



Astrodienst Ephemeris Tables for the year 1568

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 1568
geocentric

JANUARY 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	7 17 52	19°35'39	7°14	8°12	27°R53	4°R39	2°12	27°R 4	22°53	14°R35	17°H29	19°R36	19°154	26°332	9°447	T 1
F 2	7 21 48	20°57'47	19°10	8°43	27°R40	4°17	2°23	27°H 4	22°56	14°H33	17°30	19°123	19°50	26°38	9°51	F 2
S 3	7 25 45	21°58'54	1°H 1	9° 3	27°30	3°55	2°34	27° 3	23° 0	14°32	17°31	19°13	19°47	26°45	9°56	S 3
S 4	7 29 41	23° 0'00	12°49	9°R13	27°23	3°32	2°44	27° 3	23° 3	14°31	17°32	19° 5	19°44	26°52	10° 0	S 4
M 5	7 33 38	24° 1'06	24°37	9°12	27°18	3° 9	2°55	27° 2	23° 6	14°30	17°33	19° 1	19°41	26°58	10° 5	M 5
T 6	7 37 34	25° 2'10	6°Y31	8°59	27°15	2°45	3° 6	27° 1	23° 9	14°28	17°34	18°59	19°38	27° 5	10° 9	T 6
W 7	7 41 31	26° 3'14	18°35	8°34	27°D15	2°22	3°16	27° 0	23°13	14°27	17°35	18°58	19°34	27°12	10°14	W 7
T 8	7 45 27	27° 4'16	0°B54	7°58	27°17	1°58	3°27	26°59	23°16	14°26	17°36	18°58	19°31	27°19	10°18	T 8
F 9	7 49 24	28° 5'17	13°34	7°12	27°22	1°34	3°37	26°57	23°19	14°25	17°37	18°57	19°28	27°25	10°23	F 9
S 10	7 53 21	29° 6'18	26°40	6°16	27°29	1°10	3°47	26°56	23°22	14°24	17°38	18°55	19°25	27°32	10°27	S 10
S 11	7 57 17	0° 7'17	10°H15	5°12	27°38	0°46	3°57	26°55	23°25	14°23	17°39	18°50	19°22	27°39	10°32	S 11
M12	8 1 14	1° 8'15	24°20	4° 3	27°50	0°22	4° 7	26°53	23°28	14°22	17°40	18°42	19°19	27°45	10°36	M12
T 13	8 5 10	2° 9'12	8°B54	2°49	28° 3	29°B58	4°17	26°51	23°31	14°21	17°41	18°32	19°15	27°52	10°41	T 13
W14	8 9 7	3°10'08	23°51	1°34	28°19	29°34	4°27	26°50	23°34	14°20	17°42	18°20	19°12	27°59	10°46	W14
T 15	8 13 3	4°11'03	9°H 2	0°19	28°37	29°10	4°37	26°48	23°37	14°19	17°44	18° 9	19° 9	28° 5	10°50	T 15
F 16	8 17 0	5°11'57	24°16	29°B 8	28°57	28°47	4°46	26°46	23°40	14°18	17°45	17°59	19° 6	28°12	10°55	F 16
S 17	8 20 56	6°12'50	9°H23	28° 0	29°18	28°23	4°56	26°44	23°43	14°17	17°46	17°52	19° 3	28°19	10°59	S 17
S 18	8 24 53	7°13'41	24°13	26°58	29°42	28° 0	5° 5	26°42	23°46	14°16	17°47	17°48	19° 0	28°26	11° 4	S 18
M19	8 28 50	8°14'32	8°B42	26° 3	0°B 7	27°38	5°14	26°39	23°49	14°15	17°48	17°46	18°56	28°32	11° 9	M19
T 20	8 32 46	9°15'22	22°45	25°16	0°34	27°15	5°23	26°37	23°52	14°14	17°50	17°D45	18°53	28°39	11°13	T 20
W21	8 36 43	10°16'12	6°H23	24°38	1° 3	26°54	5°32	26°35	23°54	14°13	17°51	17°R46	18°50	28°46	11°18	W21
T 22	8 40 39	11°17'00	19°38	24° 7	1°33	26°32	5°41	26°32	23°57	14°13	17°52	17°45	18°47	28°52	11°22	T 22
F 23	8 44 36	12°17'47	2°H34	23°45	2° 5	26°11	5°50	26°29	24° 0	14°12	17°54	17°43	18°44	28°59	11°27	F 23
S 24	8 48 32	13°18'34	15°14	23°32	2°38	25°51	5°59	26°27	24° 3	14°11	17°55	17°39	18°40	29° 6	11°32	S 24
S 25	8 52 29	14°19'19	27°40	23°D26	3°13	25°31	6° 7	26°24	24° 5	14°10	17°56	17°32	18°37	29°12	11°36	S 25
M26	8 56 25	15°20'03	9°B56	23°27	3°49	25°11	6°16	26°21	24° 8	14°10	17°57	17°22	18°34	29°19	11°41	M26
T 27	9 0 22	16°20'46	22° 3	23°35	4°26	24°53	6°24	26°18	24°11	14° 9	17°59	17°11	18°31	29°26	11°45	T 27
W28	9 4 19	17°21'28	4° 4	23°50	5° 5	24°35	6°32	26°15	24°13	14° 8	18° 0	16°58	18°28	29°32	11°50	W28
T 29	9 8 15	18°22'08	15°59	24°11	5°45	24°17	6°40	26°12	24°16	14° 8	18° 2	16°47	18°25	29°39	11°55	T 29
F 30	9 12 12	19°22'47	27°51	24°38	6°26	24° 0	6°48	26° 9	24°18	14° 7	18° 3	16°36	18°21	29°46	11°59	F 30
S 31	9 16 8	20°23'24	9°H40	25°B10	7°B 8	23°B44	6°H56	26°H 5	24°H20	14°H 7	18°H 4	16°B28	18°B18	29°H52	12°H 4	S 31

Delta T = 142.46 sec

Julian Calendar 1 Jan. 1568 == Greg. Calendar 11 Jan. 1568

FEBRUARY 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	9 20 5	21°23'59	21°H29	25°B46	7°B51	23°R29	7°H 3	26°R 2	24°H23	14°R 6	18°H 6	16°R22	18°B15	29°H59	12°H 8	S 1
M 2	9 24 1	22°24'33	3°Y20	26°27	8°35	23°B15	7°11	25°H58	24°25	14°H 6	18° 7	16°B18	18°12	0°H 6	12°13	M 2
T 3	9 27 58	23°25'05	15°16	27°12	9°20	23° 1	7°18	25°55	24°27	14° 6	18° 9	16°D17	18° 9	0°13	12°17	T 3
W 4	9 31 54	24°25'36	27°21	28° 1	10° 6	22°48	7°25	25°51	24°30	14° 5	18°10	16°18	18° 5	0°19	12°22	W 4
T 5	9 35 51	25°26'04	9°B39	28°53	10°53	22°35	7°32	25°47	24°32	14° 5	18°11	16°19	18° 2	0°26	12°27	T 5
F 6	9 39 47	26°26'31	22°16	29°48	11°41	22°24	7°39	25°44	24°34	14° 5	18°13	16°R20	17°59	0°33	12°31	F 6
S 7	9 43 44	27°26'56	5°H15	0°H46	12°29	22°13	7°46	25°40	24°36	14° 4	18°14	16°20	17°56	0°39	12°36	S 7
S 8	9 47 41	28°27'19	18°42	1°47	13°18	22° 3	7°53	25°36	24°38	14° 4	18°16	16°18	17°53	0°46	12°40	S 8
M 9	9 51 37	29°27'39	2°B37	2°50	14° 9	21°54	7°59	25°32	24°40	14° 4	18°17	16°14	17°50	0°53	12°44	M 9
T 10	9 55 34	0°H27'58	17° 1	3°56	14°59	21°46	8° 5	25°28	24°42	14° 4	18°19	16° 8	17°46	0°59	12°49	T 10
W11	9 59 30	1°28'15	1°B51	5° 4	15°51	21°39	8°11	25°24	24°44	14° 4	18°20	16° 1	17°43	1° 6	12°53	W11
T 12	10 3 27	2°28'30	17° 0	6°14	16°43	21°32	8°17	25°20	24°46	14° 4	18°22	15°54	17°40	1°13	12°58	T 12
F 13	10 7 23	3°28'43	2°H19	7°26	17°36	21°26	8°23	25°16	24°48	14° 4	18°23	15°48	17°37	1°19	13° 2	F 13
S 14	10 11 20	4°28'54	17°35	8°40	18°30	21°21	8°29	25°12	24°50	14°D 4	18°25	15°44	17°34	1°26	13° 7	S 14
S 15	10 15 16	5°29'04	2°B39	9°55	19°24	21°16	8°35	25° 7	24°52	14° 4	18°26	15°41	17°31	1°33	13°11	S 15
M16	10 19 13	6°29'12	17°23	11°12	20°19	21°13	8°40	25° 3	24°53	14° 4	18°28	15°D40	17°27	1°39	13°15	M16
T 17	10 23 10	7°29'18	1°H42	12°31	21°14	21°10	8°45	24°59	24°55	14° 4	18°29	15°41	17°24	1°46	13°19	T 17
W18	10 27 6	8°29'22	15°33	13°52	22°10	21° 8	8°50	24°54	24°57	14° 4	18°31	15°43	17°21	1°53	13°24	W18
T 19	10 31 3	9°29'25	28°57	15°13	23° 6	21° 7	8°55	24°50	24°58	14° 4	18°32	15°44	17°18	2° 0	13°28	T 19
F 20	10 34 59	10°29'27	11°H57	16°37	24° 3	21°D 6	9° 0	24°45	25° 0	14° 4	18°34	15°R45	17°15	2° 6	13°32	F 20
S 21	10 38 56	11°29'27	24°36	18° 1	25° 1	21° 6	9° 4	24°41	25° 1	14° 4	18°35	15°44	17°11	2°13	13°36	S 21
S 22	10 42 52	12°29'25	6°B58	19°27	25°59	21° 7	9° 9	24°36	25° 3	14° 5	18°37	15°41	17° 8	2°20	13°41	S 22
M23	10 46 49	13°29'21	19° 7	20°55	26°57	21° 9	9°13	24°32	25° 4	14° 5	18°38	15°37	17° 5	2°26	13°45	M23
T 24	10 50 45	14°29'16	1°H 7	22°23	27°56	21°11	9°17	24°27	25° 5	14° 5	18°40	15°32	17° 2	2°33	13°49	T 24
W25	10 54 42	15°29'09	13° 1	23°53	28°55	21°14	9°21	24°22	25° 7	14° 6	18°41	15°27	16°59	2°40	13°53	W25
T 26	10 58 39	16°29'00	24°51	25°24	29°54	21°18	9°25	24°18	25° 8	14° 6	18°43	15°21	16°56	2°46	13°57	T 26
F 27	11 2 35	17°28'49	6°H40	26°57	0°H54	21°22	9°28	24°13	25° 9	14° 6	18°45	15°16	16°52	2°53	14° 1	F 27
S 28	11 6 32	18°28'36	18°30	28°30	1°54	21°27	9°32	24° 8	25°10	14° 7	18°46	15°13	16°49	3° 0	14° 5	S 28
S 29	11 10 28	19°H28'22	0°Y23	0°H 5	2°H55	21°B33	9°H35	24°H 4	25°H11	14°H 7	18°H48	15°B10	16°B46	3°H 6	14°H 9	S 29

Delta T = 142.29 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1568

geocentric

MARCH 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	11 14 25	20 ^h 28'05"	12 ^h 21'	1 ^h 41'	3 ^h 56'	21 ^h 40'	9 ^h 38'	23 ^h 59'	25 ^h 12'	14 ^h 11'	18 ^h 49'	15 ^h 09'	16 ^h 43'	3 ^h 13'	14 ^h 13'	M 1
T 2	11 18 21	21 ^h 27'46"	24 ^h 25'	3 ^h 19'	4 ^h 57'	21 ^h 47'	9 ^h 41'	23 ^h 54'	25 ^h 13'	14 ^h 8'	18 ^h 51'	15 ^h 10'	16 ^h 40'	3 ^h 20'	14 ^h 17'	T 2
W 3	11 22 18	22 ^h 27'25"	6 ^h 39'	4 ^h 57'	5 ^h 59'	21 ^h 54'	9 ^h 43'	23 ^h 50'	25 ^h 14'	14 ^h 9'	18 ^h 52'	15 ^h 11'	16 ^h 36'	3 ^h 26'	14 ^h 21'	W 3
T 4	11 26 14	23 ^h 27'01"	19 ^h 5'	6 ^h 37'	7 ^h 1'	22 ^h 3'	9 ^h 46'	23 ^h 45'	25 ^h 15'	14 ^h 10'	18 ^h 54'	15 ^h 12'	16 ^h 33'	3 ^h 33'	14 ^h 25'	T 4
F 5	11 30 11	24 ^h 26'36"	1 ^h 46'	8 ^h 18'	8 ^h 3'	22 ^h 12'	9 ^h 48'	23 ^h 40'	25 ^h 16'	14 ^h 10'	18 ^h 55'	15 ^h 14'	16 ^h 30'	3 ^h 40'	14 ^h 28'	F 5
S 6	11 34 8	25 ^h 26'08"	14 ^h 46'	10 ^h 1'	9 ^h 6'	22 ^h 21'	9 ^h 50'	23 ^h 35'	25 ^h 17'	14 ^h 11'	18 ^h 57'	15 ^h 15'	16 ^h 27'	3 ^h 46'	14 ^h 32'	S 6
S 7	11 38 4	26 ^h 25'38"	28 ^h 8'	11 ^h 44'	10 ^h 9'	22 ^h 31'	9 ^h 52'	23 ^h 31'	25 ^h 17'	14 ^h 12'	18 ^h 58'	15 ^h 15'	16 ^h 24'	3 ^h 53'	14 ^h 36'	S 7
M 8	11 42 1	27 ^h 25'05"	11 ^h 53'	13 ^h 29'	11 ^h 12'	22 ^h 42'	9 ^h 54'	23 ^h 26'	25 ^h 18'	14 ^h 13'	19 ^h 0'	15 ^h 15'	16 ^h 21'	4 ^h 0'	14 ^h 40'	M 8
T 9	11 45 57	28 ^h 24'30"	26 ^h 3'	15 ^h 16'	12 ^h 15'	22 ^h 53'	9 ^h 55'	23 ^h 21'	25 ^h 19'	14 ^h 13'	19 ^h 1'	15 ^h 13'	16 ^h 17'	4 ^h 6'	14 ^h 43'	T 9
W10	11 49 54	29 ^h 23'53"	10 ^h 23'	17 ^h 3'	13 ^h 18'	23 ^h 5'	9 ^h 56'	23 ^h 17'	25 ^h 19'	14 ^h 14'	19 ^h 3'	15 ^h 12'	16 ^h 14'	4 ^h 13'	14 ^h 47'	W10
T 11	11 53 50	0 ^h 23'14"	25 ^h 27'	18 ^h 52'	14 ^h 22'	23 ^h 17'	9 ^h 58'	23 ^h 12'	25 ^h 20'	14 ^h 15'	19 ^h 5'	15 ^h 10'	16 ^h 11'	4 ^h 20'	14 ^h 50'	T 11
F 12	11 57 47	1 ^h 22'32"	10 ^h 30'	20 ^h 42'	15 ^h 26'	23 ^h 30'	9 ^h 59'	23 ^h 7'	25 ^h 20'	14 ^h 16'	19 ^h 6'	15 ^h 8'	16 ^h 8'	4 ^h 27'	14 ^h 54'	F 12
S 13	12 1 43	2 ^h 21'48"	25 ^h 37'	22 ^h 34'	16 ^h 31'	23 ^h 43'	9 ^h 59'	23 ^h 3'	25 ^h 21'	14 ^h 17'	19 ^h 8'	15 ^h 7'	16 ^h 5'	4 ^h 33'	14 ^h 57'	S 13
S 14	12 5 40	3 ^h 21'01"	10 ^h 38'	24 ^h 27'	17 ^h 35'	23 ^h 57'	10 ^h 0'	22 ^h 58'	25 ^h 21'	14 ^h 18'	19 ^h 9'	15 ^h 09'	16 ^h 2'	4 ^h 40'	15 ^h 1'	S 14
M15	12 9 36	4 ^h 20'13"	25 ^h 24'	26 ^h 21'	18 ^h 40'	24 ^h 11'	10 ^h 0'	22 ^h 54'	25 ^h 21'	14 ^h 19'	19 ^h 11'	15 ^h 6'	15 ^h 58'	4 ^h 47'	15 ^h 4'	M15
T 16	12 13 33	5 ^h 19'23"	9 ^h 50'	28 ^h 17'	19 ^h 45'	24 ^h 26'	10 ^h 1'	22 ^h 49'	25 ^h 22'	14 ^h 20'	19 ^h 12'	15 ^h 7'	15 ^h 55'	4 ^h 53'	15 ^h 7'	T 16
W17	12 17 30	6 ^h 18'31"	23 ^h 51'	0 ^h 14'	20 ^h 50'	24 ^h 41'	10 ^h 1'	22 ^h 44'	25 ^h 22'	14 ^h 21'	19 ^h 14'	15 ^h 8'	15 ^h 52'	5 ^h 0'	15 ^h 11'	W17
T 18	12 21 26	7 ^h 17'37"	7 ^h 25'	2 ^h 12'	21 ^h 55'	24 ^h 56'	10 ^h 1'	22 ^h 40'	25 ^h 22'	14 ^h 22'	19 ^h 15'	15 ^h 9'	15 ^h 49'	5 ^h 7'	15 ^h 14'	T 18
F 19	12 25 23	8 ^h 16'42"	20 ^h 33'	4 ^h 12'	23 ^h 1'	25 ^h 12'	10 ^h 0'	22 ^h 35'	25 ^h 22'	14 ^h 23'	19 ^h 17'	15 ^h 9'	15 ^h 46'	5 ^h 13'	15 ^h 17'	F 19
S 20	12 29 19	9 ^h 15'45"	3 ^h 17'	6 ^h 12'	24 ^h 7'	25 ^h 29'	10 ^h 0'	22 ^h 31'	25 ^h 22'	14 ^h 24'	19 ^h 18'	15 ^h 9'	15 ^h 42'	5 ^h 20'	15 ^h 20'	S 20
S 21	12 33 16	10 ^h 14'45"	15 ^h 42'	8 ^h 14'	25 ^h 12'	25 ^h 46'	9 ^h 59'	22 ^h 27'	25 ^h 22'	14 ^h 25'	19 ^h 19'	15 ^h 10'	15 ^h 39'	5 ^h 27'	15 ^h 23'	S 21
M22	12 37 12	11 ^h 13'45"	27 ^h 51'	10 ^h 17'	26 ^h 19'	26 ^h 3'	9 ^h 58'	22 ^h 22'	25 ^h 22'	14 ^h 26'	19 ^h 21'	15 ^h 9'	15 ^h 36'	5 ^h 33'	15 ^h 26'	M22
T 23	12 41 9	12 ^h 12'42"	9 ^h 50'	12 ^h 21'	27 ^h 25'	26 ^h 21'	9 ^h 57'	22 ^h 18'	25 ^h 22'	14 ^h 28'	19 ^h 22'	15 ^h 9'	15 ^h 33'	5 ^h 40'	15 ^h 29'	T 23
W24	12 45 5	13 ^h 11'37"	21 ^h 41'	14 ^h 25'	28 ^h 31'	26 ^h 39'	9 ^h 56'	22 ^h 14'	25 ^h 22'	14 ^h 29'	19 ^h 24'	15 ^h 9'	15 ^h 30'	5 ^h 47'	15 ^h 32'	W24
T 25	12 49 2	14 ^h 10'31"	3 ^h 30'	16 ^h 31'	29 ^h 38'	26 ^h 58'	9 ^h 54'	22 ^h 10'	25 ^h 21'	14 ^h 30'	19 ^h 25'	15 ^h 9'	15 ^h 27'	5 ^h 53'	15 ^h 35'	T 25
F 26	12 52 59	15 ^h 9'23"	15 ^h 19'	18 ^h 37'	0 ^h 45'	27 ^h 17'	9 ^h 53'	22 ^h 5'	25 ^h 21'	14 ^h 31'	19 ^h 27'	15 ^h 08'	15 ^h 23'	6 ^h 0'	15 ^h 38'	F 26
S 27	12 56 55	16 ^h 8'13"	27 ^h 12'	20 ^h 43'	1 ^h 51'	27 ^h 36'	9 ^h 51'	22 ^h 1'	25 ^h 21'	14 ^h 33'	19 ^h 28'	15 ^h 9'	15 ^h 20'	6 ^h 7'	15 ^h 41'	S 27
S 28	13 0 52	17 ^h 7'01"	9 ^h 12'	22 ^h 49'	2 ^h 58'	27 ^h 56'	9 ^h 49'	21 ^h 57'	25 ^h 20'	14 ^h 34'	19 ^h 29'	15 ^h 9'	15 ^h 17'	6 ^h 13'	15 ^h 44'	S 28
M29	13 4 48	18 ^h 5'47"	21 ^h 19'	24 ^h 54'	4 ^h 6'	28 ^h 16'	9 ^h 47'	21 ^h 53'	25 ^h 20'	14 ^h 36'	19 ^h 31'	15 ^h 9'	15 ^h 14'	6 ^h 20'	15 ^h 46'	M29
T 30	13 8 45	19 ^h 4'31"	3 ^h 37'	27 ^h 0'	5 ^h 13'	28 ^h 36'	9 ^h 44'	21 ^h 49'	25 ^h 20'	14 ^h 37'	19 ^h 32'	15 ^h 8'	15 ^h 11'	6 ^h 27'	15 ^h 49'	T 30
W31	13 12 41	20 ^h 3'13"	16 ^h 8'	29 ^h 4'	6 ^h 20'	28 ^h 57'	9 ^h 42'	21 ^h 45'	25 ^h 19'	14 ^h 38'	19 ^h 34'	15 ^h 8'	15 ^h 10'	6 ^h 33'	15 ^h 52'	W31

Delta T = 142.13 sec

Julian Calendar 1 March 1568 == Greg. Calendar 11 March 1568

APRIL 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 16 38	21°1'52	28°49	1°8' 7	7°28	29°18	9°R39	21°R42	25°R19	14°I40	19°K35	15°R 7	15° 4	6°K40	15°54	T 1
F 2	13 20 34	22° 0'30	11°II45	3° 9	8°35	29°39	9°K36	21°m38	25°K18	14°41	19°36	15° 7	15° 1	6°47	15°57	F 2
S 3	13 24 31	22°59'06	24°56	5° 9	9°43	0° 1	9°33	21°34	25°17	14°43	19°38	15° 6	14°58	6°53	15°59	S 3
S 4	13 28 28	23°57'40	8°23	7° 6	10°51	0°23	9°30	21°31	25°17	14°44	19°39	15° 5	14°55	7° 0	16° 2	S 4
M 5	13 32 24	24°56'11	22° 7	9° 1	11°59	0°45	9°26	21°27	25°16	14°46	19°40	15°D 5	14°52	7° 7	16° 4	M 5
T 6	13 36 21	25°54'40	6°8	10°53	13° 7	1° 8	9°23	21°24	25°15	14°48	19°42	15° 5	14°48	7°13	16° 6	T 6
W 7	13 40 17	26°53'07	20°24	12°43	14°15	1°31	9°19	21°20	25°14	14°49	19°43	15° 5	14°45	7°20	16° 8	W 7
T 8	13 44 14	27°51'31	4°m53	14°28	15°24	1°54	9°15	21°17	25°13	14°51	19°44	15° 6	14°42	7°27	16°10	T 8
F 9	13 48 10	28°49'54	19°32	16°11	16°32	2°18	9°11	21°14	25°12	14°52	19°45	15° 7	14°39	7°33	16°13	F 9
S 10	13 52 7	29°48'14	4°e16	17°49	17°40	2°42	9° 6	21°10	25°11	14°54	19°47	15° 8	14°36	7°40	16°15	S 10
S 11	13 56 3	0°46'32	18°58	19°24	18°49	3° 6	9° 2	21° 7	25°10	14°56	19°48	15°R 8	14°33	7°47	16°17	S 11
M12	14 0 0	1°44'49	3°m31	20°55	19°58	3°30	8°57	21° 4	25° 9	14°58	19°49	15° 8	14°29	7°53	16°18	M12
T 13	14 3 56	2°43'04	17°49	22°21	21° 6	3°54	8°53	21° 1	25° 8	14°59	19°50	15° 6	14°26	8° 0	16°20	T 13
W14	14 7 53	3°41'17	1°K48	23°44	22°15	4°19	8°48	20°59	25° 7	15° 1	19°51	15° 4	14°23	8° 7	16°22	W14
T 15	14 11 50	4°39'28	15°24	25° 2	23°24	4°44	8°43	20°56	25° 6	15° 3	19°53	15° 1	14°20	8°13	16°24	T 15
F 16	14 15 46	5°37'38	28°36	26°15	24°33	5°10	8°38	20°53	25° 4	15° 5	19°54	14°58	14°17	8°20	16°25	F 16
S 17	14 19 43	6°35'47	11°25	27°24	25°42	5°35	8°32	20°51	25° 3	15° 6	19°55	14°56	14°13	8°27	16°27	S 17
S 18	14 23 39	7°33'54	23°54	28°28	26°52	6° 1	8°27	20°48	25° 2	15° 8	19°56	14°54	14°10	8°33	16°29	S 18
M19	14 27 36	8°31'59	6°e 5	29°28	28° 1	6°27	8°21	20°46	25° 0	15°10	19°57	14°D54	14° 7	8°40	16°30	M19
T 20	14 31 32	9°30'03	18° 5	0°II23	29°10	6°53	8°15	20°43	24°59	15°12	19°58	14°54	14° 4	8°47	16°32	T 20
W21	14 35 29	10°28'06	29°56	1°13	0°Y20	7°20	8°10	20°41	24°57	15°14	19°59	14°55	14° 1	8°54	16°33	W21
T 22	14 39 25	11°26'07	11°K46	1°58	1°29	7°46	8° 4	20°39	24°56	15°16	20° 0	14°57	13°58	9° 0	16°34	T 22
F 23	14 43 22	12°24'07	23°37	2°38	2°39	8°13	7°58	20°37	24°54	15°18	20° 1	14°58	13°54	9° 7	16°35	F 23
S 24	14 47 19	13°22'05	5°Y34	3°13	3°48	8°40	7°51	20°35	24°53	15°20	20° 2	15° 0	13°51	9°14	16°37	S 24
S 25	14 51 15	14°20'02	17°41	3°44	4°58	9° 7	7°45	20°33	24°51	15°22	20° 3	15°R 0	13°48	9°20	16°38	S 25
M26	14 55 12	15°17'58	29°59	4° 9	6° 8	9°35	7°38	20°31	24°49	15°24	20° 4	14°59	13°45	9°27	16°39	M26
T 27	14 59 8	16°15'52	12°K33	4°29	7°18	10° 3	7°32	20°30	24°48	15°26	20° 5	14°56	13°42	9°34	16°40	T 27
W28	15 3 5	17°13'45	25°22	4°44	8°28	10°30	7°25	20°28	24°46	15°28	20° 6	14°53	13°39	9°40	16°41	W28
T 29	15 7 1	18°11'36	8°II27	4°55	9°38	10°59	7°18	20°27	24°44	15°30	20° 7	14°48	13°35	9°47	16°41	T 29
F 30	15 10 58	19°8' 9'25	21°II45	5°II 0	10°Y48	11° 27	7°K12	20°m25	24°K42	15°II32	20°K 8	14°K42	13°K32	9°K54	16°K42	F 30

ASTRODIENST EPHEMERIS for the year 1568

geocentric

MAY 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 14 54	20♈ 7'14	5♊17	5°R 0	11°Y58	11♌55	7°R 5	20°R24	24°R41	15♊34	20♈ 9	14°R37	13♊29	10♈ 0	16♌43	S 1
S 2	15 18 51	21° 5'00	19° 1	4♊56	13° 8	12°24	6♈58	20♈23	24♈39	15°36	20°10	14♊32	13°26	10° 7	16°44	S 2
M 3	15 22 48	22° 2'45	2♌54	4°47	14°18	12°53	6°51	20°22	24°37	15°38	20°11	14°29	13°23	10°14	16°44	M 3
T 4	15 26 44	23° 0'28	16°56	4°34	15°28	13°22	6°43	20°21	24°35	15°40	20°12	14°D28	13°19	10°20	16°45	T 4
W 5	15 30 41	23°58'09	1♈ 4	4°17	16°39	13°51	6°36	20°20	24°33	15°42	20°12	14°28	13°16	10°27	16°45	W 5
T 6	15 34 37	24°55'49	15°18	3°55	17°49	14°20	6°29	20°19	24°31	15°44	20°13	14°29	13°13	10°34	16°46	T 6
F 7	15 38 34	25°53'27	29°35	3°31	18°59	14°49	6°22	20°19	24°29	15°46	20°14	14°30	13°10	10°40	16°46	F 7
S 8	15 42 30	26°51'04	13♊53	3° 4	20°10	15°19	6°14	20°18	24°27	15°49	20°15	14°R31	13° 7	10°47	16°46	S 8
S 9	15 46 27	27°48'39	28° 8	2°34	21°20	15°49	6° 7	20°17	24°25	15°51	20°15	14°30	13° 4	10°54	16°46	S 9
M10	15 50 23	28°46'13	12♊17	2° 3	22°31	16°19	5°59	20°17	24°23	15°53	20°16	14°27	13° 0	11° 0	16°46	M10
T 11	15 54 20	29°43'45	26°16	1°30	23°41	16°49	5°52	20°17	24°21	15°55	20°17	14°23	12°57	11° 7	16°47	T 11
W12	15 58 17	0♊41'17	10♈ 0	0°56	24°52	17°19	5°44	20°17	24°18	15°57	20°18	14°16	12°54	11°14	16°R47	W12
T 13	16 2 13	1°38'47	23°27	0°22	26° 3	17°49	5°36	20°D17	24°16	15°59	20°18	14° 8	12°51	11°20	16°46	T 13
F 14	16 6 10	2°36'16	6♈34	29♈49	27°13	18°20	5°29	20°17	24°14	16° 1	20°19	14° 0	12°48	11°27	16°46	F 14
S 15	16 10 6	3°33'45	19°21	29°16	28°24	18°51	5°21	20°17	24°12	16° 4	20°19	13°53	12°45	11°34	16°46	S 15
S 16	16 14 3	4°31'12	1♌50	28°45	29°35	19°21	5°14	20°17	24°10	16° 6	20°20	13°46	12°41	11°40	16°46	S 16
M17	16 17 59	5°28'39	14° 2	28°16	0♈46	19°52	5° 6	20°18	24° 7	16° 8	20°21	13°42	12°38	11°47	16°46	M17
T 18	16 21 56	6°26'05	26° 2	27°50	1°57	20°23	4°58	20°18	24° 5	16°10	20°21	13°40	12°35	11°54	16°45	T 18
W19	16 25 52	7°23'30	7♈54	27°26	3° 8	20°54	4°51	20°19	24° 3	16°13	20°22	13°D39	12°32	12° 0	16°45	W19
T 20	16 29 49	8°20'55	19°44	27° 6	4°19	21°26	4°43	20°19	24° 0	16°15	20°22	13°39	12°29	12° 7	16°44	T 20
F 21	16 33 46	9°18'19	1°Y36	26°50	5°30	21°57	4°35	20°20	23°58	16°17	20°23	13°40	12°25	12°14	16°44	F 21
S 22	16 37 42	10°15'42	13°36	26°37	6°41	22°29	4°28	20°21	23°56	16°19	20°23	13°R41	12°22	12°20	16°43	S 22
S 23	16 41 39	11°13'05	25°48	26°29	7°52	23° 1	4°20	20°22	23°53	16°21	20°23	13°40	12°19	12°27	16°42	S 23
M24	16 45 35	12°10'27	8♈16	26°D25	9° 3	23°32	4°13	20°23	23°51	16°24	20°24	13°37	12°16	12°34	16°41	M24
T 25	16 49 32	13° 7'49	21° 3	26°25	10°14	24° 4	4° 5	20°24	23°49	16°26	20°24	13°32	12°13	12°40	16°41	T 25
W26	16 53 28	14° 5'10	4♊11	26°30	11°25	24°36	3°58	20°25	23°46	16°28	20°25	13°25	12°10	12°47	16°40	W26
T 27	16 57 25	15° 2'30	17°38	26°39	12°37	25° 9	3°50	20°27	23°44	16°30	20°25	13°16	12° 6	12°54	16°39	T 27
F 28	17 1 21	15°59'49	1♊22	26°53	13°48	25°41	3°43	20°28	23°41	16°33	20°25	13° 6	12° 3	13° 0	16°38	F 28
S 29	17 5 18	16°57'08	15°20	27°11	14°59	26°13	3°36	20°30	23°39	16°35	20°26	12°56	12° 0	13° 7	16°37	S 29
S 30	17 9 15	17°54'26	29°27	27°34	16°11	26°46	3°28	20°31	23°37	16°37	20°26	12°47	11°57	13°14	16°36	S 30
M31	17 13 11	18♊51'44	13♊40	28♈ 2	17♈22	27♌19	3♈21	20♈33	23♈34	16♊39	20♈26	12♊41	11♊54	13♈20	16♌34	M31

Delta T = 141.81 sec

Julian Calendar 1 May 1568 == Greg. Calendar 11 May 1568

JUNE 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 17 8	19♊49'00	27♌54	28♈33	18♈34	27♌52	3°R14	20♈35	23°R32	16♊42	20♈26	12°R37	11♊51	13♈27	16°R33	T 1
W 2	17 21 4	20°46'15	12♈ 6	29° 9	19°45	28°24	3♈ 7	20°37	23♈29	16°44	20°27	12♊35	11°47	13°34	16♌33	W 2
T 3	17 25 1	21°43'30	26°14	29°50	20°57	28°57	3° 0	20°39	23°27	16°46	20°27	12°D35	11°44	13°40	16°30	T 3
F 4	17 28 57	22°40'44	10♊18	0♊34	22° 8	29°31	2°53	20°41	23°24	16°48	20°27	12°R35	11°41	13°47	16°29	F 4
S 5	17 32 54	23°37'57	24°16	1°23	23°20	0♈ 4	2°47	20°44	23°22	16°50	20°27	12°35	11°38	13°53	16°27	S 5
S 6	17 36 50	24°35'10	8♊ 8	2°16	24°31	0°37	2°40	20°46	23°20	16°53	20°27	12°32	11°35	14° 0	16°26	S 6
M 7	17 40 47	25°32'22	21°52	3°13	25°43	1°11	2°33	20°48	23°17	16°55	20°27	12°28	11°31	14° 7	16°24	M 7
T 8	17 44 44	26°29'33	5♈26	4°13	26°55	1°44	2°27	20°51	23°15	16°57	20°27	12°20	11°28	14°13	16°23	T 8
W 9	17 48 40	27°26'44	18°49	5°18	28° 6	2°18	2°21	20°53	23°12	16°59	20°27	12°10	11°25	14°20	16°21	W 9
T 10	17 52 37	28°23'55	1♈58	6°27	29°18	2°51	2°14	20°56	23°10	17° 2	20°27	11°59	11°22	14°27	16°19	T 10
F 11	17 56 33	29°21'06	14°52	7°39	0♊30	3°25	2° 8	20°59	23° 7	17° 4	20°R27	11°46	11°19	14°33	16°17	F 11
S 12	18 0 30	0♊18'16	27°29	8°55	1°42	3°59	2° 2	21° 2	23° 5	17° 6	20°27	11°35	11°16	14°40	16°15	S 12
S 13	18 4 26	1°15'26	9♌52	10°15	2°54	4°33	1°56	21° 5	23° 3	17° 8	20°27	11°24	11°12	14°47	16°14	S 13
M14	18 8 23	2°12'37	22° 1	11°38	4° 6	5° 7	1°51	21° 8	23° 0	17°10	20°27	11°16	11° 9	14°53	16°12	M14
T 15	18 12 20	3° 9'47	3♈58	13° 5	5°18	5°42	1°45	21°11	22°58	17°13	20°27	11°11	11° 6	15° 0	16°10	T 15
W16	18 16 16	4° 6'57	15°49	14°35	6°30	6°16	1°40	21°14	22°55	17°15	20°27	11° 8	11° 3	15° 7	16° 7	W16
T 17	18 20 13	5° 4'08	27°38	16° 9	7°42	6°50	1°34	21°18	22°53	17°17	20°27	11° 7	11° 0	15°13	16° 5	T 17
F 18	18 24 9	6° 1'19	9°Y30	17°47	8°54	7°25	1°29	21°21	22°51	17°19	20°27	11° 7	10°56	15°20	16° 3	F 18
S 19	18 28 6	6°58'30	21°30	19°27	10° 6	7°59	1°24	21°25	22°48	17°21	20°27	11° 7	10°53	15°27	16° 1	S 19
S 20	18 32 2	7°55'41	3♈44	21°12	11°18	8°34	1°19	21°28	22°46	17°23	20°26	11° 5	10°50	15°33	15°59	S 20
M21	18 35 59	8°52'53	16°17	22°59	12°30	9° 9	1°14	21°32	22°44	17°25	20°26	11° 2	10°47	15°40	15°56	M21
T 22	18 39 55	9°50'06	29°12	24°49	13°42	9°44	1°10	21°36	22°41	17°27	20°26	10°56	10°44	15°47	15°54	T 22
W23	18 43 52	10°47'18	12♊31	26°42	14°55	10°19	1° 5	21°40	22°39	17°30	20°26	10°48	10°41	15°53	15°52	W23
T 24	18 47 49	11°44'31	26°15	28°38	16° 7	10°54	1° 1	21°44	22°37	17°32	20°25	10°37	10°37	16° 0	15°49	T 24
F 25	18 51 45	12°41'44	10♊20	0♊36	17°19	11°29	0°57	21°48	22°35	17°34	20°25	10°26	10°34	16° 7	15°47	F 25
S 26	18 55 42	13°38'58	24°43	2°37	18°32	12° 4	0°53	21°52	22°32	17°36	20°25	10°14	10°31	16°13	15°44	S 26
S 27	18 59 38	14°36'12	9♌16	4°40	19°44	12°40	0°49	21°56	22°30	17°38	20°24	10° 4	10°28	16°20	15°42	S 27
M28	19 3 35	15°33'25	23°53	6°44	20°57	13°15	0°45	22° 0	22°28	17°40	20°24	9°56	10°25	16°27	15°39	M28
T 29	19 7 31	16°30'39	8♈27	8°50	22° 9	13°50	0°42	22° 5	22°26	17°42	20°24	9°51	10°22	16°33	15°36	T 29
W30	19 11 28	17°27'53	22♈53	10♊56	23♊21	14♈26	0♈39	22♈ 9	22♈24	17♊44	20♈23	9♊49	10♊18	16♈40	15♌34	W30

Delta T = 141.64 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1568
geocentric

JULY 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 15 24	18 ²⁵ 07	7 ¹² 8	13 ³⁶ 4	24 ¹¹ 34	15 ¹⁷ 2	0°R36	22 ¹⁷ 14	22°R21	17 ¹¹ 46	20°R23	9°D48	10 ¹⁵ 15	16 ¹⁴ 47	15°R31	T 1
F 2	19 19 21	19°22'21	21° 9	15°12	25°47	15°38	0 ¹³ 33	22°18	22°19	17°48	20°22	9°R48	10°12	16°53	15°28	F 2
S 3	19 23 18	20°19'36	4 ¹¹ 58	17°20	26°59	16°13	0°30	22°23	22°17	17°50	20°22	9 ¹⁵ 48	10° 9	17° 0	15°25	S 3
S 4	19 27 14	21°16'51	18°34	19°29	28°12	16°49	0°27	22°27	22°15	17°52	20°21	9°45	10° 6	17° 7	15°23	S 4
M 5	19 31 11	22°14'05	1 ¹⁷ 59	21°36	29°25	17°25	0°25	22°32	22°13	17°54	20°21	9°41	10° 2	17°13	15°20	M 5
T 6	19 35 7	23°11'21	15°11	23°44	0 ³⁷ 37	18° 1	0°22	22°37	22°11	17°56	20°20	9°33	9°59	17°20	15°17	T 6
W 7	19 39 4	24° 8'36	28°12	25°50	1°50	18°38	0°20	22°42	22° 9	17°58	20°20	9°23	9°56	17°27	15°14	W 7
T 8	19 43 0	25° 5'53	11 ¹³ 1	27°56	3° 3	19°14	0°19	22°47	22° 7	17°59	20°19	9°12	9°53	17°33	15°11	T 8
F 9	19 46 57	26° 3'10	23°37	0 ¹² 0	4°16	19°50	0°17	22°52	22° 5	18° 1	20°18	8°59	9°50	17°40	15° 8	F 9
S 10	19 50 53	27° 0'27	6 ¹¹ 1	2° 3	5°28	20°27	0°15	22°57	22° 4	18° 3	20°18	8°47	9°47	17°47	15° 5	S 10
S 11	19 54 50	27°57'45	18°14	4° 5	6°41	21° 3	0°14	23° 2	22° 2	18° 5	20°17	8°37	9°43	17°53	15° 2	S 11
M12	19 58 47	28°55'04	0 ¹⁶ 6	6° 6	7°54	21°40	0°13	23° 8	22° 0	18° 7	20°16	8°29	9°40	18° 0	14°59	M12
T 13	20 2 43	29°52'24	12°10	8° 5	9° 7	22°16	0°12	23°13	21°58	18° 8	20°16	8°23	9°37	18° 7	14°56	T 13
W14	20 6 40	0 ¹² 49'45	23°58	10° 2	10°20	22°53	0°11	23°18	21°57	18°10	20°15	8°20	9°34	18°13	14°53	W14
T 15	20 10 36	1°47'07	5 ¹⁷ 46	11°58	11°33	23°30	0°10	23°24	21°55	18°12	20°14	8°D19	9°31	18°20	14°50	T 15
F 16	20 14 33	2°44'30	17°36	13°52	12°46	24° 7	0°10	23°29	21°53	18°14	20°14	8°19	9°28	18°26	14°47	F 16
S 17	20 18 29	3°41'54	29°36	15°45	14° 0	24°44	0°10	23°35	21°52	18°15	20°13	8°R20	9°24	18°33	14°44	S 17
S 18	20 22 26	4°39'19	11 ¹⁸ 49	17°36	15°13	25°21	0°D10	23°41	21°50	18°17	20°12	8°20	9°21	18°40	14°41	S 18
M19	20 26 22	5°36'46	24°21	19°25	16°26	25°58	0°10	23°46	21°48	18°19	20°11	8°18	9°18	18°46	14°37	M19
T 20	20 30 19	6°34'14	7 ¹¹ 17	21°13	17°39	26°35	0°10	23°52	21°47	18°20	20°10	8°14	9°15	18°53	14°34	T 20
W21	20 34 16	7°31'43	20°39	22°59	18°52	27°12	0°11	23°58	21°45	18°22	20°10	8° 8	9°12	19° 0	14°31	W21
T 22	20 38 12	8°29'13	4 ¹² 29	24°44	20° 6	27°49	0°11	24° 4	21°44	18°24	20° 9	8° 0	9° 8	19° 6	14°28	T 22
F 23	20 42 9	9°26'45	18°46	26°27	21°19	28°27	0°12	24°10	21°43	18°25	20° 8	7°52	9° 5	19°13	14°25	F 23
S 24	20 46 5	10°24'18	3 ¹² 24	28° 9	22°33	29° 4	0°13	24°16	21°41	18°27	20° 7	7°43	9° 2	19°20	14°22	S 24
S 25	20 50 2	11°21'52	18°16	29°49	23°46	29°42	0°14	24°22	21°40	18°28	20° 6	7°35	8°59	19°26	14°18	S 25
M26	20 53 58	12°19'27	3 ¹⁷ 15	1 ¹⁷ 27	24°59	0 ¹² 20	0°16	24°28	21°39	18°30	20° 5	7°29	8°56	19°33	14°15	M26
T 27	20 57 55	13°17'04	18°11	3° 4	26°13	0°57	0°17	24°34	21°38	18°31	20° 4	7°25	8°53	19°40	14°12	T 27
W28	21 1 51	14°14'41	2 ¹² 56	4°39	27°26	1°35	0°19	24°40	21°36	18°33	20° 3	7°D24	8°49	19°46	14° 9	W28
T 29	21 5 48	15°12'19	17°25	6°13	28°40	2°13	0°21	24°47	21°35	18°34	20° 2	7°24	8°46	19°53	14° 6	T 29
F 30	21 9 45	16° 9'58	1 ¹¹ 36	7°46	29°54	2°51	0°23	24°53	21°34	18°35	20° 2	7°25	8°43	20° 0	14° 2	F 30
S 31	21 13 41	17° 7'38	15 ¹¹ 26	9 ¹⁷ 16	1° 7	3 ¹² 29	0 ¹² 26	24 ¹⁷ 59	21 ¹³ 33	18 ¹¹ 37	20 ¹¹ 1	7°R25	8 ¹² 40	20 ¹¹ 6	13 ¹¹ 59	S 31

Delta T = 141.48 sec

Julian Calendar 1 July 1568 == Greg. Calendar 11 July 1568

AUGUST 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 17 38	18 ¹² 5'19	28 ¹¹ 58	10 ¹⁷ 46	2 ¹² 21	4 ¹² 7	0 ¹² 28	25 ¹⁷ 6	21°R32	18 ¹¹ 38	20°R 0	7°R25	8 ¹² 37	20 ¹¹ 13	13°R56	S 1
M 2	21 21 34	19° 3'02	12 ¹⁷ 11	12°13	3°35	4°45	0°31	25°12	21 ¹⁷ 31	18°39	19 ¹⁵ 59	7 ¹² 22	8°34	20°20	13 ¹¹ 55	M 2
T 3	21 25 31	20° 0'45	25° 9	13°39	4°48	5°23	0°34	25°18	21°30	18°41	19°58	7°18	8°30	20°26	13°50	T 3
W 4	21 29 27	20°58'30	7 ¹³ 53	15° 4	6° 2	6° 2	0°37	25°25	21°29	18°42	19°57	7°12	8°27	20°33	13°47	W 4
T 5	21 33 24	21°56'16	20°24	16°27	7°16	6°40	0°40	25°32	21°29	18°43	19°55	7° 4	8°24	20°40	13°43	T 5
F 6	21 37 20	22°54'03	2 ¹² 44	17°48	8°30	7°19	0°43	25°38	21°28	18°44	19°54	6°56	8°21	20°46	13°40	F 6
S 7	21 41 17	23°51'51	14°55	19° 7	9°44	7°57	0°47	25°45	21°27	18°46	19°53	6°48	8°18	20°53	13°37	S 7
S 8	21 45 14	24°49'41	26°56	20°25	10°58	8°36	0°50	25°52	21°26	18°47	19°52	6°42	8°14	21° 0	13°34	S 8
M 9	21 49 10	25°47'32	8 ¹⁸ 51	21°41	12°11	9°14	0°54	25°58	21°26	18°48	19°51	6°37	8°11	21° 6	13°31	M 9
T 10	21 53 7	26°45'25	20°41	22°55	13°25	9°53	0°58	26° 5	21°25	18°49	19°50	6°33	8° 8	21°13	13°28	T 10
W11	21 57 3	27°43'20	2 ¹⁷ 28	24° 8	14°39	10°32	1° 3	26°12	21°25	18°50	19°49	6°D32	8° 5	21°19	13°25	W11
T 12	22 1 0	28°41'16	14°16	25°18	15°53	11°11	1° 7	26°19	21°24	18°51	19°48	6°32	8° 2	21°26	13°22	T 12
F 13	22 4 56	29°39'14	26° 7	26°26	17° 8	11°50	1°11	26°25	21°24	18°52	19°47	6°33	7°59	21°33	13°19	F 13
S 14	22 8 53	0 ¹⁷ 37'14	8 ¹⁸ 7	27°32	18°22	12°29	1°16	26°32	21°23	18°53	19°46	6°35	7°55	21°39	13°16	S 14
S 15	22 12 49	1°35'16	20°19	28°36	19°36	13° 8	1°21	26°39	21°23	18°54	19°45	6°36	7°52	21°46	13°13	S 15
M16	22 16 46	2°33'20	2 ¹¹ 49	29°37	20°50	13°47	1°26	26°46	21°23	18°55	19°43	6°R37	7°49	21°53	13°10	M16
T 17	22 20 42	3°31'26	15°42	0 ¹³ 36	22° 4	14°26	1°31	26°53	21°23	18°56	19°42	6°36	7°46	21°59	13° 7	T 17
W18	22 24 39	4°29'33	29° 0	1°32	23°18	15° 6	1°37	27° 0	21°22	18°56	19°41	6°34	7°43	22° 6	13° 4	W18
T 19	22 28 36	5°27'43	12 ¹² 46	2°26	24°33	15°45	1°42	27° 7	21°22	18°57	19°40	6°31	7°40	22°13	13° 1	T 19
F 20	22 32 32	6°25'55	27° 0	3°16	25°47	16°24	1°48	27°14	21°22	18°58	19°39	6°27	7°36	22°19	12°58	F 20
S 21	22 36 29	7°24'09	11 ¹² 39	4° 3	27° 1	17° 4	1°54	27°22	21°D22	18°59	19°38	6°23	7°33	22°26	12°55	S 21
S 22	22 40 25	8°22'24	26°38	4°46	28°16	17°44	2° 0	27°29	21°22	19° 0	19°36	6°19	7°30	22°33	12°53	S 22
M23	22 44 22	9°20'42	11 ¹⁷ 47	5°26	29°30	18°23	2° 6	27°36	21°22	19° 0	19°35	6°16	7°27	22°39	12°50	M23
T 24	22 48 18	10°19'01	26°58	6° 2	0 ¹⁷ 44	19° 3	2°12	27°43	21°22	19° 1	19°34	6°15	7°24	22°46	12°47	T 24
W25	22 52 15	11°17'22	12 ¹² 0	6°34	1°59	19°43	2°18	27°50	21°23	19° 1	19°33	6°D14	7°20	22°53	12°45	W25
T 26	22 56 11	12°15'45	26°47	7° 1	3°13	20°23	2°25	27°57	21°23	19° 2	19°32	6°15	7°17	22°59	12°42	T 26
F 27	23 0 8	13°14'09	11 ¹¹ 42	7°23	4°28	21° 3	2°32	28° 5	21°23	19° 3	19°30	6°17	7°14	23° 6	12°39	F 27
S 28	23 4 5	14°12'35	25°12	7°40	5°42	21°43	2°39	28°12	21°24	19° 3	19°29	6°18	7°11	23°12	12°37	S 28
S 29	23 8 1	15°11'02	8 ¹⁷ 49	7°51	6°57	22°23	2°46	28°19	21°24	19° 4	19°28	6°19	7° 8	23°19	12°34	S 29
M30	23 11 58	16° 9'32	22° 1	7°R57	8°11	23° 3	2°53	28°26	21°24	19° 4	19°27	6°R19	7° 5	23°26	12°32	M30
T 31	23 15 54	17° 8'02	4 ¹³ 54	7 ¹² 56	9 ¹⁷ 26	23 ¹² 43	3 ¹² 0	28 ¹⁷ 34	21 ¹² 25	19 ¹¹ 4	19 ¹¹ 26	6 ¹² 18	7 ¹² 1	23 ¹¹ 32	12 ¹¹ 29	T 31

Delta T = 141.31 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1568

geocentric

SEPTEMBER 1568 JC

00:00 UT

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

Delta T = 141.15 sec

Julian Calendar 1 Sept. 1568 == Greg. Calendar 11 Sept. 1568

OCTOBER 1568 JC

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 18 7	17♏38'38	20♌53	0♏10	18♏ 8	15♌ 4	7♏47	2♏22	22♏ 5	19♏ R 1	18♏R50	6♏ 7	5♏23	26♏58	11♏R40	F 1
S 2	1 22 4	18°38'13	2♏47	1°30	19°23	15°47	7°57	2°29	22° 7	19♏ 0	18♏49	6° 8	5°20	27° 5	11♏39	S 2
S 3	1 26 0	19°37'50	14°36	2°55	20°38	16°29	8° 9	2°36	22° 9	19° 0	18°48	6°10	5°16	27°12	11°39	S 3
M 4	1 29 57	20°37'29	26°23	4°22	21°53	17°12	8°20	2°44	22°11	18°59	18°47	6°10	5°13	27°18	11°38	M 4
T 5	1 33 54	21°37'09	8♏12	5°53	23° 8	17°54	8°31	2°51	22°13	18°58	18°46	6°R11	5°10	27°25	11°38	T 5
W 6	1 37 50	22°36'52	20° 5	7°26	24°23	18°37	8°42	2°58	22°15	18°57	18°45	6°10	5° 7	27°32	11°37	W 6
T 7	1 41 47	23°36'37	2♏ 5	9° 0	25°39	19°20	8°53	3° 5	22°18	18°57	18°44	6° 9	5° 4	27°38	11°37	T 7
F 8	1 45 43	24°36'23	14°12	10°37	26°54	20° 2	9° 5	3°12	22°20	18°56	18°43	6° 6	5° 1	27°45	11°37	F 8
S 9	1 49 40	25°36'12	26°29	12°14	28° 9	20°45	9°16	3°19	22°22	18°55	18°42	6° 3	4°57	27°52	11°37	S 9
S 10	1 53 36	26°36'03	8♏57	13°52	29°24	21°28	9°28	3°26	22°25	18°54	18°41	6° 0	4°54	27°58	11°36	S 10
M11	1 57 33	27°35'56	21°39	15°31	0♏39	22°11	9°40	3°33	22°27	18°53	18°40	5°57	4°51	28° 5	11°D36	M11
T 12	2 1 29	28°35'52	4♏35	17°10	1°55	22°54	9°51	3°40	22°30	18°52	18°39	5°55	4°48	28°12	11°36	T 12
W13	2 5 26	29°35'49	17°47	18°50	3°10	23°37	10° 3	3°47	22°32	18°51	18°38	5°53	4°45	28°18	11°36	W13
T 14	2 9 22	0♏35'49	1♏18	20°30	4°25	24° 20	10°15	3°54	22°35	18°50	18°37	5°D52	4°42	28°25	11°37	T 14
F 15	2 13 19	1°35'51	15° 8	22° 9	5°40	25° 40	10°27	4° 1	22°37	18°49	18°36	5°53	4°38	28°32	11°37	F 15
S 16	2 17 16	2°35'55	29°18	23°49	6°55	25°47	10°39	4° 8	22°40	18°48	18°36	5°54	4°35	28°38	11°37	S 16
S 17	2 21 12	3°36'02	13♏47	25°29	8°11	26°30	10°51	4°15	22°42	18°47	18°35	5°56	4°32	28°45	11°37	S 17
M18	2 25 9	4°36'10	28°31	27° 8	9°26	27°14	11° 3	4°21	22°45	18°46	18°34	5°R57	4°29	28°51	11°38	M18
T 19	2 29 5	5°36'20	13♏25	28°47	10°41	27°57	11°16	4°28	22°48	18°45	18°33	5°57	4°26	28°58	11°38	T 19
W20	2 33 2	6°36'33	28°22	0♏26	11°56	28°41	11°28	4°35	22°51	18°44	18°32	5°55	4°22	29° 5	11°39	W20
T 21	2 36 58	7°36'47	13♏13	2° 5	13°12	29°24	11°40	4°41	22°53	18°43	18°32	5°52	4°19	29°11	11°39	T 21
F 22	2 40 55	8°37'03	27°52	3°43	14°27	0♏ 8	11°53	4°48	22°56	18°41	18°31	5°48	4°16	29°18	11°40	F 22
S 23	2 44 51	9°37'21	12♏ 9	5°21	15°42	0°52	12° 5	4°55	22°59	18°40	18°30	5°42	4°13	29°25	11°41	S 23
S 24	2 48 48	10°37'41	26° 2	6°59	16°57	1°36	12°18	5° 1	23° 2	18°39	18°30	5°37	4°10	29°31	11°42	S 24
M25	2 52 45	11°38'02	9♏28	8°36	18°13	2°19	12°30	5° 7	23° 5	18°38	18°29	5°32	4° 7	29°38	11°43	M25
T 26	2 56 41	12°38'24	22°28	10°13	19°28	3° 3	12°43	5°14	23° 8	18°36	18°28	5°28	4° 3	29°45	11°44	T 26
W27	3 0 38	13°38'48	5♏ 4	11°50	20°43	3°47	12°56	5°20	23°11	18°35	18°28	5°26	4° 0	29°51	11°45	W27
T 28	3 4 34	14°39'13	17°20	13°26	21°58	4°31	13° 8	5°27	23°14	18°34	18°27	5°D26	3°57	29°58	11°46	T 28
F 29	3 8 31	15°39'40	29°21	15° 2	23°14	5°15	13°21	5°33	23°17	18°32	18°27	5°27	3°54	0♏ 5	11°47	F 29
S 30	3 12 27	16°40'08	11♏13	16°38	24°29	6° 0	13°34	5°39	23°20	18°31	18°26	5°29	3°51	0°11	11°48	S 30
S 31	3 16 24	17♏40'37	23♏ 1	18♏13	25♏44	6♏44	13♏47	5♏45	23♏23	18♏30	18♏25	5♏30	3♏48	0♏18	11♏49	S 31

ASTRODIENST EPHEMERIS for the year 1568

geocentric

NOVEMBER 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 20 20	18 ¹¹ 41'07	4 ⁴ 48	19 ¹¹ 48	27 ¹¹ 0	7 ¹¹ 28	14 ¹¹ 0	5 ¹¹ 51	23 ¹¹ 26	18 ¹¹ 28	18 ¹¹ 25	5 ¹¹ R31	3 ¹¹ 44	0 ¹¹ Y24	11 ¹¹ 51	M 1
T 2	3 24 17	19 ¹¹ 41'39	16 ¹¹ 40	21 ¹¹ 23	28 ¹¹ 15	8 ¹¹ 12	14 ¹¹ 13	5 ¹¹ 57	23 ¹¹ 29	18 ¹¹ 27	18 ¹¹ 24	5 ¹¹ 40	3 ¹¹ 41	0 ¹¹ 31	11 ¹¹ 52	T 2
W 3	3 28 14	20 ¹¹ 42'13	28 ¹¹ 40	22 ¹¹ 58	29 ¹¹ 30	8 ¹¹ 57	14 ¹¹ 26	6 ¹¹ 3	23 ¹¹ 32	18 ¹¹ 25	18 ¹¹ 24	5 ¹¹ 27	3 ¹¹ 38	0 ¹¹ 38	11 ¹¹ 54	W 3
T 4	3 32 10	21 ¹¹ 42'48	10 ¹¹ 50	24 ¹¹ 32	0 ¹¹ 45	9 ¹¹ 41	14 ¹¹ 39	6 ¹¹ 9	23 ¹¹ 35	18 ¹¹ 24	18 ¹¹ 24	5 ¹¹ 22	3 ¹¹ 35	0 ¹¹ 44	11 ¹¹ 55	T 4
F 5	3 36 7	22 ¹¹ 43'24	23 ¹¹ 12	26 ¹¹ 7	2 ¹¹ 1	10 ¹¹ 26	14 ¹¹ 52	6 ¹¹ 15	23 ¹¹ 39	18 ¹¹ 22	18 ¹¹ 23	5 ¹¹ 15	3 ¹¹ 32	0 ¹¹ 51	11 ¹¹ 57	F 5
S 6	3 40 3	23 ¹¹ 44'02	5 ¹¹ 46	27 ¹¹ 41	3 ¹¹ 16	11 ¹¹ 10	15 ¹¹ 5	6 ¹¹ 21	23 ¹¹ 42	18 ¹¹ 21	18 ¹¹ 23	5 ¹¹ 7	3 ¹¹ 28	0 ¹¹ 58	11 ¹¹ 58	S 6
S 7	3 44 0	24 ¹¹ 44'41	18 ¹¹ 34	29 ¹¹ 15	4 ¹¹ 31	11 ¹¹ 55	15 ¹¹ 18	6 ¹¹ 27	23 ¹¹ 45	18 ¹¹ 19	18 ¹¹ 22	4 ¹¹ 57	3 ¹¹ 25	1 ¹¹ 4	12 ¹¹ 0	S 7
M 8	3 47 56	25 ¹¹ 45'22	15 ¹¹ 34	0 ¹¹ 48	5 ¹¹ 46	12 ¹¹ 39	15 ¹¹ 32	6 ¹¹ 32	23 ¹¹ 48	18 ¹¹ 18	18 ¹¹ 22	4 ¹¹ 48	3 ¹¹ 22	1 ¹¹ 11	12 ¹¹ 2	M 8
T 9	3 51 53	26 ¹¹ 46'04	14 ¹¹ 46	2 ¹¹ 22	7 ¹¹ 2	13 ¹¹ 24	15 ¹¹ 45	6 ¹¹ 38	23 ¹¹ 52	18 ¹¹ 16	18 ¹¹ 22	4 ¹¹ 40	3 ¹¹ 19	1 ¹¹ 18	12 ¹¹ 4	T 9
W10	3 55 49	27 ¹¹ 46'48	28 ¹¹ 11	3 ¹¹ 55	8 ¹¹ 17	14 ¹¹ 9	15 ¹¹ 58	6 ¹¹ 44	23 ¹¹ 55	18 ¹¹ 15	18 ¹¹ 21	4 ¹¹ 34	3 ¹¹ 16	1 ¹¹ 24	12 ¹¹ 6	W10
T 11	3 59 46	28 ¹¹ 47'34	11 ¹¹ 46	5 ¹¹ 29	9 ¹¹ 32	14 ¹¹ 54	16 ¹¹ 12	6 ¹¹ 49	23 ¹¹ 58	18 ¹¹ 13	18 ¹¹ 21	4 ¹¹ 31	3 ¹¹ 13	1 ¹¹ 31	12 ¹¹ 7	T 11
F 12	4 3 43	29 ¹¹ 48'21	25 ¹¹ 33	7 ¹¹ 2	10 ¹¹ 47	15 ¹¹ 39	16 ¹¹ 25	6 ¹¹ 55	24 ¹¹ 2	18 ¹¹ 12	18 ¹¹ 21	4 ¹¹ D29	3 ¹¹ 9	1 ¹¹ 38	12 ¹¹ 9	F 12
S 13	4 7 39	0 ¹¹ 49'10	9 ¹¹ 42	8 ¹¹ 35	12 ¹¹ 3	16 ¹¹ 24	16 ¹¹ 38	7 ¹¹ 0	24 ¹¹ 5	18 ¹¹ 10	18 ¹¹ 21	4 ¹¹ 29	3 ¹¹ 6	1 ¹¹ 44	12 ¹¹ 12	S 13
S 14	4 11 36	1 ¹¹ 50'00	23 ¹¹ 42	10 ¹¹ 8	13 ¹¹ 18	17 ¹¹ 9	16 ¹¹ 52	7 ¹¹ 5	24 ¹¹ 9	18 ¹¹ 8	18 ¹¹ 20	4 ¹¹ 30	3 ¹¹ 3	1 ¹¹ 51	12 ¹¹ 14	S 14
M15	4 15 32	2 ¹¹ 50'51	8 ¹¹ 3	11 ¹¹ 41	14 ¹¹ 33	17 ¹¹ 54	17 ¹¹ 5	7 ¹¹ 10	24 ¹¹ 12	18 ¹¹ 7	18 ¹¹ 20	4 ¹¹ R30	3 ¹¹ 0	1 ¹¹ 58	12 ¹¹ 16	M15
T 16	4 19 29	3 ¹¹ 51'44	22 ¹¹ 31	13 ¹¹ 14	15 ¹¹ 48	18 ¹¹ 39	17 ¹¹ 19	7 ¹¹ 16	24 ¹¹ 15	18 ¹¹ 5	18 ¹¹ 20	4 ¹¹ 29	2 ¹¹ 57	2 ¹¹ 4	12 ¹¹ 18	T 16
W17	4 23 25	4 ¹¹ 52'39	7 ¹¹ 4	14 ¹¹ 47	17 ¹¹ 4	19 ¹¹ 24	17 ¹¹ 32	7 ¹¹ 21	24 ¹¹ 19	18 ¹¹ 3	18 ¹¹ 20	4 ¹¹ 25	2 ¹¹ 53	2 ¹¹ 11	12 ¹¹ 20	W17
T 18	4 27 22	5 ¹¹ 53'35	21 ¹¹ 34	16 ¹¹ 20	18 ¹¹ 19	20 ¹¹ 9	17 ¹¹ 46	7 ¹¹ 26	24 ¹¹ 22	18 ¹¹ 2	18 ¹¹ 20	4 ¹¹ 19	2 ¹¹ 50	2 ¹¹ 17	12 ¹¹ 23	T 18
F 19	4 31 18	6 ¹¹ 54'32	5 ¹¹ 57	17 ¹¹ 52	19 ¹¹ 34	20 ¹¹ 54	17 ¹¹ 59	7 ¹¹ 31	24 ¹¹ 26	18 ¹¹ 0	18 ¹¹ 20	4 ¹¹ 10	2 ¹¹ 47	2 ¹¹ 24	12 ¹¹ 25	F 19
S 20	4 35 15	7 ¹¹ 55'30	20 ¹¹ 5	19 ¹¹ 25	20 ¹¹ 50	21 ¹¹ 40	18 ¹¹ 13	7 ¹¹ 35	24 ¹¹ 29	17 ¹¹ 58	18 ¹¹ 20	3 ¹¹ 59	2 ¹¹ 44	2 ¹¹ 31	12 ¹¹ 28	S 20
S 21	4 39 12	8 ¹¹ 56'29	3 ¹¹ 54	20 ¹¹ 57	22 ¹¹ 5	22 ¹¹ 25	18 ¹¹ 27	7 ¹¹ 40	24 ¹¹ 33	17 ¹¹ 57	18 ¹¹ 20	3 ¹¹ 48	2 ¹¹ 41	2 ¹¹ 37	12 ¹¹ 30	S 21
M22	4 43 8	9 ¹¹ 57'28	17 ¹¹ 19	22 ¹¹ 30	23 ¹¹ 20	23 ¹¹ 11	18 ¹¹ 40	7 ¹¹ 45	24 ¹¹ 36	17 ¹¹ 55	18 ¹¹ D20	3 ¹¹ 37	2 ¹¹ 38	2 ¹¹ 44	12 ¹¹ 33	M22
T 23	4 47 5	10 ¹¹ 58'29	0 ¹¹ 51	24 ¹¹ 2	24 ¹¹ 35	23 ¹¹ 56	18 ¹¹ 54	7 ¹¹ 50	24 ¹¹ 40	17 ¹¹ 53	18 ¹¹ 20	3 ¹¹ 28	2 ¹¹ 34	2 ¹¹ 51	12 ¹¹ 36	T 23
W24	4 51 1	11 ¹¹ 59'30	12 ¹¹ 59	25 ¹¹ 33	25 ¹¹ 51	24 ¹¹ 42	19 ¹¹ 8	7 ¹¹ 54	24 ¹¹ 44	17 ¹¹ 52	18 ¹¹ 20	3 ¹¹ 22	2 ¹¹ 31	2 ¹¹ 57	12 ¹¹ 38	W24
T 25	4 54 58	13 ¹¹ 0'32	25 ¹¹ 17	27 ¹¹ 5	27 ¹¹ 6	25 ¹¹ 27	19 ¹¹ 21	7 ¹¹ 59	24 ¹¹ 47	17 ¹¹ 50	18 ¹¹ 20	3 ¹¹ 18	2 ¹¹ 28	3 ¹¹ 4	12 ¹¹ 41	T 25
F 26	4 58 54	14 ¹¹ 1'34	7 ¹¹ 20	28 ¹¹ 36	28 ¹¹ 21	26 ¹¹ 13	19 ¹¹ 35	8 ¹¹ 3	24 ¹¹ 51	17 ¹¹ 48	18 ¹¹ 20	3 ¹¹ 16	2 ¹¹ 25	3 ¹¹ 11	12 ¹¹ 44	F 26
S 27	5 2 51	15 ¹¹ 2'37	19 ¹¹ 12	0 ¹¹ 3	29 ¹¹ 36	26 ¹¹ 58	19 ¹¹ 49	8 ¹¹ 7	24 ¹¹ 54	17 ¹¹ 47	18 ¹¹ 20	3 ¹¹ D16	2 ¹¹ 22	3 ¹¹ 17	12 ¹¹ 47	S 27
S 28	5 6 47	16 ¹¹ 3'40	1 ¹¹ Y 0	1 ¹¹ 38	0 ¹¹ 352	27 ¹¹ 44	20 ¹¹ 2	8 ¹¹ 11	24 ¹¹ 58	17 ¹¹ 45	18 ¹¹ 20	3 ¹¹ R16	2 ¹¹ 19	3 ¹¹ 24	12 ¹¹ 50	S 28
M29	5 10 44	17 ¹¹ 4'44	12 ¹¹ 48	3 ¹¹ 7	2 ¹¹ 7	28 ¹¹ 30	20 ¹¹ 16	8 ¹¹ 16	25 ¹¹ 1	17 ¹¹ 43	18 ¹¹ 20	3 ¹¹ 16	2 ¹¹ 15	3 ¹¹ 31	12 ¹¹ 52	M29
T 30	5 14 41	18 ¹¹ 5'48	24 ¹¹ Y42	4 ¹¹ 36	3 ¹¹ 22	29 ¹¹ 16	20 ¹¹ 30	8 ¹¹ 20	25 ¹¹ 5	17 ¹¹ 41	18 ¹¹ 20	3 ¹¹ 14	2 ¹¹ 12	3 ¹¹ Y37	12 ¹¹ 55	T 30

Delta T = 140.82 sec

Julian Calendar 1 Nov. 1568 == Greg. Calendar 11 Nov. 1568

DECEMBER 1568 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 18 37	19 ¹¹ 6'53	6 ¹¹ 47	6 ¹¹ 3 5	4 ¹¹ 37	0 ¹¹ 3 1	20 ¹¹ 43	8 ¹¹ 24	25 ¹¹ 9	17 ¹¹ R40	18 ¹¹ 20	3 ¹¹ R 9	2 ¹¹ 9	3 ¹¹ Y44	12 ¹¹ 59	W 1
T 2	5 22 34	20 ¹¹ 7'58	19 ¹¹ 6	7 ¹¹ 32	5 ¹¹ 52	0 ¹¹ 47	20 ¹¹ 57	8 ¹¹ 27	25 ¹¹ 12	17 ¹¹ 38	18 ¹¹ 21	3 ¹¹ 2	2 ¹¹ 6	3 ¹¹ 50	13 ¹¹ 2	T 2
F 3	5 26 30	21 ¹¹ 9'03	1 ¹¹ 41	8 ¹¹ 58	7 ¹¹ 7	1 ¹¹ 33	21 ¹¹ 11	8 ¹¹ 31	25 ¹¹ 16	17 ¹¹ 36	18 ¹¹ 21	2 ¹¹ 52	2 ¹¹ 3	3 ¹¹ 57	13 ¹¹ 5	F 3
S 4	5 30 27	22 ¹¹ 10'10	14 ¹¹ 34	10 ¹¹ 22	8 ¹¹ 23	2 ¹¹ 19	21 ¹¹ 25	8 ¹¹ 35	25 ¹¹ 19	17 ¹¹ 35	18 ¹¹ 21	2 ¹¹ 40	1 ¹¹ 59	4 ¹¹ 4	13 ¹¹ 8	S 4
S 5	5 34 23	23 ¹¹ 11'16	27 ¹¹ 43	11 ¹¹ 45	9 ¹¹ 38	3 ¹¹ 5	21 ¹¹ 38	8 ¹¹ 39	25 ¹¹ 23	17 ¹¹ 33	18 ¹¹ 21	2 ¹¹ 26	1 ¹¹ 56	4 ¹¹ 10	13 ¹¹ 11	S 5
M 6	5 38 20	24 ¹¹ 12'23	11 ¹¹ 38	13 ¹¹ 6	10 ¹¹ 53	3 ¹¹ 51	21 ¹¹ 52	8 ¹¹ 42	25 ¹¹ 27	17 ¹¹ 31	18 ¹¹ 22	2 ¹¹ 13	1 ¹¹ 53	4 ¹¹ 17	13 ¹¹ 14	M 6
T 7	5 42 16	25 ¹¹ 13'31	24 ¹¹ 46	14 ¹¹ 24	12 ¹¹ 8	4 ¹¹ 37	22 ¹¹ 6	8 ¹¹ 45	25 ¹¹ 30	17 ¹¹ 30	18 ¹¹ 22	2 ¹¹ 1	1 ¹¹ 50	4 ¹¹ 24	13 ¹¹ 18	T 7
W 8	5 46 13	26 ¹¹ 14'39	8 ¹¹ 33	15 ¹¹ 39	13 ¹¹ 23	5 ¹¹ 23	22 ¹¹ 19	8 ¹¹ 49	25 ¹¹ 34	17 ¹¹ 28	18 ¹¹ 23	1 ¹¹ 52	1 ¹¹ 47	4 ¹¹ 30	13 ¹¹ 21	W 8
T 9	5 50 10	27 ¹¹ 15'47	22 ¹¹ 26	16 ¹¹ 51	14 ¹¹ 38	6 ¹¹ 10	22 ¹¹ 33	8 ¹¹ 52	25 ¹¹ 38	17 ¹¹ 26	18 ¹¹ 23	1 ¹¹ 46	1 ¹¹ 44	4 ¹¹ 37	13 ¹¹ 25	T 9
F 10	5 54 6	28 ¹¹ 16'56	6 ¹¹ 42	17 ¹¹ 59	15 ¹¹ 54	6 ¹¹ 56	22 ¹¹ 47	8 ¹¹ 55	25 ¹¹ 41	17 ¹¹ 25	18 ¹¹ 23	1 ¹¹ 42	1 ¹¹ 40	4 ¹¹ 44	13 ¹¹ 28	F 10
S 11	5 58 3	29 ¹¹ 18'06	20 ¹¹ 26	19 ¹¹ 2	17 ¹¹ 9	7 ¹¹ 42	23 ¹¹ 1	8 ¹¹ 58	25 ¹¹ 45	17 ¹¹ 23	18 ¹¹ 24	1 ¹¹ 41	1 ¹¹ 37	4 ¹¹ 50	13 ¹¹ 31	S 11
S 12	6 1 59	0 ¹¹ 31'16	4 ¹¹ 30	20 ¹¹ 0	18 ¹¹ 24	8 ¹¹ 28	23 ¹¹ 14	9 ¹¹ 1	25 ¹¹ 48	17 ¹¹ 21	18 ¹¹ 24	1 ¹¹ 41	1 ¹¹ 34	4 ¹¹ 57	13 ¹¹ 35	S 12
M13	6 5 56	1 ¹¹ 20'27	18 ¹¹ 35	20 ¹¹ 52	19 ¹¹ 39	9 ¹¹ 15	23 ¹¹ 28	9 ¹¹ 4	25 ¹¹ 52	17 ¹¹ 20	18 ¹¹ 25	1 ¹¹ 41	1 ¹¹ 31	5 ¹¹ 4	13 ¹¹ 39	M13
T 14	6 9 52	2 ¹¹ 21'38	2 ¹¹ 42	21 ¹¹ 37	20 ¹¹ 54	10 ¹¹ 1	23 ¹¹ 42	9 ¹¹ 7	25 ¹¹ 56	17 ¹¹ 18	18 ¹¹ 25	1 ¹¹ 39	1 ¹¹ 28	5 ¹¹ 10	13 ¹¹ 42	T 14
W15	6 13 49	3 ¹¹ 22'50	16 ¹¹ 48	22 ¹¹ 14	22 ¹¹ 9	10 ¹¹ 48	23 ¹¹ 55	9 ¹¹ 9	25 ¹¹ 59	17 ¹¹ 16	18 ¹¹ 26	1 ¹¹ 34	1 ¹¹ 25	5 ¹¹ 17	13 ¹¹ 46	W15
T 16	6 17 46	4 ¹¹ 24'02	0 ¹¹ 51	22 ¹¹ 43	23 ¹¹ 24	11 ¹¹ 34	24 ¹¹ 9	9 ¹¹ 12	26 ¹¹ 3	17 ¹¹ 15	18 ¹¹ 26	1 ¹¹ 26	1 ¹¹ 21	5 ¹¹ 24	13 ¹¹ 50	T 16
F 17	6 21 42	5 ¹¹ 25'14	14 ¹¹ 47	23 ¹¹ 2	24 ¹¹ 39	12 ¹¹ 21	24 ¹¹ 23	9 ¹¹ 14	26 ¹¹ 6	17 ¹¹ 13	18 ¹¹ 27	1 ¹¹ 15	1 ¹¹ 18	5 ¹¹ 30	13 ¹¹ 53	F 17
S 18	6 25 39	6 ¹¹ 26'27	28 ¹¹ 32	23 ¹¹ R10	25 ¹¹ 54	13 ¹¹ 7	24 ¹¹ 36	9 ¹¹ 17	26 ¹¹ 10	17 ¹¹ 12	18 ¹¹ 27	1 ¹¹ 2	1 ¹¹ 15	5 ¹¹ 37	13 ¹¹ 57	S 18
S 19	6 29 35	7 ¹¹ 27'39	12 ¹¹ 3 3	23 ¹¹ 8	27 ¹¹ 9	13 ¹¹ 54	24 ¹¹ 50	9 ¹¹ 19	26 ¹¹ 14	17 ¹¹ 10	18 ¹¹ 28	0 ¹¹ 49	1 ¹¹ 12	5 ¹¹ 43	14 ¹¹ 1	S 19
M20	6 33 32	8 ¹¹ 28'51	25 ¹¹ 16	22 ¹¹ 53	28 ¹¹ 24	14 ¹¹ 40	25 ¹¹ 3	9 ¹¹ 21	26 ¹¹ 17	17 ¹¹ 8	18 ¹¹ 29	0 ¹¹ 36	1 ¹¹ 9	5 ¹¹ 50	14 ¹¹ 5	M20
T 21	6 37 28	9 ¹¹ 30'03	8 ¹¹ 10	22 ¹¹ 27	29 ¹¹ 39	15 ¹¹ 27	25 ¹¹ 17	9 ¹¹ 23	26 ¹¹ 21	17 ¹¹ 7	18 ¹¹ 29	0 ¹¹ 25	1 ¹¹ 5	5 ¹¹ 57	14 ¹¹ 8	T 21
W22	6 41 25	10 ¹¹ 31'15	20 ¹¹ 45	21 ¹¹ 49	0 ¹¹ 54	16 ¹¹ 14	25 ¹¹ 30	9 ¹¹ 25	26 ¹¹ 24	17 ¹¹ 5	18 ¹¹ 30	0 ¹¹ 16	1 ¹¹ 2	6 ¹¹ 3	14 ¹¹ 12	W22
T 23	6 45 21	11 ¹¹ 32'26	3 ¹¹ 2	21 ¹¹ 0	2 ¹¹ 9	17 ¹¹ 0	25 ¹¹ 44	9 ¹¹ 27	26 ¹¹ 28	17 ¹¹ 4	18 ¹¹ 31	0 ¹¹ 11	0 ¹¹ 59	6 ¹¹ 10	14 ¹¹ 16	T 23
F 24	6 49 18	12 ¹¹ 33'37	15 ¹¹ 5	20 ¹¹ 1	3 ¹¹ 24	17 ¹¹ 47	25 ¹¹ 57	9 ¹¹ 28	26 ¹¹ 31	17 ¹¹ 2	18 ¹¹ 32	0 ¹¹ 8	0 ¹¹ 56	6 ¹¹ 17	14 ¹¹ 20	F 24
S 25	6 53 15	13 ¹¹ 34'47	26 ¹¹ 58	18 ¹¹ 54	4 ¹¹ 39	18 ¹¹ 34	26 ¹¹ 11	9 ¹¹ 30	26 ¹¹ 35	17 ¹¹ 1	18 ¹¹ 32	0 ¹¹ D 7	0 ¹¹ 53	6 ¹¹ 23	14 ¹¹ 24	S 25
S 26	6 57 11	14 ¹¹ 35'57	8 ¹¹ Y45	17 ¹¹ 40	5 ¹¹ 54	19 ¹¹ 21	26 ¹¹ 24	9 ¹¹ 32	26 ¹¹ 38	16 ¹¹ 59	18 ¹¹ 33	0 ¹¹ R 7	0 ¹¹ 50	6 ¹¹ 30	14 ¹¹ 28	S 26
M27	7 1 8	15 ¹¹ 37'06	20 ¹¹ 34	16 ¹¹ 22	7 ¹¹ 9	20 ¹¹ 7	26 ¹¹ 38	9 ¹¹ 33	26 ¹¹ 42	16 ¹¹ 58	18 ¹¹ 34	0 ¹¹ 7	0 ¹¹ 46	6 ¹¹ 37	14 ¹¹ 32	M27
T 28	7 5 4	16 ¹¹ 38'15	2 ¹¹ 28	15 ¹¹ 2	8 ¹¹ 24	20 ¹¹ 54	26 ¹¹ 51	9 ¹¹ 34	26 ¹¹ 45	16 ¹¹ 56	18 ¹¹ 35	0 ¹¹ 6	0 ¹¹ 43	6 ¹¹ 43	14 ¹¹ 36	T 28
W29	7 9 1	17 ¹¹ 39'23	14 ¹¹ 34	13 ¹¹ 44	9 ¹¹ 39	21 ¹¹ 41	27 ¹¹ 4	9 ¹¹ 35	26 ¹¹ 49	16 ¹¹ 55	18 ¹¹ 36	0 ¹¹ 2	0 ¹¹ 40	6 ¹¹ 50	14 ¹¹ 40	W29
T 30	7 12 57	18 ¹¹ 40'30	26 ¹¹ 56	12 ¹¹ 29	10 ¹¹ 54	22 ¹¹ 28	27 ¹¹ 18	9 ¹¹ 37	26 ¹¹ 52	16 ¹¹ 54	18 ¹¹ 36	29 ¹¹ 45	0 ¹¹ 37	6 ¹¹ 57	14 ¹¹ 44	T 30
F 31	7 16 54	19 ¹¹ 41'36	9 ¹¹ 38	11 ¹¹ 31	12 ¹¹ 9	23 ¹¹ 31	27 ¹¹ 31	9 ¹¹ 38	26 ¹¹ 56	16 ¹¹ 52	18 ¹¹ 37	29 ¹¹ 48	0 ¹¹ 34	7 ¹¹ Y 3	14 ¹¹ 49	F 31