

SWISS EPHEMERIS for the year 1543

JANUARY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	7 18 5	20 <sup>3</sup> 0'58	23 <sup>11</sup> 7	2°R 5	3 <sup>3</sup> 15	9 <sup>1</sup> 38	28 <sup>2</sup> 38	18 <sup>11</sup> 36	29°R26	17 <sup>1</sup> 53	15 <sup>3</sup> 38	22°R 7	23 <sup>2</sup> 25	29 <sup>1</sup> 5	13°R59								
T 2	7 22 1	21° 2'06	7 <sup>1</sup> 24	1 <sup>3</sup> 53	4°31	10°24	28°44	18°40	29 <sup>1</sup> 24	17°54	15°40	22 <sup>2</sup> 3	23°22	29°12	13 <sup>3</sup> 58								
W 3	7 25 58	22° 3'13	21°37	1°D50	5°46	11° 9	28°50	18°45	29°22	17°54	15°42	21°58	23°19	29°18	13°57								
T 4	7 29 55	23° 4'19	5 <sup>3</sup> 41	1°55	7° 1	11°55	28°56	18°49	29°20	17°55	15°43	21°53	23°16	29°25	13°57								
F 5	7 33 51	24° 5'25	19°32	2° 8	8°16	12°41	29° 1	18°53	29°18	17°55	15°45	21°49	23°12	29°32	13°56								
S 6	7 37 48	25° 6'30	3 <sup>3</sup> 6	2°28	9°31	13°26	29° 7	18°58	29°16	17°56	15°47	21°47	23° 9	29°39	13°55								
S 7	7 41 44	26° 7'35	16°21	2°54	10°47	14°12	29°12	19° 2	29°14	17°56	15°48	21°D45	23° 6	29°45	13°55								
M 8	7 45 41	27° 8'38	29°16	3°26	12° 2	14°57	29°17	19° 6	29°12	17°57	15°50	21°46	23° 3	29°52	13°55								
T 9	7 49 37	28° 9'41	11 <sup>1</sup> 51	4° 3	13°17	15°43	29°22	19°10	29°10	17°58	15°52	21°47	23° 0	29°59	13°54								
W10	7 53 34	29°10'42	24°10	4°45	14°32	16°28	29°27	19°13	29° 8	17°58	15°53	21°48	22°57	0 <sup>3</sup> 5	13°54								
T 11	7 57 30	0 <sup>3</sup> 11'42	6 <sup>1</sup> 16	5°31	15°47	17°14	29°32	19°17	29° 6	17°59	15°55	21°50	22°53	0°12	13°54								
F 12	8 1 27	1°12'41	18°13	6°22	17° 3	17°59	29°36	19°21	29° 4	18° 0	15°57	21°51	22°50	0°19	13°54								
S 13	8 5 24	2°13'39	0 <sup>3</sup> 5	7°16	18°18	18°45	29°40	19°25	29° 1	18° 1	15°58	21°R52	22°47	0°26	13°D54								
S 14	8 9 20	3°14'36	11°57	8°13	19°33	19°30	29°44	19°28	28°59	18° 2	16° 0	21°52	22°44	0°32	13°54								
M15	8 13 17	4°15'31	23°55	9°13	20°48	20°15	29°48	19°32	28°57	18° 2	16° 2	21°51	22°41	0°39	13°54								
T 16	8 17 13	5°16'25	6 <sup>1</sup> 2	10°16	22° 3	21° 1	29°52	19°35	28°55	18° 3	16° 4	21°49	22°37	0°46	13°54								
W17	8 21 10	6°17'18	18°23	11°21	23°19	21°46	29°56	19°38	28°52	18° 4	16° 5	21°46	22°34	0°52	13°54								
T 18	8 25 6	7°18'10	1 <sup>3</sup> 1	12°28	24°34	22°31	29°59	19°41	28°50	18° 5	16° 7	21°44	22°31	0°59	13°55								
F 19	8 29 3	8°19'00	13°57	13°38	25°49	23°16	0 <sup>1</sup> 2	19°44	28°48	18° 6	16° 9	21°42	22°28	1° 6	13°55								
S 20	8 33 0	9°19'49	27°12	14°50	27° 4	24° 2	0° 5	19°47	28°45	18° 7	16°11	21°41	22°25	1°13	13°56								
S 21	8 36 56	10°20'36	10 <sup>1</sup> 245	16° 3	28°19	24°47	0° 8	19°50	28°43	18° 8	16°12	21°40	22°22	1°19	13°56								
M22	8 40 53	11°21'23	24°34	17°18	29°34	25°32	0°11	19°53	28°40	18°10	16°14	21°D40	22°18	1°26	13°57								
T 23	8 44 49	12°22'08	8 <sup>1</sup> 37	18°34	0 <sup>3</sup> 49	26°17	0°13	19°56	28°38	18°11	16°16	21°40	22°15	1°33	13°57								
W24	8 48 46	13°22'51	22°48	19°52	2° 4	27° 2	0°16	19°58	28°35	18°12	16°18	21°41	22°12	1°39	13°58								
T 25	8 52 42	14°23'34	7 <sup>1</sup> 5	21°12	3°20	27°47	0°18	20° 1	28°33	18°13	16°19	21°41	22° 9	1°46	13°59								
F 26	8 56 39	15°24'16	21°23	22°32	4°35	28°32	0°20	20° 3	28°30	18°14	16°21	21°42	22° 6	1°53	14° 0								
S 27	9 0 35	16°24'56	5 <sup>1</sup> 39	23°54	5°50	29°17	0°22	20° 6	28°28	18°15	16°23	21°42	22° 3	2° 0	14° 1								
S 28	9 4 32	17°25'36	19°51	25°17	7° 5	0 <sup>1</sup> 2	0°23	20° 8	28°25	18°17	16°25	21°R42	21°59	2° 6	14° 2								
M29	9 8 29	18°26'14	3 <sup>1</sup> 56	26°42	8°20	0°47	0°25	20°10	28°23	18°18	16°26	21°42	21°56	2°13	14° 3								
T 30	9 12 25	19°26'51	17°52	28° 7	9°35	1°31	0°26	20°12	28°20	18°19	16°28	21°42	21°53	2°20	14° 4								
W31	9 16 22	20°27'27	1 <sup>3</sup> 38	29°33	10°50	2°16	0 <sup>1</sup> 27	20°14	28°17	18°17	16°30	21°42	21°50	2°26	14° 5								

Delta T = 154.62 sec. Julian Calendar 1 Jan. 1543 == Greg. Calendar 11 Jan. 1543

FEBRUARY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	9 20 18	21 <sup>2</sup> 28'02	15 <sup>3</sup> 13	1 <sup>2</sup> 1	12 <sup>2</sup> 5	3°V 1	0 <sup>1</sup> 28	20°16	28°R15	18°V22	16°32	21°D42	21°47	2°33	14° 6								
F 2	9 24 15	22°28'36	28°36	2°29	13°20	3°46	0°28	20°18	28°R12	18°24	16°34	21°42	21°43	2°40	14° 8								
S 3	9 28 11	23°29'07	11 <sup>2</sup> 45	3°59	14°35	4°30	0°29	20°19	28°10	18°25	16°35	21°42	21°40	2°47	14° 9								
S 4	9 32 8	24°29'38	24°40	5°29	15°50	5°15	0°29	20°21	28° 7	18°27	16°37	21°R42	21°37	2°53	14°10								
M 5	9 36 4	25°30'06	7 <sup>1</sup> 21	7° 1	17° 5	6° 0	0°R29	20°22	28° 4	18°28	16°39	21°42	21°34	3° 0	14°12								
T 6	9 40 1	26°30'33	19°48	8°33	18°20	6°44	0°29	20°24	28° 2	18°30	16°40	21°41	21°31	3° 7	14°14								
W 7	9 43 58	27°30'58	2°V 3	10° 7	19°35	7°29	0°29	20°25	27°59	18°31	16°42	21°41	21°28	3°13	14°15								
T 8	9 47 54	28°31'21	14° 7	11°41	20°50	8°13	0°28	20°26	27°56	18°33	16°44	21°40	21°24	3°20	14°17								
F 9	9 51 51	29°31'43	26° 3	13°17	22° 5	8°58	0°28	20°27	27°54	18°34	16°46	21°39	21°21	3°27	14°19								
S 10	9 55 47	0 <sup>1</sup> 32'02	7 <sup>3</sup> 56	14°53	23°20	9°42	0°27	20°28	27°51	18°36	16°47	21°38	21°18	3°34	14°21								
S 11	9 59 44	1°32'20	19°48	16°30	24°35	10°26	0°26	20°29	27°49	18°38	16°49	21°37	21°15	3°40	14°22								
M12	10 3 40	2°32'35	1 <sup>1</sup> 44	18° 9	25°50	11°11	0°24	20°30	27°46	18°39	16°51	21°D37	21°12	3°47	14°24								
T 13	10 7 37	3°32'48	13°50	19°48	27° 5	11°55	0°23	20°30	27°43	18°41	16°53	21°37	21° 8	3°54	14°26								
W14	10 11 33	4°33'00	26° 9	21°29	28°20	12°39	0°21	20°31	27°41	18°43	16°54	21°38	21° 5	4° 0	14°28								
T 15	10 15 30	5°33'09	8 <sup>3</sup> 46	23°10	29°35	13°24	0°20	20°31	27°38	18°44	16°56	21°39	21° 2	4° 7	14°31								
F 16	10 19 27	6°33'16	21°44	24°53	0 <sup>1</sup> 50	14° 8	0°18	20°32	27°36	18°46	16°58	21°40	20°59	4°14	14°33								
S 17	10 23 23	7°33'21	5°12	26°36	2° 5	14°52	0°15	20°32	27°33	18°48	16°59	21°41	20°56	4°21	14°35								
S 18	10 27 20	8°33'25	18°52	28°21	3°20	15°36	0°13	20°32	27°30	18°50	17° 1	21°R42	20°53	4°27	14°37								
M19	10 31 16	9°33'26	3 <sup>1</sup> 0	0 <sup>1</sup> 7	4°35	16°20	0°11	20°R32	27°28	18°52	17° 3	21°42	20°49	4°34	14°40								
T 20	10 35 13	10°33'24	17°27	1°54	5°49	17° 4	0° 8	20°32	27°25	18°54	17° 4	21°40	20°46	4°41	14°42								
W21	10 39 9	11°33'22	2 <sup>1</sup> 8	3°42	7° 4	17°48	0° 5	20°32	27°23	18°55	17° 6	21°38	20°43	4°47	14°45								
T 22	10 43 6	12°33'17	16°54	5°31	8°19	18°32	0° 2	20°31	27°20	18°57	17° 8	21°35	20°40	4°54	14°47								
F 23	10 47 2	13°33'10	1 <sup>1</sup> 39	7°21	9°34	19°16	29°59	20°31	27°18	18°59	17° 9	21°32	20°37	5° 1	14°50								
S 24	10 50 59	14°33'02	16°15	9°13	10°49	19°59	29°55	20°30	27°15	19° 1	17°11	21°30	20°34	5° 8	14°52								
S 25	10 54 55	15°32'53	0 <sup>1</sup> 38	11° 5	12° 3	20°43	29°52	20°30	27°13	19° 3	17°12	21°28	20°30	5°14	14°55								
M26	10 58 52	16°32'41	14°45	12°59	13°18	21°27	29°48	20°29	27°10	19° 5	17°14	21°D27	20°27	5°21	14°58								
T 27	11 2 49	17°32'28	28°33	14°54	14°33	22°10	29°44	20°28	27° 8	19° 7	17°15	21°28	20°24	5°28	15° 1								
W28	11 6 45	18°32'14	12 <sup>3</sup> 4	16°49	15°48	22°V54	29°40	20°127	27°12	19°V 9	17°17	21°R29	20°21	5°35	15° 3								

Delta T = 154.55 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1543

MARCH 1543 JC

00:00 UT

Table with 16 columns: Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋. Rows represent days from March 1 to 31, 1543, listing astronomical data for various celestial bodies.

Delta T = 154.49 sec. Julian Calendar 1 March 1543 == Greg. Calendar 11 March 1543

APRIL 1543 JC

00:00 UT

Table with 16 columns: Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♄, ♅, ♆, ♇, ♈, ♉, ♊, ♋. Rows represent days from April 1 to 30, 1543, listing astronomical data for various celestial bodies.

Delta T = 154.42 sec. Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1543

MAY 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
T 1	15 11 12	19♁11'50	16♀16	29♂51	2♂28	6♂32	22°R42	17°R 6	25♂53	21♀25	18♁17	17°R 8	17♁ 4	12♁31	19♁ 7	
W 2	15 15 8	20° 9'37	28° 8	29°59	3°42	7°13	22♁36	17♂ 1	25°53	21°27	18°17	16♁37	17° 1	12°38	19°12	
T 3	15 19 5	21° 7'23	10♁ 0	0♁12	4°55	7°54	22°30	16°57	25°54	21°29	18°17	16°43	16°57	12°45	19°16	
F 4	15 23 1	22° 5'07	21°52	0°30	6° 9	8°35	22°24	16°52	25°54	21°31	18°17	16°29	16°54	12°51	19°21	
S 5	15 26 58	23° 2'50	3♂46	0°52	7°22	9°15	22°18	16°48	25°55	21°33	18°17	16°15	16°51	12°58	19°25	
S 6	15 30 54	24° 0'32	15°43	1°18	8°36	9°56	22°13	16°43	25°55	21°35	18°17	16° 3	16°48	13° 5	19°30	
M 7	15 34 51	24°58'13	27°46	1°49	9°49	10°37	22° 7	16°39	25°56	21°37	18°18	15°53	16°45	13°12	19°34	
T 8	15 38 47	25°55'52	9♁55	2°23	11° 3	11°17	22° 2	16°34	25°57	21°39	18°18	15°46	16°42	13°18	19°39	
W 9	15 42 44	26°53'29	22°14	3° 2	12°16	11°58	21°57	16°30	25°58	21°40	18°18	15°42	16°38	13°25	19°43	
T 10	15 46 41	27°51'05	4♂45	3°44	13°30	12°39	21°51	16°26	25°58	21°42	18°R18	15°40	16°35	13°32	19°48	
F 11	15 50 37	28°48'40	17°34	4°30	14°43	13°19	21°47	16°21	25°59	21°44	18°18	15°D39	16°32	13°39	19°52	
S 12	15 54 34	29°46'13	0♂42	5°20	15°57	14° 0	21°42	16°17	26° 0	21°46	18°18	15°R39	16°29	13°45	19°56	
S 13	15 58 30	0♂43'44	14°15	6°13	17°10	14°40	21°37	16°13	26° 1	21°48	18°18	15°39	16°26	13°52	20° 1	
M14	16 2 27	1°41'15	28°14	7° 9	18°24	15°21	21°33	16° 9	26° 2	21°50	18°18	15°36	16°23	13°59	20° 5	
T 15	16 6 23	2°38'43	12♁39	8° 9	19°37	16° 1	21°28	16° 4	26° 3	21°52	18°17	15°32	16°19	14° 5	20°10	
W16	16 10 20	3°36'11	27°28	9°12	20°50	16°41	21°24	16° 0	26° 4	21°54	18°17	15°25	16°16	14°12	20°14	
T 17	16 14 16	4°33'37	12♂35	10°19	22° 4	17°22	21°20	15°56	26° 6	21°55	18°17	15°16	16°13	14°19	20°18	
F 18	16 18 13	5°31'02	27°50	11°28	23°17	18° 2	21°16	15°52	26° 7	21°57	18°17	15° 6	16°10	14°26	20°23	
S 19	16 22 10	6°28'27	13♁ 2	12°41	24°30	18°42	21°13	15°48	26° 8	21°59	18°17	14°56	16° 7	14°32	20°27	
S 20	16 26 6	7°25'50	28° 1	13°56	25°43	19°22	21° 9	15°44	26° 9	22° 1	18°16	14°48	16° 3	14°39	20°32	
M21	16 30 3	8°23'13	12♁39	15°15	26°57	20° 2	21° 6	15°40	26°11	22° 2	18°16	14°42	16° 0	14°46	20°36	
T 22	16 33 59	9°20'35	26°49	16°36	28°10	20°43	21° 3	15°36	26°12	22° 4	18°16	14°39	15°57	14°52	20°40	
W23	16 37 56	10°17'56	10♁30	18° 0	29°23	21°23	21° 0	15°32	26°14	22° 6	18°16	14°D38	15°54	14°59	20°45	
T 24	16 41 52	11°15'17	23°43	19°27	0♁36	22° 3	20°57	15°28	26°15	22° 7	18°15	14°38	15°51	15° 6	20°49	
F 25	16 45 49	12°12'37	6♁32	20°57	1°50	22°43	20°54	15°25	26°17	22° 9	18°15	14°R39	15°48	15°13	20°53	
S 26	16 49 45	13° 9'56	18°59	22°30	3° 3	23°23	20°52	15°21	26°18	22°10	18°15	14°38	15°44	15°19	20°57	
S 27	16 53 42	14° 7'15	1♀11	24° 5	4°16	24° 3	20°49	15°17	26°20	22°12	18°14	14°37	15°41	15°26	21° 2	
M28	16 57 39	15° 4'34	13°12	25°44	5°29	24°43	20°47	15°14	26°22	22°14	18°14	14°33	15°38	15°33	21° 6	
T 29	17 1 35	16° 1'52	25° 6	27°25	6°42	25°23	20°45	15°10	26°24	22°15	18°13	14°27	15°35	15°40	21°10	
W30	17 5 32	16°59'10	6♁57	29° 8	7°55	26° 2	20°43	15° 7	26°25	22°17	18°13	14°19	15°32	15°46	21°14	
T 31	17 9 28	17♂56'27	18♁49	0♂55	9♁ 8	26♂42	20♁42	15♂ 3	26♂27	22♀18	18♁12	14♁ 9	15♁29	15♁53	21♁18	

Delta T = 154.35 sec. Julian Calendar 1 May 1543 == Greg. Calendar 11 May 1543

JUNE 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
F 1	17 13 25	18♂53'44	0♂43	2♂44	10♁21	27♂22	20°R40	15°R 0	26♂29	22♀19	18°R12	13°R59	15♁25	16♁ 0	21♁22	
S 2	17 17 21	19°51'01	12°42	4°36	11°34	28° 2	20♁39	14♂57	26°31	22°21	18♁11	13♁49	15°22	16° 6	21°27	
S 3	17 21 18	20°48'17	24°47	6°30	12°47	28°42	20°38	14°53	26°33	22°22	18°11	13°40	15°19	16°13	21°31	
M 4	17 25 14	21°45'32	7♁ 0	8°27	14° 0	29°21	20°37	14°50	26°35	22°24	18°10	13°33	15°16	16°20	21°35	
T 5	17 29 11	22°42'47	19°21	10°26	15°13	0♁ 1	20°36	14°47	26°37	22°25	18° 9	13°28	15°13	16°27	21°39	
W 6	17 33 8	23°40'02	1♂52	12°27	16°26	0°41	20°36	14°44	26°39	22°26	18° 9	13°25	15° 9	16°33	21°43	
T 7	17 37 4	24°37'16	14°35	14°30	17°39	1°20	20°36	14°41	26°41	22°28	18° 8	13°D24	15° 6	16°40	21°47	
F 8	17 41 1	25°34'29	27°32	16°35	18°52	2° 0	20°D35	14°39	26°44	22°29	18° 7	13°25	15° 3	16°47	21°51	
S 9	17 44 57	26°31'41	10♂45	18°42	20° 5	2°39	20°35	14°36	26°46	22°30	18° 7	13°26	15° 0	16°54	21°55	
S 10	17 48 54	27°28'54	24°18	20°50	21°18	3°19	20°36	14°33	26°48	22°31	18° 6	13°R27	14°57	17° 0	21°58	
M11	17 52 50	28°26'05	8♁11	22°59	22°31	3°58	20°36	14°31	26°51	22°32	18° 5	13°26	14°54	17° 7	22° 2	
T 12	17 56 47	29°23'16	22°25	25° 9	23°43	4°38	20°37	14°28	26°53	22°34	18° 4	13°24	14°50	17°14	22° 6	
W13	18 0 43	0♁20'26	6♂57	27°19	24°56	5°17	20°37	14°26	26°55	22°35	18° 4	13°21	14°47	17°20	22°10	
T 14	18 4 40	1°17'37	21°44	29°30	26° 9	5°57	20°38	14°23	26°58	22°36	18° 3	13°15	14°44	17°27	22°14	
F 15	18 8 37	2°14'47	6♁39	1♁41	27°22	6°36	20°39	14°21	27° 0	22°37	18° 2	13°10	14°41	17°34	22°17	
S 16	18 12 33	3°11'56	21°34	3°52	28°34	7°16	20°41	14°19	27° 3	22°38	18° 1	13° 4	14°38	17°41	22°21	
S 17	18 16 30	4° 9'06	6♁31	6° 2	29°47	7°55	20°42	14°17	27° 5	22°39	18° 0	12°59	14°35	17°47	22°25	
M18	18 20 26	5° 6'15	20°50	8°11	1♂ 0	8°34	20°44	14°15	27° 8	22°40	17°59	12°55	14°31	17°54	22°28	
T 19	18 24 23	6° 3'25	4♁58	10°19	2°12	9°13	20°45	14°13	27°11	22°41	17°59	12°54	14°28	18° 1	22°32	
W20	18 28 19	7° 0'35	18°40	12°26	3°25	9°53	20°47	14°11	27°13	22°42	17°58	12°D54	14°25	18° 8	22°35	
T 21	18 32 16	7°57'45	1♁56	14°32	4°37	10°32	20°50	14° 9	27°16	22°43	17°57	12°55	14°22	18°14	22°39	
F 22	18 36 13	8°54'55	14°48	16°37	5°50	11°11	20°52	14° 7	27°19	22°43	17°56	12°56	14°19	18°21	22°42	
S 23	18 40 9	9°52'05	27°20	18°40	7° 3	11°50	20°54	14° 6	27°22	22°44	17°55	12°58	14°15	18°28	22°46	
S 24	18 44 6	10°49'16	9♀34	20°41	8°15	12°29	20°57	14° 4	27°24	22°45	17°54	12°R58	14°12	18°34	22°49	
M25	18 48 2	11°46'28	21°37	22°40	9°27	13° 8	21° 0	14° 3	27°27	22°46	17°53	12°58	14° 9	18°41	22°53	
T 26	18 51 59	12°43'40	3♁32	24°38	10°40	13°48	21° 3	14° 2	27°30	22°46	17°52	12°56	14° 6	18°48	22°56	
W27	18 55 55	13°40'52	15°24	26°34	11°52	14°27	21° 6	14° 0	27°33	22°47	17°51	12°53	14° 3	18°55	22°59	
T 28	18 59 52	14°38'06	27°18	28°28	13° 5	15° 6	21° 9	13°59	27°36	22°48	17°50	12°49	14° 0	19° 1	23° 2	
F 29	19 3 48	15°35'19	9♂15	0♂20	14°17	15°45	21°13	13°58	27°39	22°48	17°49	12°44	13°56	19° 8	23° 6	
S 30	19 7 45	16♁32'33	21♂20	2♂11	15♂29	16♁24	21♂17	13♂57	27♂42	22♀49	17♁48	12♁40	13♁53	19♁15	23♁ 9	

Delta T = 154.28 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1543

JULY 1543 JC

00:00 UT

Table with 17 columns (Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♅, ♆, ♇, ♈, ♉, ♊, ♋, ♌) and rows for days S1 to T31, providing astronomical data for July 1543.

Delta T = 154.21 sec. Julian Calendar 1 July 1543 == Greg. Calendar 11 July 1543

AUGUST 1543 JC

00:00 UT

Table with 17 columns (Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♅, ♆, ♇, ♈, ♉, ♊, ♋, ♌) and rows for days W1 to F31, providing astronomical data for August 1543.

Delta T = 154.14 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1543

SEPTEMBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
S 1	23 16 8	17 $\eta$ 10'50	11 $\alpha$ 26	1 $\eta$ 40	29 $\alpha$ 51	26 $\delta$ 44	29 $\alpha$ 40	16 $\mu$ 7	1 $\eta$ 27	22 $\circ$ R23	16 $\circ$ R29	12 $\circ$ R 5	10 $\alpha$ 33	26 $\gamma$ 18	24 $\circ$ R33
S 2	23 20 5	18 $\circ$ 9'26	25 $\circ$ 56	1 $\circ$ 53	1 $\mu$ 0	27 $\circ$ 21	29 $\circ$ 51	16 $\circ$ 12	1 $\circ$ 31	22 $\vee$ 21	16 $\alpha$ 28	11 $\alpha$ 59	10 $\circ$ 30	26 $\circ$ 25	24 $\gamma$ 32
M 3	23 24 1	19 $\circ$ 8'03	10 $\mu$ 28	2 $\circ$ 15	2 $\circ$ 8	27 $\circ$ 59	0 $\mu$ 2	16 $\circ$ 17	1 $\circ$ 35	22 $\circ$ 20	16 $\circ$ 27	11 $\circ$ 54	10 $\circ$ 27	26 $\circ$ 32	24 $\circ$ 31
T 4	23 27 58	20 $\circ$ 6'42	24 $\circ$ 57	2 $\circ$ 47	3 $\circ$ 17	28 $\circ$ 37	0 $\circ$ 14	16 $\circ$ 22	1 $\circ$ 38	22 $\circ$ 19	16 $\circ$ 26	11 $\circ$ 50	10 $\circ$ 24	26 $\circ$ 38	24 $\circ$ 30
W 5	23 31 54	21 $\circ$ 5'22	9 $\alpha$ 18	3 $\circ$ 27	4 $\circ$ 25	29 $\circ$ 15	0 $\circ$ 25	16 $\circ$ 27	1 $\circ$ 42	22 $\circ$ 17	16 $\circ$ 25	11 $\circ$ 48	10 $\circ$ 20	26 $\circ$ 45	24 $\circ$ 29
T 6	23 35 51	22 $\circ$ 4'05	23 $\circ$ 27	4 $\circ$ 15	5 $\circ$ 33	29 $\circ$ 53	0 $\circ$ 37	16 $\circ$ 32	1 $\circ$ 45	22 $\circ$ 16	16 $\circ$ 24	11 $\circ$ D48	10 $\circ$ 17	26 $\circ$ 52	24 $\circ$ 28
F 7	23 39 47	23 $\circ$ 2'49	7 $\gamma$ 23	5 $\circ$ 12	6 $\circ$ 41	0 $\eta$ 31	0 $\circ$ 49	16 $\circ$ 37	1 $\circ$ 49	22 $\circ$ 14	16 $\circ$ 23	11 $\circ$ 48	10 $\circ$ 14	26 $\circ$ 59	24 $\circ$ 27
S 8	23 43 44	24 $\circ$ 1'35	21 $\circ$ 6	6 $\circ$ 16	7 $\circ$ 49	1 $\circ$ 9	1 $\circ$ 0	16 $\circ$ 42	1 $\circ$ 53	22 $\circ$ 13	16 $\circ$ 22	11 $\circ$ 50	10 $\circ$ 11	27 $\circ$ 5	24 $\circ$ 26
S 9	23 47 40	25 $\circ$ 0'22	4 $\alpha$ 37	7 $\circ$ 27	8 $\circ$ 57	1 $\circ$ 47	1 $\circ$ 12	16 $\circ$ 47	1 $\circ$ 56	22 $\circ$ 12	16 $\circ$ 21	11 $\circ$ 51	10 $\circ$ 8	27 $\circ$ 12	24 $\circ$ 25
M10	23 51 37	25 $\circ$ 59'11	17 $\circ$ 54	8 $\circ$ 43	10 $\circ$ 5	2 $\circ$ 25	1 $\circ$ 24	16 $\circ$ 52	2 $\circ$ 0	22 $\circ$ 10	16 $\circ$ 20	11 $\circ$ R51	10 $\circ$ 4	27 $\circ$ 19	24 $\circ$ 24
T 11	23 55 34	26 $\circ$ 58'02	1 $\eta$ 1	10 $\circ$ 6	11 $\circ$ 12	3 $\circ$ 3	1 $\circ$ 36	16 $\circ$ 58	2 $\circ$ 3	22 $\circ$ 9	16 $\circ$ 19	11 $\circ$ 49	10 $\circ$ 1	27 $\circ$ 25	24 $\circ$ 23
W12	23 59 30	27 $\circ$ 56'55	13 $\circ$ 55	11 $\circ$ 32	12 $\circ$ 20	3 $\circ$ 41	1 $\circ$ 48	17 $\circ$ 3	2 $\circ$ 7	22 $\circ$ 7	16 $\circ$ 18	11 $\circ$ 45	9 $\circ$ 58	27 $\circ$ 32	24 $\circ$ 21
T 13	0 3 27	28 $\circ$ 55'50	26 $\circ$ 38	13 $\circ$ 3	13 $\circ$ 27	4 $\circ$ 18	2 $\circ$ 0	17 $\circ$ 8	2 $\circ$ 10	22 $\circ$ 6	16 $\circ$ 17	11 $\circ$ 39	9 $\circ$ 55	27 $\circ$ 39	24 $\circ$ 20
F 14	0 7 23	29 $\circ$ 54'46	9 $\vee$ 9	14 $\circ$ 38	14 $\circ$ 34	4 $\circ$ 56	2 $\circ$ 12	17 $\circ$ 14	2 $\circ$ 14	22 $\circ$ 4	16 $\circ$ 16	11 $\circ$ 31	9 $\circ$ 52	27 $\circ$ 46	24 $\circ$ 18
S 15	0 11 20	0 $\alpha$ 53'45	21 $\circ$ 29	16 $\circ$ 15	15 $\circ$ 41	5 $\circ$ 34	2 $\circ$ 24	17 $\circ$ 20	2 $\circ$ 17	22 $\circ$ 3	16 $\circ$ 15	11 $\circ$ 22	9 $\circ$ 49	27 $\circ$ 52	24 $\circ$ 17
S 16	0 15 16	1 $\circ$ 52'46	3 $\gamma$ 39	17 $\circ$ 55	16 $\circ$ 48	6 $\circ$ 12	2 $\circ$ 36	17 $\circ$ 25	2 $\circ$ 20	22 $\circ$ 1	16 $\circ$ 14	11 $\circ$ 12	9 $\circ$ 45	27 $\circ$ 59	24 $\circ$ 15
M17	0 19 13	2 $\circ$ 51'50	15 $\circ$ 40	19 $\circ$ 36	17 $\circ$ 55	6 $\circ$ 50	2 $\circ$ 48	17 $\circ$ 31	2 $\circ$ 24	22 $\circ$ 0	16 $\circ$ 14	11 $\circ$ 3	9 $\circ$ 42	28 $\circ$ 6	24 $\circ$ 14
T 18	0 23 9	3 $\circ$ 50'55	27 $\circ$ 34	21 $\circ$ 19	19 $\circ$ 1	7 $\circ$ 28	3 $\circ$ 0	17 $\circ$ 37	2 $\circ$ 27	21 $\circ$ 58	16 $\circ$ 13	10 $\circ$ 56	9 $\circ$ 39	28 $\circ$ 12	24 $\circ$ 12
W19	0 27 6	4 $\circ$ 50'03	9 $\Pi$ 25	23 $\circ$ 4	20 $\circ$ 7	8 $\circ$ 5	3 $\circ$ 13	17 $\circ$ 42	2 $\circ$ 30	21 $\circ$ 56	16 $\circ$ 12	10 $\circ$ 50	9 $\circ$ 36	28 $\circ$ 19	24 $\circ$ 10
T 20	0 31 3	5 $\circ$ 49'13	21 $\circ$ 16	24 $\circ$ 49	21 $\circ$ 14	8 $\circ$ 43	3 $\circ$ 25	17 $\circ$ 48	2 $\circ$ 34	21 $\circ$ 55	16 $\circ$ 11	10 $\circ$ 47	9 $\circ$ 33	28 $\circ$ 26	24 $\circ$ 8
F 21	0 34 59	6 $\circ$ 48'26	3 $\alpha$ 13	26 $\circ$ 34	22 $\circ$ 20	9 $\circ$ 21	3 $\circ$ 37	17 $\circ$ 54	2 $\circ$ 37	21 $\circ$ 53	16 $\circ$ 10	10 $\circ$ D45	9 $\circ$ 30	28 $\circ$ 33	24 $\circ$ 6
S 22	0 38 56	7 $\circ$ 47'41	15 $\circ$ 20	28 $\circ$ 20	23 $\circ$ 26	9 $\circ$ 59	3 $\circ$ 50	18 $\circ$ 0	2 $\circ$ 40	21 $\circ$ 52	16 $\circ$ 10	10 $\circ$ 46	9 $\circ$ 26	28 $\circ$ 39	24 $\circ$ 4
S 23	0 42 52	8 $\circ$ 46'58	27 $\circ$ 43	0 $\alpha$ 7	24 $\circ$ 31	10 $\circ$ 36	4 $\circ$ 2	18 $\circ$ 6	2 $\circ$ 44	21 $\circ$ 50	16 $\circ$ 9	10 $\circ$ 47	9 $\circ$ 23	28 $\circ$ 46	24 $\circ$ 2
M24	0 46 49	9 $\circ$ 46'18	10 $\delta$ 25	1 $\circ$ 53	25 $\circ$ 37	11 $\circ$ 14	4 $\circ$ 15	18 $\circ$ 12	2 $\circ$ 47	21 $\circ$ 48	16 $\circ$ 8	10 $\circ$ R47	9 $\circ$ 20	28 $\circ$ 53	24 $\circ$ 0
T 25	0 50 45	10 $\circ$ 45'39	23 $\circ$ 33	3 $\circ$ 39	26 $\circ$ 42	11 $\circ$ 52	4 $\circ$ 27	18 $\circ$ 18	2 $\circ$ 50	21 $\circ$ 47	16 $\circ$ 8	10 $\circ$ 46	9 $\circ$ 17	28 $\circ$ 59	23 $\circ$ 58
W26	0 54 42	11 $\circ$ 45'03	7 $\eta$ 7	5 $\circ$ 24	27 $\circ$ 47	12 $\circ$ 30	4 $\circ$ 40	18 $\circ$ 24	2 $\circ$ 53	21 $\circ$ 45	16 $\circ$ 7	10 $\circ$ 43	9 $\circ$ 14	29 $\circ$ 6	23 $\circ$ 56
T 27	0 58 38	12 $\circ$ 44'30	21 $\circ$ 9	7 $\circ$ 10	28 $\circ$ 52	13 $\circ$ 7	4 $\circ$ 53	18 $\circ$ 30	2 $\circ$ 56	21 $\circ$ 43	16 $\circ$ 6	10 $\circ$ 38	9 $\circ$ 10	29 $\circ$ 13	23 $\circ$ 54
F 28	1 2 35	13 $\circ$ 43'58	5 $\alpha$ 35	8 $\circ$ 55	29 $\circ$ 57	13 $\circ$ 45	5 $\circ$ 5	18 $\circ$ 37	2 $\circ$ 59	21 $\circ$ 42	16 $\circ$ 6	10 $\circ$ 30	9 $\circ$ 7	29 $\circ$ 20	23 $\circ$ 51
S 29	1 6 31	14 $\circ$ 43'29	20 $\circ$ 21	10 $\circ$ 39	1 $\alpha$ 2	14 $\circ$ 23	5 $\circ$ 18	18 $\circ$ 43	3 $\circ$ 2	21 $\circ$ 40	16 $\circ$ 5	10 $\circ$ 21	9 $\circ$ 4	29 $\circ$ 26	23 $\circ$ 49
S 30	1 10 28	15 $\alpha$ 43'01	5 $\mu$ 18	12 $\alpha$ 23	2 $\alpha$ 6	15 $\eta$ 1	5 $\mu$ 31	18 $\mu$ 49	3 $\eta$ 5	21 $\vee$ 38	16 $\alpha$ 5	10 $\alpha$ 11	9 $\alpha$ 1	29 $\gamma$ 33	23 $\gamma$ 47

Delta T = 154.07 sec. Julian Calendar 1 Sept. 1543 == Greg. Calendar 11 Sept. 1543

OCTOBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
M 1	1 14 25	16 $\alpha$ 42'36	20 $\mu$ 17	14 $\alpha$ 6	3 $\alpha$ 10	15 $\eta$ 38	5 $\mu$ 44	18 $\mu$ 56	3 $\eta$ 8	21 $\circ$ R37	16 $\circ$ R 4	10 $\circ$ R 1	8 $\alpha$ 58	29 $\gamma$ 40	23 $\circ$ R44
T 2	1 18 21	17 $\circ$ 42'12	5 $\alpha$ 8	15 $\circ$ 49	4 $\circ$ 14	16 $\circ$ 16	5 $\circ$ 57	19 $\circ$ 2	3 $\circ$ 11	21 $\vee$ 35	16 $\alpha$ 4	9 $\alpha$ 53	8 $\circ$ 55	29 $\circ$ 46	23 $\gamma$ 42
W 3	1 22 18	18 $\circ$ 41'51	19 $\circ$ 45	17 $\circ$ 31	5 $\circ$ 18	16 $\circ$ 54	6 $\circ$ 10	19 $\circ$ 8	3 $\circ$ 14	21 $\circ$ 33	16 $\circ$ 3	9 $\circ$ 47	8 $\circ$ 51	29 $\circ$ 53	23 $\circ$ 39
T 4	1 26 14	19 $\circ$ 41'31	4 $\gamma$ 2	19 $\circ$ 12	6 $\circ$ 21	17 $\circ$ 31	6 $\circ$ 22	19 $\circ$ 15	3 $\circ$ 17	21 $\circ$ 32	16 $\circ$ 3	9 $\circ$ 44	8 $\circ$ 48	29 $\circ$ 59	23 $\circ$ 37
F 5	1 30 11	20 $\circ$ 41'13	17 $\circ$ 59	20 $\circ$ 53	7 $\circ$ 24	18 $\circ$ 9	6 $\circ$ 35	19 $\circ$ 21	3 $\circ$ 20	21 $\circ$ 30	16 $\circ$ 2	9 $\circ$ D44	8 $\circ$ 45	0 $\Pi$ 7	23 $\circ$ 34
S 6	1 34 7	21 $\circ$ 40'56	1 $\alpha$ 35	22 $\circ$ 33	8 $\circ$ 27	18 $\circ$ 47	6 $\circ$ 48	19 $\circ$ 28	3 $\circ$ 23	21 $\circ$ 28	16 $\circ$ 2	9 $\circ$ 44	8 $\circ$ 42	0 $\circ$ 13	23 $\circ$ 31
S 7	1 38 4	22 $\circ$ 40'41	14 $\circ$ 52	24 $\circ$ 13	9 $\circ$ 30	19 $\circ$ 24	7 $\circ$ 1	19 $\circ$ 34	3 $\circ$ 26	21 $\circ$ 27	16 $\circ$ 2	9 $\circ$ R44	8 $\circ$ 39	0 $\circ$ 20	23 $\circ$ 29
M 8	1 42 0	23 $\circ$ 40'28	27 $\circ$ 53	25 $\circ$ 52	10 $\circ$ 32	20 $\circ$ 2	7 $\circ$ 14	19 $\circ$ 41	3 $\circ$ 28	21 $\circ$ 25	16 $\circ$ 1	9 $\circ$ 42	8 $\circ$ 35	0 $\circ$ 27	23 $\circ$ 26
T 9	1 45 57	24 $\circ$ 40'17	10 $\eta$ 40	27 $\circ$ 30	11 $\circ$ 34	20 $\circ$ 40	7 $\circ$ 27	19 $\circ$ 48	3 $\circ$ 31	21 $\circ$ 23	16 $\circ$ 1	9 $\circ$ 39	8 $\circ$ 32	0 $\circ$ 33	23 $\circ$ 23
W10	1 49 54	25 $\circ$ 40'07	23 $\circ$ 16	29 $\circ$ 8	12 $\circ$ 36	21 $\circ$ 17	7 $\circ$ 40	19 $\circ$ 54	3 $\circ$ 34	21 $\circ$ 22	16 $\circ$ 1	9 $\circ$ 32	8 $\circ$ 29	0 $\circ$ 40	23 $\circ$ 20
T 11	1 53 50	26 $\circ$ 39'59	5 $\vee$ 42	0 $\mu$ 46	13 $\circ$ 37	21 $\circ$ 55	7 $\circ$ 54	20 $\circ$ 1	3 $\circ$ 36	21 $\circ$ 20	16 $\circ$ 0	9 $\circ$ 23	8 $\circ$ 26	0 $\circ$ 47	23 $\circ$ 18
F 12	1 57 47	27 $\circ$ 39'53	17 $\circ$ 59	2 $\circ$ 22	14 $\circ$ 38	22 $\circ$ 32	8 $\circ$ 7	20 $\circ$ 8	3 $\circ$ 39	21 $\circ$ 18	16 $\circ$ 0	9 $\circ$ 11	8 $\circ$ 23	0 $\circ$ 54	23 $\circ$ 15
S 13	2 1 43	28 $\circ$ 39'49	0 $\gamma$ 8	3 $\circ$ 59	15 $\circ$ 38	23 $\circ$ 10	8 $\circ$ 20	20 $\circ$ 15	3 $\circ$ 41	21 $\circ$ 16	16 $\circ$ 0	8 $\circ$ 57	8 $\circ$ 20	1 $\circ$ 0	23 $\circ$ 12
S 14	2 5 40	29 $\circ$ 39'47	12 $\circ$ 11	5 $\circ$ 35	16 $\circ$ 39	23 $\circ$ 48	8 $\circ$ 33	20 $\circ$ 21	3 $\circ$ 44	21 $\circ$ 15	16 $\circ$ 0	8 $\circ$ 43	8 $\circ$ 16	1 $\circ$ 7	23 $\circ$ 9
M15	2 9 36	0 $\mu$ 39'47	24 $\circ$ 7	7 $\circ$ 10	17 $\circ$ 39	24 $\circ$ 25	8 $\circ$ 46	20 $\circ$ 28	3 $\circ$ 46	21 $\circ$ 13	15 $\circ$ 59	8 $\circ$ 29	8 $\circ$ 13	1 $\circ$ 14	23 $\circ$ 6
T 16	2 13 33	1 $\circ$ 39'49	5 $\Pi$ 59	8 $\circ$ 45	18 $\circ$ 38	25 $\circ$ 3	8 $\circ$ 59	20 $\circ$ 35	3 $\circ$ 49	21 $\circ$ 12	15 $\circ$ 59	8 $\circ$ 17	8 $\circ$ 10	1 $\circ$ 20	23 $\circ$ 3
W17	2 17 29	2 $\circ$ 39'53	17 $\circ$ 49	10 $\circ$ 19	19 $\circ$ 37	25 $\circ$ 40	9 $\circ$ 12	20 $\circ$ 42	3 $\circ$ 51	21 $\circ$ 10	15 $\circ$ 59	8 $\circ$ 7	8 $\circ$ 7	1 $\circ$ 27	23 $\circ$ 0
T 18	2 21 26	3 $\circ$ 39'59	29 $\circ$ 39	11 $\circ$ 53	20 $\circ$ 36	26 $\circ$ 18	9 $\circ$ 26	20 $\circ$ 49	3 $\circ$ 53	21 $\circ$ 8	15<				

# SWISS EPHEMERIS for the year 1543

## NOVEMBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄	♅
T 1	3 16 38	17 <sup>h</sup> 44' <sup>m</sup> 52"	13 <sup>h</sup> 34' <sup>m</sup> 42"	3 <sup>h</sup> 38' <sup>m</sup> 8"	3 <sup>h</sup> 33' <sup>m</sup> 24"	5 <sup>h</sup> 5 <sup>m</sup> 2"	12 <sup>h</sup> 31' <sup>m</sup>	22 <sup>h</sup> 27' <sup>m</sup>	4 <sup>h</sup> 21' <sup>m</sup>	20°R46	16 <sup>h</sup> 1	6°R41	7 <sup>h</sup> 19' <sup>m</sup>	3 <sup>h</sup> 31' <sup>m</sup> 8"	22°R11
F 2	3 20 34	18°45'25"	27°50'	4°36'	4°14'	5°40'	12°44'	22°34'	4°23'	20°Y45	16° 1	6 <sup>h</sup> 39'	7°16'	3°14'	22°R 7
S 3	3 24 31	19°46'00"	11 <sup>h</sup> 31' <sup>m</sup>	6° 4'	5° 3'	6°17'	12°58'	22°41'	4°25'	20°44'	16° 1	6°D39	7°13'	3°21'	22° 4
S 4	3 28 27	20°46'36"	24°48'	7°31'	5°52'	6°54'	13°11'	22°48'	4°26'	20°42'	16° 2	6°R39	7°10'	3°28'	22° 1
M 5	3 32 24	21°47'13"	7 <sup>h</sup> 43' <sup>m</sup>	8°58'	6°40'	7°32'	13°24'	22°55'	4°28'	20°41'	16° 2	6°38'	7° 7'	3°35'	21°57
T 6	3 36 21	22°47'51"	20°21'	10°24'	7°26'	8° 9'	13°37'	23° 2'	4°29'	20°39'	16° 2	6°35'	7° 3'	3°41'	21°54
W 7	3 40 17	23°48'30"	2 <sup>h</sup> Y45'	11°49'	8°12'	8°46'	13°50'	23° 9'	4°30'	20°38'	16° 3	6°29'	7° 0'	3°48'	21°51
T 8	3 44 14	24°49'11"	14°59'	13°13'	8°57'	9°24'	14° 3'	23°17'	4°32'	20°37'	16° 3	6°21'	6°57'	3°55'	21°47
F 9	3 48 10	25°49'53"	27° 4'	14°37'	9°41'	10° 1'	14°17'	23°24'	4°33'	20°35'	16° 4	6° 9'	6°54'	4° 1'	21°44
S 10	3 52 7	26°50'36"	9 <sup>h</sup> 4'	15°59'	10°24'	10°38'	14°30'	23°31'	4°34'	20°34'	16° 4	5°56'	6°51'	4° 8'	21°41
S 11	3 56 3	27°51'20"	21° 0'	17°21'	11° 6'	11°15'	14°43'	23°38'	4°35'	20°33'	16° 5	5°43'	6°47'	4°15'	21°37
M 12	4 0 0	28°52'06"	2 <sup>h</sup> II53'	18°41'	11°46'	11°53'	14°56'	23°45'	4°36'	20°32'	16° 5	5°30'	6°44'	4°22'	21°34
T 13	4 3 56	29°52'53"	14°44'	19°59'	12°26'	12°30'	15° 9'	23°52'	4°37'	20°30'	16° 6	5°18'	6°41'	4°28'	21°30
W 14	4 7 53	0 <sup>h</sup> 53'41"	26°35'	21°16'	13° 4'	13° 7'	15°22'	23°59'	4°38'	20°29'	16° 7	5° 9'	6°38'	4°35'	21°27
T 15	4 11 50	1°54'30"	8 <sup>h</sup> 32' <sup>m</sup>	22°31'	13°41'	13°44'	15°35'	24° 6'	4°39'	20°28'	16° 7	5° 3'	6°35'	4°42'	21°24
F 16	4 15 46	2°55'21"	20°26'	23°43'	14°17'	14°21'	15°48'	24°13'	4°40'	20°27'	16° 8	4°59'	6°32'	4°48'	21°21
S 17	4 19 43	3°56'14"	2 <sup>h</sup> Q32'	24°53'	14°51'	14°59'	16° 1'	24°20'	4°41'	20°26'	16° 9	4°D58	6°28'	4°55'	21°17
S 18	4 23 39	4°57'07"	14°50'	26° 0'	15°24'	15°36'	16°14'	24°27'	4°42'	20°25'	16° 9	4°58'	6°25'	5° 2'	21°14
M 19	4 27 36	5°58'02"	27°25'	27° 3'	15°55'	16°13'	16°27'	24°34'	4°42'	20°24'	16°10	4°59'	6°22'	5° 8'	21°11
T 20	4 31 32	6°58'58"	10 <sup>h</sup> 7'21"	28° 2'	16°25'	16°50'	16°40'	24°41'	4°43'	20°22'	16°11	4°R59	6°19'	5°15'	21° 7
W 21	4 35 29	7°59'55"	23°42'	28°57'	16°53'	17°27'	16°53'	24°48'	4°44'	20°21'	16°12	4°58'	6°16'	5°22'	21° 4
T 22	4 39 25	9° 0'54"	7 <sup>h</sup> 32' <sup>m</sup>	29°46'	17°20'	18° 4'	17° 5'	24°55'	4°44'	20°20'	16°13	4°55'	6°13'	5°29'	21° 1
F 23	4 43 22	10° 1'54"	21°52'	0 <sup>h</sup> 32'29"	17°44'	18°41'	17°18'	25° 2'	4°45'	20°20'	16°14	4°49'	6° 9'	5°35'	20°58
S 24	4 47 19	11° 2'55"	6 <sup>h</sup> 13'37"	1° 6'	18° 7'	19°18'	17°31'	25° 9'	4°45'	20°19'	16°14	4°42'	6° 6'	5°42'	20°55
S 25	4 51 15	12° 3'57"	21°44'	1°35'	18°29'	19°55'	17°44'	25°16'	4°46'	20°18'	16°15	4°33'	6° 3'	5°49'	20°52
M 26	4 55 12	13° 5'01"	7 <sup>h</sup> 1' 2"	1°56'	18°48'	20°33'	17°56'	25°23'	4°46'	20°17'	16°16	4°25'	6° 0'	5°55'	20°49
T 27	4 59 8	14° 6'05"	22°20'	2° 7'	19° 5'	21°10'	18° 9'	25°30'	4°46'	20°16'	16°17	4°18'	5°57'	6° 2'	20°46
W 28	5 3 5	15° 7'10"	7 <sup>h</sup> 32' <sup>m</sup>	2°R 8'	19°20'	21°46'	18°22'	25°37'	4°46'	20°15'	16°18	4°13'	5°53'	6° 9'	20°43
T 29	5 7 1	16° 8'15"	22°14'	1°58'	19°33'	22°23'	18°34'	25°44'	4°47'	20°14'	16°19	4°10'	5°50'	6°16'	20°40
F 30	5 10 58	17 <sup>h</sup> 9'21"	6 <sup>h</sup> 33'36"	1 <sup>h</sup> 33'37"	19 <sup>h</sup> 33'44"	23 <sup>h</sup> 5'0"	18 <sup>h</sup> 14'47"	25 <sup>h</sup> 15'50"	4 <sup>h</sup> 47'47"	20 <sup>h</sup> Y14'	16 <sup>h</sup> 20'	4°D 9'	5 <sup>h</sup> 47'	6 <sup>h</sup> II22'	20 <sup>h</sup> R37'

Delta T = 153.94 sec. Julian Calendar 1 Nov. 1543 == Greg. Calendar 11 Nov. 1543

## DECEMBER 1543 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄	♅
S 1	5 14 55	18 <sup>h</sup> 17'28"	20 <sup>h</sup> 29'	1°R 4'	19 <sup>h</sup> 35'53"	23 <sup>h</sup> 32'37"	18 <sup>h</sup> 15'59"	25 <sup>h</sup> 15'57"	4°R47'	20°R13	16 <sup>h</sup> 21'	4 <sup>h</sup> 10'	5 <sup>h</sup> 44'	6 <sup>h</sup> II29'	20°R34
S 2	5 18 51	19°11'34"	3 <sup>h</sup> 35' <sup>m</sup>	0 <sup>h</sup> 31'19"	19°59'	24°14'	19°11'	26° 4'	4 <sup>h</sup> 47'47"	20°Y12'	16°22'	4°12'	5°41'	6°36'	20°R31
M 3	5 22 48	20°12'41"	16°55'	29 <sup>h</sup> 12'24"	20° 3'	24°51'	19°24'	26°11'	4°47'	20°11'	16°23'	4°R12'	5°38'	6°42'	20°28
T 4	5 26 44	21°13'48"	29°34'	28°19'	20°R 4'	25°28'	19°36'	26°17'	4°46'	20°11'	16°24'	4°12'	5°34'	6°49'	20°25
W 5	5 30 41	22°14'55"	11 <sup>h</sup> Y55'	27° 6'	20° 3'	26° 5'	19°48'	26°24'	4°46'	20°10'	16°26'	4°10'	5°31'	6°56'	20°23
T 6	5 34 37	23°16'03"	24° 4'	25°47'	20° 0'	26°41'	20° 0'	26°31'	4°46'	20°10'	16°27'	4° 6'	5°28'	7° 2'	20°20
F 7	5 38 34	24°17'11"	6 <sup>h</sup> 3'	24°25'	19°54'	27°18'	20°13'	26°37'	4°46'	20° 9'	16°28'	4° 0'	5°25'	7° 9'	20°17
S 8	5 42 30	25°18'19"	17°58'	23° 3'	19°45'	27°55'	20°25'	26°44'	4°45'	20° 9'	16°29'	3°53'	5°22'	7°16'	20°15
S 9	5 46 27	26°19'27"	29°49'	21°42'	19°34'	28°32'	20°37'	26°50'	4°45'	20° 8'	16°30'	3°45'	5°19'	7°23'	20°12
M 10	5 50 24	27°20'36"	11 <sup>h</sup> II40'	20°27'	19°21'	29° 8'	20°49'	26°57'	4°44'	20° 8'	16°32'	3°38'	5°15'	7°29'	20°10
T 11	5 54 20	28°21'44"	23°33'	19°19'	19° 5'	29°45'	21° 0'	27° 3'	4°44'	20° 7'	16°33'	3°32'	5°12'	7°36'	20° 7
W 12	5 58 17	29°22'53"	5 <sup>h</sup> 32' <sup>m</sup>	18°19'	18°47'	0 <sup>h</sup> 11'22"	21°12'	27°10'	4°43'	20° 7'	16°34'	3°27'	5° 9'	7°43'	20° 5
T 13	6 2 13	0 <sup>h</sup> 23'24"	17°30'	17°29'	18°26'	0°58'	21°24'	27°16'	4°43'	20° 7'	16°35'	3°24'	5° 6'	7°49'	20° 2
F 14	6 6 10	1°25'12"	29°37'	16°49'	18° 3'	1°35'	21°36'	27°22'	4°42'	20° 6'	16°37'	3°D23	5° 3'	7°56'	20° 0
S 15	6 10 6	2°26'22"	11 <sup>h</sup> Q53'	16°19'	17°38'	2°12'	21°47'	27°28'	4°41'	20° 6'	16°38'	3°23'	4°59'	8° 3'	19°58
S 16	6 14 3	3°27'32"	24°20'	16° 1'	17°10'	2°48'	21°59'	27°35'	4°40'	20° 6'	16°39'	3°24'	4°56'	8° 9'	19°56
M 17	6 17 59	4°28'42"	7 <sup>h</sup> 7' 1"	15°D52'	16°41'	3°25'	22°10'	27°41'	4°40'	20° 6'	16°41'	3°26'	4°53'	8°16'	19°53
T 18	6 21 56	5°29'52"	20° 0'	15°52'	16°10'	4° 1'	22°22'	27°47'	4°39'	20° 5'	16°42'	3°28'	4°50'	8°23'	19°51
W 19	6 25 53	6°31'03"	3 <sup>h</sup> 31'18"	16° 1'	15°38'	4°38'	22°33'	27°53'	4°38'	20° 5'	16°43'	3°R28	4°47'	8°30'	19°49
T 20	6 29 49	7°32'14"	16°59'	16°19'	15° 4'	5°14'	22°44'	27°59'	4°37'	20° 5'	16°45'	3°28'	4°44'	8°36'	19°47
F 21	6 33 46	8°33'25"	1 <sup>h</sup> 13' 3"	16°44'	14°30'	5°50'	22°55'	28° 5'	4°36'	20° 5'	16°46'	3°27'	4°40'	8°43'	19°45
S 22	6 37 42	9°34'36"	15°29'	17°15'	13°54'	6°27'	23° 6'	28°11'	4°35'	20°D 5'	16°48'	3°24'	4°37'	8°50'	19°43
S 23	6 41 39	10°35'48"	0 <sup>h</sup> 15'	17°52'	13°18'	7° 3'	23°17'	28°17'	4°33'	20° 5'	16°49'	3°21'	4°34'	8°56'	19°42
M 24	6 45 35	11°36'59"	15°14'	18°35'	12°41'	7°39'	23°28'	28°23'	4°32'	20° 5'	16°51'	3°18'	4°31'	9° 3'	19°40
T 25	6 49 32	12°38'11"	0 <sup>h</sup> 31'18"	19°22'	12° 5'	8°16'	23°39'	28°28'	4°31'	20° 5'	16°52'	3°15'	4°28'	9°10'	19°38
W 26	6 53 29	13°39'22"	15°18'	20°14'	11°28'	8°52'	23°50'	28°34'	4°30'	20° 5'	16°54'	3°13'	4°25'	9°16'	19°37
T 27	6 57 25	14°40'33"	0 <sup>h</sup> 4'	21° 9'	10°52'	9°28'	24° 1'	28°40'	4°28'	20° 6'	16°55'	3°D12	4°21'	9°23'	19°35
F 28	7 1 22	15°41'43"	14°31'	22° 8'	10°16'	10° 4'	24°11'	28°45'	4°27'	20° 6'	16°57'	3°13'	4°18'	9°30'	19°34
S 29	7 5 18	16°42'53"	28°32'	23°10'	9°42'	10°40'	24°22'	28°51'	4°25'	20° 6'	16°58'	3°14'	4°15'	9°37'	19°32
S 30	7 9 15	17°44'02"	12 <sup>h</sup> 8'	24°15'	9° 8'	11°17'	24°32'	28°56'	4°24'	20° 6'	17° 0'	3°15'	4°12'	9°43'	19°31
M 31	7 13 11	18 <sup>h</sup> 35'11"	25 <sup>h</sup> 17'	25 <sup>h</sup> 17'22"	8 <sup>h</sup> 33'36"	11 <sup>h</sup> 15'53"	24 <sup>h</sup> 14'42"	29 <sup>h</sup> 15' 2"	4 <sup>h</sup> 22'22"	20 <sup>h</sup> Y 6'	17 <sup>h</sup> 1	3 <sup>h</sup> 16'	4 <sup>h</sup> 9'	9 <sup>h</sup> II50'	19 <sup>h</sup> R30'

Delta T = 153.87 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]