° 8'	17° 7'	25° 19'	M 23
T 24	20 45 1	10° 8'33"	28° 10'	23° 39'	10° 42'	23° 52'	11° 1'	19° 24'	8° 24'	11° 53'	16° 34'	8° 29'	7° 5'	17° 14'	25° 16'	T 24
W 25	20 48 58	11° 6'06"	12° 51'	23° 57'	11° 57'	24° 31'	11° 13'	19° 32'	8° 23'	11° 55'	16° 33'	8° 25'	7° 1'	17° 21'	25° 13'	W 25
T 26	20 52 54	12° 3'41"	26° 13'	24° 23'	13° 11'	25° 9'	11° 25'	19° 39'	8° 22'	11° 56'	16° 32'	8° 18'	6° 58'	17° 27'	25° 9'	T 26
F 27	20 56 51	13° 1'18"	9° 59'	24° 55'	14° 25'	25° 47'	11° 37'	19° 47'	8° 22'	11° 57'	16° 31'	8° 9'	6° 55'	17° 34'	25° 6'	F 27
S 28	21 0 48	13° 58'55"	23° 31'	25° 34'	15° 39'	26° 25'	11° 49'	19° 55'	8° 21'	11° 58'	16° 30'	7° 59'	6° 52'	17° 41'	25° 3'	S 28
S 29	21 4 44	14° 56'33"	6° 14'	26° 19'	16° 53'	27° 2'	12° 1'	20° 2'	8° 21'	12° 0'	16° 29'	7° 48'	6° 49'	17° 47'	25° 0'	S 29
M 30	21 8 41	15° 54'13"	19° 39'	27° 12'	18° 7'	27° 40'	12° 13'	20° 10'	8° 20'	12° 1'	16° 28'	7° 37'	6° 46'	17° 54'	24° 56'	M 30
T 31	21 12 37	16° 51'54"	2° 15'	28° 11'	19° 22'	28° 17'	12° 25'	20° 18'	8° 20'	12° 2'	16° 27'	7° 28'	6° 42'	18° 0'	24° 53'	T 31

Delta T = 147.42 sec

Julian Calendar 1 July 1565 == Greg. Calendar 11 July 1565

AUGUST 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	21 16 34	17° 49'36"	14° 33'	29° 16'	20° 36'	28° 54'	12° 38'	20° 25'	8° R19	12° 3'	16° R26	7° R21	6° 39'	18° 7'	24° R50	W 1
T 2	21 20 30	18° 47'19"	26° 37'	0° 28'	21° 50'	29° 32'	12° 50'	20° 33'	8° 19'	12° 4'	16° 25'	7° 17'	6° 36'	18° 14'	24° 47'	T 2
F 3	21 24 27	19° 45'03"	8° 32'	1° 45'	23° 4'	0° 11'	13° 2'	20° 41'	8° 19'	12° 5'	16° 24'	7° 14'	6° 33'	18° 20'	24° 44'	F 3
S 4	21 28 23	20° 42'48"	20° 21'	3° 7'	24° 19'	0° 45'	13° 15'	20° 48'	8° 19'	12° 6'	16° 23'	7° D14	6° 30'	18° 27'	24° 41'	S 4
S 5	21 32 20	21° 40'35"	2° 10'	4° 35'	25° 33'	1° 22'	13° 27'	20° 56'	8° 19'	12° 8'	16° 22'	7° R14	6° 26'	18° 34'	24° 38'	S 5
M 6	21 36 17	22° 38'23"	14° 6'	6° 8'	26° 47'	1° 58'	13° 40'	21° 4'	8° 18'	12° 9'	16° 21'	7° 14'	6° 23'	18° 40'	24° 35'	M 6
T 7	21 40 13	23° 36'12"	26° 12'	7° 45'	28° 2'	2° 34'	13° 52'	21° 11'	8° 18'	12° 10'	16° 20'	7° 13'	6° 20'	18° 47'	24° 32'	T 7
W 8	21 44 10	24° 34'02"	8° 34'	9° 26'	29° 16'	3° 10'	14° 5'	21° 9'	8° D18	12° 10'	16° 19'	7° 9'	6° 17'	18° 54'	24° 30'	W 8
T 9	21 48 6	25° 31'53"	21° 14'	11° 10'	0° 30'	3° 46'	14° 17'	21° 26'	8° 18'	12° 11'	16° 17'	7° 3'	6° 14'	19° 0'	24° 27'	T 9
F 10	21 52 3	26° 29'46"	4° 16'	12° 58'	1° 45'	4° 21'	14° 30'	21° 34'	8° 19'	12° 12'	16° 16'	6° 54'	6° 11'	19° 7'	24° 24'	F 10
S 11	21 55 59	27° 27'40"	17° 40'	14° 48'	2° 59'	4° 57'	14° 43'	21° 42'	8° 19'	12° 13'	16° 15'	6° 44'	6° 7'	19° 14'	24° 21'	S 11
S 12	21 59 56	28° 25'36"	1° 23'	16° 40'	4° 13'	5° 32'	14° 55'	21° 49'	8° 19'	12° 14'	16° 14'	6° 32'	6° 4'	19° 20'	24° 19'	S 12
M 13	22 3 52	29° 23'34"	15° 23'	18° 34'	5° 28'	6° 7'	15° 8'	21° 57'	8° 19'	12° 15'	16° 13'	6° 20'	6° 1'	19° 27'	24° 16'	M 13
T 14	22 7 49	0° 21'33"	29° 34'	20° 30'	6° 42'	6° 42'	15° 21'	22° 5'	8° 19'	12° 15'	16° 12'	6° 10'	5° 58'	19° 34'	24° 14'	T 14
W 15	22 11 46	1° 19'33"	13° 52'	22° 26'	7° 56'	7° 16'	15° 34'	22° 12'	8° 20'	12° 16'	16° 10'	6° 1'	5° 55'	19° 40'	24° 11'	W 15
T 16	22 15 42	2° 17'36"	28° 11'	24° 23'	9° 11'	7° 50'	15° 46'	22° 20'	8° 20'	12° 17'	16° 9'	5° 56'	5° 52'	19° 47'	24° 9'	T 16
F 17	22 19 39	3° 15'41"	12° 28'	26° 20'	10° 25'	8° 25'	15° 59'	22° 27'	8° 21'	12° 18'	16° 8'	5° 53'	5° 48'	19° 54'	24° 6'	F 17
S 18	22 23 35	4° 13'47"	26° 39'	28° 18'	11° 40'	8° 59'	16° 12'	22° 35'	8° 21'	12° 18'	16° 7'	5° 52'	5° 45'	20° 0'	24° 4'	S 18
S 19	22 27 32	5° 11'56"	10° 44'	0° 15'	12° 54'	9° 32'	16° 25'	22° 42'	8° 22'	12° 19'	16° 6'	5° 52'	5° 42'	20° 7'	24° 2'	S 19
M 20	22 31 28	6° 10'07"	24° 42'	2° 12'	14° 8'	10° 6'	16° 38'	22° 50'	8° 22'	12° 19'	16° 5'	5° 52'	5° 39'	20° 14'	24° 0'	M 20
T 21	22 35 25	7° 8'20"	8° 33'	4° 8'	15° 23'	10° 39'	16° 50'	22° 57'	8° 23'	12° 20'	16° 3'	5° 49'	5° 36'	20° 20'	23° 57'	T 21
W 22	22 39 21	8° 6'35"	22° 15'	6° 4'	16° 37'	11° 12'	17° 3'	23° 5'	8° 24'	12° 20'	16° 2'	5° 44'	5° 32'	20° 27'	23° 55'	W 22
T 23	22 43 18	9° 4'52"	5° 48'	7° 59'	17° 52'	11° 45'	17° 16'	23° 12'	8° 24'	12° 21'	16° 1'	5° 37'	5° 29'	20° 33'	23° 53'	T 23
F 24	22 47 15	10° 3'11"	19° 10'	9° 53'	19° 6'	12° 17'	17° 29'	23° 20'	8° 25'	12° 21'	16° 0'	5° 26'	5° 26'	20° 40'	23° 51'	F 24
S 25	22 51 11	11° 1'32"	2° 20'	11° 46'	20° 21'	12° 50'	17° 42'	23° 27'	8° 26'	12° 22'	15° 58'	5° 14'	5° 23'	20° 47'	23° 49'	S 25
S 26	22 55 8	11° 59'54"	15° 17'	13° 38'	21° 35'	13° 21'	17° 55'	23° 35'	8° 27'	12° 22'	15° 57'	5° 1'	5° 20'	20° 53'	23° 47'	S 26
M 27	22 59 4	12° 58'19"	27° 58'	15° 29'	22° 50'	13° 53'	18° 8'	23° 42'	8° 28'	12° 22'	15° 56'	4° 48'	5° 17'	21° 0'	23° 46'	M 27
T 28	23 3 1	13° 56'45"	10° 24'	17° 19'	24° 4'	14° 25'	18° 21'	23° 50'	8° 29'	12° 23'	15° 55'	4° 37'	5° 13'	21° 7'	23° 44'	T 28
W 29	23 6 57	14° 55'13"	22° 36'	19° 8'	25° 19'	14° 56'	18° 34'	23° 57'	8° 30'	12° 23'	15° 54'	4° 28'	5° 10'	21° 13'	23° 42'	W 29
T 30	23 10 54	15° 53'43"	4° 37'	20° 56'	26° 33'	15° 27'	18° 47'	24° 4'	8° 31'	12° 23'	15° 52'	4° 22'	5° 7'	21° 20'	23° 41'	T 30
F 31	23 14 50	16° 52'14"	16° 29'	22° 43'	27° 48'	15° 15'	19° 19'	24° 11'	8° 32'	12° 23'	15° 51'	4° 19'	5° 4'	21° 27'	23° 39'	F 31

Delta T = 147.25 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1565

geocentric

SEPTEMBER 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
S 1	23 18 47	17 ⁵⁰ 47	28 ¹¹ 16	24 ¹⁹ 29	29 ¹⁹ 2	16 ¹¹ 28	19 ¹⁹ 13	24 ¹⁹ 19	8 ³ 34	12 ¹¹ 24	15 ¹⁹ 50	4 ¹⁹ 17	5 ¹⁹ 1	21 ¹¹ 33	23 ¹⁹ 38	S 1	
S 2	23 22 43	18 ⁴⁹ 22	10 ¹⁹ 4	26 ¹⁴	0 ¹¹ 17	16 ⁵⁸	19 ²⁶	24 ²⁶	8 ³⁵	12 ²⁴	15 ¹⁹ 49	4 ¹⁹ D17	4 ⁵⁸	21 ⁴⁰	23 ³⁶ 36	S 2	
M 3	23 26 40	19 ⁴⁷ 59	21 ⁵⁸	27 ⁵⁸	1 ³¹	17 ²⁷	19 ³⁹	24 ³³	8 ³⁶	12 ²⁴	15 ⁴⁷	4 ¹⁹ R17	4 ⁵⁴	21 ⁴⁷	23 ³⁵	M 3	
T 4	23 30 37	20 ⁴⁶ 37	4 ³ 4	29 ⁴⁰	2 ⁴⁶	17 ⁵⁷	19 ⁵²	24 ⁴⁰	8 ³⁸	12 ²⁴	15 ⁴⁶	4 ¹⁹ 17	4 ⁵¹	21 ⁵³	23 ³⁴	T 4	
W 5	23 34 33	21 ⁴⁵ 17	16 ²⁶	1 ¹¹ 22	4 ⁰	18 ²⁶	20 ⁵	24 ⁴⁷	8 ³⁹	12 ²⁴	15 ⁴⁵	4 ¹⁴	4 ⁴⁸	22 ⁰	23 ³²	W 5	
T 6	23 38 30	22 ⁴³ 59	29 ¹⁰	3 ³	5 ¹⁵	18 ⁵⁵	20 ¹⁸	24 ⁵⁵	8 ⁴⁰	12 ²⁴	15 ⁴⁴	4 ⁹	4 ⁴⁵	22 ⁷	23 ³¹	T 6	
F 7	23 42 26	23 ⁴² 43	12 ¹¹ 19	4 ⁴²	6 ²⁹	19 ²³	20 ³¹	25 ²	8 ⁴²	12 ²⁴	15 ⁴³	4 ²	4 ⁴²	22 ¹³	23 ³⁰	F 7	
S 8	23 46 23	24 ⁴¹ 28	25 ⁵³	6 ²¹	7 ⁴⁴	19 ⁵¹	20 ⁴⁴	25 ⁹	8 ⁴³	12 ²⁴	15 ⁴¹	3 ⁵²	4 ³⁸	22 ²⁰	23 ²⁹	S 8	
S 9	23 50 19	25 ⁴⁰ 15	9 ¹¹ 52	7 ⁵⁹	8 ⁵⁸	20 ¹⁹	20 ⁵⁷	25 ¹⁶	8 ⁴⁵	12 ²⁴	15 ⁴⁰	3 ⁴²	4 ³⁵	22 ²⁶	23 ²⁸	S 9	
M10	23 54 16	26 ³⁹ 04	24 ¹²	9 ³⁶	10 ¹³	20 ⁴⁷	21 ¹⁰	25 ²²	8 ⁴⁷	12 ²⁴	15 ³⁹	3 ³¹	4 ³²	22 ³³	23 ²⁷	M10	
T 11	23 58 12	27 ³⁷ 55	8 ¹⁹ 48	11 ¹²	11 ²⁷	21 ¹⁴	21 ²³	25 ²⁹	8 ⁴⁸	12 ²³	15 ³⁸	3 ²²	4 ²⁹	22 ⁴⁰	23 ²⁷	T 11	
W12	0 2 9	28 ³⁶ 48	23 ³²	12 ⁴⁷	12 ⁴²	21 ⁴¹	21 ³⁶	25 ³⁶	8 ⁵⁰	12 ²³	15 ³⁷	3 ¹⁴	4 ²⁶	22 ⁴⁶	23 ²⁶	W12	
T 13	0 6 6	29 ³⁵ 43	8 ¹⁵	14 ²¹	13 ⁵⁶	22 ⁷	21 ⁴⁸	25 ⁴³	8 ⁵²	12 ²³	15 ³⁵	3 ¹⁰	4 ²³	22 ⁵³	23 ²⁵	T 13	
F 14	0 10 2	0 ¹¹ 34	22 ⁵³	15 ⁵⁴	15 ¹¹	22 ³³	22 ¹	25 ⁵⁰	8 ⁵⁴	12 ²³	15 ³⁴	3 ⁷	4 ¹⁹	23 ⁰	23 ²⁵	F 14	
S 15	0 13 59	1 ³³ 41	7 ¹¹ 19	17 ²⁷	16 ²⁶	22 ⁵⁹	22 ¹⁴	25 ⁵⁷	8 ⁵⁶	12 ²²	15 ³³	3 ^{D 7}	4 ¹⁶	23 ⁶	23 ²⁴	S 15	
S 16	0 17 55	2 ³² 43	21 ³¹	18 ⁵⁸	17 ⁴⁰	23 ²⁴	22 ²⁷	26 ³	8 ⁵⁸	12 ²²	15 ³²	3 ⁸	4 ¹³	23 ¹³	23 ²⁴	S 16	
M17	0 21 52	3 ³¹ 48	5 ¹¹ 28	20 ²⁹	18 ⁵⁵	23 ⁴⁹	22 ⁴⁰	26 ¹⁰	9 ⁰	12 ²²	15 ³¹	3 ^{R 8}	4 ¹⁰	23 ²⁰	23 ²³	M17	
T 18	0 25 48	4 ³⁰ 55	19 ⁹	21 ⁵⁹	20 ⁹	24 ¹⁴	22 ⁵³	26 ¹⁶	9 ²	12 ²¹	15 ³⁰	3 ⁷	4 ⁷	23 ²⁶	23 ²³	T 18	
W19	0 29 45	5 ³⁰ 04	2 ¹¹ 37	23 ²⁸	21 ²⁴	24 ³⁸	23 ⁶	26 ²³	9 ⁴	12 ²¹	15 ²⁸	3 ⁴	4 ³	23 ³³	23 ²³	W19	
T 20	0 33 41	6 ²⁹ 16	15 ⁵¹	24 ⁵⁶	22 ³⁸	25 ¹	23 ¹⁹	26 ³⁰	9 ⁶	12 ²⁰	15 ²⁷	2 ⁵⁸	4 ⁰	23 ⁴⁰	23 ²³	T 20	
F 21	0 37 38	7 ²⁸ 30	28 ⁵²	26 ²³	23 ⁵³	25 ²⁵	23 ³¹	26 ³⁶	9 ⁸	12 ²⁰	15 ²⁶	2 ⁵⁰	3 ⁵⁷	23 ⁴⁶	23 ^{D23}	F 21	
S 22	0 41 35	8 ²⁷ 46	11 ¹⁹ 40	27 ⁵⁰	25 ⁷	25 ⁴⁷	23 ⁴⁴	26 ⁴²	9 ¹⁰	12 ¹⁹	15 ²⁵	2 ⁴¹	3 ⁵⁴	23 ⁵³	23 ²³	S 22	
S 23	0 45 31	9 ²⁷ 04	24 ¹⁷	29 ¹⁵	26 ²²	26 ¹⁰	23 ⁵⁷	26 ⁴⁹	9 ¹²	12 ¹⁹	15 ²⁴	2 ³¹	3 ⁵¹	24 ⁰	23 ²³	S 23	
M24	0 49 28	10 ²⁶ 24	6 ¹¹ 42	0 ¹¹ 40	27 ³⁶	26 ³¹	24 ¹⁰	26 ⁵⁵	9 ¹⁵	12 ¹⁸	15 ²³	2 ²¹	3 ⁴⁸	24 ⁶	23 ²³	M24	
T 25	0 53 24	11 ²⁵ 47	18 ⁵⁵	2 ³	28 ⁵¹	26 ⁵³	24 ²²	27 ¹	9 ¹⁷	12 ¹⁸	15 ²²	2 ¹³	3 ⁴⁴	24 ¹³	23 ²³	T 25	
W26	0 57 21	12 ²⁵ 11	0 ¹¹ 59	3 ²⁶	0 ¹¹ 5	27 ¹⁴	24 ³⁵	27 ⁷	9 ¹⁹	12 ¹⁷	15 ²¹	2 ⁶	3 ⁴¹	24 ¹⁹	23 ²³	W26	
T 27	1 1 17	13 ²⁴ 38	12 ⁵⁴	4 ⁴⁸	1 ²⁰	27 ³⁴	24 ⁴⁸	27 ¹³	9 ²²	12 ¹⁶	15 ²⁰	2 ²	3 ³⁸	24 ²⁶	23 ²⁴	T 27	
F 28	1 5 14	14 ²⁴ 07	24 ⁴²	6 ⁸	2 ³⁵	27 ⁵⁴	25 ⁰	27 ¹⁹	9 ²⁴	12 ¹⁶	15 ¹⁹	1 ⁵⁹	3 ³⁵	24 ³³	23 ²⁴	F 28	
S 29	1 9 10	15 ²³ 37	6 ¹⁹ 28	7 ²⁸	3 ⁴⁹	28 ¹³	25 ¹³	27 ²⁵	9 ²⁷	12 ¹⁵	15 ¹⁸	1 ^{D59}	3 ³²	24 ³⁹	23 ²⁵	S 29	
S 30	1 13 7	16 ¹¹ 23	0 ¹¹ 9	18 ¹⁵	8 ¹¹ 46	5 ¹¹ 4	28 ¹¹ 32	25 ¹⁹ 26	27 ¹⁹ 31	9 ¹⁹ 29	12 ¹¹ 14	15 ¹⁶	2 ¹⁹ 0	3 ¹⁹ 29	24 ¹¹ 46	23 ²⁵	S 30

Delta T = 147.08 sec

Julian Calendar 1 Sept. 1565 == Greg. Calendar 11 Sept. 1565

OCTOBER 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	1 17 4	17 ¹¹ 22'43	0 ³ 8	10 ¹¹ 3	6 ¹¹ 18	28 ¹¹ 51	25 ¹⁹ 38	27 ¹⁹ 37	9 ¹⁹ 32	12 ¹⁹ 13	15 ¹⁹ 15	2 ¹⁹ 2	3 ¹⁹ 25	24 ¹¹ 53	23 ³⁶ 26	M 1
T 2	1 21 0	18 ²² 19	12 ¹²	11 ¹⁹	7 ³³	29 ⁸	25 ⁵¹	27 ⁴³	9 ³⁴	12 ¹¹ 12	15 ¹⁴	2 ³	3 ²²	24 ⁵⁹	23 ²⁷	T 2
W 3	1 24 57	19 ²¹ 57	24 ³¹	12 ³³	8 ⁴⁷	29 ²⁶	26 ³	27 ⁴⁹	9 ³⁷	12 ¹²	15 ¹³	2 ^{R 3}	3 ¹⁹	25 ⁶	23 ²⁸	W 3
T 4	1 28 53	20 ²¹ 36	7 ¹¹ 12	13 ⁴⁶	10 ²	29 ⁴²	26 ¹⁵	27 ⁵⁴	9 ⁴⁰	12 ¹¹	15 ¹³	2 ¹	3 ¹⁶	25 ¹³	23 ²⁹	T 4
F 5	1 32 50	21 ²¹ 18	20 ¹⁷	14 ⁵⁷	11 ¹⁶	29 ⁵⁸	26 ²⁸	28 ⁰	9 ⁴²	12 ¹⁰	15 ¹²	1 ⁵⁸	3 ¹³	25 ¹⁹	23 ³⁰	F 5
S 6	1 36 46	22 ²¹ 00	3 ¹¹ 50	16 ⁶	12 ³¹	0 ¹¹ 14	26 ⁴⁰	28 ⁶	9 ⁴⁵	12 ⁹	15 ¹¹	1 ⁵³	3 ⁹	25 ²⁶	23 ³¹	S 6
S 7	1 40 43	23 ²⁰ 45	17 ⁵²	17 ¹³	13 ⁴⁵	0 ²⁹	26 ⁵²	28 ¹¹	9 ⁴⁸	12 ⁸	15 ¹⁰	1 ⁴⁸	3 ⁶	25 ³³	23 ³²	S 7
M 8	1 44 39	24 ²⁰ 31	2 ¹⁹ 20	18 ¹⁸	15 ⁰	0 ⁴³	27 ⁵	28 ¹⁶	9 ⁵¹	12 ⁷	15 ⁹	1 ⁴²	3 ³	25 ³⁹	23 ³³	M 8
T 9	1 48 36	25 ²⁰ 19	17 ⁸	19 ²⁰	16 ¹⁴	0 ⁵⁷	27 ¹⁷	28 ²²	9 ⁵³	12 ⁶	15 ⁸	1 ³⁶	3 ⁰	25 ⁴⁶	23 ³⁴	T 9
W10	1 52 32	26 ²⁰ 10	2 ¹¹ 10	20 ²⁰	17 ²⁹	1 ¹⁰	27 ²⁹	28 ²⁷	9 ⁵⁶	12 ⁵	15 ⁷	1 ³²	2 ⁵⁷	25 ⁵²	23 ³⁶	W10
T 11	1 56 29	27 ²⁰ 02	17 ¹⁵	21 ¹⁷	18 ⁴³	1 ²²	27 ⁴¹	28 ³²	9 ⁵⁹	12 ⁴	15 ⁶	1 ³⁰	2 ⁵⁴	25 ⁵⁹	23 ³⁷	T 11
F 12	2 0 26	28 ¹⁹ 56	2 ¹¹ 16	22 ¹⁰	19 ⁵⁷	1 ³⁴	27 ⁵³	28 ³⁷	10 ²	12 ³	15 ⁵	1 ^{D29}	2 ⁵⁰	26 ⁶	23 ³⁸	F 12
S 13	2 4 22	29 ¹⁹ 53	17 ³	23 ⁰	21 ¹²	1 ⁴⁵	28 ⁵	28 ⁴²	10 ⁵	12 ¹	15 ⁵	1 ³⁰	2 ⁴⁷	26 ¹²	23 ⁴⁰	S 13
S 14	2 8 19	0 ¹¹ 19	5 ¹¹ 32	23 ⁴⁵	22 ²⁶	1 ⁵⁶	28 ¹⁷	28 ⁴⁷	10 ⁸	12 ⁰	15 ⁴	1 ³¹	2 ⁴⁴	26 ¹⁹	23 ⁴²	S 14
M15	2 12 15	1 ¹⁹ 52	15 ⁴⁰	24 ²⁶	23 ⁴¹	2 ⁵	28 ²⁹	28 ⁵²	10 ¹¹	11 ⁵⁹	15 ³	1 ³²	2 ⁴¹	26 ²⁶	23 ⁴³	M15
T 16	2 16 12	2 ¹⁹ 55	29 ²⁵	25 ²	24 ⁵⁵	2 ¹⁴	28 ⁴¹	28 ⁵⁷	10 ¹⁴	11 ⁵⁸	15 ²	1 ^{R33}	2 ³⁸	26 ³²	23 ⁴⁵	T 16
W17	2 20 8	3 ²⁰ 01	12 ¹¹ 50	25 ³²	26 ¹⁰	2 ²³	28 ⁵³	29 ¹	10 ¹⁷	11 ⁵⁷	15 ¹	1 ³³	2 ³⁵	26 ³⁹	23 ⁴⁷	W17
T 18	2 24 5	4 ²⁰ 08	25 ⁵⁴	25 ⁵⁶	27 ²⁴	2 ³⁰	29 ⁴	29 ⁶	10 ²⁰	11 ⁵⁵	15 ¹	1 ³¹	2 ³¹	26 ⁴⁶	23 ⁴⁹	T 18
F 19	2 28 1	5 ²⁰ 17	8 ¹⁹ 42	26 ¹³	28 ³⁹	2 ³⁷	29 ¹⁶	29 ¹¹	10 ²⁴	11 ⁵⁴	15 ⁰	1 ²⁸	2 ²⁸	26 ⁵²	23 ⁵¹	F 19
S 20	2 31 58	6 ²⁰ 29	21 ¹⁵	26 ²²	29 ⁵³	2 ⁴³	29 ²⁸	29 ¹⁵	10 ²⁷	11 ⁵³	14 ⁵⁹	1 ²⁵	2 ²⁵	26 ⁵⁹	23 ⁵³	S 20
S 21	2 35 55	7 ²⁰ 42	3 ¹¹ 35	26 ^{R24}	1 ¹⁹ 7	2 ⁴⁸	29 ³⁹	29 ¹⁹	10 ³⁰	11 ⁵²	14 ⁵⁹	1 ²⁰	2 ²²	27 ⁶	23 ⁵⁵	S 21
M22	2 39 51	8 ²⁰ 58	15 ⁴⁵	26 ¹⁶	2 ²²	2 ⁵²	29 ⁵¹	29 ²⁴	10 ³³	11 ⁵⁰	14 ⁵⁸	1 ¹⁶	2 ¹⁹	27 ¹²	23 ⁵⁷	M22
T 23	2 43 48	9 ²¹ 15	27 ⁴⁶	25 ⁵⁹	3 ³⁶	2 ⁵⁶	0 ¹¹ 2	29 ²⁸	10 ³⁶	11 ⁴⁹	14 ⁵⁷	1 ¹³	2 ¹⁵	27 ¹⁹	23 ⁵⁹	T 23
W24	2 47 44	10 ²¹ 34	9 ¹¹ 40	25 ³³	4 ⁵¹	2 ⁵⁹	0 ¹³	29 ³²	10 ⁴⁰	11 ⁴⁷	14 ⁵⁷	1 ¹⁰	2 ¹²	27 ²⁶	24 ²	W24
T 25	2 51 41	11 ²¹ 55	21 ³⁰	24 ⁵⁶	6 ⁵	3 ¹	0 ²⁵	29 ³⁶	10 ⁴³	11 ⁴⁶	14 ⁵⁶	1 ⁹	2 ⁹	27 ³²	24 ⁴	T 25
F 26	2 55 37	12 ²² 18	3 ¹⁹ 17	24 ⁹	7 ¹⁹	3 ²	0 ³⁶	29 ⁴⁰	10 ⁴⁶	11 ⁴⁵	14 ⁵⁵	1 ^{D 9}	2 ⁶	27 ³⁹	24 ⁶	F 26
S 27	2 59 34	13 ²² 42	15 ⁴	23 ¹³	8 ³⁴	3 ^{R 2}	0 ⁴⁷	29 ⁴⁴	10 ⁵⁰	11 ⁴³	14 ⁵⁵	1 ⁹	2 ³	27 ⁴⁵	24 ⁹	S 27
S 28	3 3 30	14 ²³ 08	26 ⁵³	22 ⁸	9 ⁴⁸	3 ²	0 ⁵⁸	29 ⁴⁷	10 ⁵³	11 ⁴²	14 ⁵⁴	1 ¹⁰	2 ⁰	27 ⁵²	24 ¹¹	S 28
M29	3 7 27	15 ²³ 35	8 ³ 47	20 ⁵⁷	11 ³	3 ⁰	1 ⁹	29 ⁵¹	10 ⁵⁶	11 ⁴⁰	14 ⁵⁴	1 ¹²	1 ⁵⁶	27 ⁵⁹	24 ¹⁴	M29
T 30	3 11 24	16 ²⁴ 04	20 ⁵²	19 ³⁹	12 ¹⁷	2 ⁵⁸	1 ²⁰	29 ⁵⁴	11 ⁰	11 ³⁹	14 ⁵³	1 ¹³	1 ⁵³	28 ⁵	24 ¹⁷	T 30
W31	3 15 20	17 ²⁴ 34	3 ¹¹ 10	18 ¹¹ 19	13 ¹⁹ 31	2 ⁵⁵	1 ¹¹ 31	29 ¹¹ 58	11 ¹⁹ 3	11 ¹¹ 37	14 ¹¹ 53	1 ¹⁹ 14	1 ¹⁹ 50	28 ¹¹ 12	24 ¹⁹ 20	W31

ASTRODIENST EPHEMERIS for the year 1565

geocentric

NOVEMBER 1565 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 19 17	18 ¹¹ 25'05	15 ²² 46	16 ⁰ R58	14 ²⁷ 46	2 ⁰ R51	1 ⁴² 42	0 ¹¹ 1	11 ²⁷ 7	11 ⁰ R36	14 ⁰ R53	1 ⁰ R15	1 ²⁷ 47	28 ¹¹ 19	24 ² 22	T 1
F 2	3 23 13	19 ⁰ 25'38	28 ⁰ 45	15 ¹¹ 40	16 ⁰ 0	2 ⁰ 546	1 ⁵²	0 ⁰ 5	11 ¹⁰ 10	11 ¹¹ 34	14 ¹¹ 52	1 ²⁷ 15	1 ⁰ 44	28 ⁰ 25	24 ² 25	F 2
S 3	3 27 10	20 ⁰ 26'11	12 ¹¹ 9	14 ² 26	17 ¹ 14	2 ⁰ 40	2 ⁰ 3	0 ⁰ 8	11 ¹³ 13	11 ¹³ 33	14 ⁰ 52	1 ⁰ 14	1 ⁰ 40	28 ⁰ 32	24 ² 28	S 3
S 4	3 31 6	21 ⁰ 26'46	26 ⁰ 1	13 ⁰ 19	18 ⁰ 29	2 ⁰ 34	2 ⁰ 13	0 ⁰ 11	11 ¹⁷ 17	11 ¹³ 31	14 ⁰ 51	1 ⁰ 13	1 ⁰ 37	28 ⁰ 39	24 ² 31	S 4
M 5	3 35 3	22 ⁰ 27'23	10 ¹⁷ 20	12 ⁰ 21	19 ⁰ 43	2 ⁰ 26	2 ⁰ 24	0 ⁰ 14	11 ²⁰ 20	11 ¹² 29	14 ⁰ 51	1 ⁰ 12	1 ⁰ 34	28 ⁰ 45	24 ² 34	M 5
T 6	3 38 59	23 ⁰ 28'00	25 ⁰ 4	11 ⁰ 33	20 ⁰ 57	2 ⁰ 18	2 ⁰ 34	0 ⁰ 16	11 ²⁴ 24	11 ¹² 28	14 ⁰ 51	1 ⁰ 11	1 ⁰ 31	28 ⁰ 52	24 ² 37	T 6
W 7	3 42 56	24 ⁰ 28'39	10 ¹⁸ 7	10 ⁰ 57	22 ⁰ 11	2 ⁰ 9	2 ⁰ 44	0 ⁰ 19	11 ²⁸ 28	11 ¹² 26	14 ⁰ 50	1 ⁰ 10	1 ⁰ 28	28 ⁰ 59	24 ² 40	W 7
T 8	3 46 53	25 ⁰ 29'19	25 ⁰ 20	10 ⁰ 32	23 ⁰ 26	1 ⁰ 59	2 ⁰ 54	0 ⁰ 22	11 ³¹ 31	11 ¹² 25	14 ⁰ 50	1 ⁰ D10	1 ⁰ 25	29 ⁰ 5	24 ² 44	T 8
F 9	3 50 49	26 ⁰ 30'01	10 ¹⁸ 34	10 ⁰ 20	24 ⁰ 40	1 ⁰ 48	3 ⁰ 4	0 ⁰ 24	11 ³⁵ 35	11 ¹² 23	14 ⁰ 50	1 ⁰ 10	1 ⁰ 21	29 ⁰ 12	24 ² 47	F 9
S 10	3 54 46	27 ⁰ 30'44	25 ⁰ 39	10 ⁰ D18	25 ⁰ 54	1 ⁰ 37	3 ⁰ 14	0 ⁰ 27	11 ³⁸ 38	11 ¹² 21	14 ⁰ 50	1 ⁰ 10	1 ⁰ 18	29 ⁰ 18	24 ² 50	S 10
S 11	3 58 42	28 ⁰ 31'28	10 ¹⁸ 27	10 ⁰ 27	27 ⁰ 8	1 ⁰ 24	3 ⁰ 24	0 ⁰ 29	11 ⁴² 42	11 ¹² 20	14 ⁰ 49	1 ⁰ 10	1 ⁰ 15	29 ⁰ 25	24 ² 54	S 11
M12	4 2 39	29 ⁰ 32'14	24 ⁰ 52	10 ⁰ 45	28 ⁰ 22	1 ⁰ 11	3 ⁰ 34	0 ⁰ 31	11 ⁴⁵ 45	11 ¹¹ 18	14 ⁰ 49	1 ⁰ 11	1 ⁰ 12	29 ⁰ 32	24 ² 57	M12
T 13	4 6 35	0 ²⁷ 33'02	8 ¹² 50	11 ⁰ 13	29 ⁰ 37	0 ⁰ 57	3 ⁰ 44	0 ⁰ 34	11 ⁴⁹ 49	11 ¹¹ 16	14 ⁰ 49	1 ⁰ 11	1 ⁰ 9	29 ⁰ 38	25 ⁰ 1	T 13
W14	4 10 32	1 ⁰ 33'51	22 ⁰ 22	11 ⁰ 49	0 ⁰ 51	0 ⁰ 42	3 ⁰ 53	0 ⁰ 36	11 ⁵³ 53	11 ¹¹ 15	14 ⁰ 49	1 ⁰ R11	1 ⁰ 6	29 ⁰ 45	25 ⁰ 4	W14
T 15	4 14 28	2 ⁰ 34'41	5 ¹¹ 28	12 ⁰ 32	2 ⁰ 5	0 ⁰ 26	4 ⁰ 3	0 ⁰ 38	11 ⁵⁶ 56	11 ¹¹ 13	14 ⁰ 49	1 ⁰ D11	1 ⁰ 2	29 ⁰ 52	25 ⁰ 8	T 15
F 16	4 18 25	3 ⁰ 35'33	18 ⁰ 12	13 ⁰ 21	3 ⁰ 19	0 ⁰ 9	4 ⁰ 12	0 ⁰ 39	12 ⁰ 0	11 ¹¹ 11	14 ⁰ 49	1 ⁰ 11	0 ⁰ 59	29 ⁰ 58	25 ⁰ 11	F 16
S 17	4 22 22	4 ⁰ 36'26	0 ²⁷ 37	14 ⁰ 16	4 ⁰ 33	29 ¹¹ 52	4 ⁰ 21	0 ⁰ 41	12 ⁰ 3	11 ¹⁰ 10	14 ⁰ 49	1 ⁰ 11	0 ⁰ 56	0 ²⁷ 5	25 ⁰ 15	S 17
S 18	4 26 18	5 ⁰ 37'21	12 ⁰ 48	15 ⁰ 16	5 ⁰ 47	29 ⁰ 34	4 ⁰ 30	0 ⁰ 43	12 ⁰ 7	11 ⁰ 8	14 ⁰ 49	1 ⁰ 11	0 ⁰ 53	0 ⁰ 12	25 ⁰ 19	S 18
M19	4 30 15	6 ⁰ 38'17	24 ⁰ 48	16 ⁰ 20	7 ⁰ 1	29 ⁰ 16	4 ⁰ 39	0 ⁰ 44	12 ⁰ 11	11 ⁰ 6	14 ⁰ D49	1 ⁰ 12	0 ⁰ 50	0 ⁰ 18	25 ⁰ 23	M19
T 20	4 34 11	7 ⁰ 39'14	6 ¹¹ 41	17 ⁰ 28	8 ⁰ 15	28 ⁰ 57	4 ⁰ 48	0 ⁰ 46	12 ⁰ 14	11 ⁰ 5	14 ⁰ 49	1 ⁰ 13	0 ⁰ 46	0 ⁰ 25	25 ⁰ 27	T 20
W21	4 38 8	8 ⁰ 40'13	18 ⁰ 29	18 ⁰ 39	9 ⁰ 29	28 ⁰ 37	4 ⁰ 57	0 ⁰ 47	12 ⁰ 18	11 ⁰ 3	14 ⁰ 49	1 ⁰ 13	0 ⁰ 43	0 ⁰ 32	25 ⁰ 30	W21
T 22	4 42 4	9 ⁰ 41'12	0 ²⁷ 16	19 ⁰ 53	10 ⁰ 44	28 ⁰ 16	5 ⁰ 6	0 ⁰ 48	12 ⁰ 22	11 ⁰ 1	14 ⁰ 49	1 ⁰ R13	0 ⁰ 40	0 ⁰ 38	25 ⁰ 34	T 22
F 23	4 46 1	10 ⁰ 42'12	12 ⁰ 4	21 ⁰ 9	11 ⁰ 58	27 ⁰ 55	5 ⁰ 14	0 ⁰ 49	12 ⁰ 25	11 ⁰ 0	14 ⁰ 49	1 ⁰ 13	0 ⁰ 37	0 ⁰ 45	25 ⁰ 38	F 23
S 24	4 49 57	11 ⁰ 43'14	23 ⁰ 54	22 ⁰ 28	13 ⁰ 12	27 ⁰ 34	5 ⁰ 22	0 ⁰ 50	12 ⁰ 29	10 ⁰ 58	14 ⁰ 49	1 ⁰ 13	0 ⁰ 34	0 ⁰ 52	25 ⁰ 42	S 24
S 25	4 53 54	12 ⁰ 44'16	5 ²⁵ 50	23 ⁰ 48	14 ⁰ 25	27 ⁰ 12	5 ⁰ 31	0 ⁰ 51	12 ⁰ 33	10 ⁰ 56	14 ⁰ 49	1 ⁰ 11	0 ⁰ 31	0 ⁰ 58	25 ⁰ 47	S 25
M26	4 57 51	13 ⁰ 45'19	17 ⁰ 53	25 ⁰ 10	15 ⁰ 39	26 ⁰ 50	5 ⁰ 39	0 ⁰ 51	12 ⁰ 36	10 ⁰ 54	14 ⁰ 49	1 ⁰ 9	0 ⁰ 27	1 ⁰ 5	25 ⁰ 51	M26
T 27	5 1 47	14 ⁰ 46'22	0 ²⁷ 5	26 ⁰ 33	16 ⁰ 53	26 ⁰ 27	5 ⁰ 47	0 ⁰ 52	12 ⁰ 40	10 ⁰ 53	14 ⁰ 49	1 ⁰ 7	0 ⁰ 24	1 ⁰ 11	25 ⁰ 55	T 27
W28	5 5 44	15 ⁰ 47'27	12 ⁰ 29	27 ⁰ 57	18 ⁰ 7	26 ⁰ 4	5 ⁰ 55	0 ⁰ 53	12 ⁰ 44	10 ⁰ 51	14 ⁰ 50	1 ⁰ 5	0 ⁰ 21	1 ⁰ 18	25 ⁰ 59	W28
T 29	5 9 40	16 ⁰ 48'31	25 ⁰ 8	29 ⁰ 22	19 ⁰ 21	25 ⁰ 41	6 ⁰ 3	0 ⁰ 53	12 ⁰ 47	10 ⁰ 49	14 ⁰ 50	1 ⁰ 3	0 ⁰ 18	1 ⁰ 25	26 ⁰ 3	T 29
F 30	5 13 37	17 ⁰ 49'36	8 ¹¹ 4	0 ²⁷ 48	20 ⁰ 35	25 ¹¹ 18	6 ²⁵ 10	0 ¹¹ 53	12 ⁰ 51	10 ¹¹ 48	14 ¹¹ 50	1 ²⁷ 2	0 ²⁷ 15	1 ²⁷ 31	26 ²⁷ 7	F 30

Delta T = 146.75 sec

Julian Calendar 1 Nov. 1565 == Greg. Calendar 11 Nov. 1565

DECEMBER 1565 JC

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	5 17 33	18 ²⁷ 50'41	21 ¹¹ 20	2 ²⁷ 15	21 ²³ 49	24 ⁰ R54	6 ²⁵ 18	0 ¹¹ 53	12 ⁰ 55	10 ⁰ R46	14 ¹¹ 50	1 ⁰ D 2	0 ²⁷ 12	1 ²⁷ 38	26 ²³ 12	S 1
S 2	5 21 30	19 ⁰ 51'47	4 ¹⁷ 59	3 ⁰ 42	23 ⁰ 2	24 ¹¹ 31	6 ²⁵	0 ⁰ R53	12 ⁰ 58	10 ¹¹ 44	14 ⁰ 51	1 ²⁷ 3	0 ⁰ 8	1 ⁰ 45	26 ⁰ 16	S 2
M 3	5 25 26	20 ⁰ 52'53	19 ⁰ 2	5 ⁰ 11	24 ⁰ 16	24 ⁰ 7	6 ³²	0 ⁰ 53	13 ⁰ 2	10 ⁰ 43	14 ⁰ 51	1 ⁰ 4	0 ⁰ 5	1 ⁰ 51	26 ⁰ 21	M 3
T 4	5 29 23	21 ⁰ 53'59	3 ¹⁸ 28	6 ⁰ 39	25 ⁰ 30	23 ⁰ 43	6 ³⁹	0 ⁰ 53	13 ⁰ 6	10 ⁰ 41	14 ⁰ 51	1 ⁰ 5	0 ⁰ 2	1 ⁰ 58	26 ⁰ 25	T 4
W 5	5 33 20	22 ⁰ 55'05	18 ⁰ 14	8 ⁰ 8	26 ⁰ 44	23 ⁰ 20	6 ⁴⁶	0 ⁰ 53	13 ⁰ 9	10 ⁰ 39	14 ⁰ 52	1 ⁰ 7	29 ¹¹ 59	2 ⁰ 5	26 ⁰ 29	W 5
T 6	5 37 16	23 ⁰ 56'12	3 ¹¹ 15	9 ⁰ 38	27 ⁰ 57	22 ⁰ 56	6 ⁵³	0 ⁰ 52	13 ⁰ 13	10 ⁰ 38	14 ⁰ 52	1 ⁰ R 7	29 ⁰ 56	2 ⁰ 11	26 ⁰ 34	T 6
F 7	5 41 13	24 ⁰ 57'19	18 ⁰ 24	11 ⁰ 8	29 ⁰ 11	22 ⁰ 33	7 ⁰ 0	0 ⁰ 52	13 ⁰ 16	10 ⁰ 36	14 ⁰ 53	1 ⁰ 6	29 ⁰ 52	2 ⁰ 18	26 ⁰ 38	F 7
S 8	5 45 9	25 ⁰ 58'27	3 ²³ 31	12 ⁰ 38	0 ²⁷ 24	22 ⁰ 9	7 ⁰ 6	0 ⁰ 51	13 ⁰ 20	10 ⁰ 34	14 ⁰ 53	1 ⁰ 4	29 ⁰ 49	2 ⁰ 25	26 ⁰ 43	S 8
S 9	5 49 6	26 ⁰ 59'35	18 ⁰ 27	14 ⁰ 9	1 ⁰ 38	21 ⁰ 46	7 ¹³	0 ⁰ 50	13 ⁰ 24	10 ⁰ 33	14 ⁰ 53	1 ⁰ 1	29 ⁰ 46	2 ⁰ 31	26 ⁰ 48	S 9
M10	5 53 2	28 ⁰ 0'43	3 ¹² 3	15 ⁰ 40	2 ⁰ 51	21 ⁰ 24	7 ¹⁹	0 ⁰ 50	13 ⁰ 27	10 ⁰ 31	14 ⁰ 54	0 ⁰ 57	29 ⁰ 43	2 ⁰ 38	26 ⁰ 52	M10
T 11	5 56 59	29 ⁰ 1'52	17 ⁰ 14	17 ⁰ 11	4 ⁰ 5	21 ⁰ 1	7 ²⁵	0 ⁰ 49	13 ⁰ 31	10 ⁰ 30	14 ⁰ 54	0 ⁰ 53	29 ⁰ 40	2 ⁰ 45	26 ⁰ 57	T 11
W12	6 0 56	0 ²³ 3'01	0 ¹¹ 57	18 ⁰ 43	5 ⁰ 18	20 ⁰ 39	7 ³¹	0 ⁰ 48	13 ⁰ 34	10 ⁰ 28	14 ⁰ 55	0 ⁰ 49	29 ⁰ 37	2 ⁰ 51	27 ⁰ 1	W12
T 13	6 4 52	1 ⁰ 4'11	14 ⁰ 12	20 ⁰ 14	6 ⁰ 31	20 ⁰ 17	7 ³⁷	0 ⁰ 46	13 ⁰ 38	10 ⁰ 26	14 ⁰ 56	0 ⁰ 46	29 ⁰ 33	2 ⁰ 58	27 ⁰ 6	T 13
F 14	6 8 49	2 ⁰ 5'21	27 ⁰ 0	21 ⁰ 47	7 ⁰ 45	19 ⁰ 56	7 ⁴²	0 ⁰ 45	13 ⁰ 41	10 ⁰ 25	14 ⁰ 56	0 ⁰ D45	29 ⁰ 30	3 ⁰ 4	27 ⁰ 11	F 14
S 15	6 12 45	3 ⁰ 6'31	9 ²⁵ 26	23 ⁰ 19	8 ⁰ 58	19 ⁰ 35	7 ⁴⁸	0 ⁰ 44	13 ⁰ 45	10 ⁰ 23	14 ⁰ 57	0 ⁰ 45	29 ⁰ 27	3 ⁰ 11	27 ⁰ 16	S 15
S 16	6 16 42	4 ⁰ 7'42	21 ⁰ 35	24 ⁰ 52	10 ⁰ 11	19 ⁰ 15	7 ⁵³	0 ⁰ 42	13 ⁰ 48	10 ⁰ 22	14 ⁰ 57	0 ⁰ 46	29 ⁰ 24	3 ⁰ 18	27 ⁰ 20	S 16
M17	6 20 38	5 ⁰ 8'53	3 ¹¹ 32	26 ⁰ 25	11 ⁰ 24	18 ⁰ 55	7 ⁵⁸	0 ⁰ 41	13 ⁰ 52	10 ⁰ 20	14 ⁰ 58	0 ⁰ 48	29 ⁰ 21	3 ⁰ 24	27 ⁰ 25	M17
T 18	6 24 35	6 ⁰ 10'05	15 ⁰ 21	27 ⁰ 59	12 ⁰ 37	18 ⁰ 36	8 ⁰ 3	0 ⁰ 39	13 ⁰ 55	10 ⁰ 19	14 ⁰ 59	0 ⁰ 50	29 ⁰ 18	3 ⁰ 31	27 ⁰ 30	T 18
W19	6 28 31	7 ⁰ 11'16	27 ⁰ 6	29 ⁰ 33	13 ⁰ 50	18 ⁰ 18	8 ⁰ 8	0 ⁰ 37	13 ⁰ 59	10 ⁰ 17	14 ⁰ 59	0 ⁰ R51	29 ⁰ 14	3 ⁰ 38	27 ⁰ 35	W19
T 20	6 32 28	8 ⁰ 12'28	8 ²⁷ 53	1 ²³ 7	15 ⁰ 3	18 ⁰ 0	8 ¹³	0 ⁰ 35	14 ⁰ 2	10 ⁰ 16	15 ⁰ 0	0 ⁰ 51	29 ⁰ 11	3 ⁰ 44	27 ⁰ 40	T 20
F 21	6 36 25	9 ⁰ 13'40	20 ⁰ 44	2 ⁰ 42	16 ⁰ 16	17 ⁰ 43	8 ¹⁷	0 ⁰ 33	14 ⁰ 6	10 ⁰ 14	15 ⁰ 1	0 ⁰ 48	29 ⁰ 8	3 ⁰ 51	27 ⁰ 45	F 21
S 22	6 40 21	10 ⁰ 14'52	2 ²³ 42	4 ⁰ 17	17 ⁰ 29	17 ⁰ 26	8 ²¹	0 ⁰ 31	14 ⁰ 9	10 ⁰ 13	15 ⁰ 2	0 ⁰ 44	29 ⁰ 5	3 ⁰ 58	27 ⁰ 49	S 22
S 23	6 44 18	11 ⁰ 16'03	14 ⁰ 49	5 ⁰ 52	18 ⁰ 42	17 ⁰ 11	8 ²⁶	0 ⁰ 29	14 ⁰ 12	10 ⁰ 12	15 ⁰ 3	0 ⁰ 38	29 ⁰ 2	4 ⁰ 4	27 ⁰ 54	S 23
M24	6 48 14	12 ⁰ 17'15	27 ⁰ 5	7 ⁰ 28	19 ⁰ 55	16 ⁰ 56	8 ³⁰	0 ⁰ 26	14 ⁰ 16	10 ⁰ 10	15 ⁰ 3	0 ⁰ 31	28 ⁰ 58	4 ⁰ 11	27 ⁰ 59	M24
T 25	6 52 11	13 ⁰ 18'26	9 ²³ 33	9 ⁰ 4	21 ⁰ 7	16 ⁰ 42	8 ³³	0 ⁰ 24	14 ⁰ 19	10 ⁰ 9	15 ⁰ 4	0 ⁰ 22	28 ⁰ 55	4 ⁰ 18	28 ⁰ 4	T 25
W26	6 56 7	14 ⁰ 19'36	22 ⁰ 12	10 ⁰ 41	22 ⁰ 20	16 ⁰ 28	8 ³⁷	0 ⁰ 21	14 ⁰ 22	10 ⁰ 7	15 ⁰ 5	0 ⁰ 14	28 ⁰ 52	4 ⁰ 24	28 ⁰ 9	W26
T 27	7 0 4	15 ⁰ 20'46	5 ¹¹ 3	12 ⁰ 18	23 ⁰ 32	16 ⁰ 15	8 ⁴⁰	0 ⁰ 19	14 ⁰ 26	10 ⁰ 6	15 ⁰ 6	0 ⁰ 7	28 ⁰ 49	4 ⁰ 31	28 ⁰ 14	T 27
F 28	7 4 0	16 ⁰ 21'56	18 ⁰ 7	13 ⁰ 56	24 ⁰ 45	16 ⁰ 4	8 ⁴⁴	0 ⁰ 16	14 ⁰ 29	10 ⁰ 5	15 ⁰ 7	0 ⁰ 1	28 ⁰ 46	4 ⁰ 37	28 ⁰ 19	F 28
S 29	7 7 57	17 ⁰ 23'05	1 ¹⁷ 26	15 ⁰ 34	25 ⁰ 57	15 ⁰ 53	8 ⁴⁷	0 ⁰ 13	14 ⁰ 32	10 ⁰ 3	15 ⁰ 8	29 ¹¹ 58	28 ⁰ 43	4 ⁰ 44	28 ⁰ 24	S 29
S 30	7 11 54	18 ⁰ 24'13	15 ⁰ 0	17 ⁰ 12	27 ⁰ 10	15 ⁰ 42	8 ⁵⁰	0 ⁰ 10	14 ⁰ 35	10 ⁰ 2	15 ⁰ 9	29 ⁰ D57	28 ⁰ 39	4 ⁰ 51	28 ⁰ 29	S 30
M31	7 15 50	19 ⁰ 25'20	28 ⁰ 15	18 ⁰ 51	28 ²² 22	15 ¹¹ 33	8 ⁵²	0 ¹¹ 7	14 ²⁷ 39	10 ¹¹ 1	15 ¹¹ 10	29 ¹¹ 57	28 ¹¹ 36	4 ²⁷ 57	28 ²³ 34	M31