



Astrodienst Ephemeris Tables for the year 1541

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 1541

geocentric

JANUARY 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7 19 59	20°30'28	0°20	6°48	4°1	22°45	29°R16	26°28	19°R35	13°V26	12°47	0°R41	2°V 4	7°57	4°R 3	S 1
S 2	7 23 56	21°31'35	12°11	8°18	5° 6	23°32	29°11	26°31	19°133	13°27	12°48	0°V36	2° 1	8° 4	4°R 3	S 2
M 3	7 27 52	22°32'41	24° 7	9°46	6°12	24°19	29° 6	26°33	19°31	13°28	12°50	0°35	1°58	8°10	4°D 3	M 3
T 4	7 31 49	23°33'46	6°V14	11°11	7°17	25° 6	29° 1	26°36	19°29	13°28	12°52	0°D35	1°55	8°17	4° 3	T 4
W 5	7 35 45	24°34'50	18°36	12°33	8°23	25°53	28°55	26°38	19°26	13°29	12°53	0°R35	1°52	8°24	4° 3	W 5
T 6	7 39 42	25°35'54	18°18	13°50	9°29	26°40	28°50	26°40	19°24	13°30	12°55	0°35	1°48	8°31	4° 3	T 6
F 7	7 43 38	26°36'56	14°26	15° 3	10°35	27°27	28°44	26°42	19°22	13°31	12°57	0°33	1°45	8°37	4° 4	F 7
S 8	7 47 35	27°37'57	28° 2	16° 9	11°41	28°14	28°39	26°44	19°19	13°31	12°59	0°30	1°42	8°44	4° 4	S 8
S 9	7 51 31	28°38'58	12°II 9	17°10	12°48	29° 2	28°33	26°46	19°17	13°32	13° 0	0°23	1°39	8°51	4° 4	S 9
M10	7 55 28	29°39'57	26°45	18° 3	13°55	29°49	28°27	26°47	19°14	13°33	13° 2	0°15	1°36	8°57	4° 5	M10
T 11	7 59 25	0°40'55	11°345	18°48	15° 2	0°H36	28°20	26°49	19°12	13°34	13° 4	0° 6	1°33	9° 4	4° 5	T 11
W12	8 3 21	1°41'52	27° 1	19°24	16° 9	1°23	28°14	26°50	19°10	13°35	13° 6	29°H56	1°29	9°11	4° 6	W12
T 13	8 7 18	2°42'48	12°121	19°50	17°16	2°10	28° 8	26°52	19° 7	13°36	13° 7	29°48	1°26	9°17	4° 6	T 13
F 14	8 11 14	3°43'43	27°34	20° 7	18°24	2°57	28° 1	26°53	19° 5	13°37	13° 9	29°42	1°23	9°24	4° 7	F 14
S 15	8 15 11	4°44'37	12°131	20°R12	19°32	3°43	27°54	26°54	19° 2	13°38	13°11	29°39	1°20	9°31	4° 8	S 15
S 16	8 19 7	5°45'31	27° 5	20° 6	20°40	4°30	27°48	26°55	19° 0	13°39	13°13	29°D37	1°17	9°38	4° 8	S 16
M17	8 23 4	6°46'23	11°11	19°49	21°48	5°17	27°41	26°56	18°57	13°40	13°14	29°38	1°13	9°44	4° 9	M17
T 18	8 27 0	7°47'14	24°50	19°21	22°56	6° 4	27°34	26°57	18°54	13°41	13°16	29°39	1°10	9°51	4°10	T 18
W19	8 30 57	8°48'05	8°II 3	18°42	24° 4	6°51	27°27	26°58	18°52	13°42	13°18	29°R39	1° 7	9°58	4°11	W19
T 20	8 34 54	9°48'55	20°55	17°54	25°13	7°38	27°19	26°59	18°49	13°44	13°20	29°39	1° 4	10° 4	4°12	T 20
F 21	8 38 50	10°49'44	3°X28	16°58	26°22	8°25	27°12	26°59	18°47	13°45	13°21	29°36	1° 1	10°11	4°13	F 21
S 22	8 42 47	11°50'32	15°47	15°56	27°31	9°12	27° 5	27° 0	18°44	13°46	13°23	29°31	0°58	10°18	4°15	S 22
S 23	8 46 43	12°51'19	27°55	14°48	28°40	9°58	26°57	27° 0	18°42	13°47	13°25	29°24	0°54	10°24	4°16	S 23
M24	8 50 40	13°52'05	9°355	13°38	29°49	10°45	26°50	27° 0	18°39	13°49	13°27	29°16	0°51	10°31	4°17	M24
T 25	8 54 36	14°52'49	21°49	12°27	0°358	11°32	26°42	27° 1	18°36	13°50	13°29	29° 7	0°48	10°38	4°18	T 25
W26	8 58 33	15°53'32	3°41	11°17	2° 7	12°19	26°45	27°R 1	18°34	13°51	13°30	28°58	0°45	10°44	4°20	W26
T 27	9 2 30	16°54'14	15°31	10° 9	3°17	13° 5	26°27	27° 0	18°31	13°53	13°32	28°50	0°42	10°51	4°21	T 27
F 28	9 6 26	17°54'55	27°21	9° 6	4°26	13°52	26°19	27° 0	18°28	13°54	13°34	28°44	0°39	10°58	4°23	F 28
S 29	9 10 23	18°55'34	9°H13	8° 9	5°36	14°39	26°11	27° 0	18°26	13°56	13°36	28°40	0°35	11° 5	4°24	S 29
S 30	9 14 19	19°56'11	21° 9	7°17	6°46	15°25	26° 4	27° 0	18°23	13°57	13°38	28°38	0°32	11°11	4°26	S 30
M31	9 18 16	20°56'46	3°V12	6°34	7°355	16°H12	25°156	26°59	18°121	13°V59	13°339	28°D37	0°V29	11°18	4°28	M31

Delta T = 199.68 sec

Julian Calendar 1 Jan. 1541 == Greg. Calendar 11 Jan. 1541

FEBRUARY 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	9 22 12	21°57'20	15°V24	5°R57	9°35	16°H58	25°R48	26°R59	18°R18	14°V 0	13°41	28°H39	0°V26	11°25	4°R30	T 1
W 2	9 26 9	22°57'52	27°49	5°28	10°15	17°45	25°140	26°58	18°15	14° 2	13°43	28°40	0°23	11°31	4°31	W 2
T 3	9 30 5	23°58'23	10°H31	5° 7	11°26	18°31	25°32	26°57	18°13	14° 3	13°45	28°42	0°19	11°38	4°33	T 3
F 4	9 34 2	24°58'51	23°35	4°54	12°36	19°18	25°24	26°56	18°10	14° 5	13°46	28°R43	0°16	11°45	4°35	F 4
S 5	9 37 58	25°59'18	7°II 3	4°D47	13°46	20° 4	25°16	26°55	18° 8	14° 7	13°48	28°42	0°13	11°51	4°37	S 5
S 6	9 41 55	26°59'43	20°57	4°48	14°57	20°50	25° 8	26°54	18° 5	14° 8	13°50	28°40	0°10	11°58	4°39	S 6
M 7	9 45 52	28° 0'05	5°318	4°55	16° 7	21°37	25° 1	26°53	18° 2	14°10	13°52	28°37	0° 7	12° 5	4°41	M 7
T 8	9 49 48	29° 0'26	20° 3	5° 9	17°18	22°23	24°53	26°51	18° 0	14°12	13°53	28°33	0° 4	12°11	4°44	T 8
W 9	9 53 45	0°H 0'45	5°12	5°28	18°28	23° 9	24°45	26°50	17°57	14°13	13°55	28°28	0° 0	12°18	4°46	W 9
T 10	9 57 41	1° 1'02	20°18	5°53	19°39	23°56	24°37	26°49	17°55	14°15	13°57	28°25	29°H57	12°25	4°48	T 10
F 11	10 1 38	2° 1'17	5°130	6°22	20°50	24°42	24°29	26°47	17°52	14°17	13°59	28°22	29°54	12°31	4°50	F 11
S 12	10 5 34	3° 1'30	20°32	6°57	22° 0	25°28	24°22	26°45	17°50	14°19	14° 0	28°21	29°51	12°38	4°53	S 12
S 13	10 9 31	4° 1'41	5°15	7°35	23°11	26°14	24°14	26°43	17°47	14°21	14° 2	28°D21	29°48	12°45	4°55	S 13
M14	10 13 27	5° 1'51	19°33	8°18	24°22	27° 0	24° 6	26°42	17°45	14°22	14° 4	28°21	29°45	12°52	4°58	M14
T 15	10 17 24	6° 1'59	3°II24	9° 5	25°33	27°46	23°59	26°40	17°42	14°24	14° 5	28°23	29°41	12°58	5° 0	T 15
W16	10 21 21	7° 2'06	16°48	9°55	26°44	28°32	23°51	26°38	17°40	14°26	14° 7	28°24	29°38	13° 5	5° 3	W16
T 17	10 25 17	8° 2'11	29°47	10°48	27°56	29°18	23°43	26°35	17°37	14°28	14° 9	28°25	29°35	13°12	5° 5	T 17
F 18	10 29 14	9° 2'15	12°X24	11°44	29° 7	0°V 4	23°36	26°33	17°35	14°30	14°10	28°R26	29°32	13°18	5° 8	F 18
S 19	10 33 10	10° 2'17	24°43	12°44	0°18	0°50	23°29	26°31	17°33	14°32	14°12	28°25	29°29	13°25	5°11	S 19
S 20	10 37 7	11° 2'17	6°348	13°45	1°30	1°36	23°21	26°28	17°30	14°34	14°14	28°23	29°25	13°32	5°14	S 20
M21	10 41 3	12° 2'16	18°45	14°50	2°41	2°22	23°14	26°26	17°28	14°36	14°15	28°21	29°22	13°38	5°16	M21
T 22	10 45 0	13° 2'13	0°36	15°56	3°52	3° 7	23° 7	26°23	17°26	14°38	14°17	28°19	29°19	13°45	5°19	T 22
W23	10 48 56	14° 2'08	12°25	17° 5	5° 4	3°53	23° 0	26°20	17°23	14°40	14°18	28°16	29°16	13°52	5°22	W23
T 24	10 52 53	15° 2'01	24°15	18°16	6°15	4°39	22°53	26°18	17°21	14°42	14°20	28°14	29°13	13°58	5°25	T 24
F 25	10 56 50	16° 1'52	6°H 8	19°29	7°27	5°24	22°47	26°15	17°19	14°44	14°22	28°13	29°10	14° 5	5°28	F 25
S 26	11 0 46	17° 1'42	18° 7	20°44	8°39	6°10	22°40	26°12	17°17	14°46	14°23	28°12	29° 6	14°12	5°31	S 26
S 27	11 4 43	18° 1'29	0°V13	22° 0	9°50	6°56	22°33	26° 9	17°15	14°48	14°25	28°D12	29° 3	14°18	5°34	S 27
M28	11 8 39	19°H 1'14	12°V28	23°19	11°2	7°V41	22°127	26°16	17°12	14°V50	14°26	28°H12	29°H 0	14°25	5°37	M28

Delta T = 199.49 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1541

geocentric

MARCH 1541 JC

00:00 UT

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

Delta T = 199.32 sec

Julian Calendar 1 March 1541 == Greg. Calendar 11 March 1541

APRIL 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	13 14 49	20°34'45	13°11'59	17°05'57	19°18'33	1°38'33	20°R22	23°R56	16°R26	16°Y 1	15°≈ 6	28°R 4	27°K18	17°≈59	7°B34	F 1
S 2	13 18 46	21°33'23	27°38	20° 2	20°45	2°17	20°Q21	23°Δ52	16°Q25	16° 3	15° 7	28°K 1	27°15	18° 6	7°38	S 2
S 3	13 22 42	22°31'58	11°Q30	22° 8	21°58	3° 1	20°20	23°47	16°25	16° 5	15° 8	28° 0	27°12	18°12	7°42	S 3
M 4	13 26 39	23°30'31	25°32	24°15	23°10	3°45	20°19	23°43	16°24	16° 8	15° 8	27°D59	27° 9	18°19	7°46	M 4
T 5	13 30 35	24°29'02	9°Q43	26°22	24°23	4°28	20°19	23°38	16°24	16°10	15° 9	28° 0	27° 6	18°26	7°50	T 5
W 6	13 34 32	25°27'30	24° 3	28°30	25°35	5°12	20°18	23°34	16°23	16°12	15°10	28° 1	27° 2	18°32	7°55	W 6
T 7	13 38 28	26°25'57	8°m27	0°B38	26°48	5°56	20°D18	23°29	16°23	16°14	15°11	28° 3	26°59	18°39	7°59	T 7
F 8	13 42 25	27°24'21	22°53	2°46	28° 1	6°39	20°18	23°24	16°22	16°17	15°12	28°R 4	26°56	18°46	8° 3	F 8
S 9	13 46 21	28°22'43	7°Δ16	4°54	29°13	7°23	20°19	23°20	16°22	16°19	15°12	28° 4	26°53	18°52	8° 7	S 9
S 10	13 50 18	29°21'03	21°31	7° 1	0°Y26	8° 6	20°19	23°15	16°22	16°21	15°13	28° 2	26°50	18°59	8°11	S 10
M 11	13 54 14	0°B19	21°S34	9° 7	1°39	8°50	20°20	23°11	16°22	16°23	15°14	27°59	26°47	19° 6	8°15	M 11
T 12	13 58 11	1°17'37	19°20	11°12	2°51	9°33	20°21	23° 6	16°21	16°25	15°14	27°54	26°43	19°12	8°19	T 12
W 13	14 2 8	2°15'52	2°Δ46	13°15	4° 4	10°17	20°22	23° 2	16°21	16°28	15°15	27°49	26°40	19°19	8°24	W 13
T 14	14 6 4	3°14'05	15°51	15°16	5°17	11° 0	20°23	22°57	16°D21	16°30	15°16	27°43	26°37	19°26	8°28	T 14
F 15	14 10 1	4°12'17	28°35	17°15	6°29	11°43	20°24	22°53	16°21	16°32	15°16	27°38	26°34	19°32	8°32	F 15
S 16	14 13 57	5°10'27	11°B 1	19°11	7°42	12°26	20°26	22°49	16°21	16°34	15°17	27°34	26°31	19°39	8°36	S 16
S 17	14 17 54	6° 8'36	23°10	21° 5	8°55	13°10	20°28	22°44	16°22	16°36	15°17	27°31	26°28	19°46	8°40	S 17
M 18	14 21 50	7° 6'43	5°≈ 8	22°56	10° 7	13°53	20°30	22°40	16°22	16°39	15°18	27°D30	26°24	19°52	8°44	M 18
T 19	14 25 47	8° 4'48	17° 0	24°44	11°20	14°36	20°32	22°35	16°22	16°41	15°18	27°30	26°21	19°59	8°49	T 19
W 20	14 29 44	9° 2'52	28°49	26°29	12°33	15°19	20°34	22°31	16°22	16°43	15°19	27°32	26°18	20° 6	8°53	W 20
T 21	14 33 40	10° 0'55	10°K43	28°10	13°46	16° 2	20°37	22°27	16°23	16°45	15°19	27°33	26°15	20°12	8°57	T 21
F 22	14 37 37	10°58'56	22°44	29°48	14°59	16°45	20°39	22°23	16°23	16°47	15°20	27°R34	26°12	20°19	9° 1	F 22
S 23	14 41 33	11°56'56	4°Y58	1°H22	16°11	17°28	20°42	22°18	16°23	16°49	15°20	27°34	26° 8	20°26	9° 5	S 23
S 24	14 45 30	12°54'54	17°27	2°53	17°24	18°10	20°45	22°14	16°24	16°51	15°20	27°32	26° 5	20°32	9°10	S 24
M 25	14 49 26	13°52'51	0°B14	4°20	18°37	18°53	20°48	22°10	16°24	16°53	15°21	27°28	26° 2	20°39	9°14	M 25
T 26	14 53 23	14°50'47	13°20	5°43	19°50	19°36	20°51	22° 6	16°25	16°55	15°21	27°22	25°59	20°46	9°18	T 26
W 27	14 57 19	15°48'41	26°43	7° 2	21° 3	20°19	20°55	22° 2	16°26	16°57	15°21	27°15	25°56	20°52	9°22	W 27
T 28	15 1 16	16°46'33	10°H22	8°17	22°15	21° 1	20°59	21°58	16°26	16°59	15°21	27° 7	25°53	20°59	9°26	T 28
F 29	15 5 12	17°44'24	24°14	9°28	23°28	21°44	21° 2	21°54	16°27	17° 1	15°22	26°59	25°49	21° 6	9°30	F 29
S 30	15 9 9	18°42'13	8°B15	10°H36	24°Y41	22°B26	21°Q 6	21°Δ51	16°Q28	17°Y 3	15°≈22	26°K52	25°K46	21°≈12	9°B35	S 30

ASTRODIENST EPHEMERIS for the year 1541
geocentric

MAY 1541 JC

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Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 13 6	19°34'00"1	22°22'22"	11°39'39"	25°54'54"	23°8'9"	21°11'11"	21°R47	16°12'29"	17°57'5"	15°22'22"	26°R47	25°43'43"	21°19'19"	9°39'39"	S 1
M 2	15 17 2	20°37'47"	6°12'31"	12°38'27"	27°7'23"	23°51'21"	21°15'21"	21°A43	16°30'17"	17°7'15"	15°22'26"	26°H44	25°40'21"	21°26'9"	9°43'43"	M 2
T 3	15 20 59	21°35'31"	20°41'13"	13°32'28"	28°20'24"	24°34'21"	21°19'21"	21°39'16"	16°31'17"	17°9'15"	15°22'26"	26°D43	25°37'21"	21°32'9"	9°47'47"	T 3
W 4	15 24 55	22°33'13"	4°17'50"	14°23'29"	29°33'25"	25°16'21"	21°24'21"	21°36'16"	16°32'17"	17°11'15"	15°22'26"	26°43'25"	25°34'21"	21°39'9"	9°51'51"	W 4
T 5	15 28 52	23°30'54"	18°56'15"	9°0'46"	25°58'21"	29°29'21"	21°32'16"	16°33'17"	13°15°22'	26°44'25"	25°30'21"	46°9°55'	21°46'9"	55°55'	T 5	
F 6	15 32 48	24°28'33"	2°58'15"	50°1°58'	26°40'21"	34°21°29'	16°34'17"	15°22'26"	44°25°27'	21°52'9"	59°9°59'	F 6				
S 7	15 36 45	25°26'10"	16°55'16"	27°3°11'	27°23'21"	39°21°25'	16°35'17"	15°R22	26°43'25"	24°21°59'	10°3°3"	S 7				
S 8	15 40 41	26°23'46"	0°14'44"	17°0'4°24'	28°5'21°44'	22°22'16°36'	17°19'15°22'	26°39'25°21'	22°6'10°8'	8°S 8						
M 9	15 44 38	27°21'21"	14°23'17°27'	5°37'28°47'	21°49'21°19'	16°38'17°21'	15°22'26°32'	25°18'22°12'	10°12'M 9							
T 10	15 48 35	28°18'55"	27°50'17°50'	6°50'29°29'	21°55'21°16'	16°39'17°23'	15°22'26°23'	25°14'22°19'	10°16'T 10							
W11	15 52 31	29°16'27"	11°17'2"	18°9'8°3"	0°11'22°1"	21°12'16°41'	17°24'15°22'	26°13'25°11'	22°26'10°20'	W11						
T 12	15 56 28	0°13'58"	23°57'18°23'	9°16'0°53'	22°7'21°9'	16°42'17°26'	15°22'26°2"	25°8'22°32'	10°24'T 12							
F 13	16 0 24	1°11'29"	6°35'18°32'	10°29'1°34'	22°13'21°6'	16°43'17°28'	15°22'25°52'	25°5'22°39'	10°28'F 13							
S 14	16 4 21	2°8'58"	18°57'18°R36'	11°42'2°16'	22°19'21°4'	16°45'17°30'	15°22'25°43'	25°2'22°46'	10°32'S 14							
S 15	16 8 17	3°6'26"	1°5'18°36'	12°55'2°58'	22°25'21°1'	16°47'17°31'	15°21'25°36'	24°59'22°52'	10°36'S 15							
M16	16 12 14	4°3'54"	13°2'18°31'	14°8'3°40'	22°31'20°58'	16°48'17°33'	15°21'25°32'	24°55'22°59'	10°40'M16							
T 17	16 16 11	5°1'21"	24°53'18°22'	15°21'4°21'	22°38'20°55'	16°50'17°35'	15°21'25°30'	24°52'23°6'	10°44'T 17							
W18	16 20 7	5°58'47"	6°43'18°9'	16°34'5°3"	22°45'20°53'	16°52'17°36'	15°21'25°D29'	24°49'23°12'	10°47'W18							
T 19	16 24 4	6°56'12"	18°36'17°52'	17°47'5°45'	22°51'20°50'	16°53'17°38'	15°20'25°29'	24°46'23°19'	10°51'T 19							
F 20	16 28 0	7°53'37"	0°39'17°31'	19°0'6°26'	22°58'20°48'	16°55'17°40'	15°20'25°R29'	24°43'23°26'	10°55'F 20							
S 21	16 31 57	8°51'01"	12°56'17°7'	20°13'7°8'	23°5'23°46'	16°57'17°41'	15°20'25°28'	24°40'23°32'	10°59'S 21							
S 22	16 35 53	9°48'24"	25°32'16°40'	21°26'7°49'	23°13'20°43'	16°59'17°43'	15°19'25°25'	24°36'23°39'	11°3'S 22							
M23	16 39 50	10°45'47"	8°29'16°11'	22°39'8°31'	23°20'20°41'	17°1'17°44'	15°19'25°19'	24°33'23°46'	11°7'M23							
T 24	16 43 46	11°43'09"	21°50'15°40'	23°52'9°12'	23°28'20°39'	17°3'17°46'	15°19'25°11'	24°30'23°52'	11°10'T 24							
W25	16 47 43	12°40'30"	5°34'15°7'	25°5'9°53'	23°35'20°37'	17°5'17°47'	15°18'25°0'	24°27'23°59'	11°14'W25							
T 26	16 51 40	13°37'51"	19°37'14°34'	26°18'10°35'	23°43'20°35'	17°7'17°49'	15°18'24°49'	24°24'24°6'	11°18'T 26							
F 27	16 55 36	14°35'11"	3°55'14°0'	27°32'11°16'	23°51'20°34'	17°9'17°50'	15°17'24°38'	24°20'24°12'	11°22'F 27							
S 28	16 59 33	15°32'31"	18°22'13°27'	28°45'11°57'	23°59'20°32'	17°11'17°52'	15°17'24°28'	24°17'24°19'	11°25'S 28							
S 29	17 3 29	16°29'49"	2°52'12°54'	29°58'12°38'	24°7'20°30'	17°14'17°53'	15°16'24°20'	24°14'24°26'	11°29'S 29							
M30	17 7 26	17°27'07"	17°18'12°23'	1°11'13°19'	24°15'20°29'	17°16'17°54'	15°16'24°16'	24°11'24°32'	11°33'M30							
T 31	17 11 22	18°24'23"	1°38'11°54'	2°24'14°11'	24°12'24°19'	17°56'15°15'	24°13'24°8'	24°39'11°36'	11°36'T 31							

Delta T = 198.94 sec Julian Calendar 1 May 1541 == Greg. Calendar 11 May 1541

JUNE 1541 JC

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Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	17 15 19	19°21'39"	15°47'11°R27'	3°37'14°11'	24°12'20°R26'	17°12'17°57'	15°R14	24°R13	24°H5	24°46'11°840'	W 1					
T 2	17 19 15	20°18'54"	29°46'11°H3	4°51'15°22'	24°40'20°A25'	17°23'17°58'	15°14'24°H13	24°1'24°52'	11°43'T 2							
F 3	17 23 12	21°16'08"	13°34'10°43'	6°4'16°3	24°49'20°24'	17°25'18°0	15°13'24°12	23°58'24°59'	11°47'F 3							
S 4	17 27 9	22°13'21"	27°11'10°26'	7°17'16°44'	24°58'20°23'	17°28'18°1	15°12'24°9	23°55'25°6'	11°50'S 4							
S 5	17 31 5	23°10'34"	10°38'10°13'	8°30'17°25'	25°7'20°22'	17°30'18°2	15°12'24°4	23°52'25°12'	11°54'S 5							
M 6	17 35 2	24°7'46"	23°54'10°5'	9°43'18°6'	25°15'20°21'	17°33'18°3	15°11'23°56'	23°49'25°19'	11°57'M 6							
T 7	17 38 58	25°4'57"	6°58'10°D0	10°57'18°46'	25°25'20°20'	17°35'18°4	15°10'23°45'	23°46'25°26'	12°0'T 7							
W 8	17 42 55	26°2'09"	19°51'10°1	12°10'19°27'	25°34'20°20'	17°38'18°5	15°9'23°33'	23°42'25°32'	12°4'W 8							
T 9	17 46 51	26°59'19"	2°30'10°6'	13°23'20°8'	25°43'20°19'	17°41'18°6	15°9'23°20'	23°39'25°39'	12°7'T 9							
F 10	17 50 48	27°56'30"	14°56'10°15'	14°36'20°48'	25°52'20°19'	17°43'18°8	15°8'23°8	23°36'25°46'	12°10'F 10							
S 11	17 54 45	28°53'41"	27°10'10°30'	15°50'21°29'	26°2'20°18'	17°46'18°9	15°7'22°57'	23°33'25°52'	12°13'S 11							
S 12	17 58 41	29°50'51"	9°13'10°49'	17°3'22°9'	26°11'20°18'	17°49'18°10	15°6'22°48'	23°30'25°59'	12°16'S 12							
M13	18 2 38	0°48'01"	21°7'11°13'	18°16'22°50'	26°21'20°18'	17°52'18°11	15°5'22°49'	23°26'26°6'	12°20'M13							
T 14	18 6 34	1°45'12"	2°56'11°42'	19°30'23°30'	26°31'20°D18'	17°54'18°11	15°4'22°39'	23°23'26°12'	12°23'T 14							
W15	18 10 31	2°42'22"	14°44'12°16'	20°43'24°11'	26°41'20°18'	17°57'18°12	15°4'22°37'	23°20'26°19'	12°26'W15							
T 16	18 14 27	3°39'33"	26°37'12°54'	21°57'24°51'	26°51'20°18'	18°0'18°13	15°3'22°D37'	23°17'26°26'	12°29'T 16							
F 17	18 18 24	4°36'43"	8°39'13°38'	23°10'25°31'	27°1'20°18'	18°3'18°14	15°2'22°R37'	23°14'26°32'	12°32'F 17							
S 18	18 22 20	5°33'54"	20°56'14°25'	24°23'26°12'	27°11'20°19'	18°6'18°15	15°1'22°36'	23°11'26°39'	12°35'S 18							
S 19	18 26 17	6°31'06"	3°32'15°18'	25°37'26°52'	27°21'20°19'	18°9'18°16	15°0'22°34'	23°7'26°46'	12°37'S 19							
M20	18 30 13	7°28'17"	16°33'16°14'	26°50'27°32'	27°31'20°20'	18°12'18°16	14°59'22°29'	23°4'26°52'	12°40'M20							
T 21	18 34 10	8°25'29"	0°11'17°16'	28°4'28°12'	27°42'20°20'	18°15'18°17	14°58'22°21'	23°1'26°59'	12°43'T 21							
W22	18 38 7	9°22'42"	13°56'18°21'	29°17'28°52'	27°52'20°21'	18°18'18°18	14°57'22°12'	22°58'27°6'	12°46'W22							
T 23	18 42 3	10°19'55"	28°15'19°31'	0°31'29°32'	28°3'20°22'	18°21'18°18	14°56'22°2	22°55'27°12'	12°49'T 23							
F 24	18 46 0	11°17'08"	12°53'20°45'	1°45'0°12'	28°13'20°23'	18°24'18°19	14°55'21°51'	22°52'27°19'	12°51'F 24							
S 25	18 49 56	12°14'21"	27°43'22°4	2°58'0°52'	28°24'20°24'	18°28'18°20	14°54'21°42'	22°48'27°26'	12°54'S 25							
S 26	18 53 53	13°11'34"	12°36'23°26'	4°12'1°32'	28°35'20°25'	18°31'18°20	14°53'21°35'	22°45'27°32'	12°56'S 26							
M27	18 57 49	14°8'48"	27°23'24°53'	5°25'2°12'	28°46'20°26'	18°34'18°21	14°51'21°31'	22°42'27°39'	12°59'M27							
T 28	19 1 46	15°6'01"	12°0'26°24'	6°39'2°52'	28°57'20°28'	18°37'18°21	14°50'21°29'	22°39'27°46'	13°1'T 28							
W29	19 5 43	16°3'14"	26°21'27°58'	7°53'3°32'	29°8'20°29'	18°41'18°22	14°49'21°D28'	22°36'27°52'	13°4'W29							
T 30	19 9 39	17°0'28"	10°23'29°11'	9°56'4°12'	29°19'20°31'	18°44'18°22	14°48'21°R29'	22°32'27°59'	13°6'T 30							

Delta T = 198.75 sec Julian Calendar

ASTRODIENST EPHEMERIS for the year 1541

geocentric

JULY 1541 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	19 13 36	17 ⁵⁵ 41	24 ⁴⁸ 8	19 ¹⁸ 8	10 ⁵² 20	4 ⁵² 52	29 ⁴⁰ 30	20 ⁴² 32	18 ⁴⁷ 47	18 ²³ 23	14 ⁴⁵ 47	21 ²⁴ 29	22 ²³ 29	28 ¹⁹ 6	13 ¹⁸ 8	F 1
S 2	19 17 32	18 ⁵⁴ 55	7 ¹¹ 36	3° 4	11°34	5°31	29°41	20°34	18°51	18°23	14 ⁴⁴ 46	21 ²⁴ 27	22°26	28°12	13°11	S 2
S 3	19 21 29	19°52'09	20°49	4°52	12°47	6°11	29°52	20°36	18°54	18°23	14°45	21°24	22°23	28°19	13°13	S 3
M 4	19 25 25	20°49'24	3 ⁴⁷ 47	6°44	14° 1	6°51	0 ¹¹ 4	20°38	18°57	18°24	14°43	21°17	22°20	28°26	13°15	M 4
T 5	19 29 22	21°46'38	16°33	8°38	15°15	7°30	0°15	20°40	19° 1	18°24	14°42	21° 9	22°17	28°32	13°17	T 5
W 6	19 33 18	22°43'53	29° 7	10°35	16°28	8°10	0°26	20°42	19° 4	18°24	14°41	20°59	22°13	28°39	13°19	W 6
T 7	19 37 15	23°41'09	11 ³² 29	12°35	17°42	8°49	0°38	20°44	19° 8	18°24	14°40	20°49	22°10	28°46	13°21	T 7
F 8	19 41 12	24°38'25	23°42	14°36	18°56	9°29	0°49	20°46	19°11	18°24	14°39	20°39	22° 7	28°52	13°23	F 8
S 9	19 45 8	25°35'42	5 ⁴⁶ 46	16°39	20°10	10° 8	1° 1	20°49	19°15	18°25	14°37	20°30	22° 4	28°59	13°25	S 9
S 10	19 49 5	26°32'59	17°42	18°43	21°24	10°48	1°13	20°51	19°18	18°25	14°36	20°23	22° 1	29° 6	13°27	S 10
M 11	19 53 1	27°30'18	29°32	20°49	22°37	11°27	1°25	20°54	19°22	18°25	14°35	20°19	21°58	29°12	13°29	M 11
T 12	19 56 58	28°27'37	11 ¹⁹ 19	22°54	23°51	12° 6	1°36	20°56	19°25	18°25	14°34	20°17	21°54	29°19	13°31	T 12
W 13	20 0 54	29°24'57	23° 7	25° 1	25° 5	12°46	1°48	20°59	19°29	18°R25	14°32	20°D16	21°51	29°26	13°32	W 13
T 14	20 4 51	0 ²² 18	5 ¹⁹ 0	27° 7	26°19	13°25	2° 0	21° 2	19°32	18°25	14°31	20°17	21°48	29°32	13°34	T 14
F 15	20 8 47	1°19'40	17° 1	29°13	27°33	14° 4	2°12	21° 5	19°36	18°25	14°30	20°18	21°45	29°39	13°36	F 15
S 16	20 12 44	2°17'03	29°17	1 ¹⁹ 19	28°47	14°43	2°24	21° 8	19°39	18°25	14°28	20°R19	21°42	29°45	13°37	S 16
S 17	20 16 41	3°14'28	11 ⁵² 52	3°24	0 ¹ 1	15°22	2°36	21°11	19°43	18°24	14°27	20°19	21°38	29°52	13°39	S 17
M 18	20 20 37	4°11'54	24°50	5°28	1°15	16° 2	2°48	21°14	19°47	18°24	14°26	20°17	21°35	29°59	13°40	M 18
T 19	20 24 34	5° 9'21	8 ¹⁶ 16	7°31	2°29	16°41	3° 0	21°17	19°50	18°24	14°24	20°13	21°32	0 ⁵ 5	13°41	T 19
W 20	20 28 30	6° 6'49	22°11	9°33	3°43	17°20	3°13	21°21	19°54	18°24	14°23	20° 7	21°29	0°12	13°43	W 20
T 21	20 32 27	7° 4'19	6 ³² 32	11°34	4°57	17°59	3°25	21°24	19°58	18°24	14°22	20° 1	21°26	0°19	13°44	T 21
F 22	20 36 23	8° 1'50	21°18	13°34	6°11	18°38	3°37	21°28	20° 1	18°23	14°20	19°55	21°23	0°25	13°45	F 22
S 23	20 40 20	8°59'22	6 ¹⁹ 19	15°32	7°25	19°17	3°49	21°31	20° 5	18°23	14°19	19°49	21°19	0°32	13°46	S 23
S 24	20 44 17	9°56'55	21°28	17°29	8°39	19°56	4° 2	21°35	20° 9	18°23	14°18	19°45	21°16	0°39	13°47	S 24
M 25	20 48 13	10°54'29	6 ¹³ 33	19°24	9°53	20°35	4°14	21°39	20°12	18°22	14°16	19°43	21°13	0°45	13°48	M 25
T 26	20 52 10	11°52'04	21°28	21°18	11° 8	21°13	4°27	21°43	20°16	18°22	14°15	19°D42	21°10	0°52	13°49	T 26
W 27	20 56 6	12°49'40	6 ⁵ 5	23°10	12°22	21°52	4°39	21°46	20°20	18°21	14°14	19°43	21° 7	0°59	13°50	W 27
T 28	21 0 3	13°47'17	20°20	25° 1	13°36	22°31	4°52	21°50	20°24	18°21	14°12	19°44	21° 4	1° 5	13°51	T 28
F 29	21 3 59	14°44'55	4 ¹¹ 11	26°51	14°50	23°10	5° 4	21°55	20°27	18°20	14°11	19°45	21° 0	1°12	13°51	F 29
S 30	21 7 56	15°42'34	17°40	28°39	16° 4	23°48	5°17	21°59	20°31	18°20	14°10	19°R46	20°57	1°19	13°52	S 30
S 31	21 11 52	16 ⁴⁰ 14	0 ⁴⁷ 47	0 ²⁵ 25	17 ¹⁹ 19	24 ²⁷ 27	5 ²⁹ 29	22 ⁴ 3	20 ³⁵ 35	18 ¹⁹ 19	14 ⁸ 8	19 ⁴⁵ 45	20 ⁵⁴ 54	1 ¹²⁵ 25	13 ⁵³ 53	S 31

Delta T = 198.57 sec

Julian Calendar 1 July 1541 == Greg. Calendar 11 July 1541

AUGUST 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	21 15 49	17 ⁵³ 37	13 ³⁷ 37	2 ¹⁰ 10	18 ³³ 33	25 ⁴⁶ 6	5 ¹¹ 42	22 ⁴ 7	20 ³⁹ 39	18°R19	14°R 7	19°R42	20 ⁵¹ 51	1 ³³² 32	13 ⁵³ 53	M 1
T 2	21 19 45	18°35'37	26°10	3°54	19°47	25°44	5°55	22°12	20°42	18°Y18	14 ⁶ 6	19 ³⁹ 39	20°48	1°39	13°54	T 2
W 3	21 23 42	19°33'20	8 ³¹ 31	5°36	21° 1	26°23	6° 7	22°16	20°46	18°17	14° 4	19°34	20°44	1°45	13°54	W 3
T 4	21 27 39	20°31'05	20°40	7°17	22°16	27° 1	6°20	22°21	20°50	18°17	14° 3	19°29	20°41	1°52	13°55	T 4
F 5	21 31 35	21°28'51	2 ⁴² 42	8°56	23°30	27°40	6°33	22°25	20°54	18°16	14° 2	19°24	20°38	1°59	13°55	F 5
S 6	21 35 32	22°26'38	14°37	10°34	24°44	28°18	6°45	22°30	20°57	18°15	14° 1	19°20	20°35	2° 5	13°55	S 6
S 7	21 39 28	23°24'26	26°27	12°10	25°58	28°57	6°58	22°35	21° 1	18°14	13°59	19°17	20°32	2°12	13°55	S 7
M 8	21 43 25	24°22'16	8 ¹⁵ 15	13°46	27°13	29°35	7°11	22°39	21° 5	18°14	13°58	19°15	20°29	2°19	13°56	M 8
T 9	21 47 21	25°20'08	20° 3	15°19	28°27	0 ¹⁴ 14	7°24	22°44	21° 8	18°13	13°57	19°D15	20°25	2°25	13°56	T 9
W 10	21 51 18	26°18'01	1 ⁵⁴ 54	16°52	29°41	0°52	7°37	22°49	21°12	18°12	13°55	19°15	20°22	2°32	13°R56	W 10
T 11	21 55 14	27°15'56	13°49	18°23	0 ⁵⁶ 56	1°30	7°50	22°54	21°16	18°11	13°54	19°17	20°19	2°38	13°56	T 11
F 12	21 59 11	28°13'53	25°54	19°53	2°10	2° 9	8° 2	22°59	21°20	18°10	13°53	19°18	20°16	2°45	13°55	F 12
S 13	22 3 8	29°11'51	8 ¹² 12	21°21	3°25	2°47	8°15	23° 4	21°23	18° 9	13°51	19°20	20°13	2°52	13°55	S 13
S 14	22 7 4	0 ¹¹ 11	0 ⁹ 52	20°46	22°48	4°39	3°25	8°28	23°10	21°27	18° 8	13°50	19°21	2° 9	2°58	S 14
M 15	22 11 1	1° 7'54	3 ⁴² 42	24°13	5°53	4° 3	8°41	23°15	21°31	18° 7	13°49	19°R21	20° 6	3° 5	13°55	M 15
T 16	22 14 57	2° 5'59	17° 2	25°37	7° 8	4°41	8°54	23°20	21°35	18° 6	13°48	19°20	20° 3	3°12	13°54	T 16
W 17	22 18 54	3° 4'05	0 ⁴⁸ 48	27° 0	8°22	5°20	9° 7	23°26	21°38	18° 5	13°46	19°19	20° 0	3°18	13°54	W 17
T 18	22 22 50	4° 2'14	15° 1	28°21	9°37	5°58	9°20	23°31	21°42	18° 4	13°45	19°17	19°57	3°25	13°53	T 18
F 19	22 26 47	5° 0'24	29°39	29°41	10°51	6°36	9°33	23°37	21°46	18° 3	13°44	19°16	19°54	3°32	13°53	F 19
S 20	22 30 43	5°58'36	14 ³⁶ 36	0 ⁵⁹ 59	12° 6	7°14	9°46	23°42	21°49	18° 2	13°43	19°14	19°50	3°38	13°52	S 20
S 21	22 34 40	6°56'51	29°46	2°15	13°20	7°52	9°59	23°48	21°53	18° 1	13°41	19°13	19°47	3°45	13°52	S 21
M 22	22 38 37	7°55'06	14 ⁵⁸ 58	3°30	14°35	8°30	10°12	23°54	21°57	17°59	13°40	19°D12	19°44	3°52	13°51	M 22
T 23	22 42 33	8°53'24	0 ³ 3	4°43	15°49	9° 8	10°25	23°59	22° 0	17°58	13°39	19°13	19°41	3°58	13°50	T 23
W 24	22 46 30	9°51'43	14°53	5°54	17° 4	9°46	10°38	24° 5	22° 4	17°57	13°38	19°13	19°38	4° 5	13°49	W 24
T 25	22 50 26	10°50'04	29°21	7° 4	18°18	10°24	10°51	24°11	22° 7	17°56	13°37	19°14	19°35	4°12	13°48	T 25
F 26	22 54 23	11°48'27	13 ²⁴ 24	8°11	19°33	11° 1	11° 4	24°17	22°11	17°54	13°36	19°15	19°31	4°18	13°47	F 26
S 27	22 58 19	12°46'51	27° 0	9°16	20°47	11°39	11°17	24°23	22°15	17°53	13°34	19°15	19°28	4°25	13°46	S 27
S 28	23 2 16	13°45'17	10 ¹¹ 11	10°19	22° 2	12°17	11°30	24°29	22°18	17°52	13°33	19°R15	19°25	4°32	13°45	S 28
M 29	23 6 12	14°43'44	22°59	11°20	23°16	12°55	11°43	24°35	22°22	17°51	13°32	19°15	19°22	4°38	13°44	M 29
T 30	23 10 9	15°42'14	5 ²⁸ 28	12°17	24°31	13°32	11°56	24°41	22°25	17°49	13°31	19°15	19°19	4°45	13°43	T 30
W 31	23 14 6	16 ⁴⁰ 44	17 ³⁴ 34	13 ⁴³ 43	25 ⁴⁶ 46	14 ¹⁰ 10	12 ¹¹ 11	24 ⁴⁷ 47	22 ²⁹ 29	17 ⁴⁸ 48	13 ³⁰ 30	19 ¹⁵ 15	19 ¹⁵ 15	4 ⁴⁵ 45	13 ⁴¹ 41	W 31

Delta T = 198.38 sec

Julian Calendar

ASTRODIENST EPHEMERIS for the year 1541

geocentric

SEPTEMBER 1541 JC

00:00 UT

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

Delta T = 198.19 sec

Julian Calendar 1 Sept. 1541 == Greg. Calendar 11 Sept. 1541

OCTOBER 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	1 16 19	17 [♏] 11°28	2 [♈] 1	4 [♈] R 4	4 [♏] 19	3 [♏] 22	18 [♏] 42	28 [♏] 16	24 [♏] 5	16 [♈] R59	13 [♈] R 6	19 [♈] 5	17 [♈] 37	8 [♈] 18	12 [♈] R36	S 1
S 2	1 20 15	18°11'03	13°50	3 [♏] 48	5°33	3°59	18°54	28°23	24° 7	16 [♈] Y57	13 [♏] 6	19°R 6	17°34	8°24	12 [♈] R33	S 2
M 3	1 24 12	19°10'40	25°42	3°D44	6°48	4°35	19° 6	28°30	24°10	16°56	13° 5	19° 6	17°31	8°31	12°30	M 3
T 4	1 28 8	20°10'19	7 [♈] 41	3°50	8° 3	5°12	19°18	28°37	24°12	16°54	13° 5	19° 4	17°27	8°38	12°27	T 4
W 5	1 32 5	21° 9'59	19°49	4° 7	9°17	5°48	19°30	28°45	24°15	16°52	13° 4	19° 1	17°24	8°44	12°25	W 5
T 6	1 36 1	22° 9'42	2 [♈] 8	4°34	10°32	6°25	19°42	28°52	24°17	16°51	13° 4	18°56	17°21	8°51	12°22	T 6
F 7	1 39 58	23° 9'27	14°39	5°11	11°46	7° 1	19°54	28°59	24°20	16°49	13° 4	18°51	17°18	8°57	12°19	F 7
S 8	1 43 55	24° 9'14	27°22	5°56	13° 1	7°38	20° 6	29° 6	24°22	16°47	13° 4	18°45	17°15	9° 4	12°16	S 8
S 9	1 47 51	25° 9'04	10 [♏] 18	6°49	14°16	8°14	20°18	29°13	24°24	16°46	13° 3	18°39	17°12	9°11	12°13	S 9
M10	1 51 48	26° 8'55	23°27	7°49	15°30	8°50	20°29	29°21	24°26	16°44	13° 3	18°33	17° 8	9°17	12°10	M10
T 11	1 55 44	27° 8'49	6 [♏] 50	8°55	16°45	9°27	20°41	29°28	24°29	16°42	13° 3	18°30	17° 5	9°24	12° 7	T 11
W12	1 59 41	28° 8'45	20°27	10° 7	17°59	10° 3	20°53	29°35	24°31	16°41	13° 3	18°28	17° 2	9°31	12° 4	W12
T 13	2 3 37	29° 8'43	4 [♏] 18	11°23	19°14	10°39	21° 4	29°42	24°33	16°39	13° 3	18°D28	16°59	9°37	12° 1	T 13
F 14	2 7 34	0 [♏] 8'43	18°24	12°43	20°28	11°15	21°16	29°49	24°35	16°37	13° 3	18°29	16°56	9°44	11°58	F 14
S 15	2 11 31	1° 8'46	2 [♏] 44	14° 7	21°43	11°51	21°27	29°57	24°37	16°36	13° 2	18°30	16°52	9°51	11°54	S 15
S 16	2 15 27	2° 8'51	17°15	15°33	22°58	12°27	21°38	0 [♏] 4	24°39	16°34	13° 2	18°R31	16°49	9°57	11°51	S 16
M17	2 19 24	3° 8'57	1 [♏] 54	17° 2	24°12	13° 3	21°49	0°11	24°41	16°32	13°D 2	18°30	16°46	10° 4	11°48	M17
T 18	2 23 20	4° 9'06	16°35	18°32	25°27	13°39	22° 1	0°18	24°43	16°31	13° 2	18°27	16°43	10°11	11°45	T 18
W19	2 27 17	5° 9'17	1 [♏] 12	20° 4	26°41	14°15	22°12	0°25	24°44	16°29	13° 2	18°22	16°40	10°17	11°42	W19
T 20	2 31 13	6° 9'30	15°37	21°38	27°56	14°51	22°23	0°33	24°46	16°28	13° 2	18°15	16°37	10°24	11°39	T 20
F 21	2 35 10	7° 9'44	29°45	23°12	29°11	15°27	22°34	0°40	24°48	16°26	13° 3	18° 7	16°33	10°30	11°35	F 21
S 22	2 39 6	8°10'00	13 [♏] 30	24°47	0 [♏] 25	16° 3	22°45	0°47	24°50	16°25	13° 3	17°58	16°30	10°37	11°32	S 22
S 23	2 43 3	9°10'18	26°50	26°23	1°40	16°38	22°55	0°54	24°51	16°23	13° 3	17°51	16°27	10°44	11°29	S 23
M24	2 47 0	10°10'38	9 [♏] 45	27°59	2°54	17°14	23° 6	1° 1	24°53	16°22	13° 3	17°44	16°24	10°50	11°26	M24
T 25	2 50 56	11°10'58	22°18	29°35	4° 9	17°50	23°17	1° 8	24°54	16°20	13° 3	17°40	16°21	10°57	11°23	T 25
W26	2 54 53	12°11'21	4 [♏] 32	1 [♏] 12	5°23	18°25	23°27	1°16	24°56	16°19	13° 3	17°38	16°18	11° 4	11°19	W26
T 27	2 58 49	13°11'44	16°32	2°49	6°38	19° 1	23°38	1°23	24°57	16°17	13° 4	17°D38	16°14	11°10	11°16	T 27
F 28	3 2 46	14°12'09	28°23	4°25	7°52	19°36	23°48	1°30	24°58	16°16	13° 4	17°39	16°11	11°17	11°13	F 28
S 29	3 6 42	15°12'36	10 [♏] 10	6° 2	9° 7	20°12	23°58	1°37	25° 0	16°14	13° 4	17°40	16° 8	11°24	11°10	S 29
S 30	3 10 39	16°13'03	21°59	7°39	10°21	20°47	24° 9	1°44	25° 1	16°13	13° 5	17°R40	16° 5	11°30	11° 7	S 30
M31	3 14 35	17 [♏] 13°32	3 [♈] Y55	9 [♏] 15	11 [♏] 36	21 [♏] 23	24 [♏] 19	1 [♏] 51	25 [♏] 2	16°Y12	13 [♏] 5	17 [♈] 38	16 [♈] 2	11 [♈] 37	11 [♈] 4	M31

ASTRODIENST EPHEMERIS for the year 1541

geocentric

NOVEMBER 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	3 18 32	18 ¹⁴ 03	16 ¹⁴ 03	10 ¹⁴ 52	12 ¹⁴ 50	21 ¹⁴ 58	24 ¹⁴ 29	1 ¹⁴ 58	25 ¹⁴ 03	16 ¹⁴ R10	13 ¹⁴ 55	17 ¹⁴ R34	15 ¹⁴ 58	11 ¹⁴ 44	11 ¹⁴ R 0	T 1
W 2	3 22 28	19 ¹⁴ 35	28 ¹⁴ 20	12 ¹⁴ 28	14 ¹⁴ 5	22 ¹⁴ 33	24 ¹⁴ 39	2 ¹⁴ 5	25 ¹⁴ 4	16 ¹⁴ 9	13 ¹⁴ 6	17 ¹⁴ 28	15 ¹⁴ 55	11 ¹⁴ 50	10 ¹⁴ 57	W 2
T 3	3 26 25	20 ¹⁴ 08	10 ¹⁴ 55	14 ¹⁴ 4	15 ¹⁴ 19	23 ¹⁴ 8	24 ¹⁴ 48	2 ¹⁴ 12	25 ¹⁴ 5	16 ¹⁴ 7	13 ¹⁴ 6	17 ¹⁴ 19	15 ¹⁴ 52	11 ¹⁴ 57	10 ¹⁴ 54	T 3
F 4	3 30 22	21 ¹⁴ 53	23 ¹⁴ 46	15 ¹⁴ 40	16 ¹⁴ 34	23 ¹⁴ 43	24 ¹⁴ 58	2 ¹⁴ 19	25 ¹⁴ 6	16 ¹⁴ 6	13 ¹⁴ 7	17 ¹⁴ 8	15 ¹⁴ 49	12 ¹⁴ 4	10 ¹⁴ 51	F 4
S 5	3 34 18	22 ¹⁴ 16	20 ¹⁴ 20	17 ¹⁴ 15	17 ¹⁴ 48	24 ¹⁴ 19	25 ¹⁴ 8	2 ¹⁴ 26	25 ¹⁴ 7	16 ¹⁴ 5	13 ¹⁴ 7	16 ¹⁴ 56	15 ¹⁴ 46	12 ¹⁴ 10	10 ¹⁴ 48	S 5
S 6	3 38 15	23 ¹⁴ 16	20 ¹⁴ 10	18 ¹⁴ 51	19 ¹⁴ 3	24 ¹⁴ 54	25 ¹⁴ 17	2 ¹⁴ 33	25 ¹⁴ 8	16 ¹⁴ 4	13 ¹⁴ 8	16 ¹⁴ 45	15 ¹⁴ 43	12 ¹⁴ 17	10 ¹⁴ 45	S 6
M 7	3 42 11	24 ¹⁴ 17	3 ¹⁴ 41	20 ¹⁴ 26	20 ¹⁴ 17	25 ¹⁴ 29	25 ¹⁴ 27	2 ¹⁴ 40	25 ¹⁴ 9	16 ¹⁴ 2	13 ¹⁴ 8	16 ¹⁴ 35	15 ¹⁴ 39	12 ¹⁴ 23	10 ¹⁴ 42	M 7
T 8	3 46 8	25 ¹⁴ 18	17 ¹⁴ 22	22 ¹⁴ 1	21 ¹⁴ 31	26 ¹⁴ 3	25 ¹⁴ 36	2 ¹⁴ 47	25 ¹⁴ 10	16 ¹⁴ 1	13 ¹⁴ 9	16 ¹⁴ 27	15 ¹⁴ 36	12 ¹⁴ 30	10 ¹⁴ 39	T 8
W 9	3 50 4	26 ¹⁴ 19	1 ¹⁴ 10	23 ¹⁴ 36	22 ¹⁴ 46	26 ¹⁴ 38	25 ¹⁴ 45	2 ¹⁴ 54	25 ¹⁴ 11	16 ¹⁴ 0	13 ¹⁴ 9	16 ¹⁴ 22	15 ¹⁴ 33	12 ¹⁴ 37	10 ¹⁴ 35	W 9
T 10	3 54 1	27 ¹⁴ 19	15 ¹⁴ 5	25 ¹⁴ 11	24 ¹⁴ 0	27 ¹⁴ 13	25 ¹⁴ 54	3 ¹⁴ 0	25 ¹⁴ 11	15 ¹⁴ 59	13 ¹⁴ 10	16 ¹⁴ 19	15 ¹⁴ 30	12 ¹⁴ 43	10 ¹⁴ 32	T 10
F 11	3 57 58	28 ¹⁴ 20	29 ¹⁴ 6	26 ¹⁴ 46	25 ¹⁴ 15	27 ¹⁴ 48	26 ¹⁴ 3	3 ¹⁴ 7	25 ¹⁴ 12	15 ¹⁴ 58	13 ¹⁴ 11	16 ¹⁴ D19	15 ¹⁴ 27	12 ¹⁴ 50	10 ¹⁴ 29	F 11
S 12	4 1 54	29 ¹⁴ 21	13 ¹⁴ 12	28 ¹⁴ 20	26 ¹⁴ 29	28 ¹⁴ 23	26 ¹⁴ 12	3 ¹⁴ 14	25 ¹⁴ 12	15 ¹⁴ 56	13 ¹⁴ 11	16 ¹⁴ R19	15 ¹⁴ 24	12 ¹⁴ 57	10 ¹⁴ 26	S 12
S 13	4 5 51	0 ¹⁴ 22	27 ¹⁴ 23	29 ¹⁴ 55	27 ¹⁴ 43	28 ¹⁴ 57	26 ¹⁴ 21	3 ¹⁴ 21	25 ¹⁴ 13	15 ¹⁴ 55	13 ¹⁴ 12	16 ¹⁴ 18	15 ¹⁴ 20	13 ¹⁴ 3	10 ¹⁴ 23	S 13
M14	4 9 47	1 ¹⁴ 22	11 ¹⁴ 36	1 ¹⁴ 29	28 ¹⁴ 58	29 ¹⁴ 32	26 ¹⁴ 29	3 ¹⁴ 27	25 ¹⁴ 13	15 ¹⁴ 54	13 ¹⁴ 13	16 ¹⁴ 16	15 ¹⁴ 17	13 ¹⁴ 10	10 ¹⁴ 21	M14
T 15	4 13 44	2 ¹⁴ 23	25 ¹⁴ 50	3 ¹⁴ 3	0 ¹⁴ 12	0 ¹⁴ 6	26 ¹⁴ 38	3 ¹⁴ 34	25 ¹⁴ 14	15 ¹⁴ 53	13 ¹⁴ 13	16 ¹⁴ 11	15 ¹⁴ 14	13 ¹⁴ 17	10 ¹⁴ 18	T 15
W16	4 17 40	3 ¹⁴ 24	10 ¹⁴ 1	4 ¹⁴ 38	1 ¹⁴ 26	0 ¹⁴ 41	26 ¹⁴ 46	3 ¹⁴ 40	25 ¹⁴ 14	15 ¹⁴ 52	13 ¹⁴ 14	16 ¹⁴ 3	15 ¹⁴ 11	13 ¹⁴ 23	10 ¹⁴ 15	W16
T 17	4 21 37	4 ¹⁴ 25	24 ¹⁴ 4	6 ¹⁴ 12	2 ¹⁴ 41	1 ¹⁴ 15	26 ¹⁴ 54	3 ¹⁴ 47	25 ¹⁴ 14	15 ¹⁴ 51	13 ¹⁴ 15	15 ¹⁴ 53	15 ¹⁴ 8	13 ¹⁴ 30	10 ¹⁴ 12	T 17
F 18	4 25 33	5 ¹⁴ 26	7 ¹⁴ 55	7 ¹⁴ 46	3 ¹⁴ 55	1 ¹⁴ 49	27 ¹⁴ 2	3 ¹⁴ 54	25 ¹⁴ 14	15 ¹⁴ 50	13 ¹⁴ 16	15 ¹⁴ 40	15 ¹⁴ 4	13 ¹⁴ 37	10 ¹⁴ 9	F 18
S 19	4 29 30	6 ¹⁴ 27	21 ¹⁴ 28	9 ¹⁴ 20	5 ¹⁴ 9	2 ¹⁴ 23	27 ¹⁴ 10	4 ¹⁴ 0	25 ¹⁴ 15	15 ¹⁴ 49	13 ¹⁴ 17	15 ¹⁴ 27	15 ¹⁴ 1	13 ¹⁴ 43	10 ¹⁴ 6	S 19
S 20	4 33 27	7 ¹⁴ 28	4 ¹⁴ 42	10 ¹⁴ 54	6 ¹⁴ 23	2 ¹⁴ 58	27 ¹⁴ 18	4 ¹⁴ 7	25 ¹⁴ 15	15 ¹⁴ 48	13 ¹⁴ 18	15 ¹⁴ 15	14 ¹⁴ 58	13 ¹⁴ 50	10 ¹⁴ 4	S 20
M21	4 37 23	8 ¹⁴ 29	17 ¹⁴ 34	12 ¹⁴ 28	7 ¹⁴ 38	3 ¹⁴ 32	27 ¹⁴ 26	4 ¹⁴ 13	25 ¹⁴ R15	15 ¹⁴ 48	13 ¹⁴ 19	15 ¹⁴ 4	14 ¹⁴ 55	13 ¹⁴ 57	10 ¹⁴ 1	M21
T 22	4 41 20	9 ¹⁴ 30	0 ¹⁴ 6	14 ¹⁴ 3	8 ¹⁴ 52	4 ¹⁴ 6	27 ¹⁴ 34	4 ¹⁴ 19	25 ¹⁴ 15	15 ¹⁴ 47	13 ¹⁴ 19	14 ¹⁴ 56	14 ¹⁴ 52	14 ¹⁴ 3	9 ¹⁴ 58	T 22
W23	4 45 16	10 ¹⁴ 31	12 ¹⁴ 20	15 ¹⁴ 37	10 ¹⁴ 6	4 ¹⁴ 40	27 ¹⁴ 41	4 ¹⁴ 26	25 ¹⁴ 15	15 ¹⁴ 46	13 ¹⁴ 20	14 ¹⁴ 51	14 ¹⁴ 49	14 ¹⁴ 10	9 ¹⁴ 55	W23
T 24	4 49 13	11 ¹⁴ 32	24 ¹⁴ 20	17 ¹⁴ 11	11 ¹⁴ 20	5 ¹⁴ 13	27 ¹⁴ 48	4 ¹⁴ 32	25 ¹⁴ 14	15 ¹⁴ 45	13 ¹⁴ 21	14 ¹⁴ 48	14 ¹⁴ 45	14 ¹⁴ 16	9 ¹⁴ 53	T 24
F 25	4 53 9	12 ¹⁴ 33	6 ¹⁴ 12	18 ¹⁴ 45	12 ¹⁴ 35	5 ¹⁴ 47	27 ¹⁴ 56	4 ¹⁴ 38	25 ¹⁴ 14	15 ¹⁴ 44	13 ¹⁴ 22	14 ¹⁴ 47	14 ¹⁴ 42	14 ¹⁴ 23	9 ¹⁴ 50	F 25
S 26	4 57 6	13 ¹⁴ 34	17 ¹⁴ 59	20 ¹⁴ 20	13 ¹⁴ 49	6 ¹⁴ 21	28 ¹⁴ 3	4 ¹⁴ 44	25 ¹⁴ 14	15 ¹⁴ 44	13 ¹⁴ 23	14 ¹⁴ 47	14 ¹⁴ 39	14 ¹⁴ 30	9 ¹⁴ 48	S 26
S 27	5 1 2	14 ¹⁴ 35	29 ¹⁴ 48	21 ¹⁴ 54	15 ¹⁴ 3	6 ¹⁴ 55	28 ¹⁴ 10	4 ¹⁴ 50	25 ¹⁴ 14	15 ¹⁴ 43	13 ¹⁴ 24	14 ¹⁴ 47	14 ¹⁴ 36	14 ¹⁴ 36	9 ¹⁴ 45	S 27
M28	5 4 59	15 ¹⁴ 36	11 ¹⁴ 45	23 ¹⁴ 29	16 ¹⁴ 17	7 ¹⁴ 28	28 ¹⁴ 16	4 ¹⁴ 56	25 ¹⁴ 13	15 ¹⁴ 42	13 ¹⁴ 25	14 ¹⁴ 45	14 ¹⁴ 33	14 ¹⁴ 43	9 ¹⁴ 43	M28
T 29	5 8 56	16 ¹⁴ 37	23 ¹⁴ 55	25 ¹⁴ 3	17 ¹⁴ 31	8 ¹⁴ 1	28 ¹⁴ 23	5 ¹⁴ 2	25 ¹⁴ 13	15 ¹⁴ 42	13 ¹⁴ 27	14 ¹⁴ 41	14 ¹⁴ 30	14 ¹⁴ 50	9 ¹⁴ 40	T 29
W30	5 12 52	17 ¹⁴ 38	6 ¹⁴ 21	26 ¹⁴ 38	18 ¹⁴ 45	8 ¹⁴ 35	28 ¹⁴ 29	5 ¹⁴ 8	25 ¹⁴ 12	15 ¹⁴ 41	13 ¹⁴ 28	14 ¹⁴ 43	14 ¹⁴ 26	14 ¹⁴ 56	9 ¹⁴ 38	W30

Delta T = 197.82 sec

Julian Calendar 1 Nov. 1541 == Greg. Calendar 11 Nov. 1541

DECEMBER 1541 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	5 16 49	18 ¹⁴ 39	19 ¹⁴ 6	28 ¹⁴ 12	19 ¹⁴ 59	9 ¹⁴ 8	28 ¹⁴ 36	5 ¹⁴ 14	25 ¹⁴ R12	15 ¹⁴ R40	13 ¹⁴ 29	14 ¹⁴ R23	14 ¹⁴ 23	15 ¹⁴ 3	9 ¹⁴ R36	T 1
F 2	5 20 45	19 ¹⁴ 40	2 ¹⁴ 12	29 ¹⁴ 47	21 ¹⁴ 13	9 ¹⁴ 41	28 ¹⁴ 42	5 ¹⁴ 20	25 ¹⁴ 11	15 ¹⁴ 40	13 ¹⁴ 30	14 ¹⁴ 11	14 ¹⁴ 20	15 ¹⁴ 10	9 ¹⁴ 34	F 2
S 3	5 24 42	20 ¹⁴ 42	0 ¹⁴ 01	15 ¹⁴ 39	1 ¹⁴ 22	10 ¹⁴ 14	28 ¹⁴ 48	5 ¹⁴ 26	25 ¹⁴ 11	15 ¹⁴ 39	13 ¹⁴ 31	13 ¹⁴ 58	14 ¹⁴ 17	15 ¹⁴ 16	9 ¹⁴ 31	S 3
S 4	5 28 38	21 ¹⁴ 43	0 ¹⁴ 07	2 ¹⁴ 56	23 ¹⁴ 41	10 ¹⁴ 47	28 ¹⁴ 54	5 ¹⁴ 32	25 ¹⁴ 10	15 ¹⁴ 39	13 ¹⁴ 32	13 ¹⁴ 45	14 ¹⁴ 14	15 ¹⁴ 23	9 ¹⁴ 29	S 4
M 5	5 32 35	22 ¹⁴ 44	13 ¹⁴ 21	4 ¹⁴ 31	24 ¹⁴ 55	11 ¹⁴ 20	28 ¹⁴ 59	5 ¹⁴ 37	25 ¹⁴ 9	15 ¹⁴ 38	13 ¹⁴ 34	13 ¹⁴ 34	14 ¹⁴ 10	15 ¹⁴ 30	9 ¹⁴ 27	M 5
T 6	5 36 31	23 ¹⁴ 45	21 ¹⁴ 29	6 ¹⁴ 5	26 ¹⁴ 9	11 ¹⁴ 53	29 ¹⁴ 5	5 ¹⁴ 43	25 ¹⁴ 8	15 ¹⁴ 38	13 ¹⁴ 35	13 ¹⁴ 25	14 ¹⁴ 7	15 ¹⁴ 36	9 ¹⁴ 25	T 6
W 7	5 40 28	24 ¹⁴ 46	11 ¹⁴ 24	7 ¹⁴ 40	27 ¹⁴ 23	12 ¹⁴ 26	29 ¹⁴ 10	5 ¹⁴ 48	25 ¹⁴ 8	15 ¹⁴ 38	13 ¹⁴ 36	13 ¹⁴ 19	14 ¹⁴ 4	15 ¹⁴ 43	9 ¹⁴ 23	W 7
T 8	5 44 25	25 ¹⁴ 47	25 ¹⁴ 53	9 ¹⁴ 14	28 ¹⁴ 36	12 ¹⁴ 59	29 ¹⁴ 16	5 ¹⁴ 54	25 ¹⁴ 7	15 ¹⁴ 37	13 ¹⁴ 37	13 ¹⁴ 16	14 ¹⁴ 1	15 ¹⁴ 49	9 ¹⁴ 21	T 8
F 9	5 48 21	26 ¹⁴ 48	10 ¹⁴ 24	10 ¹⁴ 48	29 ¹⁴ 50	13 ¹⁴ 31	29 ¹⁴ 21	5 ¹⁴ 59	25 ¹⁴ 6	15 ¹⁴ 37	13 ¹⁴ 39	13 ¹⁴ D15	13 ¹⁴ 58	15 ¹⁴ 56	9 ¹⁴ 19	F 9
S 10	5 52 18	27 ¹⁴ 49	24 ¹⁴ 11	12 ¹⁴ 21	1 ¹⁴ 4	14 ¹⁴ 4	29 ¹⁴ 26	6 ¹⁴ 5	25 ¹⁴ 5	15 ¹⁴ 37	13 ¹⁴ 40	13 ¹⁴ R15	13 ¹⁴ 55	16 ¹⁴ 3	9 ¹⁴ 17	S 10
S 11	5 56 14	28 ¹⁴ 51	8 ¹⁴ 13	13 ¹⁴ 54	2 ¹⁴ 18	14 ¹⁴ 36	29 ¹⁴ 30	6 ¹⁴ 10	25 ¹⁴ 4	15 ¹⁴ 37	13 ¹⁴ 41	13 ¹⁴ 14	13 ¹⁴ 51	16 ¹⁴ 9	9 ¹⁴ 15	S 11
M12	6 0 11	29 ¹⁴ 52	22 ¹⁴ 10	15 ¹⁴ 26	3 ¹⁴ 31	15 ¹⁴ 8	29 ¹⁴ 35	6 ¹⁴ 15	25 ¹⁴ 3	15 ¹⁴ 36	13 ¹⁴ 43	13 ¹⁴ 13	13 ¹⁴ 48	16 ¹⁴ 16	9 ¹⁴ 14	M12
T 13	6 4 7	0 ¹⁴ 53	6 ¹⁴ 12	16 ¹⁴ 57	4 ¹⁴ 45	15 ¹⁴ 40	29 ¹⁴ 39	6 ¹⁴ 20	25 ¹⁴ 1	15 ¹⁴ 36	13 ¹⁴ 44	13 ¹⁴ 8	13 ¹⁴ 45	16 ¹⁴ 23	9 ¹⁴ 12	T 13
W14	6 8 4	1 ¹⁴ 54	19 ¹⁴ 46	18 ¹⁴ 28	5 ¹⁴ 59	16 ¹⁴ 12	29 ¹⁴ 44	6 ¹⁴ 26	25 ¹⁴ 0	15 ¹⁴ 36	13 ¹⁴ 45	13 ¹⁴ 1	13 ¹⁴ 42	16 ¹⁴ 29	9 ¹⁴ 10	W