



# Astrodienst Ephemeris Tables for the year 1542

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 1542

## geocentric

JANUARY 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 19 2	20°15'39	7°44	3°R33	27°55	25°28	0°29	7°44	24°R31	15°40	14°13	11°R12	12°45	18°29	8°R52	S 1
M 2	7 22 59	21°16'44	22° 4	3° 2	29° 8	25°58	0°30	7°48	24°R29	15°40	14°15	11° 4	12°42	18°36	8°51	M 2
T 3	7 26 55	22°17'48	6°17	2°19	0°20	26°27	0°30	7°51	24°27	15°41	14°16	10°58	12°38	18°42	8°51	T 3
W 4	7 30 52	23°18'52	21°17	1°26	1°33	26°56	0°31	7°55	24°25	15°41	14°18	10°54	12°35	18°49	8°51	W 4
T 5	7 34 48	24°19'55	5°17	0°24	2°45	27°25	0°R31	7°58	24°22	15°42	14°20	10°D52	12°32	18°56	8°50	T 5
F 6	7 38 45	25°20'58	20°30	29°16	3°57	27°54	0°31	8° 1	24°20	15°43	14°21	10°53	12°29	19° 2	8°50	F 6
S 7	7 42 41	26°22'00	4°52	28° 2	5° 9	28°23	0°31	8° 4	24°18	15°43	14°23	10°54	12°26	19° 9	8°50	S 7
S 8	7 46 38	27°23'02	19° 2	26°46	6°21	28°51	0°30	8° 8	24°16	15°44	14°25	10°55	12°22	19°16	8°D50	S 8
M 9	7 50 34	28°24'03	2°57	25°30	7°33	29°20	0°30	8°10	24°14	15°45	14°26	10°R55	12°19	19°22	8°50	M 9
T 10	7 54 31	29°25'03	16°38	24°15	8°45	29°48	0°29	8°13	24°11	15°46	14°28	10°54	12°16	19°29	8°50	T 10
W11	7 58 28	0°26'04	0° 6	23° 4	9°57	0°16	0°28	8°16	24° 9	15°46	14°30	10°50	12°13	19°35	8°50	W11
T 12	8 2 24	1°27'03	13°20	21°59	11° 9	0°44	0°27	8°19	24° 7	15°47	14°32	10°45	12°10	19°42	8°51	T 12
F 13	8 6 21	2°28'02	26°21	21° 1	12°20	1°11	0°26	8°21	24° 4	15°48	14°33	10°39	12° 7	19°49	8°51	F 13
S 14	8 10 17	3°29'00	9° 9	20°11	13°32	1°39	0°24	8°24	24° 2	15°49	14°35	10°32	12° 3	19°55	8°51	S 14
S 15	8 14 14	4°29'57	21°45	19°29	14°43	2° 6	0°22	8°26	23°59	15°50	14°37	10°25	12° 0	20° 2	8°52	S 15
M16	8 18 10	5°30'53	4° 8	18°56	15°55	2°33	0°20	8°28	23°57	15°51	14°39	10°19	11°57	20° 9	8°52	M16
T 17	8 22 7	6°31'48	16°21	18°31	17° 6	3° 0	0°18	8°31	23°55	15°52	14°40	10°15	11°54	20°15	8°53	T 17
W18	8 26 4	7°32'41	28°23	18°15	18°17	3°26	0°16	8°33	23°52	15°53	14°42	10°13	11°51	20°22	8°53	W18
T 19	8 30 0	8°33'34	10°17	18° 7	19°28	3°52	0°14	8°35	23°50	15°54	14°44	10°D12	11°48	20°29	8°54	T 19
F 20	8 33 57	9°34'25	22° 6	18°D 7	20°39	4°19	0°11	8°37	23°47	15°55	14°46	10°13	11°44	20°35	8°55	F 20
S 21	8 37 53	10°35'14	3°52	18°14	21°50	4°44	0° 8	8°38	23°45	15°57	14°47	10°14	11°41	20°42	8°56	S 21
S 22	8 41 50	11°36'02	15°40	18°28	23° 0	5°10	0° 5	8°40	23°42	15°58	14°49	10°16	11°38	20°49	8°57	S 22
M23	8 45 46	12°36'49	27°35	18°48	24°11	5°35	0° 2	8°42	23°39	15°59	14°51	10°18	11°35	20°55	8°58	M23
T 24	8 49 43	13°37'34	9°42	19°14	25°21	6° 0	29°58	8°43	23°37	16° 0	14°53	10°R19	11°32	21° 2	8°59	T 24
W25	8 53 39	14°38'18	22° 4	19°45	26°32	6°25	29°55	8°44	23°34	16° 1	14°54	10°18	11°28	21° 8	9° 0	W25
T 26	8 57 36	15°39'00	4°14	20°22	27°42	6°50	29°51	8°46	23°32	16° 3	14°56	10°17	11°25	21°15	9° 1	T 26
F 27	9 1 33	16°39'40	17°56	21° 2	28°52	7°14	29°47	8°47	23°29	16° 4	14°58	10°15	11°22	21°22	9° 2	F 27
S 28	9 5 29	17°40'19	1°32	21°47	0°17	7°38	29°43	8°48	23°27	16° 5	15° 0	10°12	11°19	21°28	9° 3	S 28
S 29	9 9 26	18°40'56	15°34	22°36	1°11	8° 2	29°39	8°49	23°24	16° 7	15° 2	10° 8	11°16	21°35	9° 5	S 29
M30	9 13 22	19°41'31	0° 2	23°28	2°21	8°26	29°34	8°50	23°21	16° 8	15° 3	10° 5	11°13	21°42	9° 6	M30
T 31	9 17 19	20°42'05	14°49	24°23	3°17	8°49	29°30	8°51	23°19	16°10	15° 5	10° 3	11° 9	21°48	9° 8	T 31

Delta T = 197.45 sec

Julian Calendar 1 Jan. 1542 == Greg. Calendar 11 Jan. 1542

FEBRUARY 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	9 21 15	21°42'37	29°48	25°21	4°17	9°12	29°R25	8°51	23°R16	16°11	15° 7	10°R 2	11° 6	21°55	9° 9	W 1
T 2	9 25 12	22°43'07	14°52	26°22	5°48	9°34	29°20	8°52	23°13	16°13	15° 9	10°D 2	11° 3	22° 2	9°11	T 2
F 3	9 29 8	23°43'36	29°50	27°26	6°57	9°57	29°15	8°52	23°11	16°14	15°10	10° 3	11° 0	22° 8	9°12	F 3
S 4	9 33 5	24°44'03	14°36	28°32	8° 6	10°19	29°10	8°53	23° 8	16°16	15°12	10° 4	10°57	22°15	9°14	S 4
S 5	9 37 2	25°44'30	29° 5	29°40	9°14	10°40	29° 5	8°53	23° 6	16°17	15°14	10° 5	10°54	22°22	9°16	S 5
M 6	9 40 58	26°44'55	13°12	0°50	10°23	11° 2	28°59	8°53	23° 3	16°19	15°16	10° 6	10°50	22°28	9°18	M 6
T 7	9 44 55	27°45'18	26°57	2° 2	11°31	11°23	28°54	8°R53	23° 0	16°21	15°17	10°R 6	10°47	22°35	9°20	T 7
W 8	9 48 51	28°45'40	10°20	3°16	12°39	11°43	28°48	8°53	22°58	16°22	15°19	10° 6	10°44	22°42	9°22	W 8
T 9	9 52 48	29°46'01	23°24	4°31	13°47	12° 3	28°42	8°53	22°55	16°24	15°21	10° 5	10°41	22°48	9°24	T 9
F 10	9 56 44	0°46'21	6°10	5°48	14°54	12°23	28°36	8°53	22°53	16°26	15°23	10° 4	10°38	22°55	9°26	F 10
S 11	10 0 41	1°46'38	18°41	7° 7	16° 2	12°43	28°30	8°52	22°50	16°27	15°24	10° 3	10°34	23° 2	9°28	S 11
S 12	10 4 37	2°46'55	0°59	8°27	17° 9	13° 2	28°23	8°52	22°47	16°29	15°26	10° 2	10°31	23° 8	9°30	S 12
M13	10 8 34	3°47'09	13° 7	9°49	18°16	13°21	28°17	8°51	22°45	16°31	15°28	10° 1	10°28	23°15	9°32	M13
T 14	10 12 31	4°47'22	25° 7	11°12	19°23	13°39	28°10	8°50	22°42	16°33	15°29	10° 0	10°25	23°21	9°34	T 14
W15	10 16 27	5°47'33	7° 0	12°36	20°29	13°57	28° 4	8°50	22°40	16°34	15°31	10°D 0	10°22	23°28	9°37	W15
T 16	10 20 24	6°47'42	18°50	14° 2	21°36	14°15	27°57	8°49	22°37	16°36	15°33	10° 0	10°19	23°35	9°39	T 16
F 17	10 24 20	7°47'49	0°17	15°29	22°42	14°32	27°50	8°48	22°35	16°38	15°34	10° 0	10°15	23°41	9°42	F 17
S 18	10 28 17	8°47'54	12°25	16°57	23°47	14°48	27°43	8°47	22°32	16°40	15°36	10° 0	10°12	23°48	9°44	S 18
S 19	10 32 13	9°47'57	24°16	18°26	24°53	15° 5	27°36	8°45	22°30	16°42	15°38	10°R 0	10° 9	23°55	9°47	S 19
M20	10 36 10	10°47'58	6°13	19°57	25°58	15°20	27°29	8°44	22°27	16°44	15°39	10° 0	10° 6	24° 1	9°49	M20
T 21	10 40 6	11°47'57	18°20	21°29	27° 3	15°36	27°22	8°43	22°25	16°46	15°41	10° 0	10° 3	24° 8	9°52	T 21
W22	10 44 3	12°47'54	0°14	23° 2	28° 8	15°50	27°15	8°41	22°22	16°47	15°43	10° 0	10° 0	24°15	9°55	W22
T 23	10 47 59	13°47'48	13°21	24°36	29°13	16° 5	27° 7	8°40	22°20	16°49	15°44	10°D 0	9°56	24°21	9°57	T 23
F 24	10 51 56	14°47'41	26°22	26°11	0°17	16°19	27° 0	8°38	22°18	16°51	15°46	10° 0	9°53	24°28	10° 0	F 24
S 25	10 55 53	15°47'31	9°48	27°48	1°21	16°32	26°52	8°36	22°15	16°53	15°47	10° 0	9°50	24°35	10° 3	S 25
S 26	10 59 49	16°47'19	23°41	29°25	2°24	16°45	26°45	8°34	22°13	16°55	15°49	10° 1	9°47	24°41	10° 6	S 26
M27	11 3 46	17°47'04	8° 1	1° 4	3°28	16°57	26°37	8°32	22°11	16°57	15°51	10° 2	9°44	24°48	10° 9	M27
T 28	11 7 42	18°46'48	22°44	2°44	4°31	17°16	26°30	8°30	22° 8	16°59	15°52	10° 2	9°40	24°55	10°12	T 28

Delta T = 197.26 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1542

## geocentric

MARCH 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 11 39	19°46'29	7°46	4°25	5°33	17°20	26°22	8°28	22°6	17°2	15°54	10°3	9°37	25°1	10°15	W 1
T 2	11 15 35	20°46'08	22°59	6°8	6°36	17°31	26°14	8°26	22°4	17°4	15°55	10°2	9°34	25°8	10°18	T 2
F 3	11 19 32	21°45'45	8°13	7°52	7°37	17°41	26°7	8°24	22°2	17°6	15°57	10°2	9°31	25°14	10°21	F 3
S 4	11 23 28	22°45'20	23°17	9°37	8°39	17°50	25°59	8°21	22°0	17°8	15°58	10°0	9°28	25°21	10°24	S 4
S 5	11 27 25	23°44'53	8°5	11°23	9°40	17°59	25°51	8°19	21°57	17°10	16°0	9°59	9°25	25°28	10°28	S 5
M 6	11 31 22	24°44'24	22°28	13°10	10°41	18°7	25°44	8°16	21°55	17°12	16°1	9°57	9°21	25°34	10°31	M 6
T 7	11 35 18	25°43'54	6°25	14°59	11°41	18°15	25°36	8°14	21°53	17°14	16°2	9°56	9°18	25°41	10°34	T 7
W 8	11 39 15	26°43'22	19°55	16°49	12°41	18°22	25°28	8°11	21°51	17°16	16°4	9°55	9°15	25°48	10°37	W 8
T 9	11 43 11	27°42'48	2°59	18°41	13°41	18°29	25°20	8°8	21°49	17°18	16°5	9°55	9°12	25°54	10°41	T 9
F 10	11 47 8	28°42'13	15°41	20°33	14°40	18°34	25°12	8°5	21°47	17°21	16°7	9°55	9°9	26°1	10°44	F 10
S 11	11 51 4	29°41'35	28°4	22°27	15°38	18°39	25°5	8°2	21°45	17°23	16°8	9°57	9°5	26°8	10°48	S 11
S 12	11 55 1	0°40'56	10°13	24°22	16°37	18°44	24°57	7°59	21°44	17°25	16°9	9°58	9°2	26°14	10°51	S 12
M13	11 58 57	1°40'15	22°11	26°19	17°34	18°48	24°49	7°56	21°42	17°27	16°11	10°0	8°59	26°21	10°55	M13
T 14	12 2 54	2°39'32	4°2	28°17	18°32	18°51	24°42	7°53	21°40	17°29	16°12	10°R 1	8°56	26°28	10°58	T 14
W15	12 6 51	3°38'46	15°50	0°16	19°28	18°53	24°34	7°49	21°38	17°32	16°13	10°1	8°53	26°34	11°2	W15
T 16	12 10 47	4°37'59	27°37	2°16	20°24	18°54	24°26	7°46	21°36	17°34	16°15	10°0	8°50	26°41	11°6	T 16
F 17	12 14 44	5°37'10	9°25	4°17	21°20	18°55	24°19	7°43	21°35	17°36	16°16	9°57	8°46	26°48	11°9	F 17
S 18	12 18 40	6°36'19	21°17	6°19	22°15	18°55	24°11	7°39	21°33	17°38	16°17	9°53	8°43	26°54	11°13	S 18
S 19	12 22 37	7°35'26	3°15	8°22	23°10	18°55	24°4	7°36	21°32	17°40	16°18	9°49	8°40	27°1	11°17	S 19
M20	12 26 33	8°34'30	15°20	10°26	24°3	18°54	23°57	7°32	21°30	17°43	16°20	9°44	8°37	27°8	11°20	M20
T 21	12 30 30	9°33'33	27°34	12°31	24°57	18°51	23°49	7°28	21°28	17°45	16°21	9°39	8°34	27°14	11°24	T 21
W22	12 34 26	10°32'33	10°11	14°35	25°49	18°49	23°42	7°25	21°27	17°47	16°22	9°35	8°31	27°21	11°28	W22
T 23	12 38 23	11°31'31	22°42	16°41	26°41	18°45	23°35	7°21	21°26	17°49	16°23	9°32	8°27	27°28	11°32	T 23
F 24	12 42 20	12°30'26	5°40	18°46	27°32	18°41	23°28	7°17	21°24	17°52	16°24	9°30	8°24	27°34	11°36	F 24
S 25	12 46 16	13°29'19	18°59	20°50	28°23	18°35	23°21	7°13	21°23	17°54	16°25	9°D30	8°21	27°41	11°40	S 25
S 26	12 50 13	14°28'10	2°40	22°54	29°12	18°30	23°14	7°9	21°22	17°56	16°26	9°31	8°18	27°47	11°43	S 26
M27	12 54 9	15°26'59	16°46	24°57	0°11	18°23	23°8	7°5	21°20	17°58	16°28	9°32	8°15	27°54	11°47	M27
T 28	12 58 6	16°25'45	1°14	26°59	0°49	18°16	23°1	7°1	21°19	18°1	16°29	9°34	8°11	28°1	11°51	T 28
W29	13 2 2	17°24'29	16°4	28°59	1°36	18°7	22°54	6°57	21°18	18°3	16°30	9°R34	8°8	28°7	11°55	W29
T 30	13 5 59	18°23'11	1°7	0°58	2°23	17°58	22°48	6°53	21°17	18°5	16°31	9°32	8°5	28°14	11°59	T 30
F 31	13 9 55	19°21'50	16°18	2°54	3°11	17°49	22°42	6°49	21°16	18°7	16°32	9°R29	8°2	28°21	12°3	F 31

Delta T = 197.09 sec

Julian Calendar 1 March 1542 == Greg. Calendar 11 March 1542

APRIL 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 13 52	20°20'28	1°26	4°47	3°11	17°38	22°R35	6°R44	21°R15	18°V10	16°32	9°R24	7°H59	28°H27	12°B 7	S 1
S 2	13 17 49	21°19'04	16°21	6°37	4°36	17°27	22°29	6°40	21°14	18°12	16°33	9°H17	7°56	28°34	12°12	S 2
M 3	13 21 45	22°17'38	0°55	8°24	5°18	17°15	22°23	6°36	21°13	18°14	16°34	9°11	7°52	28°41	12°16	M 3
T 4	13 25 42	23°16'10	15°2	10°8	6°0	17°3	22°18	6°32	21°12	18°17	16°35	9°5	7°49	28°47	12°20	T 4
W 5	13 29 38	24°14'41	28°40	11°48	6°40	16°49	22°12	6°27	21°12	18°19	16°36	9°0	7°46	28°54	12°24	W 5
T 6	13 33 35	25°13'10	11°50	13°24	7°19	16°35	22°6	6°23	21°11	18°21	16°37	8°58	7°43	29°1	12°28	T 6
F 7	13 37 31	26°11'37	24°35	14°55	7°57	16°21	22°1	6°19	21°10	18°23	16°38	8°D57	7°40	29°7	12°32	F 7
S 8	13 41 28	27°10'03	6°57	16°23	8°34	16°5	21°56	6°14	21°10	18°26	16°39	8°57	7°37	29°14	12°36	S 8
S 9	13 45 24	28°8'27	19°4	17°46	9°9	15°49	21°50	6°10	21°9	18°28	16°39	8°58	7°33	29°21	12°41	S 9
M10	13 49 21	29°6'49	0°59	19°4	9°43	15°33	21°45	6°5	21°9	18°30	16°40	8°59	7°30	29°27	12°45	M10
T 11	13 53 18	0°5'10	12°47	20°18	10°16	15°15	21°41	6°1	21°8	18°32	16°41	9°R 0	7°27	29°34	12°49	T 11
W12	13 57 14	1°3'29	24°33	21°27	10°47	14°58	21°36	5°56	21°8	18°35	16°41	8°58	7°24	29°41	12°53	W12
T 13	14 1 11	2°1'47	6°21	22°32	11°17	14°39	21°31	5°52	21°7	18°37	16°42	8°54	7°21	29°47	12°58	T 13
F 14	14 5 7	3°0'02	18°13	23°31	11°45	14°20	21°27	5°47	21°7	18°39	16°43	8°48	7°17	29°54	13°2	F 14
S 15	14 9 4	3°58'16	0°12	24°25	12°12	14°1	21°23	5°43	21°7	18°41	16°43	8°40	7°14	0°V 1	13°6	S 15
S 16	14 13 0	4°56'29	12°20	25°15	12°37	13°41	21°19	5°38	21°7	18°43	16°44	8°30	7°11	0°7	13°10	S 16
M17	14 16 57	5°54'39	24°37	25°59	13°0	13°21	21°15	5°34	21°6	18°46	16°45	8°20	7°8	0°14	13°15	M17
T 18	14 20 53	6°52'48	7°11	26°38	13°22	13°1	21°11	5°29	21°6	18°48	16°45	8°9	7°5	0°21	13°19	T 18
W19	14 24 50	7°50'55	19°45	27°11	13°42	12°40	21°8	5°25	21°D 6	18°50	16°46	8°0	7°2	0°27	13°23	W19
T 20	14 28 47	8°49'00	2°36	27°40	13°59	12°19	21°4	5°20	21°6	18°52	16°46	7°53	6°58	0°34	13°28	T 20
F 21	14 32 43	9°47'04	15°41	28°3	14°15	11°58	21°1	5°16	21°6	18°54	16°47	7°48	6°55	0°41	13°32	F 21
S 22	14 36 40	10°45'05	29°1	28°21	14°29	11°36	20°58	5°11	21°6	18°56	16°47	7°45	6°52	0°47	13°36	S 22
S 23	14 40 36	11°43'04	12°38	28°34	14°41	11°14	20°55	5°7	21°7	18°58	16°47	7°D45	6°49	0°54	13°41	S 23
M24	14 44 33	12°41'02	26°33	28°41	14°50	10°53	20°53	5°2	21°7	19°1	16°48	7°45	6°46	1°0	13°45	M24
T 25	14 48 29	13°38'57	10°46	28°R44	14°58	10°31	20°50	4°58	21°7	19°3	16°48	7°R45	6°43	1°7	13°49	T 25
W26	14 52 26	14°36'51	25°16	28°41	15°3	10°9	20°48	4°53	21°7	19°5	16°48	7°44	6°39	1°14	13°53	W26
T 27	14 56 22	15°34'42	10°1	28°34	15°6	9°47	20°46	4°49	21°8	19°7	16°49	7°41	6°36	1°20	13°58	T 27
F 28	15 0 19	16°32'32	24°54	28°22	15°R 6	9°26	20°44	4°44	21°8	19°9	16°49	7°35	6°33	1°27	14°2	F 28
S 29	15 4 16	17°30'21	9°47	28°6	15°4	9°4	20°42	4°40	21°9	19°11	16°49	7°27	6°30	1°34	14°6	S 29
S 30	15 8 12	18°28'08	24°33	27°46	15°11	8°43	20°40	4°36	21°9	19°V13	16°50	7°H17	6°H27	1°V40	14°B11	S 30

Delta T = 196.90 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1542

## geocentric

MAY 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 12 9	19♌25'54	9♌3	27°R23	14°R53	8°R22	20°R39	4°R32	21♌10	19♏15	16♏50	7°R 6	6♌23	1°Y47	14♌15	M 1
T 2	15 16 5	20°23'38	23°10	26♌56	14♌44	8♌1	20♏38	4♌27	21°11	19°17	16°50	6♌56	6°20	1°54	14°19	T 2
W 3	15 20 2	21°21'21	6♌51	26°26	14°32	7°40	20°37	4°23	21°11	19°19	16°50	6°47	6°17	2° 0	14°24	W 3
T 4	15 23 58	22°19'03	20° 4	25°55	14°18	7°20	20°36	4°19	21°12	19°21	16°50	6°41	6°14	2° 7	14°28	T 4
F 5	15 27 55	23°16'44	2♌52	25°22	14° 2	7° 0	20°35	4°15	21°13	19°23	16°50	6°38	6°11	2°14	14°32	F 5
S 6	15 31 51	24°14'24	15°17	24°48	13°43	6°41	20°34	4°11	21°14	19°25	16°50	6°36	6° 8	2°20	14°37	S 6
S 7	15 35 48	25°12'02	27°25	24°13	13°22	6°22	20°34	4° 6	21°15	19°27	16°50	6°D36	6° 4	2°27	14°41	S 7
M 8	15 39 45	26° 9'40	9♌21	23°39	12°59	6° 3	20°D34	4° 2	21°16	19°29	16°R50	6°R36	6° 1	2°34	14°45	M 8
T 9	15 43 41	27° 7'16	21°10	23° 6	12°34	5°45	20°34	3°58	21°17	19°31	16°50	6°35	5°58	2°40	14°49	T 9
W10	15 47 38	28° 4'52	2°Y57	22°34	12° 6	5°28	20°34	3°55	21°18	19°33	16°50	6°33	5°55	2°47	14°54	W10
T 11	15 51 34	29° 2'27	14°48	22° 4	11°37	5°11	20°35	3°51	21°19	19°34	16°50	6°28	5°52	2°54	14°58	T 11
F 12	15 55 31	0♏00'00	26°45	21°36	11° 6	4°55	20°35	3°47	21°20	19°36	16°50	6°20	5°48	3° 0	15° 2	F 12
S 13	15 59 27	0°57'33	8♌53	21°11	10°34	4°39	20°36	3°43	21°21	19°38	16°50	6°10	5°45	3° 7	15° 6	S 13
S 14	16 3 24	1°55'05	21°13	20°49	10° 0	4°25	20°37	3°39	21°23	19°40	16°50	5°58	5°42	3°14	15°11	S 14
M15	16 7 20	2°52'35	3♏45	20°31	9°25	4°10	20°38	3°36	21°24	19°42	16°50	5°45	5°39	3°20	15°15	M15
T 16	16 11 17	3°50'05	16°31	20°17	8°49	3°57	20°39	3°32	21°25	19°43	16°50	5°32	5°36	3°27	15°19	T 16
W17	16 15 14	4°47'34	29°29	20° 7	8°12	3°44	20°41	3°29	21°27	19°45	16°50	5°20	5°33	3°34	15°23	W17
T 18	16 19 10	5°45'01	12♌39	20° 1	7°35	3°32	20°42	3°25	21°28	19°47	16°49	5°11	5°29	3°40	15°27	T 18
F 19	16 23 7	6°42'28	26° 0	20°D 0	6°57	3°21	20°44	3°22	21°30	19°49	16°49	5° 4	5°26	3°47	15°31	F 19
S 20	16 27 3	7°39'53	9♏32	20° 3	6°19	3°11	20°46	3°18	21°31	19°50	16°49	5° 0	5°23	3°54	15°35	S 20
S 21	16 31 0	8°37'17	23°15	20°10	5°42	3° 1	20°48	3°15	21°33	19°52	16°48	4°59	5°20	4° 0	15°39	S 21
M22	16 34 56	9°34'40	7♏9	20°22	5° 5	2°53	20°51	3°12	21°35	19°53	16°48	4°59	5°17	4° 7	15°44	M22
T 23	16 38 53	10°32'01	21°14	20°38	4°28	2°45	20°53	3° 9	21°36	19°55	16°48	4°58	5°14	4°14	15°48	T 23
W24	16 42 49	11°29'22	5♏29	20°59	3°53	2°38	20°56	3° 6	21°38	19°57	16°47	4°57	5°10	4°20	15°52	W24
T 25	16 46 46	12°26'41	19°53	21°24	3°19	2°31	20°59	3° 3	21°40	19°58	16°47	4°53	5° 7	4°27	15°56	T 25
F 26	16 50 43	13°23'59	4♏23	21°54	2°46	2°26	21° 2	3° 0	21°42	20° 0	16°47	4°47	5° 4	4°34	16° 0	F 26
S 27	16 54 39	14°21'17	18°53	22°28	2°14	2°21	21° 5	2°57	21°44	20° 1	16°46	4°38	5° 1	4°40	16° 4	S 27
S 28	16 58 36	15°18'33	3♏17	23° 6	1°44	2°18	21° 8	2°54	21°46	20° 3	16°46	4°28	4°58	4°47	16° 7	S 28
M29	17 2 32	16°15'50	17°29	23°48	1°16	2°15	21°12	2°52	21°48	20° 4	16°45	4°17	4°54	4°54	16°11	M29
T 30	17 6 29	17°13'05	1♌23	24°34	0°50	2°13	21°16	2°49	21°50	20° 6	16°45	4° 6	4°51	5° 0	16°15	T 30
W31	17 10 25	18♏10'20	14♌55	25♌24	0♏26	2♏11	21♏19	2♏46	21♏52	20♏7	16♏44	3♌57	4♌48	5♏7	16♌19	W31

Delta T = 196.72 sec

Julian Calendar 1 May 1542 == Greg. Calendar 11 May 1542

JUNE 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 14 22	19♏7'34	28♌4	26♌18	0°R 4	2°D11	21♏23	2°R44	21♏54	20♏8	16°R44	3°R50	4♌45	5°Y14	16♌23	T 1
F 2	17 18 19	20° 4'48	10♏50	27°16	29♌45	2♏11	21°28	2♏42	21°56	20°10	16°443	3♌45	4°42	5°20	16°27	F 2
S 3	17 22 15	21° 2'02	23°15	28°18	29°28	2°12	21°32	2°39	21°58	20°11	16°42	3°43	4°39	5°27	16°31	S 3
S 4	17 26 12	21°59'15	5♌24	29°23	29°13	2°14	21°36	2°37	22° 1	20°12	16°42	3°D43	4°35	5°34	16°34	S 4
M 5	17 30 8	22°56'29	17°21	0♏32	29° 0	2°17	21°41	2°35	22° 3	20°14	16°41	3°R43	4°32	5°40	16°38	M 5
T 6	17 34 5	23°53'42	29°12	1°45	28°50	2°20	21°46	2°33	22° 5	20°15	16°40	3°43	4°29	5°47	16°42	T 6
W 7	17 38 1	24°50'55	11°Y 1	3° 1	28°43	2°25	21°51	2°31	22° 8	20°16	16°40	3°42	4°26	5°54	16°45	W 7
T 8	17 41 58	25°48'07	22°55	4°20	28°38	2°30	21°56	2°29	22°10	20°17	16°39	3°39	4°23	6° 0	16°49	T 8
F 9	17 45 54	26°45'20	4♌57	5°43	28°35	2°35	22° 1	2°28	22°12	20°18	16°38	3°33	4°20	6° 7	16°53	F 9
S 10	17 49 51	27°42'33	17°12	7°10	28°D34	2°42	22° 7	2°26	22°15	20°19	16°37	3°25	4°16	6°14	16°56	S 10
S 11	17 53 48	28°39'46	29°41	8°40	28°36	2°49	22°12	2°25	22°17	20°21	16°37	3°15	4°13	6°20	17° 0	S 11
M12	17 57 44	29°36'58	12♏28	10°13	28°40	2°57	22°18	2°23	22°20	20°22	16°36	3° 4	4°10	6°27	17° 3	M12
T 13	18 1 41	0♏34'11	25°31	11°49	28°47	3° 6	22°24	2°22	22°23	20°23	16°35	2°54	4° 7	6°34	17° 7	T 13
W14	18 5 37	1°31'24	8♌50	13°29	28°55	3°15	22°30	2°20	22°25	20°24	16°34	2°44	4° 4	6°40	17°10	W14
T 15	18 9 34	2°28'36	22°23	15°12	29° 6	3°25	22°36	2°19	22°28	20°25	16°33	2°36	4° 0	6°47	17°13	T 15
F 16	18 13 30	3°25'48	6♏7	16°58	29°19	3°36	22°42	2°18	22°31	20°26	16°32	2°31	3°57	6°54	17°17	F 16
S 17	18 17 27	4°23'00	20° 0	18°47	29°33	3°48	22°48	2°17	22°34	20°27	16°32	2°29	3°54	7° 0	17°20	S 17
S 18	18 21 23	5°20'12	4♏0	20°39	29°50	4° 0	22°55	2°16	22°36	20°27	16°31	2°D28	3°51	7° 7	17°23	S 18
M19	18 25 20	6°17'23	18° 4	22°33	0♏8	4°13	23° 2	2°16	22°39	20°28	16°30	2°29	3°48	7°14	17°26	M19
T 20	18 29 17	7°14'34	2♏12	24°30	0°28	4°26	23° 8	2°15	22°42	20°29	16°29	2°R29	3°45	7°20	17°30	T 20
W21	18 33 13	8°11'45	16°22	26°30	0°50	4°41	23°15	2°14	22°45	20°30	16°28	2°29	3°41	7°27	17°33	W21
T 22	18 37 10	9° 8'55	0♏33	28°32	1°14	4°55	23°22	2°14	22°48	20°31	16°27	2°27	3°38	7°34	17°36	T 22
F 23	18 41 6	10° 6'06	14°22	0♏35	1°39	5°11	23°30	2°13	22°51	20°31	16°26	2°23	3°35	7°40	17°39	F 23
S 24	18 45 3	11° 3'16	28°47	2°40	2° 6	5°27	23°37	2°13	22°54	20°32	16°25	2°17	3°32	7°47	17°42	S 24
S 25	18 48 59	12° 0'27	12♏44	4°47	2°35	5°43	23°44	2°13	22°57	20°33	16°24	2°10	3°29	7°54	17°45	S 25
M26	18 52 56	12°57'38	26°31	6°55	3° 5	6° 1	23°52	2°13	23° 0	20°33	16°23	2° 2	3°26	8° 0	17°48	M26
T 27	18 56 52	13°54'48	10♌2	9° 3	3°36	6°18	24° 0	2°D13	23° 3	20°34	16°22	1°54	3°22	8° 7	17°51	T 27
W28	19 0 49	14°52'00	23°16	11°12	4° 9	6°36	24° 8	2°13	23° 6	20°35	16°21	1°48	3°19	8°14	17°54	W28
T 29	19 4 46	15°49'11	6♏12	13°21	4°43	6°55	24°15	2°13	23° 9	20°35	16°19	1°43	3°16	8°20	17°56	T 29
F 30	19 8 42	16°46'23	18♏50	15♌30	5♏18	7♏15	24♏24	2♏13	23♏12	20♏36	16♏18	1♌40	3♌13	8♏27	17♌59	F 30

Delta T = 196.53 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1542

## geocentric

JULY 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 12 39	17°43'35	1°11	17°38	5°11	7°11	24°32	2°14	23°19	20°37	16°17	1°D39	3°10	8°34	18°2	S 1
S 2	19 16 35	18°40'48	13°18	19°46	6°32	7°55	24°40	2°14	23°19	20°37	16°16	1°40	3°6	8°40	18°4	S 2
M 3	19 20 32	19°38'02	25°15	21°53	7°11	8°16	24°48	2°15	23°22	20°37	16°15	1°41	3°3	8°47	18°7	M 3
T 4	19 24 28	20°35'16	7°9	23°59	7°51	8°37	24°57	2°15	23°25	20°37	16°14	1°43	3°0	8°54	18°9	T 4
W 5	19 28 25	21°32'32	18°57	26°4	8°32	8°59	25°5	2°16	23°29	20°38	16°13	1°R44	2°57	9°0	18°12	W 5
T 6	19 32 21	22°29'48	0°51	28°8	9°14	9°21	25°14	2°17	23°32	20°38	16°11	1°43	2°54	9°7	18°14	T 6
F 7	19 36 18	23°27'04	12°55	0°10	9°57	9°44	25°23	2°18	23°35	20°38	16°10	1°41	2°51	9°14	18°17	F 7
S 8	19 40 15	24°24'22	25°13	2°11	10°41	10°7	25°32	2°19	23°39	20°39	16°9	1°38	2°47	9°20	18°19	S 8
S 9	19 44 11	25°21'41	7°11	4°10	11°26	10°31	25°41	2°20	23°42	20°39	16°8	1°33	2°44	9°27	18°21	S 9
M10	19 48 8	26°19'01	20°43	6°8	12°11	10°55	25°50	2°21	23°45	20°39	16°7	1°28	2°41	9°34	18°24	M10
T 11	19 52 4	27°16'21	3°58	8°4	12°58	11°19	25°59	2°23	23°49	20°39	16°5	1°22	2°38	9°40	18°26	T 11
W12	19 56 1	28°13'43	17°34	9°59	13°45	11°44	26°9	2°24	23°52	20°39	16°4	1°17	2°35	9°47	18°28	W12
T 13	19 59 57	29°11'05	1°29	11°51	14°33	12°10	26°18	2°26	23°56	20°39	16°3	1°13	2°32	9°54	18°30	T 13
F 14	20 3 54	0°8'28	15°37	13°43	15°22	12°35	26°28	2°27	23°59	20°39	16°2	1°11	2°28	10°0	18°32	F 14
S 15	20 7 51	1°5'52	29°56	15°32	16°12	13°2	26°37	2°29	24°3	20°R39	16°0	1°D10	2°25	10°7	18°34	S 15
S 16	20 11 47	2°3'16	14°20	17°20	17°2	13°28	26°47	2°31	24°6	20°39	15°59	1°11	2°22	10°14	18°36	S 16
M17	20 15 44	3°0'41	28°45	19°6	17°53	13°55	26°57	2°33	24°10	20°39	15°58	1°12	2°19	10°20	18°38	M17
T 18	20 19 40	3°58'07	13°7	20°50	18°44	14°23	27°7	2°35	24°14	20°39	15°56	1°13	2°16	10°27	18°40	T 18
W19	20 23 37	4°55'34	27°22	22°33	19°36	14°50	27°17	2°37	24°17	20°39	15°55	1°14	2°12	10°34	18°41	W19
T 20	20 27 33	5°53'01	11°30	24°15	20°29	15°19	27°27	2°39	24°21	20°39	15°54	1°R14	2°9	10°41	18°43	T 20
F 21	20 31 30	6°50'29	25°27	25°54	21°22	15°47	27°37	2°41	24°24	20°39	15°52	1°13	2°6	10°47	18°45	F 21
S 22	20 35 26	7°47'57	9°13	27°32	22°16	16°16	27°48	2°44	24°28	20°39	15°51	1°11	2°3	10°54	18°46	S 22
S 23	20 39 23	8°45'27	22°47	29°9	23°11	16°45	27°58	2°46	24°32	20°38	15°50	1°8	2°0	11°1	18°48	S 23
M24	20 43 20	9°42'57	6°7	0°43	24°6	17°15	28°8	2°49	24°35	20°38	15°49	1°5	1°57	11°7	18°49	M24
T 25	20 47 16	10°40'29	19°14	2°17	25°1	17°44	28°19	2°51	24°39	20°38	15°47	1°2	1°53	11°14	18°51	T 25
W26	20 51 13	11°38'01	2°7	3°48	25°57	18°14	28°30	2°54	24°43	20°37	15°46	1°0	1°50	11°21	18°52	W26
T 27	20 55 9	12°35'35	14°45	5°18	26°54	18°45	28°40	2°57	24°46	20°37	15°45	0°58	1°47	11°27	18°53	T 27
F 28	20 59 6	13°33'09	27°9	6°47	27°50	19°16	28°51	3°0	24°50	20°37	15°43	0°D57	1°44	11°34	18°54	F 28
S 29	21 3 2	14°30'45	9°22	8°13	28°48	19°47	29°2	3°3	24°54	20°36	15°42	0°58	1°41	11°41	18°55	S 29
S 30	21 6 59	15°28'23	21°24	9°38	29°46	20°18	29°13	3°6	24°57	20°36	15°41	0°58	1°38	11°47	18°57	S 30
M31	21 10 55	16°26'01	3°18	11°2	0°44	20°15	29°24	3°9	25°1	20°35	15°39	1°0	1°34	11°54	18°58	M31

Delta T = 196.35 sec

Julian Calendar 1 July 1542 == Greg. Calendar 11 July 1542

AUGUST 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 14 52	17°23'42	15°9	12°23	1°43	21°22	29°35	3°12	25°5	20°R35	15°R38	1°1	1°31	12°9	18°59	T 1
W 2	21 18 49	18°21'24	26°59	13°43	2°42	21°54	29°46	3°16	25°8	20°Y34	15°37	1°2	1°28	12°7	18°59	W 2
T 3	21 22 45	19°19'07	8°53	15°1	3°41	22°26	29°57	3°19	25°12	20°34	15°35	1°3	1°25	12°14	19°0	T 3
F 4	21 26 42	20°16'52	20°57	16°18	4°41	22°59	0°8	3°23	25°16	20°33	15°34	1°R3	1°22	12°21	19°1	F 4
S 5	21 30 38	21°14'39	3°13	17°32	5°41	23°32	0°20	3°26	25°20	20°32	15°33	1°3	1°18	12°27	19°2	S 5
S 6	21 34 35	22°12'28	15°47	18°44	6°42	24°6	0°31	3°30	25°23	20°32	15°31	1°2	1°15	12°34	19°2	S 6
M 7	21 38 31	23°10'18	28°43	19°55	7°43	24°39	0°42	3°34	25°27	20°31	15°30	1°1	1°12	12°41	19°3	M 7
T 8	21 42 28	24°8'10	12°2	21°3	8°44	25°13	0°54	3°37	25°31	20°30	15°29	1°0	1°9	12°47	19°3	T 8
W 9	21 46 24	25°6'04	25°46	22°9	9°46	25°47	1°6	3°41	25°35	20°30	15°27	0°59	1°6	12°54	19°4	W 9
T 10	21 50 21	26°4'00	9°53	23°13	10°48	26°21	1°17	3°45	25°38	20°29	15°26	0°59	1°3	13°1	19°4	T 10
F 11	21 54 18	27°1'57	24°20	24°14	11°50	26°56	1°29	3°49	25°42	20°28	15°25	0°D59	0°59	13°7	19°5	F 11
S 12	21 58 14	27°59'56	9°2	25°13	12°52	27°31	1°41	3°54	25°46	20°27	15°23	0°59	0°56	13°14	19°5	S 12
S 13	22 2 11	28°57'56	23°52	26°9	13°55	28°6	1°52	3°58	25°50	20°26	15°22	0°59	0°53	13°21	19°5	S 13
M14	22 6 7	29°55'57	8°42	27°2	14°58	28°41	2°4	4°2	25°53	20°25	15°21	0°59	0°50	13°27	19°5	M14
T 15	22 10 4	0°54'00	23°25	27°52	16°1	29°17	2°16	4°6	25°57	20°24	15°20	0°R59	0°47	13°34	19°R5	T 15
W16	22 14 0	1°52'05	7°16	28°39	17°5	29°52	2°28	4°11	26°1	20°23	15°18	0°59	0°44	13°41	19°5	W16
T 17	22 17 57	2°50'11	22°10	29°23	18°9	0°28	2°40	4°15	26°5	20°22	15°17	0°59	0°40	13°48	19°5	T 17
F 18	22 21 53	3°48'18	6°6	0°2	19°13	1°5	2°52	4°20	26°8	20°21	15°16	0°D59	0°37	13°54	19°5	F 18
S 19	22 25 50	4°46'27	19°43	0°38	20°18	1°41	3°4	4°25	26°12	20°20	15°15	0°59	0°34	14°1	19°5	S 19
S 20	22 29 47	5°44'38	3°2	1°10	21°22	2°18	3°17	4°29	26°16	20°19	15°13	0°59	0°31	14°8	19°5	S 20
M21	22 33 43	6°42'49	16°3	1°37	22°27	2°54	3°29	4°34	26°20	20°18	15°12	1°0	0°28	14°14	19°4	M21
T 22	22 37 40	7°41'03	28°49	1°59	23°32	3°31	3°41	4°39	26°23	20°17	15°11	1°1	0°24	14°21	19°4	T 22
W23	22 41 36	8°39'18	11°21	2°16	24°38	4°9	3°53	4°44	26°27	20°16	15°10	1°1	0°21	14°28	19°3	W23
T 24	22 45 33	9°37'34	23°42	2°28	25°43	4°46	4°6	4°49	26°31	20°15	15°9	1°2	0°18	14°34	19°3	T 24
F 25	22 49 29	10°35'52	5°52	2°34	26°49	5°24	4°18	4°54	26°34	20°14	15°7	1°R2	0°15	14°41	19°2	F 25
S 26	22 53 26	11°34'13	17°55	2°R34	27°55	6°1	4°31	4°59	26°38	20°12	15°6	1°1	0°12	14°48	19°2	S 26
S 27	22 57 22	12°32'34	29°51	2°28	29°1	6°39	4°43	5°4	26°42	20°11	15°5	1°0	0°9	14°54	19°1	S 27
M28	23 1 19	13°30'58	11°42	2°15	0°8	7°17	4°55	5°10	26°45	20°10	15°4	0°59	0°5	15°1	19°0	M28
T 29	23 5 15	14°29'24	23°32	1°55	1°14	7°56	5°8	5°15	26°49	20°9	15°3	0°57	0°2	15°8	18°59	T 29
W30	23 9 12	15°27'52	5°23	1°29	2°21	8°34	5°21	5°20	26°53	20°7	15°2	0°54	29°59	15°14	18°59	W30
T 31	23 13 9	16°26'22	17°17	0°56	3°28	9°13	5°33	5°16	26°56	20°6	15°1	0°52	29°56	15°21	18°58	T 31

Delta T = 196.16 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1542

## geocentric

SEPTEMBER 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 17 5	17 <sup>17</sup> 24'55	29 <sup>8</sup> 20	0°R16	4 <sup>0</sup> 36	9 <sup>2</sup> 52	5 <sup>0</sup> 46	5 <sup>11</sup> 31	27 <sup>0</sup> 0	20°R 5	14°R59	0°R51	29 <sup>22</sup> 53	15 <sup>17</sup> 28	18°R57	F 1
S 2	23 21 2	18°23'29	11 <sup>11</sup> 34	29 <sup>17</sup> 30	5°43	10°31	5°58	5°37	27° 3	20 <sup>17</sup> 3	14 <sup>22</sup> 58	0 <sup>17</sup> 50	29°50	15°34	18 <sup>18</sup> 55	S 2
S 3	23 24 58	19°22'06	24° 4	28°38	6°51	11°10	6°11	5°42	27° 7	20° 2	14°57	0°D50	29°46	15°41	18°54	S 3
M 4	23 28 55	20°20'45	6 <sup>0</sup> 55	27°41	7°59	11°49	6°24	5°48	27°10	20° 0	14°56	0°51	29°43	15°48	18°53	M 4
T 5	23 32 51	21°19'27	20° 9	26°40	9° 7	12°29	6°37	5°54	27°14	19°59	14°55	0°52	29°40	15°55	18°52	T 5
W 6	23 36 48	22°18'10	3 <sup>0</sup> 49	25°36	10°15	13° 8	6°49	6° 0	27°17	19°58	14°54	0°53	29°37	16° 1	18°51	W 6
T 7	23 40 44	23°16'56	17°57	24°31	11°23	13°48	7° 2	6° 5	27°21	19°56	14°53	0°54	29°34	16° 8	18°49	T 7
F 8	23 44 41	24°15'44	2 <sup>17</sup> 29	23°26	12°32	14°28	7°15	6°11	27°24	19°55	14°52	0°R55	29°30	16°15	18°48	F 8
S 9	23 48 38	25°14'34	17°23	22°22	13°40	15° 8	7°28	6°17	27°28	19°53	14°51	0°54	29°27	16°21	18°46	S 9
S 10	23 52 34	26°13'26	2 <sup>12</sup> 29	21°22	14°49	15°48	7°41	6°23	27°31	19°52	14°50	0°52	29°24	16°28	18°45	S 10
M 11	23 56 31	27°12'20	17°40	20°27	15°58	16°29	7°54	6°29	27°35	19°50	14°49	0°49	29°21	16°35	18°43	M 11
T 12	0 0 27	28°11'16	2 <sup>11</sup> 45	19°38	17° 7	17° 9	8° 7	6°35	27°38	19°49	14°49	0°45	29°18	16°41	18°41	T 12
W 13	0 4 24	29°10'14	17°36	18°57	18°17	17°50	8°19	6°42	27°41	19°47	14°48	0°41	29°15	16°48	18°40	W 13
T 14	0 8 20	0 <sup>12</sup> 9	2 <sup>11</sup> 5	18°25	19°26	18°31	8°32	6°48	27°45	19°46	14°47	0°38	29°11	16°55	18°38	T 14
F 15	0 12 17	1° 8'15	16° 9	18° 3	20°36	19°12	8°45	6°54	27°48	19°44	14°46	0°36	29° 8	17° 1	18°36	F 15
S 16	0 16 13	2° 7'19	29°47	17°50	21°45	19°53	8°58	7° 0	27°51	19°42	14°45	0°D35	29° 5	17° 8	18°34	S 16
S 17	0 20 10	3° 6'24	13 <sup>13</sup> 0	17°D49	22°55	20°34	9°11	7° 7	27°54	19°41	14°44	0°35	29° 2	17°15	18°32	S 17
M 18	0 24 7	4° 5'31	25°52	17°57	24° 5	21°15	9°24	7°13	27°58	19°39	14°44	0°37	28°59	17°21	18°30	M 18
T 19	0 28 3	5° 4'39	8 <sup>22</sup> 25	18°16	25°15	21°57	9°37	7°19	28° 1	19°38	14°43	0°38	28°55	17°28	18°28	T 19
W 20	0 32 0	6° 3'50	20°43	18°45	26°26	22°38	9°50	7°26	28° 4	19°36	14°42	0°40	28°52	17°35	18°26	W 20
T 21	0 35 56	7° 3'02	2 <sup>11</sup> 50	19°23	27°36	23°20	10° 3	7°32	28° 7	19°34	14°41	0°R40	28°49	17°42	18°24	T 21
F 22	0 39 53	8° 2'16	14°50	20°10	28°46	24° 2	10°16	7°39	28°10	19°33	14°41	0°39	28°46	17°48	18°21	F 22
S 23	0 43 49	9° 1'32	26°44	21° 5	29°57	24°44	10°29	7°45	28°13	19°31	14°40	0°36	28°43	17°55	18°19	S 23
S 24	0 47 46	10° 0'50	8 <sup>17</sup> 36	22° 7	1 <sup>17</sup> 8	25°26	10°42	7°52	28°16	19°29	14°39	0°31	28°40	18° 2	18°17	S 24
M 25	0 51 42	11° 0'10	20°26	23°15	2°19	26° 8	10°55	7°58	28°19	19°28	14°39	0°25	28°36	18° 8	18°14	M 25
T 26	0 55 39	11°59'32	2 <sup>18</sup> 17	24°30	3°30	26°50	11° 8	8° 5	28°22	19°26	14°38	0°17	28°33	18°15	18°12	T 26
W 27	0 59 36	12°58'57	14°11	25°49	4°41	27°32	11°21	8°12	28°25	19°24	14°38	0° 9	28°30	18°22	18°10	W 27
T 28	1 3 32	13°58'24	26° 9	27°13	5°52	28°15	11°34	8°18	28°28	19°23	14°37	0° 1	28°27	18°28	18° 7	T 28
F 29	1 7 29	14°57'53	8 <sup>11</sup> 14	28°41	7° 4	28°58	11°47	8°25	28°31	19°21	14°36	29 <sup>22</sup> 54	28°24	18°35	18° 5	F 29
S 30	1 11 25	15 <sup>15</sup> 57'24	20 <sup>11</sup> 29	0 <sup>11</sup> 11	8 <sup>17</sup> 15	29 <sup>22</sup> 40	12 <sup>12</sup> 1	8 <sup>11</sup> 32	28 <sup>12</sup> 34	19 <sup>17</sup> 19	14 <sup>22</sup> 36	29 <sup>22</sup> 49	28 <sup>22</sup> 21	18 <sup>17</sup> 42	18 <sup>18</sup> 2	S 30

Delta T = 195.97 sec

Julian Calendar 1 Sept. 1542 == Greg. Calendar 11 Sept. 1542

OCTOBER 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 15 22	16 <sup>16</sup> 56'57	2 <sup>0</sup> 57	1 <sup>12</sup> 45	9 <sup>17</sup> 27	0 <sup>13</sup> 23	12 <sup>12</sup> 14	8 <sup>11</sup> 39	28 <sup>10</sup> 37	19°R18	14°R35	29°R46	28 <sup>22</sup> 17	18 <sup>17</sup> 48	17°R57	S 1
M 2	1 19 18	17°56'33	15°43	3°20	10°38	1° 6	12°27	8°46	28°40	19 <sup>17</sup> 16	14 <sup>22</sup> 35	29°D44	28°14	18°55	17 <sup>18</sup> 59	M 2
T 3	1 23 15	18°56'11	28°49	4°57	11°50	1°49	12°40	8°52	28°42	19°14	14°35	29 <sup>22</sup> 45	28°11	19° 2	17°54	T 3
W 4	1 27 11	19°55'52	12 <sup>0</sup> 19	6°35	13° 2	2°32	12°53	8°59	28°45	19°13	14°34	29°46	28° 8	19° 8	17°51	W 4
T 5	1 31 8	20°55'35	26°16	8°15	14°14	3°15	13° 6	9° 6	28°48	19°11	14°34	29°R47	28° 5	19°15	17°48	T 5
F 6	1 35 5	21°55'20	10 <sup>17</sup> 40	9°55	15°26	3°58	13°19	9°13	28°50	19° 9	14°33	29°46	28° 1	19°22	17°46	F 6
S 7	1 39 1	22°55'07	25°29	11°35	16°38	4°42	13°31	9°20	28°53	19° 8	14°33	29°44	27°58	19°29	17°43	S 7
S 8	1 42 58	23°54'56	10 <sup>12</sup> 37	13°16	17°51	5°25	13°44	9°27	28°55	19° 6	14°33	29°39	27°55	19°35	17°40	S 8
M 9	1 46 54	24°54'47	25°54	14°58	19° 3	6° 9	13°57	9°34	28°58	19° 4	14°32	29°32	27°52	19°42	17°37	M 9
T 10	1 50 51	25°54'41	11 <sup>11</sup> 11	16°39	20°16	6°52	14°10	9°41	29° 0	19° 3	14°32	29°23	27°49	19°49	17°34	T 10
W 11	1 54 47	26°54'36	26°15	18°20	21°28	7°36	14°23	9°48	29° 3	19° 1	14°32	29°14	27°46	19°55	17°31	W 11
T 12	1 58 44	27°54'34	10 <sup>12</sup> 59	20° 1	22°41	8°20	14°36	9°55	29° 5	18°59	14°32	29° 6	27°42	20° 2	17°28	T 12
F 13	2 2 40	28°54'32	25°15	21°42	23°53	9° 4	14°49	10° 2	29° 7	18°58	14°32	28°59	27°39	20° 9	17°25	F 13
S 14	2 6 37	29°54'33	9 <sup>13</sup> 1	23°22	25° 6	9°48	15° 2	10° 9	29°10	18°56	14°31	28°55	27°36	20°15	17°22	S 14
S 15	2 10 34	0 <sup>11</sup> 54'35	22°18	25° 2	26°19	10°32	15°15	10°16	29°12	18°54	14°31	28°53	27°33	20°22	17°19	S 15
M 16	2 14 30	1°54'39	5 <sup>22</sup> 9	26°42	27°32	11°16	15°27	10°23	29°14	18°53	14°31	28°D53	27°30	20°29	17°16	M 16
T 17	2 18 27	2°54'44	17°39	28°22	28°45	12° 0	15°40	10°31	29°16	18°51	14°31	28°53	27°27	20°36	17°13	T 17
W 18	2 22 23	3°54'51	29°51	0 <sup>11</sup> 1	29°58	12°44	15°53	10°38	29°18	18°50	14°31	28°R54	27°23	20°42	17°10	W 18
T 19	2 26 20	4°55'00	11 <sup>11</sup> 52	1°39	1 <sup>12</sup> 11	13°28	16° 6	10°45	29°20	18°48	14°D31	28°53	27°20	20°49	17° 6	T 19
F 20	2 30 16	5°55'10	23°45	3°18	2°25	14°13	16°18	10°52	29°22	18°46	14°31	28°50	27°17	20°56	17° 3	F 20
S 21	2 34 13	6°55'21	5 <sup>17</sup> 35	4°56	3°38	14°57	16°31	10°59	29°24	18°45	14°31	28°44	27°14	21° 2	17° 0	S 21
S 22	2 38 9	7°55'35	17°24	6°33	4°51	15°42	16°43	11° 6	29°26	18°43	14°31	28°35	27°11	21° 9	16°57	S 22
M 23	2 42 6	8°55'50	29°16	8°10	6° 5	16°26	16°56	11°13	29°28	18°42	14°31	28°24	27° 7	21°16	16°54	M 23
T 24	2 46 2	9°56'07	11 <sup>18</sup> 12	9°47	7°18	17°11	17° 9	11°21	29°30	18°40	14°31	28°11	27° 4	21°22	16°50	T 24
W 25	2 49 59	10°56'25	23°12	11°23	8°32	17°55	17°21	11°28	29°32	18°39	14°32	27°57	27° 1	21°29	16°47	W 25
T 26	2 53 56	11°56'46	5 <sup>11</sup> 19	12°59	9°45	18°40	17°34	11°35	29°34	18°37	14°32	27°44	26°58	21°36	16°44	T 26
F 27	2 57 52	12°57'08	17°33	14°35	10°59	19°25	17°46	11°42	29°35	18°36	14°32	27°32	26°55	21°42	16°41	F 27
S 28	3 1 49	13°57'32	29°56	16°10	12°13	20°10	17°58	11°49	29°37	18°34	14°32	27°22	26°52	21°49	16°37	S 28
S 29	3 5 45	14°57'58	12 <sup>0</sup> 30	17°45	13°27	20°55	18°11	11°56	29°38	18°33	14°32	27°15	26°48	21°56	16°34	S 29
M 30	3 9 42	15°58'26	25°17	19°20	14°41	21°40	18°23	12° 3	29°40	18°31	14°33	27°12	26°45	22° 3	16°31	M 30
T 31	3 13 38	16 <sup>16</sup> 58'56	8 <sup>12</sup> 20	20 <sup>11</sup> 55	15 <sup>12</sup> 55	22 <sup>13</sup> 25	18 <sup>12</sup> 35	12 <sup>11</sup> 11	29 <sup>12</sup> 41	18 <sup>17</sup> 30	14 <sup>22</sup> 33	27 <sup>22</sup> 10	26 <sup>22</sup> 42	22 <sup>17</sup> 9	16 <sup>18</sup> 27	T 31

Delta T = 195.79 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1542  
geocentric

NOVEMBER 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 17 35	17 <sup>11</sup> 59'27	21 <sup>10</sup> 43	22 <sup>11</sup> 29	17 <sup>11</sup> 9	23 <sup>10</sup> 10	18 <sup>11</sup> 47	12 <sup>11</sup> 18	29 <sup>10</sup> 43	18 <sup>10</sup> 28	14 <sup>11</sup> 33	27 <sup>10</sup> 10	26 <sup>11</sup> 39	22 <sup>11</sup> 16	16 <sup>10</sup> 24	W 1
T 2	3 21 32	19 <sup>0</sup> 0'00	5 <sup>11</sup> 28	24 <sup>0</sup> 3	18 <sup>10</sup> 23	23 <sup>10</sup> 55	19 <sup>0</sup> 0	12 <sup>10</sup> 25	29 <sup>0</sup> 44	18 <sup>10</sup> 27	14 <sup>10</sup> 34	27 <sup>10</sup> 10	26 <sup>10</sup> 36	22 <sup>10</sup> 23	16 <sup>10</sup> 21	T 2
F 3	3 25 28	20 <sup>0</sup> 0'36	19 <sup>0</sup> 37	25 <sup>0</sup> 37	19 <sup>0</sup> 37	24 <sup>0</sup> 40	19 <sup>0</sup> 12	12 <sup>0</sup> 32	29 <sup>0</sup> 45	18 <sup>0</sup> 25	14 <sup>0</sup> 34	27 <sup>0</sup> 8	26 <sup>0</sup> 33	22 <sup>0</sup> 29	16 <sup>0</sup> 18	F 3
S 4	3 29 25	21 <sup>0</sup> 1'12	4 <sup>11</sup> 9	27 <sup>0</sup> 10	20 <sup>0</sup> 51	25 <sup>0</sup> 25	19 <sup>0</sup> 24	12 <sup>0</sup> 39	29 <sup>0</sup> 47	18 <sup>0</sup> 24	14 <sup>0</sup> 35	27 <sup>0</sup> 5	26 <sup>0</sup> 29	22 <sup>0</sup> 36	16 <sup>0</sup> 14	S 4
S 5	3 33 21	22 <sup>0</sup> 1'51	19 <sup>0</sup> 0	28 <sup>0</sup> 44	22 <sup>0</sup> 5	26 <sup>0</sup> 10	19 <sup>0</sup> 36	12 <sup>0</sup> 46	29 <sup>0</sup> 48	18 <sup>0</sup> 23	14 <sup>0</sup> 35	26 <sup>0</sup> 58	26 <sup>0</sup> 26	22 <sup>0</sup> 43	16 <sup>0</sup> 11	S 5
M 6	3 37 18	23 <sup>0</sup> 2'31	4 <sup>11</sup> 6	0 <sup>11</sup> 17	23 <sup>0</sup> 19	26 <sup>0</sup> 55	19 <sup>0</sup> 48	12 <sup>0</sup> 53	29 <sup>0</sup> 49	18 <sup>0</sup> 21	14 <sup>0</sup> 35	26 <sup>0</sup> 49	26 <sup>0</sup> 23	22 <sup>0</sup> 49	16 <sup>0</sup> 8	M 6
T 7	3 41 14	24 <sup>0</sup> 3'13	19 <sup>0</sup> 15	1 <sup>10</sup> 50	24 <sup>0</sup> 34	27 <sup>0</sup> 41	20 <sup>0</sup> 0	13 <sup>0</sup> 0	29 <sup>0</sup> 50	18 <sup>0</sup> 20	14 <sup>0</sup> 36	26 <sup>0</sup> 38	26 <sup>0</sup> 20	22 <sup>0</sup> 56	16 <sup>0</sup> 5	T 7
W 8	3 45 11	25 <sup>0</sup> 3'57	4 <sup>11</sup> 18	3 <sup>10</sup> 23	25 <sup>0</sup> 48	28 <sup>0</sup> 26	20 <sup>0</sup> 11	13 <sup>0</sup> 7	29 <sup>0</sup> 51	18 <sup>0</sup> 19	14 <sup>0</sup> 36	26 <sup>0</sup> 26	26 <sup>0</sup> 17	23 <sup>0</sup> 3	16 <sup>0</sup> 1	W 8
T 9	3 49 7	26 <sup>0</sup> 4'42	19 <sup>0</sup> 5	4 <sup>10</sup> 55	27 <sup>0</sup> 2	29 <sup>0</sup> 12	20 <sup>0</sup> 23	13 <sup>0</sup> 14	29 <sup>0</sup> 52	18 <sup>0</sup> 18	14 <sup>0</sup> 37	26 <sup>0</sup> 14	26 <sup>0</sup> 13	23 <sup>0</sup> 10	15 <sup>0</sup> 58	T 9
F 10	3 53 4	27 <sup>0</sup> 5'28	3 <sup>10</sup> 27	6 <sup>0</sup> 28	28 <sup>0</sup> 17	29 <sup>0</sup> 57	20 <sup>0</sup> 35	13 <sup>0</sup> 21	29 <sup>0</sup> 53	18 <sup>0</sup> 16	14 <sup>0</sup> 38	26 <sup>0</sup> 5	26 <sup>0</sup> 10	23 <sup>0</sup> 16	15 <sup>0</sup> 55	F 10
S 11	3 57 1	28 <sup>0</sup> 6'15	17 <sup>0</sup> 21	8 <sup>0</sup> 0	29 <sup>0</sup> 31	0 <sup>11</sup> 42	20 <sup>0</sup> 47	13 <sup>0</sup> 28	29 <sup>0</sup> 54	18 <sup>0</sup> 15	14 <sup>0</sup> 38	25 <sup>0</sup> 58	26 <sup>0</sup> 7	23 <sup>0</sup> 23	15 <sup>0</sup> 52	S 11
S 12	4 0 57	29 <sup>0</sup> 7'03	0 <sup>11</sup> 45	9 <sup>0</sup> 33	0 <sup>11</sup> 46	1 <sup>10</sup> 28	20 <sup>0</sup> 58	13 <sup>0</sup> 35	29 <sup>0</sup> 55	18 <sup>0</sup> 14	14 <sup>0</sup> 39	25 <sup>0</sup> 54	26 <sup>0</sup> 4	23 <sup>0</sup> 30	15 <sup>0</sup> 48	S 12
M 13	4 4 54	0 <sup>11</sup> 7'52	13 <sup>0</sup> 41	11 <sup>0</sup> 5	2 <sup>10</sup> 0	2 <sup>10</sup> 13	21 <sup>0</sup> 10	13 <sup>0</sup> 42	29 <sup>0</sup> 56	18 <sup>0</sup> 13	14 <sup>0</sup> 39	25 <sup>0</sup> 52	26 <sup>0</sup> 1	23 <sup>0</sup> 36	15 <sup>0</sup> 45	M 13
T 14	4 8 50	1 <sup>10</sup> 8'42	26 <sup>0</sup> 13	12 <sup>0</sup> 37	3 <sup>10</sup> 15	2 <sup>10</sup> 59	21 <sup>0</sup> 21	13 <sup>0</sup> 49	29 <sup>0</sup> 56	18 <sup>0</sup> 12	14 <sup>0</sup> 40	25 <sup>0</sup> 52	25 <sup>0</sup> 58	23 <sup>0</sup> 43	15 <sup>0</sup> 42	T 14
W 15	4 12 47	2 <sup>10</sup> 9'33	8 <sup>10</sup> 27	14 <sup>0</sup> 8	4 <sup>10</sup> 29	3 <sup>10</sup> 45	21 <sup>0</sup> 32	13 <sup>0</sup> 56	29 <sup>0</sup> 57	18 <sup>0</sup> 11	14 <sup>0</sup> 41	25 <sup>0</sup> 52	25 <sup>0</sup> 54	23 <sup>0</sup> 50	15 <sup>0</sup> 39	W 15
T 16	4 16 43	3 <sup>10</sup> 10'25	20 <sup>0</sup> 27	15 <sup>0</sup> 40	5 <sup>10</sup> 44	4 <sup>10</sup> 30	21 <sup>0</sup> 44	14 <sup>0</sup> 3	29 <sup>0</sup> 58	18 <sup>0</sup> 9	14 <sup>0</sup> 42	25 <sup>0</sup> 50	25 <sup>0</sup> 51	23 <sup>0</sup> 56	15 <sup>0</sup> 36	T 16
F 17	4 20 40	4 <sup>11</sup> 1'17	2 <sup>10</sup> 19	17 <sup>0</sup> 11	6 <sup>10</sup> 58	5 <sup>10</sup> 16	21 <sup>0</sup> 55	14 <sup>0</sup> 10	29 <sup>0</sup> 58	18 <sup>0</sup> 8	14 <sup>0</sup> 42	25 <sup>0</sup> 47	25 <sup>0</sup> 48	24 <sup>0</sup> 3	15 <sup>0</sup> 33	F 17
S 18	4 24 36	5 <sup>12</sup> 1'11	14 <sup>0</sup> 9	18 <sup>0</sup> 43	8 <sup>10</sup> 13	6 <sup>10</sup> 2	22 <sup>0</sup> 6	14 <sup>0</sup> 17	29 <sup>0</sup> 59	18 <sup>0</sup> 7	14 <sup>0</sup> 43	25 <sup>0</sup> 42	25 <sup>0</sup> 45	24 <sup>0</sup> 10	15 <sup>0</sup> 30	S 18
S 19	4 28 33	6 <sup>13</sup> 0'05	25 <sup>0</sup> 59	20 <sup>0</sup> 13	9 <sup>10</sup> 28	6 <sup>10</sup> 47	22 <sup>0</sup> 17	14 <sup>0</sup> 24	29 <sup>0</sup> 59	18 <sup>0</sup> 6	14 <sup>0</sup> 44	25 <sup>0</sup> 33	25 <sup>0</sup> 42	24 <sup>0</sup> 17	15 <sup>0</sup> 27	S 19
M 20	4 32 30	7 <sup>14</sup> 0'11	7 <sup>13</sup> 53	21 <sup>0</sup> 44	10 <sup>10</sup> 42	7 <sup>10</sup> 33	22 <sup>0</sup> 28	14 <sup>0</sup> 31	29 <sup>0</sup> 59	18 <sup>0</sup> 5	14 <sup>0</sup> 45	25 <sup>0</sup> 22	25 <sup>0</sup> 38	24 <sup>0</sup> 23	15 <sup>0</sup> 24	M 20
T 21	4 36 26	8 <sup>14</sup> 5'17	19 <sup>0</sup> 55	23 <sup>0</sup> 14	11 <sup>10</sup> 57	8 <sup>10</sup> 19	22 <sup>0</sup> 39	14 <sup>0</sup> 37	29 <sup>0</sup> 59	18 <sup>0</sup> 4	14 <sup>0</sup> 46	25 <sup>0</sup> 9	25 <sup>0</sup> 35	24 <sup>0</sup> 30	15 <sup>0</sup> 21	T 21
W 22	4 40 23	9 <sup>15</sup> 5'4	2 <sup>11</sup> 5	24 <sup>0</sup> 44	13 <sup>10</sup> 12	9 <sup>10</sup> 4	22 <sup>0</sup> 50	14 <sup>0</sup> 44	29 <sup>0</sup> 59	18 <sup>0</sup> 3	14 <sup>0</sup> 46	24 <sup>0</sup> 55	25 <sup>0</sup> 32	24 <sup>0</sup> 37	15 <sup>0</sup> 18	W 22
T 23	4 44 19	10 <sup>16</sup> 5'2	14 <sup>0</sup> 24	26 <sup>0</sup> 13	14 <sup>10</sup> 27	9 <sup>10</sup> 50	23 <sup>0</sup> 1	14 <sup>0</sup> 51	0 <sup>11</sup> 0	18 <sup>0</sup> 3	14 <sup>0</sup> 47	24 <sup>0</sup> 41	25 <sup>0</sup> 29	24 <sup>0</sup> 43	15 <sup>0</sup> 15	T 23
F 24	4 48 16	11 <sup>17</sup> 5'1	26 <sup>0</sup> 53	27 <sup>0</sup> 42	15 <sup>10</sup> 42	10 <sup>10</sup> 36	23 <sup>0</sup> 11	14 <sup>0</sup> 57	0 <sup>11</sup> 0	18 <sup>0</sup> 2	14 <sup>0</sup> 48	24 <sup>0</sup> 28	25 <sup>0</sup> 26	24 <sup>0</sup> 50	15 <sup>0</sup> 12	F 24
S 25	4 52 12	12 <sup>18</sup> 5'1	9 <sup>13</sup> 32	29 <sup>0</sup> 10	16 <sup>10</sup> 56	11 <sup>10</sup> 22	23 <sup>0</sup> 22	15 <sup>0</sup> 4	0 <sup>11</sup> 0	18 <sup>0</sup> 1	14 <sup>0</sup> 49	24 <sup>0</sup> 18	25 <sup>0</sup> 23	24 <sup>0</sup> 57	15 <sup>0</sup> 9	S 25
S 26	4 56 9	13 <sup>19</sup> 5'2	22 <sup>0</sup> 21	0 <sup>13</sup> 37	18 <sup>10</sup> 11	12 <sup>0</sup> 8	23 <sup>0</sup> 33	15 <sup>0</sup> 11	0 <sup>11</sup> 0	18 <sup>0</sup> 0	14 <sup>0</sup> 50	24 <sup>0</sup> 11	25 <sup>0</sup> 19	25 <sup>0</sup> 4	15 <sup>0</sup> 6	S 26
M 27	5 0 5	14 <sup>20</sup> 5'4	5 <sup>13</sup> 21	2 <sup>0</sup> 4	19 <sup>10</sup> 26	12 <sup>0</sup> 53	23 <sup>0</sup> 43	15 <sup>0</sup> 17	0 <sup>11</sup> 0	17 <sup>0</sup> 59	14 <sup>0</sup> 51	24 <sup>0</sup> 7	25 <sup>0</sup> 16	25 <sup>0</sup> 10	15 <sup>0</sup> 4	M 27
T 28	5 4 2	15 <sup>21</sup> 5'6	18 <sup>0</sup> 33	3 <sup>10</sup> 29	20 <sup>10</sup> 41	13 <sup>0</sup> 39	23 <sup>0</sup> 53	15 <sup>0</sup> 24	0 <sup>11</sup> 0	17 <sup>0</sup> 59	14 <sup>0</sup> 52	24 <sup>0</sup> D 6	25 <sup>0</sup> 13	25 <sup>0</sup> 17	15 <sup>0</sup> 1	T 28
W 29	5 7 59	16 <sup>23</sup> 0'0	1 <sup>14</sup> 59	4 <sup>10</sup> 52	21 <sup>10</sup> 56	14 <sup>0</sup> 25	24 <sup>0</sup> 4	15 <sup>0</sup> 30	0 <sup>11</sup> 0	17 <sup>0</sup> 58	14 <sup>0</sup> 53	24 <sup>0</sup> 6	25 <sup>0</sup> 10	25 <sup>0</sup> 24	14 <sup>0</sup> 58	W 29
T 30	5 11 55	17 <sup>24</sup> 0'5	15 <sup>14</sup> 40	6 <sup>15</sup> 14	23 <sup>11</sup> 11	15 <sup>11</sup> 11	24 <sup>0</sup> 14	15 <sup>11</sup> 37	0 <sup>11</sup> 0	17 <sup>0</sup> 57	14 <sup>0</sup> 54	24 <sup>0</sup> R 6	25 <sup>11</sup> 7	25 <sup>11</sup> 30	14 <sup>11</sup> 56	T 30

Delta T = 195.60 sec

Julian Calendar 1 Nov. 1542 == Greg. Calendar 11 Nov. 1542

DECEMBER 1542 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 15 52	18 <sup>25</sup> 10	29 <sup>11</sup> 38	7 <sup>13</sup> 34	24 <sup>11</sup> 26	15 <sup>11</sup> 57	24 <sup>11</sup> 24	15 <sup>11</sup> 43	29 <sup>11</sup> R59	17 <sup>11</sup> R57	14 <sup>11</sup> 55	24 <sup>11</sup> R 6	25 <sup>11</sup> 4	25 <sup>11</sup> 37	14 <sup>11</sup> R53	F 1
S 2	5 19 48	19 <sup>26</sup> 17	13 <sup>12</sup> 53	8 <sup>10</sup> 52	25 <sup>10</sup> 41	16 <sup>0</sup> 43	24 <sup>0</sup> 34	15 <sup>0</sup> 50	29 <sup>0</sup> 59	17 <sup>0</sup> 56	14 <sup>0</sup> 57	24 <sup>0</sup> 3	25 <sup>0</sup> 0	25 <sup>0</sup> 44	14 <sup>0</sup> R51	S 2
S 3	5 23 45	20 <sup>27</sup> 24	28 <sup>0</sup> 23	10 <sup>0</sup> 7	26 <sup>0</sup> 56	17 <sup>0</sup> 29	24 <sup>0</sup> 44	15 <sup>0</sup> 56	29 <sup>0</sup> 59	17 <sup>0</sup> 55	14 <sup>0</sup> 58	23 <sup>0</sup> 58	24 <sup>0</sup> 57	25 <sup>0</sup> 50	14 <sup>0</sup> 48	S 3
M 4	5 27 41	21 <sup>28</sup> 33	13 <sup>13</sup> 3	11 <sup>0</sup> 19	28 <sup>0</sup> 11	18 <sup>0</sup> 14	24 <sup>0</sup> 53	16 <sup>0</sup> 2	29 <sup>0</sup> 59	17 <sup>0</sup> 55	14 <sup>0</sup> 59	23 <sup>0</sup> 51	24 <sup>0</sup> 54	25 <sup>0</sup> 57	14 <sup>0</sup> 46	M 4
T 5	5 31 38	22 <sup>29</sup> 42	27 <sup>0</sup> 49	12 <sup>0</sup> 27	29 <sup>0</sup> 26	19 <sup>0</sup> 0	25 <sup>0</sup> 3	16 <sup>0</sup> 8	29 <sup>0</sup> 58	17 <sup>0</sup> 54	15 <sup>0</sup> 0	23 <sup>0</sup> 42	24 <sup>0</sup> 51	26 <sup>0</sup> 4	14 <sup>0</sup> 43	T 5
W 6	5 35 34	23 <sup>30</sup> 51	12 <sup>14</sup> 32	13 <sup>0</sup> 31	0 <sup>14</sup> 41	19 <sup>0</sup> 46	25 <sup>0</sup> 13	16 <sup>0</sup> 15	29 <sup>0</sup> 58	17 <sup>0</sup> 54	15 <sup>0</sup> 1	23 <sup>0</sup> 31	24 <sup>0</sup> 48	26 <sup>0</sup> 11	14 <sup>0</sup> 41	W 6
T 7	5 39 31	24 <sup>32</sup> 02	27 <sup>0</sup> 4	14 <sup>0</sup> 31	1 <sup>15</sup> 6	20 <sup>0</sup> 32	25 <sup>0</sup> 22	16 <sup>0</sup> 21	29 <sup>0</sup> 57	17 <sup>0</sup> 53	15 <sup>0</sup> 2	23 <sup>0</sup> 22	24 <sup>0</sup> 45	26 <sup>0</sup> 17	14 <sup>0</sup> 38	T 7
F 8	5 43 28	25 <sup>33</sup> 12	11 <sup>15</sup> 18	15 <sup>0</sup> 24	3 <sup>11</sup> 1	21 <sup>0</sup> 18	25 <sup>0</sup> 31	16 <sup>0</sup> 27	29 <sup>0</sup> 56	17 <sup>0</sup> 53	15 <sup>0</sup> 4	23 <sup>0</sup> 14	24 <sup>0</sup> 41	26 <sup>0</sup> 24	14 <sup>0</sup> 36	F 8
S 9	5 47 24	26 <sup>34</sup> 23	25 <sup>0</sup> 9	16 <sup>0</sup> 12	4 <sup>12</sup> 6	22 <sup>0</sup> 4	25 <sup>0</sup> 41	16 <sup>0</sup> 33	29 <sup>0</sup> 56	17 <sup>0</sup> 53	15 <sup>0</sup> 5	23 <sup>0</sup> 8	24 <sup>0</sup> 38	26 <sup>0</sup> 31	14 <sup>0</sup> 34	S 9
S 10	5 51 21	27 <sup>35</sup> 34	8 <sup>14</sup> 34	16 <sup>0</sup> 52	5 <sup>12</sup> 42	22 <sup>0</sup> 50	25 <sup>0</sup> 50	16 <sup>0</sup> 39	29 <sup>0</sup> 55	17 <sup>0</sup> 52	15 <sup>0</sup> 6	23 <sup>0</sup> 4	24 <sup>0</sup> 35	26 <sup>0</sup> 37	14 <sup>0</sup> 32	S 10
M11	5 55 17	28 <sup>36</sup> 45	21 <sup>0</sup> 34	17 <sup>0</sup> 24	6 <sup>12</sup> 57	23 <sup>0</sup> 36	25 <sup>0</sup> 59	16 <sup>0</sup> 45	29 <sup>0</sup> 54	17 <sup>0</sup> 52	15 <sup>0</sup> 7	23 <sup>0</sup> D 3	24 <sup>0</sup> 32	26 <sup>0</sup> 44	14 <sup>0</sup> 30	M11
T 12	5 59 14	29 <sup>37</sup> 56	4 <sup>15</sup> 10	17 <sup>0</sup> 47	8 <sup>12</sup> 12	24 <sup>0</sup> 22	26 <sup>0</sup> 8	16 <sup>0</sup> 51	29 <sup>0</sup> 53	17 <sup>0</sup> 52	15 <sup>0</sup> 9	23 <sup>0</sup> 4	24 <sup>0</sup> 29	26 <sup>0</sup> 51	14 <sup>0</sup> 28	T 12
W13	6 3 10	0 <sup>39</sup> 07	16 <sup>18</sup> 28	17 <sup>0</sup> 59	9 <sup>12</sup> 27	25 <sup>0</sup> 8	26 <sup>0</sup> 16	16 <sup>0</sup> 57	29 <sup>0</sup> 52	17 <sup>0</sup> 51	15 <sup>0</sup> 10	23 <sup>0</sup> 5	24 <sup>0</sup> 25	26 <sup>0</sup> 58	14 <sup>0</sup> 26	W13
T 14	6 7 7	1 <sup>40</sup> 0'18	28 <sup>0</sup> 31	18 <sup>0</sup> R 2	10 <sup>12</sup> 42	25 <sup>0</sup> 54	26 <sup>0</sup> 25	17 <sup>0</sup> 2	29 <sup>0</sup> 52	17 <sup>0</sup> 51	15 <sup>0</sup> 11	23 <sup>0</sup> R 6	24 <sup>0</sup> 22	27 <sup>0</sup> 4	14 <sup>0</sup> 24	T 14
F 15	6 11 4	2 <sup>41</sup> 28	10 <sup>19</sup> 25	17 <sup>0</sup> 52	11 <sup>12</sup> 57	26 <sup>0</sup> 40	26 <sup>0</sup> 33	17 <sup>0</sup> 8	29 <sup>0</sup> 51	17 <sup>0</sup> 51	15 <sup>0</sup> 13	23 <sup>0</sup> 5	24 <sup>0</sup> 19	27 <sup>0</sup> 11	14 <sup>0</sup> 22	F 15
S 16	6 15 0	3 <sup>42</sup> 39	22 <sup>0</sup> 16	17 <sup>0</sup> 31	13 <sup>12</sup> 12	27 <sup>0</sup> 25	26 <sup>0</sup> 42	17 <sup>0</sup> 14	29 <sup>0</sup> 49	17 <sup>0</sup> 51	15 <sup>0</sup> 14	23 <sup>0</sup> 3	24 <sup>0</sup> 16	27 <sup>0</sup> 18	14 <sup>0</sup> 20	S 16
S 17	6 18 57	4 <sup>43</sup> 49	4 <sup>18</sup> 8	16 <sup>0</sup> 59	14 <sup>0</sup> 28	28 <sup>0</sup> 11	26 <sup>0</sup> 50	17 <sup>0</sup> 19	29 <sup>0</sup> 48	17 <sup>0</sup> 51	15 <sup>0</sup> 16	22 <sup>0</sup> 59	24 <sup>0</sup> 13	27 <sup>0</sup> 24	14 <sup>0</sup> 18	S 17
M18	6 22 53	5 <sup>44</sup> 59	16 <sup>0</sup> 5	16 <sup>0</sup> 14	15 <sup>0</sup> 43	28 <sup>0</sup> 57	26 <sup>0</sup> 58	17 <sup>0</sup> 25	29 <sup>0</sup> 47	17 <sup>0</sup> 51	15 <sup>0</sup> 17	22 <sup>0</sup> 52	24 <sup>0</sup> 10	27 <sup>0</sup> 31	14 <sup>0</sup> 16	M18
T 19	6 26 50	6 <sup>46</sup> 09	28 <sup>0</sup> 11	15 <sup>0</sup> 19	16 <sup>0</sup> 58	29 <sup>0</sup> 43	27 <sup>0</sup> 6	17 <sup>0</sup> 30	29 <sup>0</sup> 46	17 <sup>0</sup> 50	15 <sup>0</sup> 18	22 <sup>0</sup> 45	24 <sup>0</sup> 6	27 <sup>0</sup> 38	14 <sup>0</sup> 15	T 19
W20	6 30 46	7 <sup>47</sup> 19	10 <sup>12</sup> 29	14 <sup>0</sup> 15	18 <sup>0</sup> 13	0 <sup>14</sup> 29	27 <sup>0</sup> 14	17 <sup>0</sup> 36	29 <sup>0</sup> 45	17 <sup>0</sup> D50	15 <sup>0</sup> 20	22 <sup>0</sup> 36	24 <sup>0</sup> 3	27 <sup>0</sup> 45	14 <sup>0</sup> 13	W20
T 21	6 34 43	8 <sup>48</sup> 28	23 <sup>0</sup> 0	13 <sup>0</sup> 3	19 <sup>0</sup> 28	1 <sup>15</sup> 15	27 <sup>0</sup> 22	17 <sup>0</sup> 41	29 <sup>0</sup> 43	17 <sup>0</sup> 51	15 <sup>0</sup> 21	22 <sup>0</sup> 27	24 <sup>0</sup> 0	27 <sup>0</sup> 51	14 <sup>0</sup> 12	T 21
F 22	6 38 39	9 <sup>49</sup> 37	5 <sup>18</sup> 45	11 <sup>0</sup> 45	20 <sup>0</sup> 43	2 <sup>0</sup> 1	27 <sup>0</sup> 30	17 <sup>0</sup> 47	29 <sup>0</sup> 42	17 <sup>0</sup> 51	15 <sup>0</sup> 23	22 <sup>0</sup> 20	23 <sup>0</sup> 57	27 <sup>0</sup> 58	14 <sup>0</sup> 10	F 22
S 23	6 42 36	10 <sup>50</sup> 46	18 <sup>0</sup> 44	10 <sup>0</sup> 25	21 <sup>0</sup> 59	2 <sup>0</sup> 47	27 <sup>0</sup> 37	17 <sup>0</sup> 52	29 <sup>0</sup> 41	17 <sup>0</sup> 51	15 <sup>0</sup> 24	22 <sup>0</sup> 14	23 <sup>0</sup> 54	28 <sup>0</sup> 5	14 <sup>0</sup> 9	S 23
S 24	6 46 33	11 <sup>51</sup> 55	1 <sup>18</sup> 55	9 <sup>0</sup> 5	23 <sup>0</sup> 14	3 <sup>0</sup> 32	27 <sup>0</sup> 44	17 <sup>0</sup> 57	29 <sup>0</sup> 39	17 <sup>0</sup> 51	15 <sup>0</sup> 26	22 <sup>0</sup> 10	23 <sup>0</sup> 51	28 <sup>0</sup> 11	14 <sup>0</sup> 7	S 24
M25	6 50 29	12 <sup>53</sup> 04	15 <sup>0</sup> 18	7 <sup>0</sup> 47	24 <sup>0</sup> 29	4 <sup>0</sup> 18	27 <sup>0</sup> 52	18 <sup>0</sup> 2	29 <sup>0</sup> 38	17 <sup>0</sup> 51	15 <sup>0</sup> 27	22 <sup>0</sup> 8	23 <sup>0</sup> 47	28 <sup>0</sup> 18	14 <sup>0</sup> 6	M25
T 26	6 54 26	13 <sup>54</sup> 12	28 <sup>0</sup> 52	6 <sup>0</sup> 34	25 <sup>0</sup> 44	5 <sup>0</sup> 4	27 <sup>0</sup> 59	18 <sup>0</sup> 7	29 <sup>0</sup> 36	17 <sup>0</sup> 51	15 <sup>0</sup> 29	22 <sup>0</sup> D 8	23 <sup>0</sup> 44	28 <sup>0</sup> 25	14 <sup>0</sup> 5	T 26
W27	6 58 22	14 <sup>55</sup> 21	12 <sup>19</sup> 36	5 <sup>0</sup> 27	26 <sup>0</sup> 59	5 <sup>0</sup> 50	28 <sup>0</sup> 6	18 <sup>0</sup> 12	29 <sup>0</sup> 35	17 <sup>0</sup> 51	15 <sup>0</sup> 30	22 <sup>0</sup> 9	23 <sup>0</sup> 41	28 <sup>0</sup> 31	14 <sup>0</sup> 4	W27
T 28	7 2 19	15 <sup>56</sup> 29	26 <sup>0</sup> 28	4 <sup>0</sup> 28	28 <sup>0</sup> 15	6 <sup>0</sup> 35	28 <sup>0</sup> 12	18 <sup>0</sup> 17	29 <sup>0</sup> 33	17 <sup>0</sup> 52	15 <sup>0</sup> 32	22 <sup>0</sup> R10	23 <sup>0</sup> 38	28 <sup>0</sup> 38	14 <sup>0</sup> 2	T 28
F 29	7 6 15	16 <sup>57</sup> 37	10 <sup>18</sup> 28	3 <sup>0</sup> 38	29 <sup>0</sup> 30	7 <sup>0</sup> 21	28 <sup>0</sup> 19	18 <sup>0</sup> 22	29 <sup>0</sup> 31	17 <sup>0</sup> 52	15 <sup>0</sup> 34	22 <sup>0</sup> R12	23 <sup>0</sup> 35	28 <sup>0</sup> 45	14 <sup>0</sup> 1	F 29
S 30	7 10 12	17 <sup>58</sup> 45	24 <sup>0</sup> 36	2 <sup>0</sup> 57	0 <sup>13</sup> 45	8 <sup>0</sup> 7	28 <sup>0</sup> 26	18 <sup>0</sup> 26	29 <sup>0</sup> 30	17 <sup>0</sup> 52	15 <sup>0</sup> 35	22 <sup>0</sup> 12	23 <sup>0</sup> 31	28 <sup>0</sup> 52	14 <sup>0</sup> 0	S 30
S 31	7 14 8	18 <sup>59</sup> 52	8 <sup>18</sup> 50	2 <sup>0</sup> 37	2 <sup>0</sup> 30	8 <sup>0</sup> 53	28 <sup>0</sup> 32	18 <sup>0</sup> 31	29 <sup>0</sup> 28	17 <sup>0</sup> 53	15 <sup>0</sup> 37	22 <sup>0</sup> 10	23 <sup>0</sup> 38	28 <sup>0</sup> 58	14 <sup>0</sup> 0	S 31