



Astrodienst Ephemeris Tables for the year 1543

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 1543

geocentric

JANUARY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	7 18 5	20°31'00	23°11'00	2°R 5	3°31'15	9°38'38	28°43'38	18°11'36	29°R26	17°53'53	15°38'38	22°R 7	23°25'25	29°51'5	13°R59	M 1
T 2	7 22 2	21° 2'07	7°21'25	1°35'53	4°31'15	10°24'44	28°44'44	18°40'40	29°R24	17°54'54	15°40'40	22°R 3	23°22'22	29°12'12	13°R58	T 2
W 3	7 25 58	22° 3'14	21°38'38	1°D50	5°46'46	11° 9'09	28°50'50	18°45'45	29°22'22	17°54'54	15°42'42	21°58'58	23°19'19	29°18'18	13°57'57	W 3
T 4	7 29 55	23° 4'21	5°34'42	1°55'55	7° 1'11	11°55'55	28°56'56	18°49'49	29°20'20	17°55'55	15°43'43	21°53'53	23°16'16	29°25'25	13°57'57	T 4
F 5	7 33 51	24° 5'27	19°33'33	2° 8'08	8°16'16	12°41'41	29° 1'01	18°53'53	29°18'18	17°55'55	15°45'45	21°49'49	23°12'12	29°32'32	13°56'56	F 5
S 6	7 37 48	25° 6'32	3°37'48	2°28'28	9°31'31	13°26'26	29° 7'07	18°58'58	29°16'16	17°56'56	15°47'47	21°47'47	23° 9'09	29°39'39	13°55'55	S 6
S 7	7 41 44	26° 7'36	16°21'21	2°54'54	10°47'47	14°12'12	29°12'12	19° 2'02	29°14'14	17°56'56	15°48'48	21°D45	23° 6'06	29°45'45	13°55'55	S 7
M 8	7 45 41	27° 8'40	29°16'16	3°26'26	12° 2'02	14°57'57	29°17'17	19° 6'06	29°12'12	17°57'57	15°50'50	21°46'46	23° 3'03	29°52'52	13°55'55	M 8
T 9	7 49 38	28° 9'42	11°35'52	4° 3'03	13°17'17	15°43'43	29°22'22	19°10'10	29°10'10	17°58'58	15°52'52	21°47'47	23° 0'00	29°59'59	13°54'54	T 9
W10	7 53 34	29°10'44	24°11'11	4°45'45	14°32'32	16°28'28	29°27'27	19°14'14	29° 8'08	17°58'58	15°53'53	21°48'48	22°57'57	0°3'03	13°54'54	W10
T 11	7 57 31	0°11'44	6°11'44	5°31'31	15°48'48	17°14'14	29°32'32	19°17'17	29° 6'06	17°59'59	15°55'55	21°50'50	22°53'53	0°12'12	13°54'54	T 11
F 12	8 1 27	1°12'43	18°13'13	6°22'22	17° 3'03	17°59'59	29°36'36	19°21'21	29° 4'04	18° 0'00	15°57'57	21°51'51	22°50'50	0°19'19	13°54'54	F 12
S 13	8 5 24	2°13'41	0°3'03	7°16'16	18°18'18	18°45'45	29°40'40	19°25'25	29° 1'01	18° 1'01	15°58'58	21°R52	22°47'47	0°26'26	13°D54	S 13
S 14	8 9 20	3°14'37	11°57'57	8°13'13	19°33'33	19°30'30	29°44'44	19°28'28	28°59'59	18° 2'02	16° 0'00	21°52'52	22°44'44	0°32'32	13°54'54	S 14
M15	8 13 17	4°15'33	23°55'55	9°13'13	20°48'48	20°15'15	29°48'48	19°32'32	28°57'57	18° 2'02	16° 2'02	21°51'51	22°41'41	0°39'39	13°54'54	M15
T 16	8 17 13	5°16'27	6°11'11	10°16'16	22° 3'03	21° 1'01	29°52'52	19°35'35	28°55'55	18° 3'03	16° 4'04	21°49'49	22°37'37	0°46'46	13°54'54	T 16
W17	8 21 10	6°17'20	18°24'24	11°21'21	23°19'19	21°46'46	29°56'56	19°38'38	28°52'52	18° 4'04	16° 5'05	21°46'46	22°34'34	0°52'52	13°54'54	W17
T 18	8 25 7	7°18'11	1°35'52	12°28'28	24°34'34	22°31'31	29°59'59	19°41'41	28°50'50	18° 5'05	16° 7'07	21°44'44	22°31'31	0°59'59	13°55'55	T 18
F 19	8 29 3	8°19'02	13°57'57	13°38'38	25°49'49	23°16'16	0°11'11	19°44'44	28°48'48	18° 6'06	16° 9'09	21°42'42	22°28'28	1° 6'06	13°55'55	F 19
S 20	8 33 0	9°19'51	27°12'12	14°50'50	27° 4'04	24° 2'02	0° 5'05	19°47'47	28°45'45	18° 7'07	16°11'11	21°41'41	22°25'25	1°13'13	13°56'56	S 20
S 21	8 36 56	10°20'38	10°12'45	16° 3'03	28°19'19	24°47'47	0° 8'08	19°50'50	28°43'43	18° 8'08	16°12'12	21°40'40	22°22'22	1°19'19	13°56'56	S 21
M22	8 40 53	11°21'24	24°35'35	17°18'18	29°34'34	25°32'32	0°11'11	19°53'53	28°40'40	18°10'10	16°14'14	21°D40	22°18'18	1°26'26	13°57'57	M22
T 23	8 44 49	12°22'09	8°11'37	18°34'34	0°44'44	26°17'17	0°13'13	19°56'56	28°38'38	18°11'11	16°16'16	21°40'40	22°15'15	1°33'33	13°57'57	T 23
W24	8 48 46	13°22'53	22°48'48	19°52'52	2° 4'04	27° 2'02	0°16'16	19°58'58	28°35'35	18°12'12	16°18'18	21°41'41	22°12'12	1°39'39	13°58'58	W24
T 25	8 52 42	14°23'36	7°15'52	21°12'12	3°20'20	27°47'47	0°18'18	20° 1'01	28°33'33	18°13'13	16°19'19	21°41'41	22° 9'09	1°46'46	13°59'59	T 25
F 26	8 56 39	15°24'17	21°23'23	22°32'32	4°35'35	28°32'32	0°20'20	20° 3'03	28°30'30	18°14'14	16°21'21	21°42'42	22° 6'06	1°53'53	14° 0'00	F 26
S 27	9 0 36	16°24'58	5°11'39	23°54'54	5°50'50	29°17'17	0°22'22	20° 6'06	28°28'28	18°15'15	16°23'23	21°42'42	22° 3'03	2° 0'00	14° 1'01	S 27
S 28	9 4 32	17°25'37	19°51'51	25°17'17	7° 5'05	0°17'17	0°23'23	20° 8'08	28°25'25	18°17'17	16°25'25	21°R42	21°59'59	2° 6'06	14° 2'02	S 28
M29	9 8 29	18°26'16	3°15'52	26°42'42	8°20'20	0°47'47	0°25'25	20°10'10	28°23'23	18°18'18	16°26'26	21°42'42	21°56'56	2°13'13	14° 3'03	M29
T 30	9 12 25	19°26'53	17°52'52	28° 7'07	9°35'35	1°31'31	0°26'26	20°12'12	28°20'20	18°19'19	16°28'28	21°42'42	21°53'53	2°20'20	14° 4'04	T 30
W31	9 16 22	20°27'29	1°35'52	29°33'33	10°50'50	2°16'16	0°11'11	20°14'14	28°17'17	18°17'17	16°30'30	21°42'42	21°50'50	2°26'26	14° 5'05	W31

Delta T = 195.23 sec

Julian Calendar 1 Jan. 1543 == Greg. Calendar 11 Jan. 1543

FEBRUARY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 20 18	21°28'04	15°31'13	1°35'52	12°28'28	3°17'17	0°11'11	20°16'16	28°R15	18°17'17	16°33'33	21°D42	21°47'47	2°33'33	14° 6'06	T 1
F 2	9 24 15	22°28'37	28°36'36	2°29'29	13°20'20	3°46'46	0°28'28	20°18'18	28°R12	18°24'24	16°34'34	21°42'42	21°43'43	2°40'40	14° 8'08	F 2
S 3	9 28 11	23°29'09	11°45'45	3°59'59	14°35'35	4°30'30	0°29'29	20°19'19	28°R10	18°25'25	16°35'35	21°42'42	21°40'40	2°47'47	14° 9'09	S 3
S 4	9 32 8	24°29'39	24°40'40	5°29'29	15°50'50	5°15'15	0°29'29	20°21'21	28° 7'07	18°27'27	16°37'37	21°R42	21°37'37	2°53'53	14°10'10	S 4
M 5	9 36 5	25°30'08	7°11'21	7° 1'01	17° 5'05	6° 0'00	0°R29	20°22'22	28° 4'04	18°28'28	16°39'39	21°42'42	21°34'34	3° 0'00	14°12'12	M 5
T 6	9 40 1	26°30'35	19°48'48	8°33'33	18°20'20	6°44'44	0°29'29	20°24'24	28° 2'02	18°30'30	16°40'40	21°41'41	21°31'31	3° 7'07	14°14'14	T 6
W 7	9 43 58	27°31'00	2°17'31	10° 7'07	19°35'35	7°29'29	0°29'29	20°25'25	27°59'59	18°31'31	16°42'42	21°41'41	21°28'28	3°13'13	14°15'15	W 7
T 8	9 47 54	28°31'23	14° 7'07	11°41'41	20°50'50	8°13'13	0°28'28	20°26'26	27°56'56	18°33'33	16°44'44	21°40'40	21°24'24	3°20'20	14°17'17	T 8
F 9	9 51 51	29°31'44	26° 4'04	13°17'17	22° 5'05	8°58'58	0°28'28	20°27'27	27°54'54	18°34'34	16°46'46	21°39'39	21°21'21	3°27'27	14°19'19	F 9
S 10	9 55 47	0°32'04	7°15'52	14°53'53	23°20'20	9°42'42	0°27'27	20°28'28	27°51'51	18°36'36	16°47'47	21°38'38	21°18'18	3°34'34	14°21'21	S 10
S 11	9 59 44	1°32'21	19°48'48	16°30'30	24°35'35	10°26'26	0°26'26	20°29'29	27°49'49	18°38'38	16°49'49	21°37'37	21°15'15	3°40'40	14°22'22	S 11
M12	10 3 40	2°32'37	1°11'45	18° 9'09	25°50'50	11°11'11	0°24'24	20°30'30	27°46'46	18°39'39	16°51'51	21°D37	21°12'12	3°47'47	14°24'24	M12
T 13	10 7 37	3°32'50	13°50'50	19°48'48	27° 5'05	11°55'55	0°23'23	20°30'30	27°43'43	18°41'41	16°53'53	21°37'37	21° 8'08	3°54'54	14°26'26	T 13
W14	10 11 34	4°33'02	26° 9'09	21°29'29	28°20'20	12°39'39	0°21'21	20°31'31	27°41'41	18°43'43	16°54'54	21°38'38	21° 5'05	4° 0'00	14°28'28	W14
T 15	10 15 30	5°33'11	8°15'46	23°10'10	29°35'35	13°24'24	0°20'20	20°31'31	27°38'38	18°44'44	16°56'56	21°39'39	21° 2'02	4° 7'07	14°31'31	T 15
F 16	10 19 27	6°33'18	21°44'44	24°53'53	0°11'11	14° 8'08	0°18'18	20°32'32	27°36'36	18°46'46	16°58'58	21°40'40	20°59'59	4°14'14	14°33'33	F 16
S 17	10 23 23	7°33'23	5°11'46	26°36'36	2° 5'05	14°52'52	0°15'15	20°32'32	27°33'33	18°48'48	16°59'59	21°41'41	20°56'56	4°21'21	14°35'35	S 17
S 18	10 27 20	8°33'26	18°52'52	28°21'21	3°20'20	15°36'36	0°13'13	20°32'32	27°30'30	18°50'50	17° 1'01	21°R42	20°53'53	4°27'27	14°37'37	S 18
M19	10 31 16	9°33'27	3°11'40	0°11'11	4°35'35	16°20'20	0°11'11	20°R32	27°28'28	18°52'52	17° 3'03	21°42'42	20°49'49	4°34'34	14°40'40	M19
T 20	10 35 13	10°33'26	17°28'28	1°54'54	5°50'50	17° 4'04	0° 8'08	20°32'32	27°25'25	18°54'54	17° 4'04	21°40'40	20°46'46	4°41'41	14°42'42	T 20
W21	10 39 9	11°33'23	2°11'48	3°42'42	7° 4'04	17°48'48	0° 5'05	20°32'32	27°23'23	18°55'55	17° 6'06	21°38'38	20°43'43	4°47'47	14°45'45	W21
T 22	10 43 6	12°33'19	16°54'54	5°31'31	8°19'19	18°32'32	0° 2'02	20°31'31	27°20'20	18°57'57	17° 8'08	21°35'35	20°40'40	4°54'54	14°47'47	T 22
F 23	10 47 2	13°33'12	1°11'39	7°21'21	9°34'34	19°16'16	29°15'59	20°31'31	27°18'18	18°59'59	17° 9'09	21°32'32	20°37'37	5° 1'01	14°50'50	F 23
S 24	10 50 59	14°33'04	16°15'15	9°13'13	10°49'49	19°59'59	29°55'55	20°30'30	27°15'15	19° 1'01	17°11'11	21°30'30	20°34'34	5° 8'08	14°52'52	S 24
S 25	10 54 56	15°32'54	0°17'39	11° 5'05	12° 4'04	20°43'43	29°52'52	20°30'30	27°13'13	19° 3'03	17°12'12	21°28'28	20°30'30	5°14'14	14°55'55	S 25
M26	10 58 52	16°32'43	14°45'45	12°59'59	13°18'18	21°27'27	29°48'48	20°29'29	27°10'10	19° 5'05	17°14'14	21°D27	20°27'27	5°21'21	14°58'58	M26
T 27	11 2 49	17°32'30	28°34'34	14°54'54	14°33'33	22°10'10	29°44'44	20°28'28	27° 8'08	19° 7'07	17°15'15	21°28'28	20°24'24	5°28'28	15° 1'01	T 27
W28	11 6 45	18°32'15	12°35'52	16°41'49	15°41'48	22°19'54	29°40'40	20°12'27	27°R 6	19°R 9	17°17'17	21°17'29	20°11'21	5°35'35	15°R 3	W28

ASTRODIENST EPHEMERIS for the year 1543

geocentric

MARCH 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	11 10 42	19°31'59	25°31'19	18°46	17°3	23°38	29°R36	20°R27	27°R 3	19°V11	17°319	21°331	20°318	5°41	15°6	T 1
F 2	11 14 38	20°31'41	8°31'18	20°44	18°17	24°21	29°31	20°M25	27°1	19°13	17°20	21°32	20°14	5°48	15°9	F 2
S 3	11 18 35	21°31'20	21° 4	22°43	19°32	25° 5	29°27	20°24	26°59	19°15	17°22	21°R33	20°11	5°55	15°12	S 3
S 4	11 22 31	22°30'58	3°39	24°42	20°47	25°48	29°22	20°23	26°56	19°17	17°23	21°32	20° 8	6° 1	15°15	S 4
M 5	11 26 28	23°30'34	16° 3	26°42	22° 1	26°32	29°17	20°22	26°54	19°19	17°25	21°30	20° 5	6° 8	15°18	M 5
T 6	11 30 25	24°30'08	28°17	28°43	23°16	27°15	29°12	20°20	26°52	19°21	17°26	21°26	20° 2	6°15	15°22	T 6
W 7	11 34 21	25°29'40	10°V23	0°V44	24°31	27°58	29° 7	20°19	26°50	19°23	17°28	21°20	19°59	6°22	15°25	W 7
T 8	11 38 18	26°29'10	22°23	2°46	25°45	28°42	29° 1	20°17	26°47	19°26	17°29	21°14	19°55	6°28	15°28	T 8
F 9	11 42 14	27°28'37	4°B17	4°47	27° 0	29°25	28°56	20°15	26°45	19°28	17°30	21° 7	19°52	6°35	15°31	F 9
S 10	11 46 11	28°28'03	16° 9	6°48	28°14	0°8	28°50	20°13	26°43	19°30	17°32	21° 1	19°49	6°42	15°35	S 10
S 11	11 50 7	29°27'26	28° 1	8°48	29°29	0°51	28°44	20°11	26°41	19°32	17°33	20°55	19°46	6°48	15°38	S 11
M12	11 54 4	0°V26'47	9°II56	10°47	0°V44	1°34	28°39	20° 9	26°39	19°34	17°35	20°51	19°43	6°55	15°41	M12
T 13	11 58 0	1°26'05	21°59	12°45	1°58	2°17	28°33	20° 7	26°37	19°36	17°36	20°49	19°40	7° 2	15°45	T 13
W14	12 1 57	2°25'22	4°314	14°42	3°13	3° 0	28°26	20° 5	26°35	19°38	17°37	20°D48	19°36	7° 9	15°48	W14
T 15	12 5 54	3°24'36	16°46	16°36	4°27	3°43	28°20	20° 3	26°33	19°41	17°39	20°49	19°33	7°15	15°52	T 15
F 16	12 9 50	4°23'47	29°40	18°28	5°42	4°26	28°14	20° 0	26°31	19°43	17°40	20°51	19°30	7°22	15°55	F 16
S 17	12 13 47	5°22'56	12°59	20°17	6°56	5° 9	28° 7	19°58	26°29	19°45	17°41	20°52	19°27	7°29	15°59	S 17
S 18	12 17 43	6°22'03	26°45	22° 3	8°11	5°52	28° 1	19°55	26°27	19°47	17°43	20°R52	19°24	7°35	16° 3	S 18
M19	12 21 40	7°21'08	11°0	23°45	9°25	6°35	27°54	19°53	26°26	19°49	17°44	20°50	19°20	7°42	16° 6	M19
T 20	12 25 36	8°20'10	25°39	25°23	10°39	7°17	27°47	19°50	26°24	19°52	17°45	20°46	19°17	7°49	16°10	T 20
W21	12 29 33	9°19'10	10°38	26°57	11°54	8° 0	27°40	19°47	26°22	19°54	17°46	20°41	19°14	7°56	16°14	W21
T 22	12 33 29	10°18'09	25°47	28°26	13° 8	8°43	27°33	19°44	26°20	19°56	17°47	20°33	19°11	8° 2	16°17	T 22
F 23	12 37 26	11°17'05	10°56	29°51	14°22	9°25	27°26	19°41	26°19	19°58	17°49	20°26	19° 8	8° 9	16°21	F 23
S 24	12 41 23	12°15'59	25°55	1°10	15°37	10° 8	27°19	19°38	26°17	20° 1	17°50	20°19	19° 5	8°16	16°25	S 24
S 25	12 45 19	13°14'52	10°37	2°24	16°51	10°50	27°12	19°35	26°16	20° 3	17°51	20°13	19° 1	8°23	16°29	S 25
M26	12 49 16	14°13'43	24°55	3°32	18° 5	11°33	27° 5	19°32	26°14	20° 5	17°52	20° 9	18°58	8°29	16°33	M26
T 27	12 53 12	15°12'33	8°349	4°35	19°20	12°15	26°58	19°29	26°13	20° 7	17°53	20° 7	18°55	8°36	16°37	T 27
W28	12 57 9	16°11'20	22°17	5°31	20°34	12°58	26°50	19°26	26°11	20°10	17°54	20°D 7	18°52	8°43	16°41	W28
T 29	13 1 5	17°10'06	5°33	6°22	21°48	13°40	26°43	19°22	26°10	20°12	17°55	20° 8	18°49	8°49	16°45	T 29
F 30	13 5 2	18°8'50	18°10	7° 7	23° 2	14°22	26°35	19°19	26° 9	20°14	17°56	20°R 9	18°45	8°56	16°49	F 30
S 31	13 8 58	19°V 7'32	0°H41	7°B46	24°V17	15°8	26°28	19°M15	26°7	20°V16	17°57	20°38	18°42	9°8	16°53	S 31

Delta T = 194.87 sec

Julian Calendar 1 March 1543 == Greg. Calendar 11 March 1543

APRIL 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 12 55	20°V 6'13	13°H 0	8°B18	25°V31	15°B47	26°R20	19°R12	26°R 6	20°V19	17°58	20°R 6	18°339	9°B10	16°B57	S 1
M 2	13 16 52	21° 4'51	25°10	8°44	26°45	16°29	26°13	19°M 8	26°5	20°21	17°59	20°30	18°36	9°16	17° 1	M 2
T 3	13 20 48	22° 3'28	7°V13	9° 4	27°59	17°11	26° 5	19° 4	26° 4	20°23	18° 0	19°53	18°33	9°23	17° 5	T 3
W 4	13 24 45	23° 2'03	19°11	9°18	29°13	17°53	25°57	19° 1	26° 3	20°25	18° 1	19°42	18°30	9°30	17° 9	W 4
T 5	13 28 41	24° 0'36	1°B 5	9°26	0°B27	18°35	25°50	18°57	26° 2	20°28	18° 2	19°31	18°26	9°36	17°13	T 5
F 6	13 32 38	24°59'07	12°57	9°R28	1°42	19°17	25°42	18°53	26° 1	20°30	18° 3	19°18	18°23	9°43	17°18	F 6
S 7	13 36 34	25°57'36	24°49	9°24	2°56	19°59	25°34	18°49	26° 0	20°32	18° 4	19° 6	18°20	9°50	17°22	S 7
S 8	13 40 31	26°56'03	6°II42	9°15	4°10	20°41	25°27	18°45	25°59	20°35	18° 4	18°55	18°17	9°57	17°26	S 8
M 9	13 44 27	27°54'28	18°39	9° 0	5°24	21°23	25°19	18°41	25°58	20°37	18° 5	18°46	18°14	10° 3	17°30	M 9
T 10	13 48 24	28°52'52	0°342	8°41	6°38	22° 4	25°11	18°37	25°57	20°39	18° 6	18°40	18°11	10°10	17°35	T 10
W11	13 52 21	29°51'13	12°56	8°17	7°52	22°46	25° 4	18°33	25°57	20°41	18° 7	18°37	18° 7	10°17	17°39	W11
T 12	13 56 17	0°B49'32	25°25	7°49	9° 6	23°28	24°56	18°29	25°56	20°44	18° 8	18°36	18° 4	10°24	17°43	T 12
F 13	14 0 14	1°47'48	8°B13	7°18	10°20	24° 9	24°48	18°25	25°55	20°46	18° 8	18°D36	18° 1	10°30	17°48	F 13
S 14	14 4 10	2°46'03	21°25	6°44	11°34	24°51	24°41	18°20	25°55	20°48	18° 9	18°R36	17°58	10°37	17°52	S 14
S 15	14 8 7	3°44'16	5°II 5	6° 8	12°48	25°33	24°33	18°16	25°54	20°50	18°10	18°35	17°55	10°44	17°56	S 15
M16	14 12 3	4°42'26	19°13	5°30	14° 2	26°14	24°26	18°12	25°54	20°52	18°10	18°32	17°51	10°50	18° 1	M16
T 17	14 16 0	5°40'34	3°3450	4°52	15°15	26°56	24°18	18° 8	25°53	20°55	18°11	18°27	17°48	10°57	18° 5	T 17
W18	14 19 56	6°38'41	18°51	4°14	16°29	27°37	24°11	18° 3	25°53	20°57	18°11	18°19	17°45	11° 4	18° 9	W18
T 19	14 23 53	7°36'46	4°M 7	3°36	17°43	28°19	24° 4	17°59	25°53	20°59	18°12	18° 9	17°42	11°11	18°14	T 19
F 20	14 27 49	8°34'49	19°28	2°59	18°57	29° 0	23°56	17°55	25°52	21° 1	18°12	17°58	17°39	11°17	18°18	F 20
S 21	14 31 46	9°32'51	4°342	2°24	20°11	29°41	23°49	17°50	25°52	21° 3	18°13	17°48	17°36	11°24	18°23	S 21
S 22	14 35 43	10°30'51	19°38	1°52	21°25	0°II22	23°42	17°46	25°52	21° 6	18°13	17°39	17°32	11°31	18°27	S 22
M23	14 39 39	11°28'49	4°B10	1°23	22°38	1° 4	23°35	17°41	25°52	21° 8	18°14	17°33	17°29	11°37	18°32	M23
T 24	14 43 36	12°26'47	18°13	0°57	23°52	1°45	23°28	17°37	25°D52	21°10	18°14	17°29	17°26	11°44	18°36	T 24
W25	14 47 32	13°24'43	1°348	0°34	25° 6	2°26	23°21	17°32	25°52	21°12	18°15	17°28	17°23	11°51	18°40	W25
T 26	14 51 29	14°22'38	14°55	0°16	26°20	3° 7	23°15	17°28	25°52	21°14	18°15	17°28	17°20	11°58	18°45	T 26
F 27	14 55 25	15°20'31	27°39	0° 2	27°33	3°48	23° 8	17°23	25°52	21°16	18°15	17°27	17°17	12° 4	18°49	F 27
S 28	14 59 22	16°18'23	10°H 5	29°V52	28°47	4°29	23° 1	17°19	25°52	21°18	18°16	17°26	17°13	12°11	18°54	S 28
S 29	15 3 19	17°16'14	22°18	29°47	0°II 1	5°10	22°55	17°15	25°52	21°20	18°16	17°23	17°10	12°18	18°58	S 29
M30	15 7 15	18°B14'03	4°V20	29°D47	1°II14	5°II51	22°48	17°M10	25°53	21°V22	18°16	17°17	17°7	12°B25	19°B 3	M30

Delta T = 194.68 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1543
geocentric

MAY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	15 11 12	19♂11'52	16♀16	29♀51	2♂28	6♂32	22°R42	17°R 6	25♂53	21♀25	18♂17	17°R 8	17♂4	12♂31	19♂7	T 1
W 2	15 15 8	20° 9'39	28° 9	29°59	3°42	7°13	22♂36	17♂1	25°53	21°27	18°17	16♂57	17° 1	12°38	19°12	W 2
T 3	15 19 5	21° 7'24	10♂0	0♂12	4°55	7°54	22°30	16°57	25°54	21°29	18°17	16°43	16°57	12°45	19°16	T 3
F 4	15 23 1	22° 5'09	21°52	0°30	6° 9	8°35	22°24	16°52	25°54	21°31	18°17	16°29	16°54	12°51	19°21	F 4
S 5	15 26 58	23° 2'52	3♂46	0°52	7°22	9°15	22°18	16°48	25°55	21°33	18°17	16°15	16°51	12°58	19°25	S 5
S 6	15 30 54	24° 0'34	15°44	1°18	8°36	9°56	22°13	16°43	25°55	21°35	18°17	16° 3	16°48	13° 5	19°30	S 6
M 7	15 34 51	24°58'14	27°46	1°49	9°49	10°37	22° 7	16°39	25°56	21°37	18°18	15°53	16°45	13°12	19°34	M 7
T 8	15 38 48	25°55'53	9♂55	2°23	11° 3	11°17	22° 2	16°34	25°57	21°39	18°18	15°46	16°42	13°18	19°39	T 8
W 9	15 42 44	26°53'31	22°14	3° 2	12°16	11°58	21°57	16°30	25°58	21°40	18°18	15°42	16°38	13°25	19°43	W 9
T 10	15 46 41	27°51'07	4♂46	3°44	13°30	12°39	21°51	16°26	25°58	21°42	18°R18	15°40	16°35	13°32	19°48	T 10
F 11	15 50 37	28°48'41	17°34	4°30	14°43	13°19	21°47	16°21	25°59	21°44	18°18	15°D39	16°32	13°39	19°52	F 11
S 12	15 54 34	29°46'14	0♂43	5°20	15°57	14° 0	21°42	16°17	26° 0	21°46	18°18	15°R39	16°29	13°45	19°56	S 12
S 13	15 58 30	0♂43'46	14°15	6°13	17°10	14°40	21°37	16°13	26° 1	21°48	18°18	15°39	16°26	13°52	20° 1	S 13
M14	16 2 27	1°41'16	28°14	7° 9	18°24	15°21	21°33	16° 9	26° 2	21°50	18°18	15°36	16°23	13°59	20° 5	M14
T 15	16 6 23	2°38'45	12♂40	8° 9	19°37	16° 1	21°28	16° 4	26° 3	21°52	18°17	15°32	16°19	14° 5	20°10	T 15
W16	16 10 20	3°36'12	27°29	9°12	20°50	16°41	21°24	16° 0	26° 4	21°54	18°17	15°25	16°16	14°12	20°14	W16
T 17	16 14 17	4°33'39	12♂35	10°19	22° 4	17°22	21°20	15°56	26° 6	21°55	18°17	15°16	16°13	14°19	20°18	T 17
F 18	16 18 13	5°31'04	27°50	11°28	23°17	18° 2	21°16	15°52	26° 7	21°57	18°17	15° 6	16°10	14°26	20°23	F 18
S 19	16 22 10	6°28'28	13♂3	12°41	24°30	18°42	21°13	15°48	26° 8	21°59	18°17	14°56	16° 7	14°32	20°27	S 19
S 20	16 26 6	7°25'52	28° 2	13°56	25°44	19°22	21° 9	15°44	26° 9	22° 1	18°16	14°48	16° 3	14°39	20°32	S 20
M21	16 30 3	8°23'14	12♂39	15°15	26°57	20° 2	21° 6	15°40	26°11	22° 2	18°16	14°42	16° 0	14°46	20°36	M21
T 22	16 33 59	9°20'36	26°49	16°36	28°10	20°43	21° 3	15°36	26°12	22° 4	18°16	14°39	15°57	14°52	20°40	T 22
W23	16 37 56	10°17'58	10♂31	18° 0	29°23	21°23	21° 0	15°32	26°14	22° 6	18°16	14°D38	15°54	14°59	20°45	W23
T 24	16 41 52	11°15'18	23°44	19°27	0♂36	22° 3	20°57	15°28	26°15	22° 7	18°15	14°38	15°51	15° 6	20°49	T 24
F 25	16 45 49	12°12'38	6♂32	20°57	1°50	22°43	20°54	15°25	26°17	22° 9	18°15	14°R39	15°48	15°13	20°53	F 25
S 26	16 49 46	13° 9'58	18°59	22°30	3° 3	23°23	20°52	15°21	26°18	22°10	18°15	14°38	15°44	15°19	20°57	S 26
S 27	16 53 42	14° 7'17	1♀11	24° 5	4°16	24° 3	20°49	15°17	26°20	22°12	18°14	14°37	15°41	15°26	21° 2	S 27
M28	16 57 39	15° 4'35	13°12	25°44	5°29	24°43	20°47	15°14	26°22	22°14	18°14	14°33	15°38	15°33	21° 6	M28
T 29	17 1 35	16° 1'54	25° 6	27°25	6°42	25°23	20°45	15°10	26°24	22°15	18°13	14°27	15°35	15°40	21°10	T 29
W30	17 5 32	16°59'11	6♂57	29° 8	7°55	26° 2	20°43	15° 7	26°25	22°17	18°13	14°19	15°32	15°46	21°14	W30
T 31	17 9 28	17♂56'29	18♂49	0♂55	9♂8	26♂42	20♂42	15♂3	26♂27	22♀18	18♂12	14♂9	15♂29	15♂53	21♂18	T 31

Delta T = 194.50 sec

Julian Calendar 1 May 1543 == Greg. Calendar 11 May 1543

JUNE 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	17 13 25	18♂53'46	0♂43	2♂44	10♂21	27♂22	20°R40	15°R 0	26♂29	22♀19	18°R12	13°R59	15♂25	16♂0	21♂22	F 1
S 2	17 17 21	19°51'02	12°42	4°36	11°34	28° 2	20♂39	14♂57	26°31	22°21	18♂11	13♂49	15°22	16° 6	21°27	S 2
S 3	17 21 18	20°48'18	24°47	6°30	12°47	28°42	20°38	14°53	26°33	22°22	18°11	13°40	15°19	16°13	21°31	S 3
M 4	17 25 15	21°45'34	7♂0	8°27	14° 0	29°21	20°37	14°50	26°35	22°24	18°10	13°33	15°16	16°20	21°35	M 4
T 5	17 29 11	22°42'49	19°21	10°26	15°13	0♂1	20°36	14°47	26°37	22°25	18° 9	13°28	15°13	16°27	21°39	T 5
W 6	17 33 8	23°40'03	1♂52	12°27	16°26	0°41	20°36	14°44	26°39	22°26	18° 9	13°25	15° 9	16°33	21°43	W 6
T 7	17 37 4	24°37'17	14°35	14°30	17°39	1°20	20°36	14°41	26°41	22°28	18° 8	13°D24	15° 6	16°40	21°47	T 7
F 8	17 41 1	25°34'30	27°32	16°35	18°52	2° 0	20°D35	14°39	26°44	22°29	18° 7	13°25	15° 3	16°47	21°51	F 8
S 9	17 44 57	26°31'43	10♂46	18°42	20° 5	2°39	20°35	14°36	26°46	22°30	18° 7	13°26	15° 0	16°54	21°55	S 9
S 10	17 48 54	27°28'55	24°18	20°50	21°18	3°19	20°36	14°33	26°48	22°31	18° 6	13°R27	14°57	17° 0	21°58	S 10
M11	17 52 50	28°26'07	8♂11	22°59	22°31	3°58	20°36	14°31	26°51	22°32	18° 5	13°26	14°54	17° 7	22° 2	M11
T 12	17 56 47	29°23'18	22°25	25° 9	23°43	4°38	20°37	14°28	26°53	22°34	18° 4	13°24	14°50	17°14	22° 6	T 12
W13	18 0 44	0♂20'28	6♂57	27°19	24°56	5°17	20°37	14°26	26°55	22°35	18° 4	13°21	14°47	17°20	22°10	W13
T 14	18 4 40	1°17'38	21°45	29°30	26° 9	5°57	20°38	14°23	26°58	22°36	18° 3	13°15	14°44	17°27	22°14	T 14
F 15	18 8 37	2°14'48	6♂40	1♂41	27°22	6°36	20°39	14°21	27° 0	22°37	18° 2	13°10	14°41	17°34	22°17	F 15
S 16	18 12 33	3°11'58	21°35	3°52	28°34	7°16	20°41	14°19	27° 3	22°38	18° 1	13° 4	14°38	17°41	22°21	S 16
S 17	18 16 30	4° 9'07	6♂21	6° 2	29°47	7°55	20°42	14°17	27° 5	22°39	18° 0	12°59	14°35	17°47	22°25	S 17
M18	18 20 26	5° 6'17	20°51	8°11	1♂0	8°34	20°44	14°15	27° 8	22°40	17°59	12°55	14°31	17°54	22°28	M18
T 19	18 24 23	6° 3'27	4♂58	10°19	2°12	9°13	20°45	14°13	27°11	22°41	17°59	12°54	14°28	18° 1	22°32	T 19
W20	18 28 20	7° 0'36	18°40	12°26	3°25	9°53	20°47	14°11	27°13	22°42	17°58	12°D54	14°25	18° 8	22°35	W20
T 21	18 32 16	7°57'46	1♂56	14°32	4°37	10°32	20°50	14° 9	27°16	22°43	17°57	12°55	14°22	18°14	22°39	T 21
F 22	18 36 13	8°54'56	14°49	16°37	5°50	11°11	20°52	14° 7	27°19	22°43	17°56	12°56	14°19	18°21	22°42	F 22
S 23	18 40 9	9°52'07	27°20	18°40	7° 3	11°50	20°54	14° 6	27°22	22°44	17°55	12°58	14°15	18°28	22°46	S 23
S 24	18 44 6	10°49'18	9♀35	20°41	8°15	12°29	20°57	14° 4	27°24	22°45	17°54	12°R58	14°12	18°34	22°49	S 24
M25	18 48 2	11°46'29	21°37	22°40	9°27	13° 9	21° 0	14° 3	27°27	22°46	17°53	12°58	14° 9	18°41	22°53	M25
T 26	18 51 59	12°43'41	3♂32	24°38	10°40	13°48	21° 3	14° 2	27°30	22°46	17°52	12°56	14° 6	18°48	22°56	T 26
W27	18 55 55	13°40'54	15°25	26°34	11°52	14°27	21° 6	14° 0	27°33	22°47	17°51	12°53	14° 3	18°55	22°59	W27
T 28	18 59 52	14°38'07	27°18	28°28	13° 5	15° 6	21° 9	13°59	27°36	22°48	17°50	12°49	14° 0	19° 1	23° 2	T 28
F 29	19 3 49	15°35'21	9♂16	0♂20	14°17	15°45	21°13	13°58	27°39	22°48	17°49	12°44	13°56	19° 8	23° 6	F 29
S 30	19 7 45	16♂32'35	21♂21	2♂11	15♂29	16♂24	21♂17	13♂57	27♂42	22♀49	17♂48	12♂40	13♂53	19♂15	23♂9	S 30

Delta T = 194.31 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1543
geocentric

JULY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 11 42	17°59'50	3°35	3♂59	16♂42	17°3	21♂20	13°R57	27♂45	22°Y50	17°R46	12°R36	13°50	19♂21	23♂12	S 1
M 2	19 15 38	18°27'05	16° 0	5°46	17°54	17°42	21°24	13♂56	27°48	22°50	17°45	12°33	13°47	19°28	23°15	M 2
T 3	19 19 35	19°24'21	28°37	7°31	19° 6	18°21	21°29	13°55	27°51	22°51	17°44	12°31	13°44	19°35	23°18	T 3
W 4	19 23 31	20°21'37	11♂27	9°14	20°18	19° 0	21°33	13°55	27°55	22°51	17°43	12°D31	13°41	19°42	23°21	W 4
T 5	19 27 28	21°18'53	24°29	10°55	21°31	19°38	21°37	13°54	27°58	22°51	17°42	12°31	13°37	19°48	23°24	T 5
F 6	19 31 24	22°16'10	7♂45	12°34	22°43	20°17	21°42	13°54	28° 1	22°52	17°41	12°32	13°34	19°55	23°27	F 6
S 7	19 35 21	23°13'27	21°14	14°12	23°55	20°56	21°47	13°54	28° 4	22°52	17°40	12°33	13°31	20° 2	23°29	S 7
S 8	19 39 18	24°10'45	4♂56	15°47	25° 7	21°35	21°52	13°53	28° 7	22°53	17°38	12°35	13°28	20° 9	23°32	S 8
M 9	19 43 14	25° 8'02	18°52	17°21	26°19	22°14	21°57	13°D53	28°11	22°53	17°37	12°R35	13°25	20°15	23°35	M 9
T 10	19 47 11	26° 5'21	3♂0	18°53	27°31	22°53	22° 2	13°53	28°14	22°53	17°36	12°35	13°21	20°22	23°37	T 10
W11	19 51 7	27° 2'39	17°19	20°23	28°43	23°31	22° 8	13°53	28°17	22°53	17°35	12°35	13°18	20°29	23°40	W11
T 12	19 55 4	27°59'59	1♂46	21°51	29°55	24°10	22°13	13°54	28°21	22°54	17°34	12°33	13°15	20°35	23°43	T 12
F 13	19 59 0	28°57'19	16°16	23°17	1♂7	24°49	22°19	13°54	28°24	22°54	17°32	12°32	13°12	20°42	23°45	F 13
S 14	20 2 57	29°54'39	0♂45	24°42	2°18	25°27	22°25	13°54	28°27	22°54	17°31	12°30	13° 9	20°49	23°48	S 14
S 15	20 6 53	0♂52'00	15° 7	26° 4	3°30	26° 6	22°31	13°55	28°31	22°54	17°30	12°29	13° 6	20°56	23°50	S 15
M16	20 10 50	1°49'22	29°16	27°24	4°42	26°45	22°37	13°56	28°34	22°54	17°29	12°28	13° 2	21° 2	23°52	M16
T 17	20 14 47	2°46'44	13° 9	28°43	5°54	27°23	22°43	13°56	28°38	22°54	17°27	12°D28	12°59	21° 9	23°55	T 17
W18	20 18 43	3°44'08	26°42	29°59	7° 5	28° 2	22°50	13°57	28°41	22°R54	17°26	12°28	12°56	21°16	23°57	W18
T 19	20 22 40	4°41'32	9♂54	1♂13	8°17	28°41	22°56	13°58	28°45	22°54	17°25	12°29	12°53	21°22	23°59	T 19
F 20	20 26 36	5°38'58	22°46	2°25	9°28	29°19	23° 3	13°59	28°48	22°54	17°24	12°29	12°50	21°29	24° 1	F 20
S 21	20 30 33	6°36'25	5°Y18	3°34	10°40	29°58	23°10	14° 0	28°52	22°54	17°22	12°30	12°47	21°36	24° 3	S 21
S 22	20 34 29	7°33'53	17°35	4°42	11°51	0♂36	23°17	14° 1	28°55	22°54	17°21	12°30	12°43	21°43	24° 5	S 22
M23	20 38 26	8°31'23	29°40	5°46	13° 3	1°15	23°24	14° 3	28°59	22°54	17°20	12°31	12°40	21°49	24° 7	M23
T 24	20 42 22	9°28'54	11♂36	6°49	14°14	1°53	23°31	14° 4	29° 2	22°53	17°18	12°R31	12°37	21°56	24° 9	T 24
W25	20 46 19	10°26'26	23°29	7°48	15°25	2°32	23°38	14° 5	29° 6	22°53	17°17	12°31	12°34	22° 3	24°11	W25
T 26	20 50 16	11°24'00	5♂24	8°45	16°37	3°10	23°46	14° 7	29°10	22°53	17°16	12°30	12°31	22°10	24°12	T 26
F 27	20 54 12	12°21'35	17°24	9°39	17°48	3°49	23°54	14° 9	29°13	22°53	17°14	12°D30	12°27	22°16	24°14	F 27
S 28	20 58 9	13°19'11	29°33	10°30	18°59	4°27	24° 1	14°10	29°17	22°52	17°13	12°30	12°24	22°23	24°16	S 28
S 29	21 2 5	14°16'49	11♂55	11°18	20°10	5° 6	24° 9	14°12	29°21	22°52	17°12	12°31	12°21	22°30	24°17	S 29
M30	21 6 2	15°14'29	24°32	12° 2	21°21	5°44	24°17	14°14	29°24	22°52	17°10	12°31	12°18	22°36	24°19	M30
T 31	21 9 58	16♂12'10	7♂26	12♂42	22♂32	6♂22	24♂25	14♂16	29♂28	22°Y51	17° 9	12°R31	12°15	22♂43	24♂20	T 31

Delta T = 194.13 sec

Julian Calendar 1 July 1543 == Greg. Calendar 11 July 1543

AUGUST 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	21 13 55	17°9'52	20♂36	13♂19	23♂43	7♂1	24♂33	14♂18	29♂32	22°R51	17°R 8	12°R31	12°12	22♂50	24♂22	W 1
T 2	21 17 51	18° 7'35	4♂7	13°52	24°54	7°39	24°42	14°21	29°35	22°Y50	17° 6	12°33	12° 8	22°57	24°23	T 2
F 3	21 21 48	19° 5'20	17° 4	14°21	26° 5	8°17	24°50	14°23	29°39	22°50	17° 5	12°30	12° 5	23° 3	24°24	F 3
S 4	21 25 45	20° 3'06	1♂37	14°45	27°16	8°56	24°59	14°25	29°43	22°49	17° 4	12°29	12° 2	23°10	24°26	S 4
S 5	21 29 41	21° 0'53	15°40	15° 4	28°27	9°34	25° 8	14°28	29°46	22°49	17° 2	12°28	11°59	23°17	24°27	S 5
M 6	21 33 38	21°58'41	29°49	15°19	29°38	10°12	25°16	14°30	29°50	22°48	17° 1	12°27	11°56	23°23	24°28	M 6
T 7	21 37 34	22°56'30	14♂3	15°28	0♂48	10°51	25°25	14°33	29°54	22°47	17° 0	12°27	11°52	23°30	24°29	T 7
W 8	21 41 31	23°54'21	28°17	15°R32	1°59	11°29	25°34	14°36	29°58	22°47	16°59	12°D27	11°49	23°37	24°30	W 8
T 9	21 45 27	24°52'13	12♂29	15°31	3° 9	12° 7	25°43	14°39	0♂1	22°46	16°57	12°27	11°46	23°44	24°31	T 9
F 10	21 49 24	25°50'06	26°38	15°23	4°20	12°45	25°53	14°42	0° 5	22°45	16°56	12°28	11°43	23°50	24°31	F 10
S 11	21 53 20	26°48'01	10♂40	15°10	5°30	13°24	26° 2	14°45	0° 9	22°45	16°55	12°29	11°40	23°57	24°32	S 11
S 12	21 57 17	27°45'57	24°34	14°50	6°41	14° 2	26°12	14°48	0°13	22°44	16°53	12°30	11°37	24° 4	24°33	S 12
M13	22 1 14	28°43'54	8♂17	14°25	7°51	14°40	26°21	14°51	0°16	22°43	16°52	12°R31	11°33	24°11	24°34	M13
T 14	22 5 10	29°41'53	21°47	13°53	9° 1	15°18	26°31	14°54	0°20	22°42	16°51	12°31	11°30	24°17	24°34	T 14
W15	22 9 7	0♂39'53	5♂3	13°16	10°11	15°56	26°40	14°58	0°24	22°41	16°49	12°30	11°27	24°24	24°35	W15
T 16	22 13 3	1°37'55	18° 3	12°33	11°21	16°35	26°50	15° 1	0°28	22°40	16°48	12°28	11°24	24°31	24°35	T 16
F 17	22 17 0	2°35'58	0°Y47	11°46	12°31	17°13	27° 0	15° 5	0°31	22°39	16°47	12°25	11°21	24°37	24°35	F 17
S 18	22 20 56	3°34'04	13°15	10°54	13°41	17°51	27°10	15° 8	0°35	22°39	16°46	12°22	11°18	24°44	24°36	S 18
S 19	22 24 53	4°32'11	25°30	9°59	14°51	18°29	27°20	15°12	0°39	22°38	16°44	12°18	11°14	24°51	24°36	S 19
M20	22 28 49	5°30'20	7♂34	9° 2	16° 1	19° 7	27°31	15°16	0°43	22°37	16°43	12°15	11°11	24°58	24°36	M20
T 21	22 32 46	6°28'32	19°31	8° 3	17°10	19°45	27°41	15°20	0°46	22°36	16°42	12°13	11° 8	25° 4	24°36	T 21
W22	22 36 43	7°26'45	1♂23	7° 4	18°20	20°23	27°51	15°24	0°50	22°34	16°41	12°12	11° 5	25°11	24°R36	W22
T 23	22 40 39	8°25'01	13°17	6° 7	19°29	21° 1	28° 2	15°28	0°54	22°33	16°39	12°D12	11° 2	25°18	24°36	T 23
F 24	22 44 36	9°23'18	25°17	5°12	20°39	21°39	28°12	15°32	0°58	22°32	16°38	12°13	10°58	25°24	24°36	F 24
S 25	22 48 32	10°21'38	7♂27	4°21	21°48	22°17	28°23	15°36	1° 1	22°31	16°37	12°14	10°55	25°31	24°36	S 25
S 26	22 52 29	11°20'00	19°52	3°35	22°57	22°55	28°34	15°40	1° 5	22°30	16°36	12°16	10°52	25°38	24°36	S 26
M27	22 56 25	12°18'24	2♂35	2°56	24° 6	23°34	28°45	15°44	1° 9	22°29	16°35	12°17	10°49	25°45	24°35	M27
T 28	23 0 22	13°16'49	15°40	2°23	25°16	24°12	28°55	15°49	1°13	22°28	16°34	12°R18	10°46	25°51	24°35	T 28
W29	23 4 18	14°15'17	29° 7	1°59	26°25	24°50	29° 6	15°53	1°16	22°26	16°32	12°16	10°43	25°58	24°34	W29
T 30	23 8 15	15°13'47	12♂56	1°44	27°33	25°28	29°18	15°58	1°20	22°25	16°31	12°14	10°39	26° 5	24°34	T 30
F 31	23 12 12	16♂12'18	27♂4	1°D37	28♂42	26♂6	29♂29	16♂12	1♂24	22°Y24	16°30	12°10	10°36	26♂11	24♂33	F 31

Delta T = 193.94 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1543

geocentric

SEPTEMBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	23 16 8	17 ¹⁰ 10'52	11 ¹⁰ 26	1 ¹⁰ 40	29 ¹⁰ 51	26 ¹⁰ 44	29 ¹⁰ 40	16 ¹⁰ 7	1 ¹⁰ 27	22 ¹⁰ R23	16 ¹⁰ R29	12 ¹⁰ R 5	10 ¹⁰ 33	26 ¹⁰ 18	24 ¹⁰ R33	S 1
S 2	23 20 5	18° 9'27	25°56	1°53	1 ¹⁰ 0	27°21	29°51	16°12	1°31	22 ¹⁰ Y21	16 ¹⁰ 28	11 ¹⁰ 59	10°30	26°25	24 ¹⁰ 32	S 2
M 3	23 24 1	19° 8'04	10 ¹⁰ 29	2°15	2° 8	27°59	0 ¹⁰ 2	16°17	1°35	22°20	16°27	11°54	10°27	26°32	24°31	M 3
T 4	23 27 58	20° 6'43	24°58	2°47	3°17	28°37	0°14	16°22	1°38	22°19	16°26	11°50	10°24	26°38	24°30	T 4
W 5	23 31 54	21° 5'24	9 ¹⁰ 18	3°27	4°25	29°15	0°25	16°27	1°42	22°17	16°25	11°48	10°20	26°45	24°29	W 5
T 6	23 35 51	22° 4'06	23°27	4°16	5°33	29°53	0°37	16°32	1°45	22°16	16°24	11°D48	10°17	26°52	24°28	T 6
F 7	23 39 47	23° 2'50	7 ¹⁰ 23	5°12	6°41	0 ¹⁰ 31	0°49	16°37	1°49	22°14	16°23	11°48	10°14	26°59	24°27	F 7
S 8	23 43 44	24° 1'36	21° 7	6°16	7°49	1° 9	1° 0	16°42	1°53	22°13	16°22	11°50	10°11	27° 5	24°26	S 8
S 9	23 47 41	25° 0'24	4 ¹⁰ 37	7°27	8°57	1°47	1°12	16°47	1°56	22°12	16°21	11°51	10° 8	27°12	24°25	S 9
M10	23 51 37	25°59'13	17°55	8°43	10° 5	2°25	1°24	16°52	2° 0	22°10	16°20	11°R51	10° 4	27°19	24°24	M10
T 11	23 55 34	26°58'04	1 ¹⁰ 1	10° 6	11°12	3° 3	1°36	16°58	2° 3	22° 9	16°19	11°49	10° 1	27°25	24°23	T 11
W12	23 59 30	27°56'56	13°55	11°32	12°20	3°41	1°48	17° 3	2° 7	22° 7	16°18	11°45	9°58	27°32	24°21	W12
T 13	0 3 27	28°55'51	26°38	13° 3	13°27	4°18	2° 0	17° 8	2°10	22° 6	16°17	11°39	9°55	27°39	24°20	T 13
F 14	0 7 23	29°54'48	9 ¹⁰ Y 9	14°38	14°34	4°56	2°12	17°14	2°14	22° 4	16°16	11°31	9°52	27°46	24°18	F 14
S 15	0 11 20	0 ¹⁰ 53'47	21°29	16°15	15°41	5°34	2°24	17°20	2°17	22° 3	16°15	11°22	9°49	27°52	24°17	S 15
S 16	0 15 16	1°52'48	3 ¹⁰ 39	17°55	16°48	6°12	2°36	17°25	2°20	22° 1	16°14	11°12	9°45	27°59	24°15	S 16
M17	0 19 13	2°51'51	15°40	19°36	17°55	6°50	2°48	17°31	2°24	21°59	16°14	11° 3	9°42	28° 6	24°14	M17
T 18	0 23 10	3°50'57	27°34	21°19	19° 1	7°28	3° 0	17°37	2°27	21°58	16°13	10°56	9°39	28°12	24°12	T 18
W19	0 27 6	4°50'05	9 ¹⁰ II25	23° 4	20° 8	8° 5	3°13	17°42	2°30	21°56	16°12	10°50	9°36	28°19	24°10	W19
T 20	0 31 3	5°49'15	21°17	24°49	21°14	8°43	3°25	17°48	2°34	21°55	16°11	10°47	9°33	28°26	24° 8	T 20
F 21	0 34 59	6°48'28	3 ¹⁰ 314	26°34	22°20	9°21	3°37	17°54	2°37	21°53	16°10	10°D45	9°30	28°33	24° 6	F 21
S 22	0 38 56	7°47'42	15°21	28°20	23°26	9°59	3°50	18° 0	2°40	21°52	16°10	10°46	9°26	28°39	24° 4	S 22
S 23	0 42 52	8°47'00	27°43	0 ¹⁰ 2	24°31	10°36	4° 2	18° 6	2°44	21°50	16° 9	10°47	9°23	28°46	24° 2	S 23
M24	0 46 49	9°46'19	10 ¹⁰ 26	1°53	25°37	11°14	4°15	18°12	2°47	21°48	16° 8	10°R47	9°20	28°53	24° 0	M24
T 25	0 50 45	10°45'41	23°33	3°39	26°42	11°52	4°27	18°18	2°50	21°47	16° 8	10°46	9°17	28°59	23°58	T 25
W26	0 54 42	11°45'05	7 ¹⁰ 7	5°24	27°47	12°30	4°40	18°24	2°53	21°45	16° 7	10°43	9°14	29° 6	23°56	W26
T 27	0 58 38	12°44'31	21° 9	7°10	28°52	13° 7	4°53	18°30	2°56	21°43	16° 6	10°38	9°10	29°13	23°54	T 27
F 28	1 2 35	13°44'00	5 ¹⁰ 236	8°55	29°57	13°45	5° 5	18°37	2°59	21°42	16° 6	10°30	9° 7	29°20	23°51	F 28
S 29	1 6 32	14°43'30	20°22	10°39	1 ¹⁰ 2	14°23	5°18	18°43	3° 2	21°40	16° 5	10°21	9° 4	29°26	23°49	S 29
S 30	1 10 28	15 ¹⁰ 43'03	5 ¹⁰ 19	12 ¹⁰ 23	2 ¹⁰ 6	15 ¹⁰ 1	5 ¹⁰ 31	18 ¹⁰ 49	3 ¹⁰ 5	21 ¹⁰ Y38	16 ¹⁰ 5	10 ¹⁰ 11	9 ¹⁰ 1	29 ¹⁰ 33	23 ¹⁰ 47	S 30

Delta T = 193.75 sec

Julian Calendar 1 Sept. 1543 == Greg. Calendar 11 Sept. 1543

OCTOBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	1 14 25	16 ¹⁰ 42'37	20 ¹⁰ 17	14 ¹⁰ 6	3 ¹⁰ 10	15 ¹⁰ 38	5 ¹⁰ 44	18 ¹⁰ 56	3 ¹⁰ 8	21°R37	16°R 4	10°R 1	8 ¹⁰ 58	29 ¹⁰ 40	23°R44	M 1
T 2	1 18 21	17°42'14	5 ¹⁰ 9	15°49	4°14	16°16	5°57	19° 2	3°11	21°Y35	16 ¹⁰ 4	9 ¹⁰ 53	8°55	29°46	23 ¹⁰ 42	T 2
W 3	1 22 18	18°41'52	17°31	19°45	5°18	16°54	6°10	19° 8	3°14	21°33	16° 3	9°47	8°51	29°53	23°39	W 3
T 4	1 26 14	19°41'33	4 ¹⁰ 3	19°12	6°21	17°31	6°22	19°15	3°17	21°32	16° 3	9°44	8°48	29°59	23°37	T 4
F 5	1 30 11	20°41'14	17°59	20°53	7°24	18° 9	6°35	19°21	3°20	21°30	16° 2	9°D44	8°45	0 ¹⁰ II 7	23°34	F 5
S 6	1 34 7	21°40'58	1 ¹⁰ 35	22°33	8°27	18°47	6°48	19°28	3°23	21°28	16° 2	9°44	8°42	0°13	23°31	S 6
S 7	1 38 4	22°40'43	14°53	24°13	9°30	19°24	7° 1	19°34	3°26	21°27	16° 2	9°R44	8°39	0°20	23°29	S 7
M 8	1 42 1	23°40'30	27°54	25°52	10°32	20° 2	7°14	19°41	3°28	21°25	16° 1	9°42	8°35	0°27	23°26	M 8
T 9	1 45 57	24°40'18	10 ¹⁰ 41	27°30	11°34	20°40	7°27	19°48	3°31	21°23	16° 1	9°39	8°32	0°33	23°23	T 9
W10	1 49 54	25°40'09	23°16	29° 8	12°36	21°17	7°40	19°54	3°34	21°22	16° 1	9°32	8°29	0°40	23°20	W10
T 11	1 53 50	26°40'01	5 ¹⁰ Y42	0 ¹⁰ 46	13°37	21°55	7°54	20° 1	3°36	21°20	16° 0	9°23	8°26	0°47	23°18	T 11
F 12	1 57 47	27°39'55	17°59	2°23	14°38	22°32	8° 7	20° 8	3°39	21°18	16° 0	9°11	8°23	0°54	23°15	F 12
S 13	2 1 43	28°39'51	0 ¹⁰ 8	3°59	15°39	23°10	8°20	20°15	3°41	21°16	16° 0	8°57	8°20	1° 0	23°12	S 13
S 14	2 5 40	29°39'49	12°11	5°35	16°39	23°48	8°33	20°21	3°44	21°15	16° 0	8°43	8°16	1° 7	23° 9	S 14
M15	2 9 36	0 ¹⁰ 39'49	24° 7	7°10	17°39	24°25	8°46	20°28	3°46	21°13	15°59	8°29	8°13	1°14	23° 6	M15
T 16	2 13 33	1°39'50	5 ¹⁰ II59	8°45	18°38	25° 3	8°59	20°35	3°49	21°12	15°59	8°17	8°10	1°20	23° 3	T 16
W17	2 17 30	2°39'54	17°49	10°19	19°37	25°40	9°12	20°42	3°51	21°10	15°59	8° 7	8° 7	1°27	23° 0	W17
T 18	2 21 26	3°40'01	29°39	11°53	20°36	26°18	9°26	20°49	3°53	21° 8	15°59	8° 0	8° 4	1°34	22°57	T 18
F 19	2 25 23	4°40'09	11 ¹⁰ 34	13°27	21°34	26°55	9°39	20°56	3°56	21° 7	15°59	7°57	8° 1	1°41	22°53	F 19
S 20	2 29 19	5°40'19	23°38	15° 0	22°32	27°33	9°52	21° 3	3°58	21° 5	15°59	7°55	7°57	1°47	22°50	S 20
S 21	2 33 16	6°40'31	5 ¹⁰ 256	16°32	23°29	28°10	10° 5	21° 9	4° 0	21° 3	15°D59	7°55	7°54	1°54	22°47	S 21
M22	2 37 12	7°40'46	18°34	18° 5	24°26	28°48	10°19	21°16	4° 2	21° 2	15°59	7°55	7°51	2° 1	22°44	M22
T 23	2 41 9	8°41'02	1 ¹⁰ 36	19°37	25°23	29°25	10°32	21°23	4° 4	21° 0	15°59	7°53	7°48	2° 7	22°41	T 23
W24	2 45 5	9°41'20	15° 6	21° 8	26°18	0 ¹⁰ 2	10°45	21°30	4° 7	20°59	15°59	7°50	7°45	2°14	22°37	W24
T 25	2 49 2	10°41'41	29° 7	22°40	27°14	0°40	10°58	21°37	4° 9	20°57	15°59	7°44	7°41	2°21	22°34	T 25
F 26	2 52 59	11°42'03	13 ¹⁰ 237	24°11	28° 8	1°18	11°12	21°44	4°11	20°55	15°59	7°35	7°38	2°27	22°31	F 26
S 27	2 56 55	12°42'27	28°32	25°41	29° 3	1°55	11°25	21°52	4°12	20°54	15°59	7°25	7°35	2°34	22°28	S 27
S 28	3 0 52	13°42'53	13 ¹⁰ 43	27°11	29°56	2°33	11°38	21°59	4°14	20°52	16° 0	7°13	7°32	2°41	22°24	S 28
M29	3 4 48	14°43'21	29° 1	28°41	0 ¹⁰ 349	3°10	11°51	22° 6	4°16	20°51	16° 0	7° 2	7°29	2°48	22°21	M29
T 30	3 8 45	15°43'50	14 ¹⁰ 13	0 ¹⁰ 10	1°41	3°48	12° 5	22°13	4°18	20°49	16° 0	6°52	7°26	2°54	22°18	T 30
W31	3 12 41	16 ¹⁰ 44'21	29 ¹⁰ 9	1 ¹⁰ 40	2 ¹⁰ 33	4 ¹⁰ 25	12 ¹⁰ 18	22 ¹⁰ 20	4 ¹⁰ 20	20 ¹⁰ Y48	16 ¹⁰ 0	6 ¹⁰ 45	7 ¹⁰ 22	3 ¹⁰ II 1	22 ¹⁰ 14	W31

Delta T = 193.57 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1543
geocentric

NOVEMBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 16 38	17 ¹¹ 44'54	13 ³ 43	3 ³ 8	3 ³ 24	5 ² 2	12 ¹¹ 31	22 ¹¹ 27	4 ¹¹ 21	20 ¹¹ R46	16 ¹¹ 1	6 ¹¹ R41	7 ¹¹ 19	3 ¹¹ II 8	22 ¹¹ R11	T 1
F 2	3 20 34	18 ¹¹ 45'27	27 ¹¹ 50	4 ¹¹ 36	4 ¹¹ 14	5 ¹¹ 40	12 ¹¹ 44	22 ¹¹ 34	4 ¹¹ 23	20 ¹¹ Y45	16 ¹¹ 1	6 ¹¹ 40	7 ¹¹ 16	3 ¹¹ 14	22 ¹¹ 8 7	F 2
S 3	3 24 31	19 ¹¹ 46'02	11 ¹¹ 32	6 ¹¹ 4	5 ¹¹ 3	6 ¹¹ 17	12 ¹¹ 58	22 ¹¹ 41	4 ¹¹ 25	20 ¹¹ 44	16 ¹¹ 1	6 ¹¹ D39	7 ¹¹ 13	3 ¹¹ 21	22 ¹¹ 4	S 3
S 4	3 28 28	20 ¹¹ 46'38	24 ¹¹ 48	7 ¹¹ 31	5 ¹¹ 52	6 ¹¹ 54	13 ¹¹ 11	22 ¹¹ 48	4 ¹¹ 26	20 ¹¹ 42	16 ¹¹ 2	6 ¹¹ R39	7 ¹¹ 10	3 ¹¹ 28	22 ¹¹ 1	S 4
M 5	3 32 24	21 ¹¹ 47'15	7 ¹¹ 43	8 ¹¹ 58	6 ¹¹ 40	7 ¹¹ 32	13 ¹¹ 24	22 ¹¹ 55	4 ¹¹ 28	20 ¹¹ 41	16 ¹¹ 2	6 ¹¹ 38	7 ¹¹ 7	3 ¹¹ 35	21 ¹¹ 57	M 5
T 6	3 36 21	22 ¹¹ 47'53	20 ¹¹ 21	10 ¹¹ 24	7 ¹¹ 26	8 ¹¹ 9	13 ¹¹ 37	23 ¹¹ 2	4 ¹¹ 29	20 ¹¹ 39	16 ¹¹ 2	6 ¹¹ 35	7 ¹¹ 3	3 ¹¹ 41	21 ¹¹ 54	T 6
W 7	3 40 17	23 ¹¹ 48'32	2 ¹¹ Y45	11 ¹¹ 49	8 ¹¹ 12	8 ¹¹ 46	13 ¹¹ 50	23 ¹¹ 9	4 ¹¹ 30	20 ¹¹ 38	16 ¹¹ 3	6 ¹¹ 29	7 ¹¹ 0	3 ¹¹ 48	21 ¹¹ 51	W 7
T 8	3 44 14	24 ¹¹ 49'13	14 ¹¹ 59	13 ¹¹ 13	8 ¹¹ 57	9 ¹¹ 24	14 ¹¹ 3	23 ¹¹ 17	4 ¹¹ 32	20 ¹¹ 37	16 ¹¹ 3	6 ¹¹ 21	6 ¹¹ 57	3 ¹¹ 55	21 ¹¹ 47	T 8
F 9	3 48 10	25 ¹¹ 49'54	27 ¹¹ 5	14 ¹¹ 37	9 ¹¹ 41	10 ¹¹ 1	14 ¹¹ 17	23 ¹¹ 24	4 ¹¹ 33	20 ¹¹ 35	16 ¹¹ 4	6 ¹¹ 9	6 ¹¹ 54	4 ¹¹ 1	21 ¹¹ 44	F 9
S 10	3 52 7	26 ¹¹ 50'37	9 ¹¹ 8 5	15 ¹¹ 59	10 ¹¹ 24	10 ¹¹ 38	14 ¹¹ 30	23 ¹¹ 31	4 ¹¹ 34	20 ¹¹ 34	16 ¹¹ 4	5 ¹¹ 56	6 ¹¹ 51	4 ¹¹ 8	21 ¹¹ 40	S 10
S 11	3 56 3	27 ¹¹ 51'22	21 ¹¹ 0	17 ¹¹ 21	11 ¹¹ 6	11 ¹¹ 15	14 ¹¹ 43	23 ¹¹ 38	4 ¹¹ 35	20 ¹¹ 33	16 ¹¹ 5	5 ¹¹ 43	6 ¹¹ 47	4 ¹¹ 15	21 ¹¹ 37	S 11
M 12	4 0 0	28 ¹¹ 52'07	2 ¹¹ II 53	18 ¹¹ 41	11 ¹¹ 47	11 ¹¹ 53	14 ¹¹ 56	23 ¹¹ 45	4 ¹¹ 36	20 ¹¹ 32	16 ¹¹ 5	5 ¹¹ 30	6 ¹¹ 44	4 ¹¹ 22	21 ¹¹ 34	M 12
T 13	4 3 57	29 ¹¹ 52'54	14 ¹¹ 44	19 ¹¹ 59	12 ¹¹ 26	12 ¹¹ 30	15 ¹¹ 9	23 ¹¹ 52	4 ¹¹ 37	20 ¹¹ 30	16 ¹¹ 6	5 ¹¹ 18	6 ¹¹ 41	4 ¹¹ 28	21 ¹¹ 30	T 13
W 14	4 7 53	0 ¹¹ 53'43	26 ¹¹ 35	21 ¹¹ 16	13 ¹¹ 4	13 ¹¹ 7	15 ¹¹ 22	23 ¹¹ 59	4 ¹¹ 38	20 ¹¹ 29	16 ¹¹ 7	5 ¹¹ 9	6 ¹¹ 38	4 ¹¹ 35	21 ¹¹ 27	W 14
T 15	4 11 50	1 ¹¹ 54'32	8 ¹¹ 28	22 ¹¹ 31	13 ¹¹ 41	13 ¹¹ 44	15 ¹¹ 35	24 ¹¹ 6	4 ¹¹ 39	20 ¹¹ 28	16 ¹¹ 7	5 ¹¹ 3	6 ¹¹ 35	4 ¹¹ 42	21 ¹¹ 24	T 15
F 16	4 15 46	2 ¹¹ 55'23	20 ¹¹ 26	23 ¹¹ 43	14 ¹¹ 17	14 ¹¹ 22	15 ¹¹ 48	24 ¹¹ 13	4 ¹¹ 40	20 ¹¹ 27	16 ¹¹ 8	4 ¹¹ 59	6 ¹¹ 32	4 ¹¹ 48	21 ¹¹ 21	F 16
S 17	4 19 43	3 ¹¹ 56'15	2 ¹¹ Q 32	24 ¹¹ 53	14 ¹¹ 51	14 ¹¹ 59	16 ¹¹ 1	24 ¹¹ 20	4 ¹¹ 41	20 ¹¹ 26	16 ¹¹ 9	4 ¹¹ D 58	6 ¹¹ 28	4 ¹¹ 55	21 ¹¹ 17	S 17
S 18	4 23 39	4 ¹¹ 57'09	14 ¹¹ 50	26 ¹¹ 0	15 ¹¹ 24	15 ¹¹ 36	16 ¹¹ 14	24 ¹¹ 27	4 ¹¹ 42	20 ¹¹ 25	16 ¹¹ 9	4 ¹¹ 58	6 ¹¹ 25	5 ¹¹ 2	21 ¹¹ 14	S 18
M 19	4 27 36	5 ¹¹ 58'04	27 ¹¹ 25	27 ¹¹ 3	15 ¹¹ 55	16 ¹¹ 13	16 ¹¹ 27	24 ¹¹ 34	4 ¹¹ 42	20 ¹¹ 24	16 ¹¹ 10	4 ¹¹ 59	6 ¹¹ 22	5 ¹¹ 8	21 ¹¹ 11	M 19
T 20	4 31 33	6 ¹¹ 59'00	10 ¹¹ 21	28 ¹¹ 2	16 ¹¹ 25	16 ¹¹ 50	16 ¹¹ 40	24 ¹¹ 41	4 ¹¹ 43	20 ¹¹ 22	16 ¹¹ 11	4 ¹¹ R 59	6 ¹¹ 19	5 ¹¹ 15	21 ¹¹ 7	T 20
W 21	4 35 29	7 ¹¹ 59'57	23 ¹¹ 43	28 ¹¹ 57	16 ¹¹ 53	17 ¹¹ 27	16 ¹¹ 53	24 ¹¹ 48	4 ¹¹ 44	20 ¹¹ 21	16 ¹¹ 12	4 ¹¹ 58	6 ¹¹ 16	5 ¹¹ 22	21 ¹¹ 4	W 21
T 22	4 39 26	9 ¹¹ 0'56	7 ¹¹ 23	29 ¹¹ 46	17 ¹¹ 20	18 ¹¹ 4	17 ¹¹ 5	24 ¹¹ 55	4 ¹¹ 44	20 ¹¹ 20	16 ¹¹ 13	4 ¹¹ 55	6 ¹¹ 13	5 ¹¹ 29	21 ¹¹ 1	T 22
F 23	4 43 22	10 ¹¹ 1'56	21 ¹¹ 52	0 ¹¹ 30	17 ¹¹ 44	18 ¹¹ 41	17 ¹¹ 18	25 ¹¹ 2	4 ¹¹ 45	20 ¹¹ 20	16 ¹¹ 14	4 ¹¹ 49	6 ¹¹ 9	5 ¹¹ 35	20 ¹¹ 58	F 23
S 24	4 47 19	11 ¹¹ 2'57	6 ¹¹ II 38	1 ¹¹ 6	18 ¹¹ 7	19 ¹¹ 18	17 ¹¹ 31	25 ¹¹ 9	4 ¹¹ 45	20 ¹¹ 19	16 ¹¹ 14	4 ¹¹ 42	6 ¹¹ 6	5 ¹¹ 42	20 ¹¹ 55	S 24
S 25	4 51 15	12 ¹¹ 3'59	21 ¹¹ 44	1 ¹¹ 35	18 ¹¹ 29	19 ¹¹ 55	17 ¹¹ 44	25 ¹¹ 16	4 ¹¹ 46	20 ¹¹ 18	16 ¹¹ 15	4 ¹¹ 33	6 ¹¹ 3	5 ¹¹ 49	20 ¹¹ 52	S 25
M 26	4 55 12	13 ¹¹ 5'02	7 ¹¹ 2	1 ¹¹ 56	18 ¹¹ 48	20 ¹¹ 33	17 ¹¹ 56	25 ¹¹ 23	4 ¹¹ 46	20 ¹¹ 17	16 ¹¹ 16	4 ¹¹ 25	6 ¹¹ 0	5 ¹¹ 55	20 ¹¹ 49	M 26
T 27	4 59 8	14 ¹¹ 6'07	22 ¹¹ 20	2 ¹¹ 7	19 ¹¹ 5	21 ¹¹ 10	18 ¹¹ 9	25 ¹¹ 30	4 ¹¹ 46	20 ¹¹ 16	16 ¹¹ 17	4 ¹¹ 18	5 ¹¹ 57	6 ¹¹ 2	20 ¹¹ 46	T 27
W 28	5 3 5	15 ¹¹ 7'12	7 ¹¹ 27	2 ¹¹ R 8	19 ¹¹ 20	21 ¹¹ 47	18 ¹¹ 22	25 ¹¹ 37	4 ¹¹ 46	20 ¹¹ 15	16 ¹¹ 18	4 ¹¹ 13	5 ¹¹ 53	6 ¹¹ 9	20 ¹¹ 43	W 28
T 29	5 7 2	16 ¹¹ 8'17	22 ¹¹ 15	1 ¹¹ 58	19 ¹¹ 33	22 ¹¹ 23	18 ¹¹ 34	25 ¹¹ 44	4 ¹¹ 47	20 ¹¹ 14	16 ¹¹ 19	4 ¹¹ 10	5 ¹¹ 50	6 ¹¹ 16	20 ¹¹ 40	T 29
F 30	5 10 58	17 ¹¹ 9'23	6 ¹¹ 36	1 ¹¹ 37	19 ¹¹ 34	23 ¹¹ 2	18 ¹¹ 47	25 ¹¹ 50	4 ¹¹ 47	20 ¹¹ Y 14	16 ¹¹ 20	4 ¹¹ D 9	5 ¹¹ 47	6 ¹¹ II 22	20 ¹¹ 37	F 30

Delta T = 193.38 sec

Julian Calendar 1 Nov. 1543 == Greg. Calendar 11 Nov. 1543

DECEMBER 1543 JC

00:00 UT

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