



# Astrodienst Ephemeris Tables for the year 1536

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 1536  
geocentric

JANUARY 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 16 51	19°34'56	27°28'	14°R46	11°R51	23°R25	6°42	21°R56	25°R13	2°V20	5°17	9°20	8°49	14°17	12°V59	S 1
S 2	7 20 48	20°43'02	10°1	13°33	11°318	23°1	6°55	21°52	25°10	2°21	5°19	9°21	8°46	14°23	13° 0	S 2
M 3	7 24 45	21°44'08	22°17	12°26	10°46	22°37	7° 7	21°48	25° 7	2°22	5°20	9°22	8°43	14°30	13° 2	M 3
T 4	7 28 41	22°45'12	4°121	11°27	10°16	22°13	7°19	21°45	25° 5	2°23	5°22	9°23	8°39	14°36	13° 3	T 4
W 5	7 32 38	23°46'16	16°15	10°36	9°48	21°49	7°32	21°41	25° 2	2°24	5°24	9°24	8°36	14°43	13° 4	W 5
T 6	7 36 34	24°47'19	28° 5	9°53	9°21	21°25	7°44	21°37	25° 0	2°25	5°26	9°25	8°33	14°50	13° 5	T 6
F 7	7 40 31	25°48'21	9°52	9°21	8°57	21° 1	7°57	21°33	24°57	2°27	5°28	9°R26	8°30	14°56	13° 7	F 7
S 8	7 44 27	26°49'22	21°40	8°57	8°35	20°38	8° 9	21°28	24°54	2°28	5°30	9°25	8°27	15° 3	13° 8	S 8
S 9	7 48 24	27°50'23	3°31	8°42	8°15	20°15	8°22	21°24	24°52	2°29	5°31	9°24	8°23	15°10	13° 9	S 9
M10	7 52 20	28°51'22	15°26	8°D36	7°58	19°52	8°35	21°20	24°49	2°30	5°33	9°21	8°20	15°16	13°11	M10
T 11	7 56 17	29°52'21	27°27	8°38	7°43	19°29	8°48	21°16	24°46	2°31	5°35	9°18	8°17	15°23	13°12	T 11
W12	8 0 14	0°53'19	9°37	8°48	7°31	19° 7	9° 0	21°11	24°44	2°33	5°37	9°14	8°14	15°30	13°14	W12
T 13	8 4 10	1°54'16	21°57	9° 4	7°21	18°45	9°13	21° 7	24°41	2°34	5°39	9°11	8°11	15°36	13°16	T 13
F 14	8 8 7	2°55'13	4°30	9°27	7°13	18°24	9°26	21° 2	24°39	2°35	5°41	9° 8	8° 8	15°43	13°17	F 14
S 15	8 12 3	3°56'08	17°19	9°56	7° 8	18° 3	9°40	20°58	24°36	2°37	5°42	9° 5	8° 4	15°50	13°19	S 15
S 16	8 16 0	4°57'03	0°25	10°30	7°D 6	17°42	9°53	20°53	24°34	2°38	5°44	9°D 4	8° 1	15°56	13°21	S 16
M17	8 19 56	5°57'57	13°53	11°10	7° 6	17°23	10° 6	20°49	24°31	2°39	5°46	9° 4	7°58	16° 3	13°23	M17
T 18	8 23 53	6°58'50	27°42	11°53	7° 8	17° 3	10°19	20°44	24°28	2°41	5°48	9° 6	7°55	16°10	13°25	T 18
W19	8 27 49	7°59'43	11°55	12°41	7°13	16°45	10°33	20°39	24°26	2°42	5°50	9° 7	7°52	16°16	13°27	W19
T 20	8 31 46	9° 0'35	26°30	13°32	7°21	16°27	10°46	20°35	24°23	2°44	5°52	9° 8	7°49	16°23	13°29	T 20
F 21	8 35 43	10° 1'26	11°33	14°27	7°30	16°10	11° 0	20°30	24°21	2°45	5°54	9°R 9	7°45	16°29	13°31	F 21
S 22	8 39 39	11° 2'15	26°27	15°25	7°42	15°53	11°13	20°25	24°18	2°47	5°55	9° 8	7°42	16°36	13°33	S 22
S 23	8 43 36	12° 3'04	11°35	16°25	7°55	15°37	11°27	20°20	24°16	2°48	5°57	9° 5	7°39	16°43	13°35	S 23
M24	8 47 32	13° 3'51	26°37	17°29	8°11	15°22	11°40	20°16	24°13	2°50	5°59	9° 1	7°36	16°49	13°37	M24
T 25	8 51 29	14° 4'37	11°33	18°34	8°29	15° 8	11°54	20°11	24°11	2°52	6° 1	8°56	7°33	16°56	13°39	T 25
W26	8 55 25	15° 5'21	25°46	19°42	8°49	14°54	12° 8	20° 6	24° 9	2°53	6° 3	8°50	7°29	17° 3	13°42	W26
T 27	8 59 22	16° 6'03	9°43	20°52	9°11	14°41	12°21	20° 1	24° 6	2°55	6° 5	8°45	7°26	17° 9	13°44	T 27
F 28	9 3 18	17° 6'44	23°10	22° 4	9°34	14°29	12°35	19°56	24° 4	2°57	6° 6	8°40	7°23	17°16	13°46	F 28
S 29	9 7 15	18° 7'23	6°10	23°17	10° 0	14°18	12°49	19°51	24° 2	2°58	6° 8	8°38	7°20	17°23	13°49	S 29
S 30	9 11 12	19° 8'01	18°46	24°32	10°26	14° 7	13° 3	19°46	23°59	3° 0	6°10	8°D37	7°17	17°29	13°51	S 30
M31	9 15 8	20° 8'37	1°12	25°349	10°355	13°58	13°17	19°41	23°57	3°V 2	6°12	8°38	7°14	17°36	13°V54	M31

Delta T = 210.89 sec      Julian Calendar 1 Jan. 1536 == Greg. Calendar 11 Jan. 1536

FEBRUARY 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 19 5	21° 9'11	13°13	27°3	11°325	13°R49	13°31	19°R37	23°R55	3°V 4	6°14	8°39	7°10	17°43	13°V56	T 1
W 2	9 23 1	22° 9'43	24°55	28°27	11°57	13°41	13°45	19°32	23°52	3° 5	6°15	8°41	7° 7	17°49	13°59	W 2
T 3	9 26 58	23°10'13	6°32	29°48	12°30	13°33	13°59	19°27	23°50	3° 7	6°17	8°R42	7° 4	17°56	14° 2	T 3
F 4	9 30 54	24°10'42	18°28	1°10	13° 5	13°27	14°13	19°22	23°48	3° 9	6°19	8°41	7° 1	18° 3	14° 4	F 4
S 5	9 34 51	25°11'09	0°18	2°34	13°40	13°21	14°27	19°17	23°46	3°11	6°21	8°38	6°58	18° 9	14° 7	S 5
S 6	9 38 47	26°11'34	12°14	3°59	14°18	13°16	14°41	19°12	23°44	3°13	6°23	8°34	6°55	18°16	14°10	S 6
M 7	9 42 44	27°11'57	24°18	5°25	14°56	13°12	14°56	19° 8	23°42	3°15	6°24	8°27	6°51	18°22	14°13	M 7
T 8	9 46 41	28°12'19	6°32	6°52	15°36	13° 9	15°10	19° 3	23°40	3°17	6°26	8°18	6°48	18°29	14°16	T 8
W 9	9 50 37	29°12'39	18°56	8°20	16°16	13° 6	15°24	18°58	23°38	3°19	6°28	8° 8	6°45	18°36	14°18	W 9
T 10	9 54 34	0°12'57	1°32	9°49	16°58	13° 4	15°38	18°53	23°36	3°21	6°29	7°58	6°42	18°42	14°21	T 10
F 11	9 58 30	1°13'14	14°20	11°20	17°41	13° 3	15°53	18°49	23°34	3°23	6°31	7°50	6°39	18°49	14°24	F 11
S 12	10 2 27	2°13'29	27°20	12°51	18°25	13°D 3	16° 7	18°44	23°32	3°25	6°33	7°42	6°35	18°56	14°27	S 12
S 13	10 6 23	3°13'43	10°33	14°24	19°10	13° 4	16°21	18°39	23°30	3°27	6°35	7°38	6°32	19° 2	14°30	S 13
M14	10 10 20	4°13'55	24° 1	15°57	19°56	13° 5	16°36	18°35	23°28	3°29	6°36	7°35	6°29	19° 9	14°33	M14
T 15	10 14 16	5°14'06	7°44	17°32	20°43	13° 7	16°50	18°30	23°27	3°31	6°38	7°D35	6°26	19°16	14°36	T 15
W16	10 18 13	6°14'15	21°43	19° 8	21°30	13° 9	17° 4	18°25	23°25	3°33	6°40	7°35	6°23	19°22	14°40	W16
T 17	10 22 10	7°14'23	5°38	20°45	22°19	13°12	17°19	18°21	23°23	3°35	6°41	7°R36	6°20	19°29	14°43	T 17
F 18	10 26 6	8°14'29	20°28	22°22	23° 8	13°16	17°33	18°17	23°22	3°37	6°43	7°35	6°16	19°36	14°46	F 18
S 19	10 30 3	9°14'33	5°10	24° 1	23°58	13°21	17°48	18°12	23°20	3°39	6°44	7°32	6°13	19°42	14°49	S 19
S 20	10 33 59	10°14'36	19°58	25°42	24°49	13°26	18° 2	18° 8	23°18	3°41	6°46	7°27	6°10	19°49	14°52	S 20
M21	10 37 56	11°14'37	4°44	27°23	25°41	13°32	18°17	18° 4	23°17	3°43	6°48	7°19	6° 7	19°56	14°56	M21
T 22	10 41 52	12°14'36	19°21	29° 5	26°33	13°39	18°31	17°59	23°15	3°45	6°49	7° 9	6° 4	20° 2	14°59	T 22
W23	10 45 49	13°14'33	3°41	0°49	27°25	13°46	18°46	17°55	23°14	3°48	6°51	6°58	6° 1	20° 9	15° 2	W23
T 24	10 49 45	14°14'28	17°38	2°33	28°19	13°54	19° 0	17°51	23°13	3°50	6°52	6°48	5°57	20°15	15° 6	T 24
F 25	10 53 42	15°14'20	1° 9	4°19	29°13	14° 3	19°15	17°47	23°11	3°52	6°54	6°39	5°54	20°22	15° 9	F 25
S 26	10 57 38	16°14'11	14°14	6° 6	0° 7	14°12	19°29	17°43	23°10	3°54	6°55	6°32	5°51	20°29	15°12	S 26
S 27	11 1 35	17°13'59	26°53	7°54	1° 3	14°21	19°44	17°39	23° 9	3°56	6°57	6°28	5°48	20°35	15°16	S 27
M28	11 5 32	18°13'45	9°12	9°43	1°58	14°32	19°58	17°35	23° 8	3°58	6°58	6°26	5°45	20°42	15°19	M28
T 29	11 9 28	19°13'29	21°15	11°34	2°54	14°43	20°13	17°31	23° 6	4°V 1	7° 0	6°D26	5°41	20°49	15°V23	T 29

Delta T = 210.70 sec      Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1536

## geocentric

MARCH 1536 JC

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	11 13 25	20°13'11"	3°58' 8"	13°26' 13"	3°55' 14"	14°54' 20"	20°28' 17"	23°R 5	4°V 3	7°33' 1	6°R26	5°538	20°555	15°V26	W 1	
T 2	11 17 21	21°12'50"	14°55' 15"	15°19' 4"	4°48' 15° 6'	20°42' 17"	23°24' 23"	4° 5'	7° 3'	6°26' 5	5°35' 21"	21° 2'	15°30' 15"	T 2		
F 3	11 21 18	22°12'27"	26°43' 17"	17°13' 5"	5°46' 15°18'	20°57' 17"	23° 3'	4° 7'	7° 4'	6°24' 5	5°32' 21° 9'	15°33' 15"	F 3			
S 4	11 25 14	23°12'02"	8°236' 19"	8° 8'	6°44' 15°31'	21°11' 17"	23° 2'	4°10' 7° 5'	6°20' 5°29	21°15' 15°37	S 4					
S 5	11 29 11	24°11'35"	20°37' 21"	21° 4'	7°42' 15°45'	21°26' 17°14'	23° 1'	4°12' 7° 7'	6°13' 5°26	21°22' 15°40'	S 5					
M 6	11 33 7	25°11'05"	2°11'51"	23° 2'	8°41' 15°59'	21°40' 17°10'	23° 1'	4°14' 7° 8'	6° 3'	5°22' 21°29'	15°44' M 6					
T 7	11 37 4	26°10'33"	15°18' 25° 0'	9°40' 16°13'	21°55' 17° 7'	23° 0'	4°16' 7° 9'	5°51' 5°19'	21°35' 15°48'	T 7						
W 8	11 41 1	27° 9'59"	28° 0'	27° 0'	10°40' 16°28'	22° 9'	17° 4'	22°59' 4°19'	7°11' 5°38'	5°16' 21°42'	15°51' W 8					
T 9	11 44 57	28° 9'23"	10°56' 29° 1'	11°40' 16°44'	22°24' 17° 1'	22°58' 4°21'	7°12' 5°25'	5°13' 5°10'	21°49' 15°55'	T 9						
F 10	11 48 54	29° 8'45"	24° 5'	1°V 2	12°40' 16°59'	22°38' 16°58'	22°58' 4°23'	7°13' 5°13'	5°10' 21°55'	15°59' F 10						
S 11	11 52 50	0°V 8'05"	7°126' 3° 4'	13°41' 17°16'	22°53' 16°55'	22°57' 4°25'	7°15' 5° 3'	5° 6'	22° 2'	16° 2'	S 11					
S 12	11 56 47	1° 7'23"	20°57' 5° 6'	14°42' 17°32'	23° 7'	16°52' 22°57'	4°28' 7°16'	4°55' 5° 3'	22° 9'	16° 6'	S 12					
M13	12 0 43	2° 6'40"	4°137' 7° 9'	15°44' 17°49'	23°22' 16°49'	22°56' 4°30'	7°17' 4°51'	5° 0'	22°15' 16°10'	M13						
T 14	12 4 40	3° 5'54"	18°26' 9°12'	16°45' 18° 7'	23°36' 16°47'	22°56' 4°32'	7°18' 4°49'	4°57' 22°22'	16°13' T 14							
W15	12 8 36	4° 5'07"	2°324' 11°15'	17°47' 18°25'	23°50' 16°44'	22°55' 4°34'	7°19' 4°49'	4°54' 22°28'	16°17' W15							
T 16	12 12 33	5° 4'18"	16°29' 13°17'	18°50' 18°43'	24° 5'	16°42' 22°55'	4°37' 7°21'	4°49' 4°51'	22°35' 16°21'	T 16						
F 17	12 16 30	6° 3'28"	0°42' 15°19'	19°52' 19° 2'	24°19' 16°40'	22°55' 4°39'	7°22' 4°47'	4°47' 22°42'	16°25' F 17							
S 18	12 20 26	7° 2'36"	15° 1'	17°20' 20°55'	19°21' 24°34'	16°37' 22°55'	4°41' 7°23'	4°44' 22°48'	16°28' S 18							
S 19	12 24 23	8° 1'41"	29°23' 19°19'	21°58' 19°40'	24°48' 16°35'	22°54' 4°43'	7°24' 4°38'	4°41' 22°55'	16°32' S 19							
M20	12 28 19	9° 0'45"	13°44' 21°17'	23° 2'	20° 0'	25° 2'	16°33' 22°54'	4°46' 7°25'	4°38' 23° 2'	16°36' M20						
T 21	12 32 16	9°59'47"	27°58' 23°12'	24° 6'	20°20' 25°16'	16°31' 22°D54'	4°48' 7°26'	4°17' 4°35'	23° 8'	16°40' T 21						
W22	12 36 12	10°58'47"	11°V59' 25° 5'	25° 9'	20°41' 25°31'	16°29' 22°54'	4°50' 7°27'	4° 5'	4°32' 23°15'	16°43' W22						
T 23	12 40 9	11°57'45"	25°42' 26°55'	26°13' 21° 2'	25°45' 16°28'	22°54' 4°53'	7°28' 3°53'	4°28' 23°22'	16°47' T 23							
F 24	12 44 5	12°56'40"	9° 5'	28°42' 27°18'	21°23' 25°59'	16°26' 22°55'	4°55' 7°29'	3°42' 4°25'	23°28' 16°51'	F 24						
S 25	12 48 2	13°55'34"	22° 5'	0°B25' 28°22'	21°44' 26°13'	16°24' 22°55'	4°57' 7°30'	3°34' 4°22'	23°35' 16°55'	S 25						
S 26	12 51 58	14°54'26"	4°144' 2° 5'	29°27' 22° 6'	26°28' 16°23'	22°55' 4°59'	7°31' 3°29'	4°19' 23°42'	16°59' S 26							
M27	12 55 55	15°53'15"	17° 3'	3°40' 0°X32'	22°28' 26°42'	16°22' 22°55'	5° 2'	7°32' 3°26'	4°16' 23°48'	17° 2' M27						
T 28	12 59 52	16°52'02"	29° 7'	5°11' 1°37'	22°51' 26°56'	16°20' 22°56'	5° 4'	7°32' 3°D24'	4°12' 23°55'	17° 6' T 28						
W29	13 3 48	17°50'47"	11°51' 6°37'	2°42' 23°14'	27°10' 16°19'	22°56' 5° 6'	7°33' 3°25'	4° 9'	24° 2'	17°10' W29						
T 30	13 7 45	18°49'29"	22°50' 7°59'	3°48' 23°37'	27°24' 16°18'	22°56' 5° 8'	7°34' 3°R25'	4° 6'	24° 8'	17°14' T 30						
F 31	13 11 41	19°V48'10"	4°140' 9°15'	4°X54' 24°50'	27°X38' 16°17'	22°557' 5°V10'	7°335' 3°524'	4°53' 24°515'	17°V18' F 31							

Delta T = 210.52 sec

Julian Calendar 1 March 1536 == Greg. Calendar 11 March 1536

APRIL 1536 JC

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	13 15 38	20°V46'48	16°135	10°B26	5°X59	24°524	27°X52	16°R17	22°557	5°V13	7°336	3°R21	4°50	24°522	17°V21	S 1
S 2	13 19 34	21°45'23	28°40	11°32	7° 5	24°47	28° 6	16°16	22°58	5°15	7°36	3°15	3°57	24°28	17°25	S 2
M 3	13 23 31	22°43'57	11°11	12°33	8°11	25°12	28°20	16°15	22°59	5°17	7°37	3° 7	3°53	24°35	17°29	M 3
T 4	13 27 27	23°42'28	23°38	13°28	9°18	25°36	28°33	16°15	22°59	5°19	7°38	2°58	3°50	24°42	17°33	T 4
W 5	13 31 24	24°40'58	6°34	14°17	10°24	26° 1	28°47	16°15	23° 0	5°21	7°38	2°46	3°47	24°48	17°37	W 5
T 6	13 35 21	25°39'25	19°48	15° 1	11°31	26°25	29° 1	16°14	23° 1	5°24	7°39	2°35	3°44	24°55	17°40	T 6
F 7	13 39 17	26°37'51	3°12	15°39	12°38	26°51	29°15	16°14	23° 2	5°26	7°40	2°24	3°41	25° 1	17°44	F 7
S 8	13 43 14	27°36'14	17° 5	16°12	13°44	27°16	29°28	16°D14	23° 3	5°28	7°40	2°16	3°37	25° 8	17°48	S 8
S 9	13 47 10	28°34'36	1°17	16°38	14°52	27°41	29°42	16°14	23° 4	5°30	7°41	2°10	3°34	25°15	17°52	S 9
M10	13 51 7	29°32'56	15° 4	16°59	15°59	28° 7	29°55	16°14	23° 5	5°32	7°41	2° 6	3°31	25°21	17°55	M10
T11	13 55 3	0°B31'15	29°11	17°14	17° 6	28°33	0°V 9	16°15	23° 6	5°34	7°42	2°D 5	3°28	25°28	17°59	T11
W12	13 59 0	1°29'32	13°32	17°24	18°13	29° 0	0°22	16°15	23° 7	5°36	7°42	2° 5	3°25	25°35	18° 3	W12
T13	14 2 56	2°27'48	27°29	17°R28	19°21	29°26	0°36	16°15	23° 8	5°38	7°43	2°R 6	3°22	25°41	18° 7	T13
F 14	14 6 53	3°26'02	11°37	17°26	20°29	29°53	0°49	16°16	23° 9	5°40	7°43	2° 6	3°18	25°48	18°10	F 14
S 15	14 10 50	4°24'15	25°42	17°19	21°37	0°19	1° 2	16°17	23°11	5°42	7°43	2° 4	3°15	25°55	18°14	S 15
S 16	14 14 46	5°22'26	9°X44	17° 8	22°44	0°47	1°16	16°18	23°12	5°45	7°44	2° 0	3°12	26° 1	18°18	S 16
M17	14 18 43	6°20'35	23°39	16°51	23°52	1°14	1°29	16°18	23°13	5°47	7°44	1°53	3° 9	26° 8	18°21	M17
T 18	14 22 39	7°18'43	7°V25	16°31	25° 1	1°41	1°42	16°20	23°15	5°49	7°44	1°45	3° 6	26°15	18°25	T 18
W19	14 26 36	8°16'50	21° 0	16° 6	26° 9	2° 9	1°55	16°21	23°16	5°51	7°45	1°36	3° 3	26°21	18°29	W19
T 20	14 30 32	9°14'55	4°B21	15°38	27°17	2°37	2° 8	16°22	23°18	5°53	7°45	1°27	2°59	26°28	18°32	T 20
F 21	14 34 29	10°12'58	17°25	15° 8	28°26	3° 5	2°21	16°23	23°19	5°55	7°45	1°19	2°56	26°35	18°36	F 21
S 22	14 38 25	11°11'00	0°113	14°34	29°34	3°33	2°34	16°25	23°21	5°56	7°45	1°13	2°53	26°41	18°39	S 22
S 23	14 42 22	12° 9'00	12°43	14° 0	0°V43	4° 1	2°47	16°26	23°23	5°58	7°46	1° 9	2°50	26°48	18°43	S 23
M24	14 46 19	13° 6'58	24°57	13°24	1°51	4°30	3° 0	16°28	23°24	6° 0	7°46	1° 7	2°47	26°55	18°46	M24
T 25	14 50 15	14° 4'55	7°50	12°47	3° 0	4°59	3°12	16°30	23°26	6° 2	7°46	1°D 7	2°43	27° 1	18°50	T 25
W26	14 54 12	15° 2'49	18°53	12°11	4° 9	5°28	3°25	16°31	23°28	6° 4	7°46	1° 8	2°40	27° 8	18°54	W26
T 27	14 58 8	16° 0'42	0°143	11°36	5°18	5°57	3°37	16°33	23°30	6° 6	7°46	1°10	2°37	27°15	18°57	T 27
F 28	15 2 5	16°58'34	12°33	11° 2	6°27	6°26	3°50	16°35	23°32	6° 8	7°46	1°R11	2°34	27°21	19° 0	F 28
S 29	15 6 1	17°56'23	24°28	10°30	7°36	6°55	4° 2	16°38	23°34	6°10	7°R46	1°11	2°31	27°28	19° 4	S 29
S 30	15 9 58	18°54'11	6°135	10°B 1	8°V45	7°125	4°V15	16°140	23°536	6°V11	7°346	1°59	2°528	27°535	19°V 7	S 30

Delta T = 210.33 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1536

## geocentric

MAY 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	15 13 54	19♌51'57	18♍58	9°R34	9°Y54	7♌55	4°Y27	16♌42	23♍38	6°Y13	7°R46	1°R 6	29♍24	27♍41	19°Y11	M 1
T 2	15 17 51	20°49'41	1♌39	9♌11	11° 4	8°25	4°39	16°45	23°40	6°15	7♌46	1♌ 1	2°21	27°48	19°14	T 2
W 3	15 21 48	21°47'24	14°42	8°52	12°13	8°55	4°51	16°47	23°42	6°17	7°46	0°55	2°18	27°55	19°17	W 3
T 4	15 25 44	22°45'05	28° 8	8°36	13°23	9°25	5° 3	16°50	23°44	6°18	7°46	0°48	2°15	28° 1	19°21	T 4
F 5	15 29 41	23°42'44	11♌56	8°25	14°32	9°55	5°15	16°53	23°46	6°20	7°46	0°43	2°12	28° 8	19°24	F 5
S 6	15 33 37	24°40'23	26° 2	8°18	15°42	10°25	5°27	16°56	23°48	6°22	7°45	0°38	2° 9	28°15	19°27	S 6
S 7	15 37 34	25°38'00	10♌22	8°D16	16°51	10°56	5°38	16°58	23°51	6°23	7°45	0°35	2° 5	28°21	19°31	S 7
M 8	15 41 30	26°35'36	24°51	8°18	18° 1	11°27	5°50	17° 2	23°53	6°25	7°45	0°D34	2° 2	28°28	19°34	M 8
T 9	15 45 27	27°33'11	9♌24	8°24	19°11	11°57	6° 2	17° 5	23°55	6°26	7°45	0°34	1°59	28°35	19°37	T 9
W10	15 49 23	28°30'45	23°54	8°35	20°21	12°28	6°13	17° 8	23°58	6°28	7°45	0°35	1°56	28°41	19°40	W10
T 11	15 53 20	29°28'18	8♌18	8°51	21°31	12°59	6°25	17°11	24° 0	6°30	7°44	0°36	1°53	28°48	19°43	T 11
F 12	15 57 17	0♐25'50	22°32	9°11	22°41	13°31	6°36	17°15	24° 3	6°31	7°44	0°37	1°49	28°55	19°46	F 12
S 13	16 1 13	1°23'21	6♌36	9°35	23°51	14° 2	6°47	17°18	24° 5	6°33	7°44	0°R37	1°46	29° 1	19°49	S 13
S 14	16 5 10	2°20'52	20°27	10° 4	25° 1	14°33	6°58	17°22	24° 8	6°34	7°43	0°36	1°43	29° 8	19°52	S 14
M15	16 9 6	3°18'21	4°Y 5	10°36	26°11	15° 5	7° 9	17°25	24°10	6°36	7°43	0°34	1°40	29°15	19°55	M15
T 16	16 13 3	4°15'50	17°29	11°13	27°21	15°37	7°20	17°29	24°13	6°37	7°42	0°31	1°37	29°21	19°58	T 16
W17	16 16 59	5°13'18	0♌40	11°54	28°31	16° 8	7°31	17°33	24°16	6°38	7°42	0°27	1°34	29°28	20° 1	W17
T 18	16 20 56	6°10'45	13°37	12°38	29°42	16°40	7°42	17°37	24°18	6°40	7°41	0°23	1°30	29°35	20° 4	T 18
F 19	16 24 52	7° 8'12	26°20	13°27	0♌52	17°12	7°52	17°41	24°21	6°41	7°41	0°20	1°27	29°41	20° 7	F 19
S 20	16 28 49	8° 5'37	8♐49	14°19	2° 3	17°45	8° 3	17°45	24°24	6°42	7°40	0°17	1°24	29°48	20°10	S 20
S 21	16 32 46	9° 3'02	21° 6	15°15	3°13	18°17	8°13	17°49	24°27	6°44	7°40	0°16	1°21	29°54	20°13	S 21
M22	16 36 42	10° 0'26	3♌12	16°14	4°24	18°49	8°24	17°53	24°30	6°45	7°39	0°D16	1°18	0♌ 1	20°15	M22
T 23	16 40 39	10°57'48	15°10	17°16	5°34	19°22	8°34	17°58	24°32	6°46	7°39	0°16	1°15	0° 8	20°18	T 23
W24	16 44 35	11°55'10	27° 1	18°22	6°45	19°54	8°44	18° 2	24°35	6°47	7°38	0°18	1°11	0°14	20°21	W24
T 25	16 48 32	12°52'31	8♌49	19°32	7°55	20°27	8°54	18° 7	24°38	6°49	7°37	0°19	1° 8	0°21	20°23	T 25
F 26	16 52 28	13°49'51	20°39	20°44	9° 6	21° 0	9° 4	18°11	24°41	6°50	7°37	0°20	1° 5	0°28	20°26	F 26
S 27	16 56 25	14°47'10	2♐35	22° 0	10°17	21°33	9°13	18°16	24°44	6°51	7°36	0°21	1° 2	0°34	20°29	S 27
S 28	17 0 21	15°44'28	14°41	23°19	11°28	22° 6	9°23	18°21	24°47	6°52	7°35	0°R22	0°59	0°41	20°31	S 28
M29	17 4 18	16°41'45	27° 2	24°41	12°39	22°39	9°33	18°26	24°50	6°53	7°35	0°22	0°55	0°48	20°34	M29
T 30	17 8 15	17°39'01	9♌42	26° 6	13°50	23°12	9°42	18°30	24°53	6°54	7°34	0°21	0°52	0°54	20°36	T 30
W31	17 12 11	18♐36'16	22♌46	27♌34	15♌ 0	23♌45	9°Y51	18♌35	24♍57	6°Y55	7♌33	0♌19	0♌49	1♌ 1	20°Y38	W31

Delta T = 210.15 sec

Julian Calendar 1 May 1536 == Greg. Calendar 11 May 1536

JUNE 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 16 8	19♐33'31	6♌13	29♌ 5	16♌11	24♌19	10°Y 0	18♌41	25♍ 0	6°Y56	7°R32	0°R18	0♌46	1♌ 8	20°Y41	T 1
F 2	17 20 4	20°30'45	20° 7	0♐39	17°22	24°52	10° 9	18°46	25° 3	6°57	7♌31	0♌17	0°43	1°14	20°43	F 2
S 3	17 24 1	21°27'58	4♌24	2°17	18°34	25°26	10°18	18°51	25° 6	6°58	7°31	0°16	0°40	1°21	20°45	S 3
S 4	17 27 57	22°25'10	19° 0	3°57	19°45	26° 0	10°27	18°56	25° 9	6°59	7°30	0°15	0°36	1°28	20°48	S 4
M 5	17 31 54	23°22'23	3♌50	5°40	20°56	26°33	10°36	19° 1	25°13	6°59	7°29	0°D15	0°33	1°34	20°50	M 5
T 6	17 35 51	24°19'35	18°46	7°26	22° 7	27° 7	10°44	19° 7	25°16	7° 0	7°28	0°16	0°30	1°41	20°52	T 6
W 7	17 39 47	25°16'46	3♌40	9°15	23°18	27°41	10°52	19°12	25°19	7° 1	7°27	0°16	0°27	1°48	20°54	W 7
T 8	17 43 44	26°13'58	18°25	11° 6	24°30	28°15	11° 1	19°18	25°22	7° 2	7°26	0°16	0°24	1°54	20°56	T 8
F 9	17 47 40	27°11'09	2♌55	13° 0	25°41	28°49	11° 9	19°23	25°26	7° 3	7°25	0°17	0°21	2° 1	20°58	F 9
S 10	17 51 37	28° 8'21	17° 7	14°57	26°52	29°24	11°17	19°29	25°29	7° 3	7°24	0°17	0°17	2° 8	21° 0	S 10
S 11	17 55 33	29° 5'32	0°Y58	16°56	28° 4	29°58	11°25	19°35	25°32	7° 4	7°23	0°R17	0°14	2°14	21° 2	S 11
M12	17 59 30	0♌ 2'43	14°29	18°57	29°15	0♐32	11°32	19°41	25°36	7° 5	7°22	0°D17	0°11	2°21	21° 4	M12
T 13	18 3 26	0°59'55	27°40	21° 0	0♐27	1° 7	11°40	19°46	25°39	7° 5	7°21	0°17	0° 8	2°28	21° 6	T 13
W14	18 7 23	1°57'07	10♌33	23° 5	1♐18	1°41	11°47	19°52	25°43	7° 6	7°20	0°17	0° 5	2°34	21° 7	W14
T 15	18 11 20	2°54'19	23°12	25°12	2°50	2°16	11°54	19°58	25°46	7° 6	7°19	0°17	0° 1	2°41	21° 9	T 15
F 16	18 15 16	3°51'31	5♐36	27°20	4° 2	2°51	12° 1	20° 4	25°50	7° 7	7°18	0°18	29♐58	2°48	21°11	F 16
S 17	18 19 13	4°48'43	17°50	29°29	5°13	3°26	12° 8	20°10	25°53	7° 7	7°17	0°18	29°55	2°54	21°12	S 17
S 18	18 23 9	5°45'55	29°54	19♌38	6°25	4° 0	12°15	20°16	25°57	7° 8	7°16	0°R18	29°52	3° 1	21°14	S 18
M19	18 27 6	6°43'07	11♌51	3°49	7°37	4°35	12°22	20°23	26° 0	7° 8	7°15	0°18	29°49	3° 8	21°15	M19
T 20	18 31 2	7°40'20	23°43	5°59	8°49	5°11	12°28	20°29	26° 4	7° 8	7°13	0°17	29°46	3°14	21°17	T 20
W21	18 34 59	8°37'32	5♌32	8° 9	10° 0	5°46	12°35	20°35	26° 7	7° 9	7°12	0°16	29°42	3°21	21°18	W21
T 22	18 38 55	9°34'44	17°20	10°19	11°12	6°21	12°41	20°42	26°11	7° 9	7°11	0°15	29°39	3°28	21°20	T 22
F 23	18 42 52	10°31'57	29°11	12°28	12°24	6°56	12°47	20°48	26°14	7° 9	7°10	0°14	29°36	3°35	21°21	F 23
S 24	18 46 49	11°29'09	11♐ 8	14°36	13°36	7°32	12°53	20°54	26°18	7°10	7° 9	0°12	29°33	3°41	21°22	S 24
S 25	18 50 45	12°26'21	23°14	16°43	14°48	8° 7	12°58	21° 1	26°22	7°10	7° 8	0°11	29°30	3°48	21°23	S 25
M26	18 54 42	13°23'33	5♌34	18°49	16° 0	8°43	13° 4	21° 7	26°25	7°10	7° 6	0°11	29°27	3°55	21°24	M26
T 27	18 58 38	14°20'45	18°11	20°53	17°12	9°18	13° 9	21°14	26°29	7°10	7° 5	0°D11	29°23	4° 1	21°26	T 27
W28	19 2 35	15°17'57	1♌ 9	22°57	18°24	9°54	13°14	21°21	26°32	7°10	7° 4	0°11	29°20	4° 8	21°27	W28
T 29	19 6 31	16°15'10	14°31	24°58	19°37	10°30	13°19	21°27	26°36	7°10	7° 3	0°12	29°17	4°15	21°28	T 29
F 30	19 10 28	17°12'22	28♌20	26♌58	20♐49	11♐ 6	13°Y24	21♌34	26♌40	7°Y10	7♌ 1	0♌13	29♐14	4♌21	21°Y28	F 30

Delta T = 209.96 sec

Julian Calendar

## ASTRODIENST EPHEMERIS for the year 1536

geocentric

JULY 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	19 14 24	18° 35'	12° 36'	28° 56'	22° 11'	11° 42'	13° 29'	21° 41'	26° 43'	7° 10'	7° 0'	0° 14'	29° 11'	4° 28'	21° 29'	S 1
S 2	19 18 21	19° 6'48	27° 15'	0° 53'	23° 13'	12° 18'	13° 33'	21° 48'	26° 47'	7° 10'	6° 59'	0° 15'	29° 7'	4° 35'	21° 30'	S 2
M 3	19 22 18	20° 4'01	12° 34'	2° 48'	24° 26'	12° 54'	13° 37'	21° 54'	26° 51'	7° 10'	6° 58'	0° 15'	29° 4'	4° 41'	21° 31'	M 3
T 4	19 26 14	21° 1'15	27° 24'	4° 41'	25° 38'	13° 30'	13° 41'	22° 1'	26° 54'	7° 10'	6° 56'	0° 13'	29° 1'	4° 48'	21° 32'	T 4
W 5	19 30 11	21° 58'30	12° 36'	6° 32'	26° 50'	14° 6'	13° 45'	22° 8'	26° 58'	7° 10'	6° 55'	0° 11'	28° 58'	4° 55'	21° 32'	W 5
T 6	19 34 7	22° 55'45	27° 39'	8° 22'	28° 3'	14° 42'	13° 49'	22° 15'	27° 2'	7° 10'	6° 54'	0° 8'	28° 55'	5° 1'	21° 33'	T 6
F 7	19 38 4	23° 53'00	12° 27'	10° 9'	29° 15'	15° 19'	13° 53'	22° 22'	27° 5'	7° 10'	6° 52'	0° 5'	28° 52'	5° 8'	21° 33'	F 7
S 8	19 42 0	24° 50'17	26° 52'	11° 55'	0° 28'	15° 55'	13° 56'	22° 29'	27° 9'	7° 10'	6° 51'	0° 3'	28° 48'	5° 15'	21° 34'	S 8
S 9	19 45 57	25° 47'35	10° 51'	13° 39'	1° 40'	16° 32'	13° 59'	22° 36'	27° 13'	7° 9'	6° 50'	0° 1'	28° 45'	5° 21'	21° 34'	S 9
M10	19 49 53	26° 44'53	24° 23'	15° 22'	2° 53'	17° 8'	14° 2'	22° 43'	27° 16'	7° 9'	6° 48'	0° 0'	28° 42'	5° 28'	21° 35'	M10
T 11	19 53 50	27° 42'13	7° 30'	17° 3'	4° 6'	17° 45'	14° 5'	22° 51'	27° 20'	7° 9'	6° 47'	0° 0'	28° 39'	5° 35'	21° 35'	T 11
W12	19 57 47	28° 39'33	20° 16'	18° 42'	5° 18'	18° 22'	14° 8'	22° 58'	27° 24'	7° 8'	6° 46'	0° 2'	28° 36'	5° 41'	21° 35'	W12
T 13	20 1 43	29° 36'55	2° 43'	20° 19'	6° 31'	18° 59'	14° 10'	23° 5'	27° 27'	7° 8'	6° 44'	0° 3'	28° 33'	5° 48'	21° 36'	T 13
F 14	20 5 40	0° 34'18	14° 56'	21° 54'	7° 44'	19° 35'	14° 13'	23° 12'	27° 31'	7° 8'	6° 43'	0° 5'	28° 29'	5° 55'	21° 36'	F 14
S 15	20 9 36	1° 31'42	26° 58'	23° 28'	8° 57'	20° 12'	14° 15'	23° 19'	27° 35'	7° 7'	6° 42'	0° 6'	28° 26'	6° 1'	21° 36'	S 15
S 16	20 13 33	2° 29'06	8° 53'	25° 0'	10° 10'	20° 49'	14° 17'	23° 27'	27° 39'	7° 7'	6° 40'	0° 5'	28° 23'	6° 8'	21° 36'	S 16
M17	20 17 29	3° 26'32	20° 43'	26° 30'	11° 23'	21° 27'	14° 18'	23° 34'	27° 42'	7° 6'	6° 39'	0° 3'	28° 20'	6° 15'	21° 36'	M17
T 18	20 21 26	4° 23'59	2° 32'	27° 59'	12° 35'	22° 4'	14° 20'	23° 41'	27° 46'	7° 6'	6° 37'	29° 15'	28° 17'	6° 21'	21° 36'	T 18
W19	20 25 22	5° 21'27	14° 21'	29° 26'	13° 48'	22° 41'	14° 21'	23° 49'	27° 50'	7° 5'	6° 36'	29° 55'	28° 13'	6° 28'	21° 36'	W19
T 20	20 29 19	6° 18'56	26° 12'	0° 50'	15° 2'	23° 18'	14° 22'	23° 56'	27° 53'	7° 4'	6° 35'	29° 49'	28° 10'	6° 35'	21° 35'	T 20
F 21	20 33 16	7° 16'25	8° 17'	2° 14'	16° 15'	23° 56'	14° 23'	24° 4'	27° 57'	7° 4'	6° 33'	29° 42'	28° 7'	6° 41'	21° 35'	F 21
S 22	20 37 12	8° 13'56	20° 9'	3° 35'	17° 28'	24° 33'	14° 24'	24° 11'	28° 1'	7° 3'	6° 32'	29° 35'	28° 4'	6° 48'	21° 35'	S 22
S 23	20 41 9	9° 11'27	2° 19'	4° 54'	18° 41'	25° 11'	14° 24'	24° 18'	28° 4'	7° 2'	6° 31'	29° 29'	28° 1'	6° 55'	21° 34'	S 23
M24	20 45 5	10° 9'00	14° 41'	6° 11'	19° 54'	25° 48'	14° 24'	24° 26'	28° 8'	7° 2'	6° 29'	29° 25'	27° 58'	7° 1'	21° 34'	M24
T 25	20 49 2	11° 6'33	27° 17'	7° 27'	21° 7'	26° 26'	14° 25'	24° 33'	28° 11'	7° 1'	6° 28'	29° 22'	27° 54'	7° 8'	21° 34'	T 25
W26	20 52 58	12° 4'07	10° 11'	8° 40'	22° 20'	27° 4'	14° 24'	24° 41'	28° 15'	7° 0'	6° 27'	29° 21'	27° 51'	7° 15'	21° 33'	W26
T 27	20 56 55	13° 1'42	23° 27'	9° 51'	23° 34'	27° 41'	14° 24'	24° 48'	28° 19'	6° 59'	6° 25'	29° 22'	27° 48'	7° 21'	21° 33'	T 27
F 28	21 0 51	13° 59'18	7° 6'	11° 0'	24° 47'	28° 19'	14° 24'	24° 56'	28° 22'	6° 59'	6° 24'	29° 23'	27° 45'	7° 28'	21° 32'	F 28
S 29	21 4 48	14° 56'55	21° 11'	12° 7'	26° 0'	28° 57'	14° 23'	25° 3'	28° 26'	6° 58'	6° 22'	29° 24'	27° 42'	7° 35'	21° 31'	S 29
S 30	21 8 45	15° 54'33	5° 42'	13° 11'	27° 14'	29° 35'	14° 22'	25° 11'	28° 29'	6° 57'	6° 21'	29° 24'	27° 38'	7° 41'	21° 30'	S 30
M31	21 12 41	16° 52'13	20° 35'	14° 13'	28° 27'	0° 13'	14° 21'	25° 19'	28° 33'	6° 56'	6° 20'	29° 22'	27° 35'	7° 48'	21° 30'	M31

Delta T = 209.77 sec

Julian Calendar 1 July 1536 == Greg. Calendar 11 July 1536

AUGUST 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	21 16 38	17° 49'53	5° 43'	15° 12'	29° 41'	0° 51'	14° 20'	25° 26'	28° 36'	6° 55'	6° 18'	29° 18'	27° 32'	7° 55'	21° 29'	T 1
W 2	21 20 34	18° 47'35	20° 59'	16° 8'	0° 54'	1° 30'	14° 17'	25° 34'	28° 40'	6° 54'	6° 17'	29° 13'	27° 29'	8° 1'	21° 28'	W 2
T 3	21 24 31	19° 45'18	6° 11'	17° 2'	2° 8'	2° 8'	14° 17'	25° 41'	28° 44'	6° 53'	6° 16'	29° 6'	27° 26'	8° 8'	21° 27'	T 3
F 4	21 28 27	20° 43'02	21° 9'	17° 52'	3° 22'	2° 46'	14° 15'	25° 49'	28° 47'	6° 52'	6° 14'	28° 58'	27° 23'	8° 15'	21° 26'	F 4
S 5	21 32 24	21° 40'48	5° 45'	18° 39'	4° 35'	3° 25'	14° 13'	25° 56'	28° 50'	6° 51'	6° 13'	28° 51'	27° 19'	8° 22'	21° 25'	S 5
S 6	21 36 20	22° 38'35	19° 53'	19° 23'	5° 49'	4° 3'	14° 10'	26° 4'	28° 54'	6° 50'	6° 12'	28° 45'	27° 16'	8° 28'	21° 24'	S 6
M 7	21 40 17	23° 36'25	3° 32'	20° 3'	7° 3'	4° 42'	14° 8'	26° 12'	28° 57'	6° 49'	6° 11'	28° 41'	27° 13'	8° 35'	21° 23'	M 7
T 8	21 44 14	24° 34'16	16° 42'	20° 40'	8° 16'	5° 20'	14° 5'	26° 19'	29° 1'	6° 48'	6° 9'	28° 39'	27° 10'	8° 42'	21° 21'	T 8
W 9	21 48 10	25° 32'09	29° 27'	21° 12'	9° 30'	5° 59'	14° 2'	26° 27'	29° 4'	6° 47'	6° 8'	28° 39'	27° 7'	8° 48'	21° 20'	W 9
T 10	21 52 7	26° 30'04	11° 50'	21° 40'	10° 44'	6° 38'	13° 59'	26° 35'	29° 8'	6° 45'	6° 7'	28° 39'	27° 4'	8° 55'	21° 19'	T 10
F 11	21 56 3	27° 28'00	23° 58'	22° 3'	11° 58'	7° 16'	13° 56'	26° 42'	29° 11'	6° 44'	6° 5'	28° 40'	27° 0'	9° 2'	21° 17'	F 11
S 12	22 0 0	28° 25'59	5° 55'	22° 22'	13° 12'	7° 55'	13° 53'	26° 50'	29° 14'	6° 43'	6° 4'	28° 40'	26° 57'	9° 8'	21° 16'	S 12
S 13	22 3 56	29° 23'59	17° 45'	22° 35'	14° 26'	8° 34'	13° 49'	26° 57'	29° 18'	6° 42'	6° 3'	28° 38'	26° 54'	9° 15'	21° 14'	S 13
M14	22 7 53	0° 22'02	29° 33'	22° 43'	15° 40'	9° 13'	13° 45'	27° 5'	29° 21'	6° 41'	6° 2'	28° 34'	26° 51'	9° 22'	21° 13'	M14
T 15	22 11 49	1° 20'05	11° 22'	22° 45'	16° 54'	9° 52'	13° 41'	27° 13'	29° 24'	6° 39'	6° 1'	28° 27'	26° 48'	9° 28'	21° 11'	T 15
W16	22 15 46	2° 18'11	23° 14'	22° 42'	18° 8'	10° 31'	13° 37'	27° 20'	29° 27'	6° 38'	5° 59'	28° 17'	26° 44'	9° 35'	21° 10'	W16
T 17	22 19 43	3° 16'18	5° 11'	22° 32'	19° 22'	11° 11'	13° 33'	27° 28'	29° 31'	6° 37'	5° 58'	28° 6'	26° 41'	9° 42'	21° 8'	T 17
F 18	22 23 39	4° 14'27	17° 15'	22° 16'	20° 36'	11° 50'	13° 28'	27° 35'	29° 34'	6° 35'	5° 57'	27° 54'	26° 38'	9° 48'	21° 6'	F 18
S 19	22 27 36	5° 12'38	29° 26'	21° 54'	21° 50'	12° 29'	13° 24'	27° 43'	29° 37'	6° 34'	5° 56'	27° 42'	26° 35'	9° 55'	21° 5'	S 19
S 20	22 31 32	6° 10'50	11° 46'	21° 26'	23° 4'	13° 9'	13° 19'	27° 51'	29° 40'	6° 33'	5° 55'	27° 31'	26° 32'	10° 2'	21° 3'	S 20
M21	22 35 29	7° 9'04	24° 17'	20° 51'	24° 19'	13° 48'	13° 14'	27° 58'	29° 43'	6° 31'	5° 54'	27° 22'	26° 29'	10° 8'	21° 1'	M21
T 22	22 39 25	8° 7'20	7° 10'	20° 10'	25° 33'	14° 28'	13° 9'	28° 6'	29° 46'	6° 30'	5° 52'	27° 15'	26° 25'	10° 15'	20° 59'	T 22
W23	22 43 22	9° 5'37	19° 56'	19° 24'	26° 47'	15° 7'	13° 3'	28° 13'	29° 49'	6° 28'	5° 51'	27° 12'	26° 22'	10° 22'	20° 57'	W23
T 24	22 47 18	10° 3'55	3° 10'	18° 33'	28° 1'	15° 47'	12° 58'	28° 21'	29° 53'	6° 27'	5° 50'	27° 10'	26° 19'	10° 28'	20° 55'	T 24
F 25	22 51 15	11° 2'16	16° 42'	17° 37'	29° 16'	16° 27'	12° 52'	28° 28'	29° 56'	6° 26'	5° 49'	27° 10'	26° 16'	10° 35'	20° 53'	F 25
S 26	22 55 12	12° 0'38	0° 36'	16° 38'	0° 30'	17° 6'	12° 46'	28° 36'	29° 59'	6° 24'	5° 48'	27° 10'	26° 13'	10° 42'	20° 51'	S 26
S 27	22 59 8	12° 59'01	14° 52'	15° 37'	1° 45'	17° 46'	12° 40'	28° 43'	0° 1'	6° 23'	5° 47'	27° 9'	26° 10'	10° 48'	20° 49'	S 27
M28	23 3 5	13° 57'26	29° 28'	14° 36'	2° 59'	18° 26'	12° 34'	28° 51'	0° 4'	6° 21'	5° 46'	27° 6'	26° 6'	10° 55'	20° 47'	M28
T 29	23 7 1	14° 55'53	14° 21'	13° 34'	4° 13'	19° 6'	12° 28'	28° 58'	0° 7'	6° 20'	5° 45'	27° 0'	26° 3'	11° 2'	20° 45'	T 29
W30	23 10 58	15° 54'21	29° 25'	12° 35'	5° 28'	19° 46'	12° 22'	29° 6'	0° 10'	6° 18'	5° 44'	26° 52'	26° 0'	11° 9'	20° 42'	W30
T 31	23 14 54	16° 52'51	14° 29'	11° 39'	6° 42'	20° 26'	12° 15'	29° 13'	0° 13'	6° 16'	5° 43'	26° 42'	25° 57'	11° 15'	20° 40'	T 31

Delta T = 209.58 sec

Julian Calendar

## ASTRODIENST EPHEMERIS for the year 1536

geocentric

SEPTEMBER 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23 18 51	17 <sup>h</sup> 51'23	29 <sup>h</sup> 24	10°R49	7 <sup>h</sup> 57	21 <sup>h</sup> 47	12°R 9	29 <sup>h</sup> 20	0 <sup>h</sup> 16	6°R15	5°R42	26°R31	25 <sup>h</sup> 54	11 <sup>h</sup> 22	20°R38	F 1
S 2	23 22 47	18°49'57	14 <sup>h</sup> 0	10 <sup>h</sup> 4	9°11	21°47	12 <sup>h</sup> 2	29°28	0°18	6 <sup>h</sup> 13	5°41	26 <sup>h</sup> 20	25°50	11°29	20°V35	S 2
S 3	23 26 44	19°48'33	28°12	9°27	10°26	22°27	11°55	29°35	0°21	6°12	5°40	26°10	25°47	11°35	20°33	S 3
M 4	23 30 41	20°47'11	11 <sup>h</sup> 55	8°58	11°41	23° 8	11°48	29°42	0°24	6°10	5°39	26° 4	25°44	11°42	20°31	M 4
T 5	23 34 37	21°45'52	25° 9	8°38	12°55	23°48	11°41	29°50	0°26	6° 9	5°39	25°59	25°41	11°49	20°28	T 5
W 6	23 38 34	22°44'34	7 <sup>h</sup> 57	8°28	14°10	24°28	11°34	29°57	0°29	6° 7	5°38	25°57	25°38	11°55	20°26	W 6
T 7	23 42 30	23°43'19	20°23	8°D27	15°25	25° 9	11°26	0 <sup>h</sup> 4	0°32	6° 5	5°37	25°57	25°35	12° 2	20°23	T 7
F 8	23 46 27	24°42'07	2 <sup>h</sup> 31	8°37	16°39	25°50	11°19	0°11	0°34	6° 4	5°36	25°57	25°31	12° 9	20°21	F 8
S 9	23 50 23	25°40'56	14°28	8°56	17°54	26°30	11°12	0°18	0°37	6° 2	5°35	25°56	25°28	12°15	20°18	S 9
S 10	23 54 20	26°39'48	26°18	9°25	19° 9	27°11	11° 4	0°26	0°39	6° 0	5°35	25°53	25°25	12°22	20°16	S 10
M 11	23 58 16	27°38'43	8 <sup>h</sup> 6	10° 3	20°24	27°52	10°56	0°33	0°41	5°59	5°34	25°48	25°22	12°29	20°13	M 11
T 12	0 2 13	28°37'39	19°57	10°50	21°39	28°33	10°49	0°40	0°44	5°57	5°33	25°41	25°19	12°35	20°10	T 12
W 13	0 6 10	29°36'37	1 <sup>h</sup> 53	11°45	22°53	29°14	10°41	0°47	0°46	5°55	5°32	25°30	25°16	12°42	20° 8	W 13
T 14	0 10 6	0 <sup>h</sup> 35'38	13°58	12°48	24° 8	29°55	10°33	0°54	0°48	5°54	5°32	25°17	25°12	12°49	20° 5	T 14
F 15	0 14 3	1°34'41	26°13	13°57	25°23	0 <sup>h</sup> 36	10°25	1° 1	0°51	5°52	5°31	25° 3	25° 9	12°56	20° 2	F 15
S 16	0 17 59	2°33'45	8 <sup>h</sup> 39	15°12	26°38	1°17	10°17	1° 8	0°53	5°50	5°31	24°50	25° 6	13° 2	19°59	S 16
S 17	0 21 56	3°32'52	21°15	16°33	27°53	1°58	10° 9	1°14	0°55	5°49	5°30	24°37	25° 3	13° 9	19°57	S 17
M 18	0 25 52	4°32'01	4 <sup>h</sup> 2	17°58	29° 8	2°40	10° 1	1°21	0°57	5°47	5°29	24°27	25° 0	13°16	19°54	M 18
T 19	0 29 49	5°31'12	17° 0	19°27	0 <sup>h</sup> 23	3°21	9°53	1°28	0°59	5°45	5°29	24°19	24°56	13°22	19°51	T 19
W 20	0 33 45	6°30'25	0 <sup>h</sup> 9	21° 0	1°38	4° 3	9°45	1°35	1° 1	5°44	5°28	24°15	24°53	13°29	19°48	W 20
T 21	0 37 42	7°29'39	13°30	22°35	2°53	4°44	9°37	1°41	1° 3	5°42	5°28	24°13	24°50	13°36	19°45	T 21
F 22	0 41 38	8°28'56	27° 5	24°13	4° 8	5°26	9°29	1°48	1° 5	5°40	5°27	24°D12	24°47	13°42	19°43	F 22
S 23	0 45 35	9°28'14	10 <sup>h</sup> 34	25°52	5°23	6° 7	9°21	1°55	1° 7	5°39	5°27	24°R12	24°44	13°49	19°40	S 23
S 24	0 49 32	10°27'34	24°58	27°33	6°38	6°49	9°13	2° 1	1° 9	5°37	5°26	24°12	24°41	13°56	19°37	S 24
M 25	0 53 28	11°26'56	9 <sup>h</sup> 18	29°15	7°53	7°31	9° 5	2° 8	1°11	5°35	5°26	24° 9	24°37	14° 2	19°34	M 25
T 26	0 57 25	12°26'19	23°49	0 <sup>h</sup> 58	9° 8	8°12	8°57	2°14	1°12	5°34	5°26	24° 4	24°34	14° 9	19°31	T 26
W 27	1 1 21	13°25'44	8 <sup>h</sup> 29	2°42	10°23	8°54	8°49	2°21	1°14	5°32	5°25	23°56	24°31	14°16	19°28	W 27
T 28	1 5 18	14°25'11	23°11	4°25	11°38	9°36	8°41	2°27	1°16	5°31	5°25	23°46	24°28	14°22	19°25	T 28
F 29	1 9 14	15°24'40	7 <sup>h</sup> 47	6° 9	12°53	10°18	8°33	2°33	1°17	5°29	5°25	23°36	24°25	14°29	19°22	F 29
S 30	1 13 11	16°24'11	22 <sup>h</sup> 9	7 <sup>h</sup> 53	14° 8	11 <sup>h</sup> 0	8°V25	2 <sup>h</sup> 39	1 <sup>h</sup> 19	5°V27	5°24	23 <sup>h</sup> 25	24 <sup>h</sup> 21	14 <sup>h</sup> 36	19°V20	S 30

Delta T = 209.39 sec

Julian Calendar 1 Sept. 1536 == Greg. Calendar 11 Sept. 1536

OCTOBER 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 17 7	17 <sup>h</sup> 23'44	6 <sup>h</sup> 12	9 <sup>h</sup> 37	15 <sup>h</sup> 24	11 <sup>h</sup> 42	8°R17	2 <sup>h</sup> 46	1 <sup>h</sup> 20	5°R26	5°R24	23°R16	24 <sup>h</sup> 18	14 <sup>h</sup> 43	19°R17	S 1
M 2	1 21 4	18°23'19	19°51	11°21	16°39	12°25	8°V 9	2°52	1°22	5°V24	5°24	23 <sup>h</sup> 11	24°15	14°49	19°V14	M 2
T 3	1 25 1	19°22'57	3 <sup>h</sup> 11	13° 4	17°54	13° 7	8° 1	2°58	1°23	5°22	5°24	23° 5	24°12	14°56	19°11	T 3
W 4	1 28 57	20°22'36	15°55	14°47	19° 9	13°49	7°53	3° 4	1°24	5°21	5°24	23° 3	24° 9	15° 3	19° 8	W 4
T 5	1 32 54	21°22'18	28°23	16°30	20°24	14°31	7°46	3°10	1°26	5°19	5°24	23°D 3	24° 6	15° 9	19° 5	T 5
F 6	1 36 50	22°22'02	10 <sup>h</sup> 34	18°12	21°39	15°14	7°38	3°16	1°27	5°18	5°23	23° 4	24° 2	15°16	19° 2	F 6
S 7	1 40 47	23°21'49	22°32	19°53	22°54	15°56	7°31	3°21	1°28	5°16	5°23	23°R 4	23°59	15°23	18°59	S 7
S 8	1 44 43	24°21'38	4 <sup>h</sup> 24	21°34	24°10	16°39	7°23	3°27	1°29	5°14	5°23	23° 4	23°56	15°29	18°56	S 8
M 9	1 48 40	25°21'28	16°13	23°15	25°25	17°22	7°16	3°33	1°30	5°13	5°D23	23° 1	23°53	15°36	18°53	M 9
T 10	1 52 36	26°21'22	28° 7	24°55	26°40	18° 4	7° 9	3°38	1°31	5°11	5°23	22°56	23°50	15°43	18°50	T 10
W 11	1 56 33	27°21'17	10 <sup>h</sup> 7	26°35	27°55	18°47	7° 2	3°44	1°32	5°10	5°23	22°49	23°47	15°49	18°48	W 11
T 12	2 0 30	28°21'14	22°19	28°14	29°11	19°30	6°55	3°49	1°33	5° 8	5°23	22°40	23°43	15°56	18°45	T 12
F 13	2 4 26	29°21'14	4 <sup>h</sup> 44	29°52	0 <sup>h</sup> 26	20°13	6°48	3°55	1°34	5° 7	5°24	22°30	23°40	16° 3	18°42	F 13
S 14	2 8 23	0 <sup>h</sup> 21'15	17°23	1 <sup>h</sup> 30	1°41	20°56	6°41	4° 0	1°35	5° 5	5°24	22°20	23°37	16°10	18°39	S 14
S 15	2 12 19	1°21'18	0 <sup>h</sup> 17	3° 8	2°56	21°39	6°34	4° 5	1°36	5° 4	5°24	22°11	23°34	16°16	18°36	S 15
M 16	2 16 16	2°21'24	13°25	4°45	4°12	22°22	6°28	4°11	1°36	5° 2	5°24	22° 4	23°31	16°23	18°33	M 16
T 17	2 20 12	3°21'31	26°46	6°22	5°27	23° 5	6°21	4°16	1°37	5° 1	5°24	21°59	23°27	16°30	18°30	T 17
W 18	2 24 9	4°21'40	10 <sup>h</sup> 17	7°58	6°42	23°48	6°15	4°21	1°37	5° 0	5°24	21°56	23°24	16°36	18°28	W 18
T 19	2 28 5	5°21'51	23°59	9°34	7°58	24°31	6° 9	4°26	1°38	4°58	5°25	21°D55	23°21	16°43	18°25	T 19
F 20	2 32 2	6°22'03	7 <sup>h</sup> 34	11° 9	9°13	25°15	6° 3	4°31	1°39	4°57	5°25	21°56	23°18	16°50	18°22	F 20
S 21	2 35 59	7°22'17	21°46	12°44	10°28	25°58	5°57	4°35	1°39	4°55	5°25	21°57	23°15	16°56	18°19	S 21
S 22	2 39 55	8°22'33	5 <sup>h</sup> 50	14°19	11°43	26°41	5°51	4°40	1°39	4°54	5°26	21°R58	23°12	17° 3	18°17	S 22
M 23	2 43 52	9°22'49	19°59	15°53	12°59	27°25	5°46	4°45	1°40	4°53	5°26	21°58	23° 8	17°10	18°14	M 23
T 24	2 47 48	10°23'08	4 <sup>h</sup> 13	17°27	14°14	28° 8	5°41	4°49	1°40	4°52	5°26	21°55	23° 5	17°17	18°11	T 24
W 25	2 51 45	11°23'27	18°29	19° 0	15°29	28°52	5°35	4°54	1°40	4°50	5°27	21°51	23° 2	17°23	18° 9	W 25
T 26	2 55 41	12°23'48	2 <sup>h</sup> 42	20°33	16°45	29°36	5°30	4°58	1°40	4°49	5°27	21°46	22°59	17°30	18° 6	T 26
F 27	2 59 38	13°24'11	16°50	22° 6	18° 0	0 <sup>h</sup> 19	5°26	5° 2	1°40	4°48	5°28	21°39	22°56	17°37	18° 4	F 27
S 28	3 3 34	14°24'35	0 <sup>h</sup> 34	23°39	19°15	1° 3	5°21	5° 7	1°R40	4°47	5°28	21°33	22°53	17°43	18° 1	S 28
S 29	3 7 31	15°25'00	14°28	25°11	20°31	1°47	5°16	5°11	1°40	4°45	5°29	21°28	22°49	17°50	17°59	S 29
M 30	3 11 28	16°25'27	27°52	26°43	21°46	2°31	5°12	5°15	1°40	4°44	5°29	21°24	22°46	17°57	17°56	M 30
T 31	3 15 24	17 <sup>h</sup> 25'56	10 <sup>h</sup> 57	28 <sup>h</sup> 15	23 <sup>h</sup> 1	3 <sup>h</sup> 15	5°V 8	5 <sup>h</sup> 19	1 <sup>h</sup> 40	4°V43	5°30	21 <sup>h</sup> 22	22 <sup>h</sup> 43	18 <sup>h</sup> 3	17°V54	T 31

Delta T = 209.21 sec

Julian Calendar

# ASTRODIENST EPHEMERIS for the year 1536

## geocentric

NOVEMBER 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	3 19 21	18 <sup>11</sup> 26'27"	23 <sup>11</sup> 41'	29 <sup>11</sup> 46'	24 <sup>11</sup> 17'	3 <sup>11</sup> 59'	5 <sup>11</sup> R 4	5 <sup>11</sup> 23'	1 <sup>11</sup> R40	4 <sup>11</sup> R42	5 <sup>11</sup> 31'	21 <sup>11</sup> D21	22 <sup>11</sup> 40'	18 <sup>11</sup> 10'	17 <sup>11</sup> R51	W 1
T 2	3 23 17	19 <sup>11</sup> 27'00"	6 <sup>11</sup> 8'	1 <sup>11</sup> 17'	25 <sup>11</sup> 32'	4 <sup>11</sup> 43'	5 <sup>11</sup> Y 0	5 <sup>11</sup> 26'	1 <sup>11</sup> 40'	4 <sup>11</sup> Y41	5 <sup>11</sup> 31'	21 <sup>11</sup> 22'	22 <sup>11</sup> 37'	18 <sup>11</sup> 17'	17 <sup>11</sup> Y49	T 2
F 3	3 27 14	20 <sup>11</sup> 27'34"	18 <sup>11</sup> 9'	2 <sup>11</sup> 48'	26 <sup>11</sup> 47'	5 <sup>11</sup> 27'	4 <sup>11</sup> 57'	5 <sup>11</sup> 30'	1 <sup>11</sup> 39'	4 <sup>11</sup> 40'	5 <sup>11</sup> 32'	21 <sup>11</sup> 24'	22 <sup>11</sup> 33'	18 <sup>11</sup> 23'	17 <sup>11</sup> 46'	F 3
S 4	3 31 10	21 <sup>11</sup> 28'10"	0 <sup>11</sup> 19'	4 <sup>11</sup> 19'	28 <sup>11</sup> 3'	6 <sup>11</sup> 11'	4 <sup>11</sup> 54'	5 <sup>11</sup> 34'	1 <sup>11</sup> 39'	4 <sup>11</sup> 39'	5 <sup>11</sup> 33'	21 <sup>11</sup> 26'	22 <sup>11</sup> 30'	18 <sup>11</sup> 30'	17 <sup>11</sup> 44'	S 4
S 5	3 35 7	22 <sup>11</sup> 28'47"	12 <sup>11</sup> 12'	5 <sup>11</sup> 49'	29 <sup>11</sup> 18'	6 <sup>11</sup> 55'	4 <sup>11</sup> 50'	5 <sup>11</sup> 37'	1 <sup>11</sup> 39'	4 <sup>11</sup> 38'	5 <sup>11</sup> 33'	21 <sup>11</sup> 27'	22 <sup>11</sup> 27'	18 <sup>11</sup> 37'	17 <sup>11</sup> 42'	S 5
M 6	3 39 3	23 <sup>11</sup> 29'26"	24 <sup>11</sup> 3'	7 <sup>11</sup> 20'	0 <sup>11</sup> 33'	7 <sup>11</sup> 40'	4 <sup>11</sup> 47'	5 <sup>11</sup> 40'	1 <sup>11</sup> 38'	4 <sup>11</sup> 37'	5 <sup>11</sup> 34'	21 <sup>11</sup> R28	22 <sup>11</sup> 24'	18 <sup>11</sup> 44'	17 <sup>11</sup> 40'	M 6
T 7	3 43 0	24 <sup>11</sup> 30'07"	5 <sup>11</sup> 57'	8 <sup>11</sup> 49'	1 <sup>11</sup> 49'	8 <sup>11</sup> 24'	4 <sup>11</sup> 45'	5 <sup>11</sup> 44'	1 <sup>11</sup> 38'	4 <sup>11</sup> 36'	5 <sup>11</sup> 35'	21 <sup>11</sup> 27'	22 <sup>11</sup> 21'	18 <sup>11</sup> 50'	17 <sup>11</sup> 37'	T 7
W 8	3 46 57	25 <sup>11</sup> 30'50"	17 <sup>11</sup> 59'	10 <sup>11</sup> 19'	3 <sup>11</sup> 4'	9 <sup>11</sup> 9'	4 <sup>11</sup> 42'	5 <sup>11</sup> 47'	1 <sup>11</sup> 37'	4 <sup>11</sup> 35'	5 <sup>11</sup> 36'	21 <sup>11</sup> 25'	22 <sup>11</sup> 18'	18 <sup>11</sup> 57'	17 <sup>11</sup> 35'	W 8
T 9	3 50 53	26 <sup>11</sup> 31'34"	0 <sup>11</sup> 12'	11 <sup>11</sup> 48'	4 <sup>11</sup> 19'	9 <sup>11</sup> 53'	4 <sup>11</sup> 40'	5 <sup>11</sup> 50'	1 <sup>11</sup> 37'	4 <sup>11</sup> 34'	5 <sup>11</sup> 36'	21 <sup>11</sup> 22'	22 <sup>11</sup> 14'	19 <sup>11</sup> 4'	17 <sup>11</sup> 33'	T 9
F 10	3 54 50	27 <sup>11</sup> 32'19"	12 <sup>11</sup> 42'	13 <sup>11</sup> 16'	5 <sup>11</sup> 35'	10 <sup>11</sup> 38'	4 <sup>11</sup> 38'	5 <sup>11</sup> 53'	1 <sup>11</sup> 36'	4 <sup>11</sup> 33'	5 <sup>11</sup> 37'	21 <sup>11</sup> 18'	22 <sup>11</sup> 11'	19 <sup>11</sup> 10'	17 <sup>11</sup> 31'	F 10
S 11	3 58 46	28 <sup>11</sup> 33'07"	25 <sup>11</sup> 29'	14 <sup>11</sup> 45'	6 <sup>11</sup> 50'	11 <sup>11</sup> 22'	4 <sup>11</sup> 36'	5 <sup>11</sup> 56'	1 <sup>11</sup> 35'	4 <sup>11</sup> 32'	5 <sup>11</sup> 38'	21 <sup>11</sup> 14'	22 <sup>11</sup> 8'	19 <sup>11</sup> 17'	17 <sup>11</sup> 29'	S 11
S 12	4 2 43	29 <sup>11</sup> 33'55"	8 <sup>11</sup> 36'	16 <sup>11</sup> 12'	8 <sup>11</sup> 5'	12 <sup>11</sup> 7'	4 <sup>11</sup> 34'	5 <sup>11</sup> 59'	1 <sup>11</sup> 34'	4 <sup>11</sup> 32'	5 <sup>11</sup> 39'	21 <sup>11</sup> 11'	22 <sup>11</sup> 5'	19 <sup>11</sup> 24'	17 <sup>11</sup> 27'	S 12
M13	4 6 39	0 <sup>11</sup> 34'45"	22 <sup>11</sup> 3'	17 <sup>11</sup> 39'	9 <sup>11</sup> 21'	12 <sup>11</sup> 51'	4 <sup>11</sup> 32'	6 <sup>11</sup> 1'	1 <sup>11</sup> 33'	4 <sup>11</sup> 31'	5 <sup>11</sup> 40'	21 <sup>11</sup> 8'	22 <sup>11</sup> 2'	19 <sup>11</sup> 30'	17 <sup>11</sup> 25'	M13
T 14	4 10 36	1 <sup>11</sup> 35'37"	5 <sup>11</sup> 47'	19 <sup>11</sup> 5'	10 <sup>11</sup> 36'	13 <sup>11</sup> 36'	4 <sup>11</sup> 31'	6 <sup>11</sup> 4'	1 <sup>11</sup> 33'	4 <sup>11</sup> 30'	5 <sup>11</sup> 41'	21 <sup>11</sup> 6'	21 <sup>11</sup> 58'	19 <sup>11</sup> 37'	17 <sup>11</sup> 23'	T 14
W15	4 14 32	2 <sup>11</sup> 36'29"	19 <sup>11</sup> 45'	20 <sup>11</sup> 31'	11 <sup>11</sup> 51'	14 <sup>11</sup> 21'	4 <sup>11</sup> 30'	6 <sup>11</sup> 7'	1 <sup>11</sup> 32'	4 <sup>11</sup> 29'	5 <sup>11</sup> 42'	21 <sup>11</sup> D 6	21 <sup>11</sup> 55'	19 <sup>11</sup> 44'	17 <sup>11</sup> 21'	W15
T 16	4 18 29	3 <sup>11</sup> 37'23"	3 <sup>11</sup> 55'	21 <sup>11</sup> 56'	13 <sup>11</sup> 7'	15 <sup>11</sup> 6'	4 <sup>11</sup> 29'	6 <sup>11</sup> 9'	1 <sup>11</sup> 31'	4 <sup>11</sup> 29'	5 <sup>11</sup> 43'	21 <sup>11</sup> 6'	21 <sup>11</sup> 52'	19 <sup>11</sup> 51'	17 <sup>11</sup> 19'	T 16
F 17	4 22 26	4 <sup>11</sup> 38'17"	18 <sup>11</sup> 11'	23 <sup>11</sup> 19'	14 <sup>11</sup> 22'	15 <sup>11</sup> 51'	4 <sup>11</sup> 28'	6 <sup>11</sup> 11'	1 <sup>11</sup> 30'	4 <sup>11</sup> 28'	5 <sup>11</sup> 44'	21 <sup>11</sup> 7'	21 <sup>11</sup> 49'	19 <sup>11</sup> 57'	17 <sup>11</sup> 18'	F 17
S 18	4 26 22	5 <sup>11</sup> 39'13"	2 <sup>11</sup> 30'	24 <sup>11</sup> 41'	15 <sup>11</sup> 37'	16 <sup>11</sup> 36'	4 <sup>11</sup> 28'	6 <sup>11</sup> 13'	1 <sup>11</sup> 29'	4 <sup>11</sup> 27'	5 <sup>11</sup> 45'	21 <sup>11</sup> 8'	21 <sup>11</sup> 46'	20 <sup>11</sup> 4'	17 <sup>11</sup> 16'	S 18
S 19	4 30 19	6 <sup>11</sup> 40'09"	16 <sup>11</sup> 48'	26 <sup>11</sup> 2'	16 <sup>11</sup> 53'	17 <sup>11</sup> 21'	4 <sup>11</sup> 28'	6 <sup>11</sup> 15'	1 <sup>11</sup> 27'	4 <sup>11</sup> 27'	5 <sup>11</sup> 46'	21 <sup>11</sup> 10'	21 <sup>11</sup> 43'	20 <sup>11</sup> 11'	17 <sup>11</sup> 14'	S 19
M20	4 34 15	7 <sup>11</sup> 41'06"	1 <sup>11</sup> 11'	27 <sup>11</sup> 21'	18 <sup>11</sup> 8'	18 <sup>11</sup> 6'	4 <sup>11</sup> D28	6 <sup>11</sup> 17'	1 <sup>11</sup> 26'	4 <sup>11</sup> 26'	5 <sup>11</sup> 47'	21 <sup>11</sup> 10'	21 <sup>11</sup> 39'	20 <sup>11</sup> 17'	17 <sup>11</sup> 13'	M20
T 21	4 38 12	8 <sup>11</sup> 42'04"	15 <sup>11</sup> 20'	28 <sup>11</sup> 39'	19 <sup>11</sup> 23'	18 <sup>11</sup> 51'	4 <sup>11</sup> 28'	6 <sup>11</sup> 19'	1 <sup>11</sup> 25'	4 <sup>11</sup> 26'	5 <sup>11</sup> 48'	21 <sup>11</sup> R10	21 <sup>11</sup> 36'	20 <sup>11</sup> 24'	17 <sup>11</sup> 11'	T 21
W22	4 42 8	9 <sup>11</sup> 43'02"	29 <sup>11</sup> 10'	29 <sup>11</sup> 54'	20 <sup>11</sup> 39'	19 <sup>11</sup> 36'	4 <sup>11</sup> 28'	6 <sup>11</sup> 21'	1 <sup>11</sup> 24'	4 <sup>11</sup> 25'	5 <sup>11</sup> 50'	21 <sup>11</sup> 10'	21 <sup>11</sup> 33'	20 <sup>11</sup> 31'	17 <sup>11</sup> 10'	W22
T 23	4 46 5	10 <sup>11</sup> 44'00"	13 <sup>11</sup> Y 1	1 <sup>11</sup> 36'	21 <sup>11</sup> 54'	20 <sup>11</sup> 21'	4 <sup>11</sup> 29'	6 <sup>11</sup> 23'	1 <sup>11</sup> 22'	4 <sup>11</sup> 25'	5 <sup>11</sup> 51'	21 <sup>11</sup> 9'	21 <sup>11</sup> 30'	20 <sup>11</sup> 38'	17 <sup>11</sup> 8'	T 23
F 24	4 50 1	11 <sup>11</sup> 45'00"	26 <sup>11</sup> 41'	2 <sup>11</sup> 15'	23 <sup>11</sup> 9'	21 <sup>11</sup> 6'	4 <sup>11</sup> 29'	6 <sup>11</sup> 24'	1 <sup>11</sup> 21'	4 <sup>11</sup> 24'	5 <sup>11</sup> 52'	21 <sup>11</sup> 7'	21 <sup>11</sup> 27'	20 <sup>11</sup> 44'	17 <sup>11</sup> 7'	F 24
S 25	4 53 58	12 <sup>11</sup> 46'00"	10 <sup>11</sup> 8 9	3 <sup>11</sup> 21'	24 <sup>11</sup> 25'	21 <sup>11</sup> 52'	4 <sup>11</sup> 30'	6 <sup>11</sup> 26'	1 <sup>11</sup> 20'	4 <sup>11</sup> 24'	5 <sup>11</sup> 53'	21 <sup>11</sup> 6'	21 <sup>11</sup> 24'	20 <sup>11</sup> 51'	17 <sup>11</sup> 5'	S 25
S 26	4 57 55	13 <sup>11</sup> 47'00"	23 <sup>11</sup> 24'	4 <sup>11</sup> 23'	25 <sup>11</sup> 40'	22 <sup>11</sup> 37'	4 <sup>11</sup> 32'	6 <sup>11</sup> 27'	1 <sup>11</sup> 18'	4 <sup>11</sup> 24'	5 <sup>11</sup> 54'	21 <sup>11</sup> 5'	21 <sup>11</sup> 20'	20 <sup>11</sup> 58'	17 <sup>11</sup> 4'	S 26
M27	5 1 51	14 <sup>11</sup> 48'02"	6 <sup>11</sup> 25'	5 <sup>11</sup> 20'	26 <sup>11</sup> 55'	23 <sup>11</sup> 22'	4 <sup>11</sup> 33'	6 <sup>11</sup> 28'	1 <sup>11</sup> 17'	4 <sup>11</sup> 23'	5 <sup>11</sup> 56'	21 <sup>11</sup> 5'	21 <sup>11</sup> 17'	21 <sup>11</sup> 4'	17 <sup>11</sup> 3'	M27
T 28	5 5 48	15 <sup>11</sup> 49'04"	19 <sup>11</sup> 11'	6 <sup>11</sup> 12'	28 <sup>11</sup> 10'	24 <sup>11</sup> 8'	4 <sup>11</sup> 35'	6 <sup>11</sup> 29'	1 <sup>11</sup> 15'	4 <sup>11</sup> 23'	5 <sup>11</sup> 57'	21 <sup>11</sup> D 4	21 <sup>11</sup> 14'	21 <sup>11</sup> 11'	17 <sup>11</sup> 2'	T 28
W29	5 9 44	16 <sup>11</sup> 50'07"	1 <sup>11</sup> 44'	6 <sup>11</sup> 58'	29 <sup>11</sup> 26'	24 <sup>11</sup> 53'	4 <sup>11</sup> 36'	6 <sup>11</sup> 30'	1 <sup>11</sup> 13'	4 <sup>11</sup> 23'	5 <sup>11</sup> 58'	21 <sup>11</sup> 4'	21 <sup>11</sup> 11'	21 <sup>11</sup> 18'	17 <sup>11</sup> 1'	W29
T 30	5 13 41	17 <sup>11</sup> 51'11"	14 <sup>11</sup> 48 4	7 <sup>11</sup> 37'	0 <sup>11</sup> 41'	25 <sup>11</sup> 39'	4 <sup>11</sup> Y38	6 <sup>11</sup> 31'	1 <sup>11</sup> 12'	4 <sup>11</sup> Y23	5 <sup>11</sup> 59'	21 <sup>11</sup> 5'	21 <sup>11</sup> 8'	21 <sup>11</sup> 24'	17 <sup>11</sup> Y 0	T 30

Delta T = 209.01 sec

Julian Calendar 1 Nov. 1536 == Greg. Calendar 11 Nov. 1536

DECEMBER 1536 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	5 17 37	18 <sup>11</sup> 52'15	26 <sup>11</sup> 12	8 <sup>11</sup> 38	1 <sup>11</sup> 56	26 <sup>11</sup> 24	4 <sup>11</sup> Y41	6 <sup>11</sup> 32	1 <sup>11</sup> R10	4 <sup>11</sup> R22	6 <sup>11</sup> 1	21 <sup>11</sup> II 5	21 <sup>11</sup> II 4	21 <sup>11</sup> 131	16 <sup>11</sup> R59	F 1
S 2	5 21 34	19 <sup>11</sup> 53'20	8 <sup>11</sup> 11	8 <sup>11</sup> 31	3 <sup>11</sup> 11	27 <sup>11</sup> 10	4 <sup>11</sup> 43	6 <sup>11</sup> 32	1 <sup>11</sup> 10 8	4 <sup>11</sup> Y22	6 <sup>11</sup> 2	21 <sup>11</sup> 5	21 <sup>11</sup> 1	21 <sup>11</sup> 38	16 <sup>11</sup> Y58	S 2
S 3	5 25 30	20 <sup>11</sup> 54'26	20 <sup>11</sup> 4	8 <sup>11</sup> 44	4 <sup>11</sup> 27	27 <sup>11</sup> 56	4 <sup>11</sup> 46	6 <sup>11</sup> 33	1 <sup>11</sup> 7	4 <sup>11</sup> 22	6 <sup>11</sup> 4	21 <sup>11</sup> R 5	20 <sup>11</sup> 58	21 <sup>11</sup> 45	16 <sup>11</sup> 57	S 3
M 4	5 29 27	21 <sup>11</sup> 55'33	1 <sup>11</sup> 55	8 <sup>11</sup> R46	5 <sup>11</sup> 42	28 <sup>11</sup> 42	4 <sup>11</sup> 48	6 <sup>11</sup> 33	1 <sup>11</sup> 5	4 <sup>11</sup> 22	6 <sup>11</sup> 5	21 <sup>11</sup> 5	20 <sup>11</sup> 55	21 <sup>11</sup> 51	16 <sup>11</sup> 56	M 4
T 5	5 33 24	22 <sup>11</sup> 56'40	13 <sup>11</sup> 48	8 <sup>11</sup> 38	6 <sup>11</sup> 57	29 <sup>11</sup> 27	4 <sup>11</sup> 51	6 <sup>11</sup> 34	1 <sup>11</sup> 3	4 <sup>11</sup> 22	6 <sup>11</sup> 6	21 <sup>11</sup> 5	20 <sup>11</sup> 52	21 <sup>11</sup> 58	16 <sup>11</sup> 55	T 5
W 6	5 37 20	23 <sup>11</sup> 57'48	25 <sup>11</sup> 48	8 <sup>11</sup> 18	8 <sup>11</sup> 13	0 <sup>11</sup> 13	4 <sup>11</sup> 55	6 <sup>11</sup> 34	1 <sup>11</sup> 1	4 <sup>11</sup> D22	6 <sup>11</sup> 8	21 <sup>11</sup> D 5	20 <sup>11</sup> 49	22 <sup>11</sup> 5	16 <sup>11</sup> 54	W 6
T 7	5 41 17	24 <sup>11</sup> 58'57	7 <sup>11</sup> 49	7 <sup>11</sup> 46	9 <sup>11</sup> 28	0 <sup>11</sup> 59	4 <sup>11</sup> 58	6 <sup>11</sup> R34	0 <sup>11</sup> 59	4 <sup>11</sup> 22	6 <sup>11</sup> 9	21 <sup>11</sup> 5	20 <sup>11</sup> 45	22 <sup>11</sup> 11	16 <sup>11</sup> 54	T 7
F 8	5 45 13	26 <sup>11</sup> 0'06	20 <sup>11</sup> 26	7 <sup>11</sup> 3	10 <sup>11</sup> 43	1 <sup>11</sup> 45	5 <sup>11</sup> 2	6 <sup>11</sup> 34	0 <sup>11</sup> 57	4 <sup>11</sup> 22	6 <sup>11</sup> 11	21 <sup>11</sup> 6	20 <sup>11</sup> 42	22 <sup>11</sup> 18	16 <sup>11</sup> 53	F 8
S 9	5 49 10	27 <sup>11</sup> 1'16	3 <sup>11</sup> 13	6 <sup>11</sup> 9	11 <sup>11</sup> 58	2 <sup>11</sup> 31	5 <sup>11</sup> 5	6 <sup>11</sup> 34	0 <sup>11</sup> 55	4 <sup>11</sup> 22	6 <sup>11</sup> 12	21 <sup>11</sup> 6	20 <sup>11</sup> 39	22 <sup>11</sup> 25	16 <sup>11</sup> 52	S 9
S 10	5 53 6	28 <sup>11</sup> 2'27	16 <sup>11</sup> 23	5 <sup>11</sup> 5	13 <sup>11</sup> 13	3 <sup>11</sup> 17	5 <sup>11</sup> 9	6 <sup>11</sup> 34	0 <sup>11</sup> 53	4 <sup>11</sup> 22	6 <sup>11</sup> 14	21 <sup>11</sup> 7	20 <sup>11</sup> 36	22 <sup>11</sup> 32	16 <sup>11</sup> 52	S 10
M11	5 57 3	29 <sup>11</sup> 3'38	29 <sup>11</sup> 57	3 <sup>11</sup> 53	14 <sup>11</sup> 29	4 <sup>11</sup> 3	5 <sup>11</sup> 14	6 <sup>11</sup> 33	0 <sup>11</sup> 51	4 <sup>11</sup> 22	6 <sup>11</sup> 15	21 <sup>11</sup> 8	20 <sup>11</sup> 33	22 <sup>11</sup> 38	16 <sup>11</sup> 51	M11
T 12	6 0 59	0 <sup>11</sup> 34'50	13 <sup>11</sup> 45	2 <sup>11</sup> 35	15 <sup>11</sup> 44	4 <sup>11</sup> 49	5 <sup>11</sup> 18	6 <sup>11</sup> 33	0 <sup>11</sup> 49	4 <sup>11</sup> 23	6 <sup>11</sup> 17	21 <sup>11</sup> 8	20 <sup>11</sup> 30	22 <sup>11</sup> 45	16 <sup>11</sup> 51	T 12
W13	6 4 56	1 <sup>11</sup> 6'01	28 <sup>11</sup> 14	1 <sup>11</sup> 14	16 <sup>11</sup> 59	5 <sup>11</sup> 35	5 <sup>11</sup> 22	6 <sup>11</sup> 32	0 <sup>11</sup> 47	4 <sup>11</sup> 23	6 <sup>11</sup> 18	21 <sup>11</sup> R 8	20 <sup>11</sup> 26	22 <sup>11</sup> 52	16 <sup>11</sup> 51	W13
T 14	6 8 53	2 <sup>11</sup> 7'14	28 <sup>11</sup> 50	29 <sup>11</sup> 45	18 <sup>11</sup> 14	6 <sup>11</sup> 21	5 <sup>11</sup> 27	6 <sup>11</sup> 32	0 <sup>11</sup> 45	4 <sup>11</sup> 23	6 <sup>11</sup> 20	21 <sup>11</sup> 7	20 <sup>11</sup> 23	22 <sup>11</sup> 58	16 <sup>11</sup> 50	T 14
F 15	6 12 49	3 <sup>11</sup> 8'26	27 <sup>11</sup> 36	28 <sup>11</sup> 32	19 <sup>11</sup> 30	7 <sup>11</sup> 7	5 <sup>11</sup> 32	6 <sup>11</sup> 31	0 <sup>11</sup> 42	4 <sup>11</sup> 23	6 <sup>11</sup> 21	21 <sup>11</sup> 6	20 <sup>11</sup> 20	23 <sup>11</sup> 5	16 <sup>11</sup> 50	F 15
S 16	6 16 46	4 <sup>11</sup> 9'38	12 <sup>11</sup> 24	27 <sup>11</sup> 17	20 <sup>11</sup> 45	7 <sup>11</sup> 54	5 <sup>11</sup> 37	6 <sup>11</sup> 30	0 <sup>11</sup> 40	4 <sup>11</sup> 24	6 <sup>11</sup> 23	21 <sup>11</sup> 5	20 <sup>11</sup> 17	23 <sup>11</sup> 12	16 <sup>11</sup> 50	S 16
S 17	6 20 42	5 <sup>11</sup> 10'49	27 <sup>11</sup> 7	26 <sup>11</sup> 9	22 <sup>11</sup> 0	8 <sup>11</sup> 40	5 <sup>11</sup> 43	6 <sup>11</sup> 29	0 <sup>11</sup> 38	4 <sup>11</sup> 24	6 <sup>11</sup> 25	21 <sup>11</sup> 3	20 <sup>11</sup> 14	23 <sup>11</sup> 18	16 <sup>11</sup> 50	S 17
M18	6 24 39	6 <sup>11</sup> 12'01	11 <sup>11</sup> 40	25 <sup>11</sup> 8	23 <sup>11</sup> 15	9 <sup>11</sup> 26	5 <sup>11</sup> 48	6 <sup>11</sup> 28	0 <sup>11</sup> 35	4 <sup>11</sup> 25	6 <sup>11</sup> 26	21 <sup>11</sup> 1	20 <sup>11</sup> 10	23 <sup>11</sup> 25	16 <sup>11</sup> D50	M18
T 19	6 28 35	7 <sup>11</sup> 13'12	25 <sup>11</sup> 56	24 <sup>11</sup> 17	24 <sup>11</sup> 30	10 <sup>11</sup> 13	5 <sup>11</sup> 54	6 <sup>11</sup> 26	0 <sup>11</sup> 33	4 <sup>11</sup> 25	6 <sup>11</sup> 28	21 <sup>11</sup> 0	20 <sup>11</sup> 7	23 <sup>11</sup> 32	16 <sup>11</sup> 50	T 19
W20	6 32 32	8 <sup>11</sup> 14'22	9 <sup>11</sup> Y55	23 <sup>11</sup> 36	25 <sup>11</sup> 45	10 <sup>11</sup> 59	6 <sup>11</sup> 0	6 <sup>11</sup> 25	0 <sup>11</sup> 31	4 <sup>11</sup> 25	6 <sup>11</sup> 29	21 <sup>11</sup> D 0	20 <sup>11</sup> 4	23 <sup>11</sup> 39	16 <sup>11</sup> 50	W20
T 21	6 36 29	9 <sup>11</sup> 15'33	23 <sup>11</sup> 36	23 <sup>11</sup> 5	27 <sup>11</sup> 0	11 <sup>11</sup> 45	6 <sup>11</sup> 6	6 <sup>11</sup> 24	0 <sup>11</sup> 28	4 <sup>11</sup> 26	6 <sup>11</sup> 31	21 <sup>11</sup> 0	20 <sup>11</sup> 1	23 <sup>11</sup> 45	16 <sup>11</sup> 50	T 21
F 22	6 40 25	10 <sup>11</sup> 16'42	6 <sup>11</sup> Y58	22 <sup>11</sup> 44	28 <sup>11</sup> 16	12 <sup>11</sup> 32	6 <sup>11</sup> 12	6 <sup>11</sup> 22	0 <sup>11</sup> 26	4 <sup>11</sup> 26	6 <sup>11</sup> 33	21 <sup>11</sup> 2	19 <sup>11</sup> 58	23 <sup>11</sup> 52	16 <sup>11</sup> 51	F 22
S 23	6 44 22	11 <sup>11</sup> 17'52	20 <sup>11</sup> 4	22 <sup>11</sup> 33	29 <sup>11</sup> 31	13 <sup>11</sup> 18	6 <sup>11</sup> 18	6 <sup>11</sup> 20	0 <sup>11</sup> 24	4 <sup>11</sup> 27	6 <sup>11</sup> 34	21 <sup>11</sup> 3	19 <sup>11</sup> 55	23 <sup>11</sup> 59	16 <sup>11</sup> 51	S 23
S 24	6 48 18	12 <sup>11</sup> 19'01	2 <sup>11</sup> II56	22 <sup>11</sup> D31	0 <sup>11</sup> 246	14 <sup>11</sup> 5	6 <sup>11</sup> 25	6 <sup>11</sup> 19	0 <sup>11</sup> 21	4 <sup>11</sup> 28	6 <sup>11</sup> 36	21 <sup>11</sup> 5	19 <sup>11</sup> 51	24 <sup>11</sup> 5	16 <sup>11</sup> 51	S 24
M25	6 52 15	13 <sup>11</sup> 20'09	15 <sup>11</sup> 34	22 <sup>11</sup> 38	2 <sup>11</sup> 1	14 <sup>11</sup> 51	6 <sup>11</sup> 31	6 <sup>11</sup> 17	0 <sup>11</sup> 19	4 <sup>11</sup> 28	6 <sup>11</sup> 38	21 <sup>11</sup> R 6	19 <sup>11</sup> 48	24 <sup>11</sup> 12	16 <sup>11</sup> 52	M25
T 26	6 56 11	14 <sup>11</sup> 21'17	28 <sup>11</sup> 1	22 <sup>11</sup> 52	3 <sup>11</sup> 16	15 <sup>11</sup> 38	6 <sup>11</sup> 38	6 <sup>11</sup> 15	0 <sup>11</sup> 16	4 <sup>11</sup> 29	6 <sup>11</sup> 40	21 <sup>11</sup> 5	19 <sup>11</sup> 45	24 <sup>11</sup> 19	16 <sup>11</sup> 52	T 26
W27	7 0 8	15 <sup>11</sup> 22'25	10 <sup>11</sup> 519	23 <sup>11</sup> 14	4 <sup>11</sup> 31	16 <sup>11</sup> 24	6 <sup>11</sup> 45	6 <sup>11</sup> 13	0 <sup>11</sup> 14	4 <sup>11</sup> 30	6 <sup>11</sup> 41	21 <sup>11</sup> 4	19 <sup>11</sup> 42	24 <sup>11</sup> 26	16 <sup>11</sup> 53	W27
T 28	7 4 4	16 <sup>11</sup> 23'32	42 <sup>11</sup> 27	23 <sup>11</sup> 42	5 <sup>11</sup> 46	17 <sup>11</sup> 11	6 <sup>11</sup> 52	6 <sup>11</sup> 11	0 <sup>11</sup> 11	4 <sup>11</sup> 30	6 <sup>11</sup> 43	21 <sup>11</sup> 1	19 <sup>11</sup> 39	24 <sup>11</sup> 32	16 <sup>11</sup> 53	T 28
F 29	7 8 1	17 <sup>11</sup> 24'39	4 <sup>11</sup> Q29	24 <sup>11</sup> 17	7 <sup>11</sup> 1	17 <sup>11</sup> 58	7 <sup>11</sup> 0	6 <sup>11</sup> 8	0 <sup>11</sup> 9	4 <sup>11</sup> 31	6 <sup>11</sup> 45	20 <sup>11</sup> 58	19 <sup>11</sup> 36	24 <sup>11</sup> 39	16 <sup>11</sup> 54	F 29
S 30	7 11 58	18 <sup>11</sup> 25'45	16 <sup>11</sup> 25	24 <sup>11</sup> 57	8 <sup>11</sup> 16	18 <sup>11</sup> 44	7 <sup>11</sup> 7	6 <sup>11</sup> 6	0 <sup>11</sup> 6	4 <sup>11</sup> 32	6 <sup>11</sup> 47	20 <sup>11</sup> 53	19 <sup>11</sup> 32	24 <sup>11</sup> 46	16 <sup>11</sup> 55	S 30
S 31	7 15 54	19 <sup>11</sup> 26'51	28 <sup>11</sup> 17	25 <sup>11</sup> 41	9 <sup>11</sup> 231	19 <sup>11</sup> 31	7 <sup>11</sup> Y15	6 <sup>11</sup> 34	0 <sup>11</sup> 10 4	4 <sup>11</sup> Y33	6 <sup>11</sup> 248	20 <sup>11</sup> II47	19 <sup>11</sup> II29	24 <sup>11</sup> 1252	16 <sup>11</sup> Y55	S 31