

SWISS EPHEMERIS for the year 1551

JANUARY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	7 18 19	20 ³ 4'05	7 ¹¹ 30	29 ²⁷ 35	3 ³ 55	3 ⁰ R58	22 ⁰ R42	9 ⁵⁵ 54	8 ⁵ 7	5 ⁰ R51	26 ³⁶ 36	17 ⁰ R31	18 ¹¹ 41	24 ¹¹ 40	18 ⁰ R59								
F 2	7 22 15	21 ⁰ 5'11	21 ⁰ 12	0 ³ 58	5 ¹⁰ 10	3 ⁵⁸ 38	22 ¹¹ 36	10 ⁰ 1	8 ⁰ 7	5 ⁵ 51	26 ³⁷ 37	17 ¹¹ 27	18 ³ 38	24 ⁴⁷ 47	18 ⁵⁵ 55								
S 3	7 26 12	22 ⁰ 6'18	4 ⁷ 45	2 ²¹ 21	6 ²⁵ 25	3 ¹⁹ 19	22 ³⁰ 30	10 ⁰ 8	8 ⁰ R 7	5 ⁵¹ 51	26 ³⁹ 39	17 ²¹ 21	18 ³⁵ 35	24 ⁵⁴ 54	18 ⁵⁰ 50								
S 4	7 30 8	23 ⁰ 7'24	18 ⁰ 7	3 ⁴⁶ 46	7 ⁴¹ 41	3 ⁰ 0	22 ²⁴ 24	10 ¹⁵ 15	8 ⁰ 7	5 ⁵⁰ 50	26 ⁴⁰ 40	17 ¹³ 13	18 ³¹ 31	25 ⁰ 0	18 ⁴⁶ 46								
M 5	7 34 5	24 ⁰ 8'30	1 ³ 18	5 ¹² 12	8 ⁵⁶ 56	2 ⁴² 42	22 ¹⁸ 18	10 ²² 22	8 ⁰ 7	5 ⁵⁰ 50	26 ⁴² 42	17 ³ 3	18 ²⁸ 28	25 ⁷ 7	18 ⁴² 42								
T 6	7 38 1	25 ⁰ 9'35	14 ¹⁵ 15	6 ³⁸ 38	10 ¹¹ 11	2 ²⁵ 25	22 ¹² 12	10 ²⁹ 29	8 ⁰ 7	5 ⁵⁰ 50	26 ⁴³ 43	16 ⁵³ 53	18 ²⁵ 25	25 ¹⁴ 14	18 ³⁷ 37								
W 7	7 41 58	26 ⁰ 10'40	26 ⁰ 59	8 ⁵ 5	11 ²⁶ 26	2 ⁸ 8	22 ⁶ 6	10 ³⁶ 36	8 ⁰ 7	5 ⁰ D50	26 ⁴⁵ 45	16 ⁴⁴ 44	18 ²² 22	25 ²⁰ 20	18 ³³ 33								
T 8	7 45 54	27 ⁰ 11'43	9 ²⁸ 28	9 ³³ 33	12 ⁴² 42	1 ⁵² 52	22 ¹ 1	10 ⁴³ 43	8 ⁰ 6	5 ⁵⁰ 50	26 ⁴⁶ 46	16 ³⁶ 36	18 ¹⁹ 19	25 ²⁷ 27	18 ²⁹ 29								
F 9	7 49 51	28 ⁰ 12'46	21 ⁴⁵ 45	11 ¹ 1	13 ⁵⁷ 57	1 ³⁷ 37	21 ⁵⁶ 56	10 ⁵¹ 51	8 ⁰ 6	5 ⁵⁰ 50	26 ⁴⁸ 48	16 ³¹ 31	18 ¹⁶ 16	25 ³³ 33	18 ²⁴ 24								
S 10	7 53 48	29 ⁰ 13'48	3 ¹¹ 49	12 ³¹ 31	15 ¹² 12	1 ²³ 23	21 ⁵⁰ 50	10 ⁵⁸ 58	8 ⁰ 6	5 ⁵¹ 51	26 ⁴⁹ 49	16 ²⁷ 27	18 ¹² 12	25 ⁴⁰ 40	18 ²⁰ 20								
S 11	7 57 44	0 ¹⁴ 48	15 ⁴³ 43	14 ¹ 1	16 ²⁷ 27	1 ⁹ 9	21 ⁴⁶ 46	11 ⁵ 5	8 ⁰ 5	5 ⁵¹ 51	26 ⁵¹ 51	16 ⁰ D26	18 ⁹ 9	25 ⁴⁷ 47	18 ¹⁶ 16								
M 12	8 1 41	1 ¹⁵ 48	27 ³² 32	15 ³¹ 31	17 ⁴² 42	0 ⁵⁷ 57	21 ⁴¹ 41	11 ¹² 12	8 ⁰ 5	5 ⁵¹ 51	26 ⁵² 52	16 ²⁷ 27	18 ⁶ 6	25 ⁵³ 53	18 ¹¹ 11								
T 13	8 5 37	2 ¹⁶ 46	9 ¹¹ 18	17 ³ 3	18 ⁵⁸ 58	0 ⁴⁵ 45	21 ³⁶ 36	11 ¹⁹ 19	8 ⁰ 4	5 ⁵¹ 51	26 ⁵⁴ 54	16 ²⁸ 28	18 ³ 3	26 ⁰ 0	18 ⁷ 7								
W 14	8 9 34	3 ¹⁷ 43	21 ⁸ 8	18 ³⁵ 35	20 ¹³ 13	0 ³³ 33	21 ³² 32	11 ²⁶ 26	8 ⁰ 4	5 ⁵¹ 51	26 ⁵⁵ 55	16 ³⁰ 30	18 ⁰ 0	26 ⁷ 7	18 ³ 3								
T 15	8 13 30	4 ¹⁸ 39	3 ⁸ 6	20 ⁸ 8	21 ²⁸ 28	0 ²³ 23	21 ²⁷ 27	11 ³³ 33	8 ⁰ 3	5 ⁵² 52	26 ⁵⁷ 57	16 ⁰ R31	17 ⁵⁶ 56	26 ¹³ 13	17 ⁵⁹ 59								
F 16	8 17 27	5 ¹⁹ 34	15 ¹⁷ 17	21 ⁴¹ 41	22 ⁴³ 43	0 ¹³ 13	21 ²³ 23	11 ⁴¹ 41	8 ⁰ 2	5 ⁵² 52	26 ⁵⁸ 58	16 ³⁰ 30	17 ⁵³ 53	26 ²⁰ 20	17 ⁵⁵ 55								
S 17	8 21 23	6 ²⁰ 27	27 ⁴⁷ 47	23 ¹⁵ 15	23 ⁵⁸ 58	0 ⁴ 4	21 ¹⁹ 19	11 ⁴⁸ 48	8 ⁰ 2	5 ⁵² 52	27 ⁰ 0	16 ²⁸ 28	17 ⁵⁰ 50	26 ²⁷ 27	17 ⁵⁰ 50								
S 18	8 25 20	7 ²¹ 19	10 ¹¹ 39	24 ⁵⁰ 50	25 ¹⁴ 14	29 ¹¹ 56	21 ¹⁶ 16	11 ⁵⁵ 55	8 ⁰ 1	5 ⁵³ 53	27 ² 2	16 ²⁴ 24	17 ⁴⁷ 47	26 ³³ 33	17 ⁴⁶ 46								
M 19	8 29 17	8 ²² 09	23 ⁵⁷ 57	26 ²⁶ 26	26 ²⁹ 29	29 ⁴⁹ 49	21 ¹² 12	12 ² 2	8 ⁰ 0	5 ⁵³ 53	27 ³ 3	16 ¹⁸ 18	17 ⁴⁴ 44	26 ⁴⁰ 40	17 ⁴² 42								
T 20	8 33 13	9 ²² 58	7 ⁵ 41	28 ² 2	27 ⁴⁴ 44	29 ⁴³ 43	21 ⁹ 9	12 ⁹ 9	7 ⁵⁹ 59	5 ⁵³ 53	27 ⁵ 5	16 ¹² 12	17 ⁴¹ 41	26 ⁴⁷ 47	17 ³⁸ 38								
W 21	8 37 10	10 ²³ 46	21 ⁵⁰ 50	29 ³⁹ 39	28 ⁵⁹ 59	29 ³⁷ 37	21 ⁶ 6	12 ¹⁶ 16	7 ⁵⁸ 58	5 ⁵⁴ 54	27 ⁶ 6	16 ⁶ 6	17 ³⁷ 37	26 ⁵³ 53	17 ³⁴ 34								
T 22	8 41 6	11 ²⁴ 33	6 ¹⁰ 20	1 ¹⁷ 17	0 ¹⁴ 14	29 ³³ 33	21 ³ 3	12 ²⁴ 24	7 ⁵⁷ 57	5 ⁵⁴ 54	27 ⁸ 8	16 ¹ 1	17 ³⁴ 34	27 ⁰ 0	17 ³¹ 31								
F 23	8 45 3	12 ²⁵ 18	21 ⁵ 5	2 ⁵⁶ 56	1 ²⁹ 29	29 ²⁹ 29	21 ⁰ 0	12 ³¹ 31	7 ⁵⁶ 56	5 ⁵⁵ 55	27 ¹⁰ 10	15 ⁵⁸ 58	17 ³¹ 31	27 ⁶ 6	17 ²⁷ 27								
S 24	8 48 59	13 ²⁶ 01	5 ¹¹ 56	4 ³⁵ 35	2 ⁴⁴ 44	29 ²⁵ 25	20 ⁵⁸ 58	12 ³⁸ 38	7 ⁵⁵ 55	5 ⁵⁶ 56	27 ¹¹ 11	15 ⁵⁶ 56	17 ²⁸ 28	27 ¹³ 13	17 ²³ 23								
S 25	8 52 56	14 ²⁶ 44	20 ⁴⁶ 46	6 ¹⁶ 16	4 ⁰ 0	29 ²³ 23	20 ⁵⁵ 55	12 ⁴⁵ 45	7 ⁵⁴ 54	5 ⁵⁶ 56	27 ¹³ 13	15 ⁰ D55	17 ²⁵ 25	27 ²⁰ 20	17 ¹⁹ 19								
M 26	8 56 52	15 ²⁷ 25	5 ¹⁵ 29	7 ⁵⁷ 57	5 ¹⁵ 15	29 ²¹ 21	20 ⁵³ 53	12 ⁵² 52	7 ⁵³ 53	5 ⁵⁷ 57	27 ¹⁵ 15	15 ⁵⁶ 56	17 ²² 22	27 ²⁶ 26	17 ¹⁵ 15								
T 27	9 0 49	16 ²⁸ 05	19 ⁵⁸ 58	9 ³⁸ 38	6 ³⁰ 30	29 ²⁰ 20	20 ⁵¹ 51	13 ⁰ 0	7 ⁵¹ 51	5 ⁵⁸ 58	27 ¹⁶ 16	15 ⁵⁸ 58	17 ¹⁸ 18	27 ³³ 33	17 ¹² 12								
W 28	9 4 46	17 ²⁸ 44	4 ¹¹ 12	11 ²¹ 21	7 ⁴⁵ 45	29 ⁰ D20	20 ⁴⁹ 49	13 ⁷ 7	7 ⁵⁰ 50	5 ⁵⁸ 58	27 ¹⁸ 18	15 ⁵⁹ 59	17 ¹⁵ 15	27 ⁴⁰ 40	17 ⁸ 8								
T 29	9 8 42	18 ²⁹ 22	18 ⁷ 7	13 ⁵ 5	9 ⁰ 0	29 ²¹ 21	20 ⁴⁸ 48	13 ¹⁴ 14	7 ⁴⁹ 49	5 ⁵⁹ 59	27 ²⁰ 20	16 ⁰ R 0	17 ¹² 12	27 ⁴⁶ 46	17 ⁵ 5								
F 30	9 12 39	19 ²⁹ 59	1 ¹⁷ 44	14 ⁴⁹ 49	10 ¹⁵ 15	29 ²² 22	20 ⁴⁷ 47	13 ²¹ 21	7 ⁴⁷ 47	6 ⁰ 0	27 ²¹ 21	15 ⁵⁹ 59	17 ⁹ 9	27 ⁵³ 53	17 ¹ 1								
S 31	9 16 35	20 ³⁰ 35	15 ¹⁷ 4	16 ³⁴ 34	11 ³⁰ 30	29 ¹¹ 24	20 ¹¹ 45	13 ²⁸ 28	7 ⁴⁶ 46	6 ¹ 1	27 ²³ 23	15 ⁵⁷ 57	17 ¹¹ 11	28 ¹¹ 11	16 ⁵⁸ 58								

Delta T = 135.48 sec. Julian Calendar 1 Jan. 1551 == Greg. Calendar 11 Jan. 1551

FEBRUARY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	9 20 32	21 ³¹ 09	28 ⁷ 8	18 ²¹ 21	12 ⁴⁵ 45	29 ¹¹ 27	20 ⁰ R44	13 ³⁶ 36	7 ⁰ R44	6 ¹ 1	27 ²⁵ 25	15 ⁰ R54	17 ¹¹ 2	28 ¹¹ 6	16 ⁰ R55								
M 2	9 24 28	22 ³¹ 42	10 ³ 57	20 ⁸ 8	14 ⁰ 0	29 ³¹ 31	20 ¹¹ 44	13 ⁴³ 43	7 ⁴³ 43	6 ² 2	27 ²⁶ 26	15 ¹¹ 51	16 ⁵⁹ 59	28 ¹³ 13	16 ⁵¹ 51								
T 3	9 28 25	23 ³² 14	23 ³⁴ 34	21 ⁵⁶ 56	15 ¹⁵ 15	29 ³⁵ 35	20 ⁴³ 43	13 ⁵⁰ 50	7 ⁴¹ 41	6 ³ 3	27 ²⁸ 28	15 ⁴⁷ 47	16 ⁵⁶ 56	28 ²⁰ 20	16 ⁴⁸ 48								
W 4	9 32 21	24 ³² 44	5 ⁵⁸ 58	23 ⁴⁴ 44	16 ³⁰ 30	29 ⁴⁰ 40	20 ⁴³ 43	13 ⁵⁷ 57	7 ⁴⁰ 40	6 ⁴ 4	27 ³⁰ 30	15 ⁴³ 43	16 ⁵³ 53	28 ²⁶ 26	16 ⁴⁵ 45								
T 5	9 36 18	25 ³³ 13	18 ¹¹ 11	25 ³⁴ 34	17 ⁴⁶ 46	29 ⁴⁵ 45	20 ⁰ D43	14 ⁴ 4	7 ³⁸ 38	6 ⁵ 5	27 ³¹ 31	15 ⁴¹ 41	16 ⁵⁰ 50	28 ³³ 33	16 ⁴² 42								
F 6	9 40 15	26 ³³ 40	0 ¹⁵ 15	27 ²⁵ 25	19 ¹ 1	29 ⁵¹ 51	20 ⁴³ 43	14 ¹¹ 11	7 ³⁶ 36	6 ⁶ 6	27 ³³ 33	15 ³⁹ 39	16 ⁴⁷ 47	28 ⁴⁰ 40	16 ³⁹ 39								
S 7	9 44 11	27 ³⁴ 05	12 ¹² 12	29 ¹⁶ 16	20 ¹⁶ 16	29 ⁵⁸ 58	20 ⁴³ 43	14 ¹⁸ 18	7 ³⁴ 34	6 ⁷ 7	27 ³⁵ 35	15 ⁰ D38	16 ⁴³ 43	28 ⁴⁶ 46	16 ³⁶ 36								
S 8	9 48 8	28 ³⁴ 29	24 ² 2	1 ¹¹ 8	21 ³¹ 31	0 ⁵⁶ 6	20 ⁴³ 43	14 ²⁵ 25	7 ³³ 33	6 ⁸ 8	27 ³⁶ 36	15 ³⁸ 38	16 ⁴⁰ 40	28 ⁵³ 53	16 ³⁴ 34								
M 9	9 52 4	29 ³⁴ 51	5 ¹¹ 50	3 ¹ 1	22 ⁴⁶ 46	0 ¹⁴ 14	20 ⁴⁴ 44	14 ³² 32	7 ³¹ 31	6 ⁹ 9	27 ³⁸ 38	15 ³⁹ 39	16 ³⁷ 37	28 ⁵⁹ 59	16 ³¹ 31								
T 10	9 56 1	0 ¹¹ 35 10	17 ³⁷ 37	4 ⁵⁴ 54	24 ¹ 1	0 ²³ 23	20 ⁴⁵ 45	14 ³⁹ 39	7 ²⁹ 29	6 ¹¹ 11	27 ⁴⁰ 40	15 ⁴⁰ 40	16 ³⁴ 34	29 ⁶ 6	16 ²⁸ 28								
W 11	9 59 57	1 ³⁵ 28	29 ²⁷ 27	6 ⁴⁸ 48	25 ¹⁶ 16	0 ³² 32	20 ⁴⁶ 46	14 ⁴⁶ 46	7 ²⁷ 27	6 ¹² 12	27 ⁴¹ 41	15 ⁴² 42	16 ³¹ 31	29 ¹³ 13	16 ²⁶ 26								
T 12	10 3 54	2 ³⁵ 44	11 ⁸ 25	8 ⁴³ 43	26 ³¹ 31	0 ⁴² 42	20 ⁴⁷ 47	14 ⁵³ 53	7 ²⁵ 25	6 ¹³ 13	27 ⁴³ 43	15 ⁴³ 43	16 ²⁷ 27	29 ¹⁹ 19	16 ²³ 23								
F 13	10 7 50	3 ³⁵ 58	23 ³⁵ 35	10 ³⁸ 38	27																		

SWISS EPHEMERIS for the year 1551

MARCH 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	11 10 55	19°35'07	8°31	7°48	17°43	4°49	21°37	16°48	6°47	6°37	28°11	15°40	15°33	1°12	15°55
M 2	11 14 52	20°34'49	20°39	8°56	18°58	5° 8	21°42	16°54	6°45	6°39	28°13	15°41	15°30	1°19	15°54
T 3	11 18 48	21°34'28	3°38	9°56	20°12	5°26	21°47	17° 1	6°43	6°41	28°14	15°41	15°27	1°26	15°54
W 4	11 22 45	22°34'06	15°12	10°50	21°27	5°46	21°52	17° 7	6°40	6°43	28°16	15°42	15°24	1°32	15°53
T 5	11 26 41	23°33'42	27°12	11°36	22°42	6° 5	21°57	17°13	6°38	6°44	28°17	15°43	15°21	1°39	15°53
F 6	11 30 38	24°33'16	9°36	12°15	23°56	6°25	22° 2	17°20	6°35	6°46	28°19	15°43	15°18	1°46	15°52
S 7	11 34 35	25°32'48	20°56	12°45	25°11	6°46	22° 7	17°26	6°33	6°48	28°20	15°R43	15°14	1°52	15°52
S 8	11 38 31	26°32'18	2°43	13° 8	26°26	7° 7	22°13	17°32	6°30	6°50	28°22	15°43	15°11	1°59	15°52
M 9	11 42 28	27°31'46	14°31	13°23	27°40	7°28	22°19	17°38	6°27	6°51	28°23	15°41	15° 8	2° 6	15°52
T 10	11 46 24	28°31'11	26°21	13°R31	28°55	7°49	22°25	17°44	6°25	6°53	28°25	15°40	15° 5	2°12	15°D52
W11	11 50 21	29°30'35	8°16	13°30	0°49	8°11	22°31	17°50	6°22	6°55	28°26	15°38	15° 2	2°19	15°52
T 12	11 54 17	0°49'29'56	20°19	13°22	1°24	8°33	22°37	17°56	6°20	6°57	28°28	15°36	14°58	2°26	15°52
F 13	11 58 14	1°29'15	2°11'31	13° 7	2°38	8°55	22°43	18° 2	6°17	6°59	28°29	15°33	14°55	2°32	15°52
S 14	12 2 10	2°28'32	14°58	12°45	3°53	9°18	22°50	18° 8	6°15	7° 1	28°31	15°32	14°52	2°39	15°53
S 15	12 6 7	3°27'47	27°42	12°18	5° 7	9°41	22°57	18°14	6°12	7° 3	28°32	15°D31	14°49	2°46	15°53
M16	12 10 4	4°26'59	10°46	11°44	6°22	10° 4	23° 3	18°19	6° 9	7° 5	28°33	15°31	14°46	2°52	15°54
T 17	12 14 0	5°26'09	24°15	11° 7	7°36	10°27	23°10	18°25	6° 7	7° 7	28°35	15°32	14°43	2°59	15°54
W18	12 17 57	6°25'16	8°19	10°25	8°51	10°51	23°18	18°31	6° 4	7° 9	28°36	15°33	14°39	3° 6	15°55
T 19	12 21 53	7°24'21	22°28	9°40	10° 5	11°15	23°25	18°36	6° 2	7°11	28°38	15°35	14°36	3°12	15°56
F 20	12 25 50	8°23'24	7°12	8°53	11°20	11°39	23°32	18°42	5°59	7°13	28°39	15°36	14°33	3°19	15°57
S 21	12 29 46	9°22'24	22°13	8° 5	12°34	12° 4	23°40	18°47	5°56	7°15	28°40	15°R36	14°30	3°25	15°58
S 22	12 33 43	10°21'23	7°26	7°17	13°48	12°28	23°47	18°53	5°54	7°17	28°42	15°34	14°27	3°32	15°59
M23	12 37 39	11°20'19	22°40	6°30	15° 3	12°53	23°55	18°58	5°51	7°19	28°43	15°32	14°24	3°39	16° 1
T 24	12 41 36	12°19'13	7°45	5°44	16°17	13°19	24° 3	19° 3	5°49	7°21	28°44	15°29	14°20	3°45	16° 2
W25	12 45 32	13°18'06	22°32	5° 1	17°31	13°44	24°11	19° 8	5°46	7°23	28°46	15°25	14°17	3°52	16° 3
T 26	12 49 29	14°16'57	6°55	4°21	18°46	14°10	24°19	19°14	5°44	7°25	28°47	15°21	14°14	3°59	16° 5
F 27	12 53 26	15°15'46	20°51	3°45	20° 0	14°36	24°28	19°19	5°41	7°27	28°48	15°18	14°11	4° 5	16° 7
S 28	12 57 22	16°14'33	4°17	3°13	21°14	15° 2	24°36	19°24	5°39	7°29	28°49	15°16	14° 8	4°12	16° 9
S 29	13 1 19	17°13'18	17°17	2°45	22°28	15°28	24°45	19°29	5°36	7°31	28°51	15°D15	14° 4	4°19	16°10
M30	13 5 15	18°12'02	29°54	2°22	23°43	15°55	24°54	19°33	5°34	7°34	28°52	15°16	14° 1	4°25	16°12
T 31	13 9 12	19°10'44	12°12	2°49	24°57	16°21	25°11	19°38	5°31	7°36	28°53	15°17	13°58	4°32	16°14

Delta T = 135.39 sec. Julian Calendar 1 March 1551 == Greg. Calendar 11 March 1551

APRIL 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	13 13 8	20°49'25	24°16	1°R52	26°11	16°48	25°11	19°43	5°R29	7°38	28°54	15°19	13°55	4°49	16°17
T 2	13 17 5	21° 8'03	6°38	1°45	27°25	17°15	25°20	19°48	5°26	7°40	28°55	15°20	13°52	4°45	16°19
F 3	13 21 1	22° 6'40	17°58	1°D43	28°39	17°43	25°30	19°52	5°24	7°42	28°56	15°R21	13°49	4°52	16°21
S 4	13 24 58	23° 5'15	29°44	1°46	29°53	18°10	25°39	19°57	5°21	7°45	28°57	15°20	13°45	4°59	16°24
S 5	13 28 55	24° 3'48	11°32	1°54	1°8	18°38	25°48	20° 1	5°19	7°47	28°59	15°17	13°42	5° 5	16°26
M 6	13 32 51	25° 2'19	23°23	2° 7	2°22	19° 6	25°58	20° 5	5°16	7°49	29° 0	15°12	13°39	5°12	16°29
T 7	13 36 48	26° 0'48	5°19	2°24	3°36	19°34	26° 7	20°10	5°14	7°51	29° 1	15° 5	13°36	5°19	16°31
W 8	13 40 44	26°59'16	17°23	2°47	4°50	20° 2	26°17	20°14	5°12	7°53	29° 2	14°58	13°33	5°25	16°34
T 9	13 44 41	27°57'41	29°36	3°13	6° 4	20°31	26°27	20°18	5° 9	7°56	29° 3	14°50	13°30	5°32	16°37
F 10	13 48 37	28°56'05	11°11	3°44	7°18	20°59	26°37	20°22	5° 7	7°58	29° 4	14°42	13°26	5°39	16°40
S 11	13 52 34	29°54'27	24°33	4°19	8°32	21°28	26°47	20°26	5° 5	8° 0	29° 5	14°36	13°23	5°45	16°43
S 12	13 56 30	0°52'46	7°21	4°58	9°46	21°57	26°57	20°30	5° 2	8° 2	29° 6	14°31	13°20	5°52	16°46
M13	14 0 27	1°51'04	20°26	5°41	11° 0	22°26	27° 7	20°34	5° 0	8° 5	29° 6	14°29	13°17	5°59	16°50
T 14	14 4 24	2°49'19	3°49	6°27	12°14	22°55	27°18	20°37	4°58	8° 7	29° 7	14°D28	13°14	6° 5	16°53
W15	14 8 20	3°47'32	17°32	7°17	13°28	23°24	27°28	20°41	4°56	8° 9	29° 8	14°29	13°10	6°12	16°56
T 16	14 12 17	4°45'43	1°38	8° 9	14°42	23°54	27°38	20°45	4°54	8°11	29° 9	14°30	13° 7	6°18	17° 0
F 17	14 16 13	5°43'52	16° 4	9° 6	15°55	24°24	27°49	20°48	4°52	8°14	29°10	14°R30	13° 4	6°25	17° 3
S 18	14 20 10	6°41'59	0°50	10° 5	17° 9	24°53	28° 0	20°51	4°50	8°16	29°11	14°29	13° 1	6°32	17° 7
S 19	14 24 6	7°40'05	15°49	11° 7	18°23	25°23	28°11	20°55	4°47	8°18	29°12	14°26	12°58	6°38	17°11
M20	14 28 3	8°38'08	0°54	12°11	19°37	25°53	28°21	20°58	4°45	8°20	29°12	14°21	12°55	6°45	17°15
T 21	14 31 59	9°36'10	15°55	13°19	20°51	26°23	28°32	21° 1	4°43	8°23	29°13	14°13	12°51	6°52	17°19
W22	14 35 56	10°34'10	0°44	14°29	22° 5	26°54	28°43	21° 4	4°42	8°25	29°14	14° 5	12°48	6°58	17°23
T 23	14 39 53	11°32'08	15°12	15°42	23°18	27°24	28°54	21° 7	4°40	8°27	29°14	13°56	12°45	7° 5	17°27
F 24	14 43 49	12°30'06	29°14	16°57	24°32	27°55	29° 6	21°10	4°38	8°29	29°15	13°48	12°42	7°12	17°31
S 25	14 47 46	13°28'01	12°34	18°15	25°46	28°25	29°17	21°13	4°36	8°32	29°16	13°42	12°39	7°18	17°35
S 26	14 51 42	14°25'56	25°52	19°35	26°59	28°56	29°28	21°15	4°34	8°34	29°16	13°38	12°35	7°25	17°39
M27	14 55 39	15°23'49	8°31	20°58	28°13	29°27	29°40	21°18	4°32	8°36	29°17	13°37	12°32	7°32	17°44
T 28	14 59 35	16°21'41	20°50	22°22	29°27	29°58	29°51	21°21	4°31	8°38	29°18	13°D37	12°29	7°38	17°48
W29	15 3 32	17°19'32	2°53	23°49	0°11	0°29	0°3	21°23	4°29	8°41	29°18	13°37	12°26	7°45	17°53
T 30	15 7 28	18°17'21	14°46	25°19	1°11	1°1	0°14	21°25	4°27	8°43	29°19	13°R37	12°23	7°52	17°57

Delta T = 135.34 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1551

MAY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	15 11 25	19♁15'09	26♁34	26♁50	3♁ 8	1♁32	0♁26	21♁27	4♁R26	8♁45	29♁19	13♁R37	12♁20	7♁58	18♁ 2		
S 2	15 15 21	20♁12'56	8♁Y20	28♁24	4♁21	2° 4	0°38	21°30	4♁24	8°47	29°20	13♁34	12°16	8° 5	18° 6		
S 3	15 19 18	21°10'42	20°11	0♁ 0	5°35	2°35	0°50	21°32	4°23	8°49	29°20	13°28	12°13	8°12	18°11		
M 4	15 23 15	22° 8'27	2♁ 7	1°38	6°48	3° 7	1° 1	21°34	4°21	8°52	29°21	13°20	12°10	8°18	18°16		
T 5	15 27 11	23° 6'10	14°13	3°18	8° 2	3°39	1°13	21°35	4°20	8°54	29°21	13°10	12° 7	8°25	18°21		
W 6	15 31 8	24° 3'52	26°29	5° 1	9°15	4°11	1°25	21°37	4°18	8°56	29°21	12°58	12° 4	8°32	18°26		
T 7	15 35 4	25° 1'33	8♁I56	6°45	10°29	4°43	1°38	21°39	4°17	8°58	29°22	12°45	12° 1	8°38	18°31		
F 8	15 39 1	25°59'12	21°34	8°32	11°42	5°15	1°50	21°40	4°16	9° 0	29°22	12°33	11°57	8°45	18°36		
S 9	15 42 57	26°56'51	4♁24	10°21	12°56	5°47	2° 2	21°42	4°14	9° 3	29°22	12°23	11°54	8°52	18°41		
S 10	15 46 54	27°54'27	17°26	12°12	14° 9	6°20	2°14	21°43	4°13	9° 5	29°23	12°15	11°51	8°58	18°47		
M11	15 50 50	28°52'03	0♁40	14° 5	15°23	6°52	2°26	21°45	4°12	9° 7	29°23	12°10	11°48	9° 5	18°52		
T 12	15 54 47	29°49'36	14° 8	16° 1	16°36	7°25	2°39	21°46	4°11	9° 9	29°23	12° 7	11°45	9°12	18°57		
W13	15 58 44	0♁47'09	27°50	17°58	17°50	7°57	2°51	21°47	4°10	9°11	29°23	12°D 7	11°41	9°18	19° 3		
T 14	16 2 40	1°44'40	11♁47	19°58	19° 3	8°30	3° 4	21°48	4° 9	9°13	29°24	12°R 7	11°38	9°25	19° 8		
F 15	16 6 37	2°42'09	25°59	21°59	20°16	9° 3	3°16	21°49	4° 8	9°15	29°24	12° 6	11°35	9°32	19°14		
S 16	16 10 33	3°39'37	10♁26	24° 2	21°30	9°36	3°29	21°49	4° 7	9°18	29°24	12° 4	11°32	9°38	19°19		
S 17	16 14 30	4°37'04	25° 4	26° 7	22°43	10° 9	3°41	21°50	4° 6	9°20	29°24	12° 0	11°29	9°45	19°25		
M18	16 18 26	5°34'30	9♁47	28°14	23°56	10°42	3°54	21°51	4° 5	9°22	29°24	11°52	11°26	9°52	19°31		
T 19	16 22 23	6°31'55	24°31	0♁I22	25° 9	11°15	4° 7	21°51	4° 5	9°24	29°24	11°43	11°22	9°58	19°37		
W20	16 26 19	7°29'18	9♁ 5	2°31	26°23	11°48	4°19	21°52	4° 4	9°26	29°24	11°32	11°19	10° 5	19°42		
T 21	16 30 16	8°26'41	23°24	4°42	27°36	12°22	4°32	21°52	4° 3	9°28	29°R24	11°20	11°16	10°12	19°48		
F 22	16 34 13	9°24'03	7♁20	6°53	28°49	12°55	4°45	21°52	4° 2	9°30	29°24	11°10	11°13	10°18	19°54		
S 23	16 38 9	10°21'24	20°51	9° 5	0♁ 2	13°28	4°58	21°52	4° 2	9°32	29°24	11° 1	11°10	10°25	20° 0		
S 24	16 42 6	11°18'45	3♁57	11°17	1°15	14° 2	5°11	21°R52	4° 1	9°34	29°24	10°55	11° 7	10°32	20° 6		
M25	16 46 2	12°16'05	16°38	13°29	2°29	14°36	5°24	21°52	4° 1	9°36	29°24	10°52	11° 3	10°38	20°12		
T 26	16 49 59	13°13'24	28°59	15°40	3°42	15° 9	5°37	21°52	4° 1	9°38	29°24	10°50	11° 0	10°45	20°18		
W27	16 53 55	14°10'43	11♁ 4	17°52	4°55	15°43	5°50	21°52	4° 0	9°40	29°24	10°50	10°57	10°52	20°25		
T 28	16 57 52	15° 8'02	22°58	20° 2	6° 8	16°17	6° 3	21°51	4° 0	9°42	29°24	10°50	10°54	10°58	20°31		
F 29	17 1 49	16° 5'20	4♁47	22°11	7°21	16°51	6°16	21°51	4° 0	9°44	29°23	10°49	10°51	11° 5	20°37		
S 30	17 5 45	17° 2'38	16°36	24°20	8°34	17°25	6°29	21°50	3°59	9°46	29°23	10°46	10°47	11°12	20°43		
S 31	17 9 42	17♁59'55	28♁Y30	26♁I26	9♁47	17♁59	6♁42	21♁49	3♁59	9♁47	29♁23	10♁41	10♁44	11♁Y18	20♁50		

Delta T = 135.29 sec. Julian Calendar 1 May 1551 == Greg. Calendar 11 May 1551

JUNE 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	17 13 38	18♁I57'12	10♁33	28♁I31	11♁ 0	18♁34	6♁55	21°R49	3°R59	9♁49	29°R23	10°R33	10♁41	11°Y25	20♁56		
T 2	17 17 35	19°54'29	22°47	0♁35	12°13	19° 8	7° 8	21°48	3°D59	9°51	29°22	10♁22	10°38	11°32	21° 2		
W 3	17 21 31	20°51'45	5♁I16	2°36	13°26	19°42	7°22	21°47	3♁59	9°53	29°22	10°10	10°35	11°38	21° 9		
T 4	17 25 28	21°49'01	17°59	4°36	14°39	20°17	7°35	21°46	3°59	9°55	29°22	9°58	10°32	11°45	21°15		
F 5	17 29 24	22°46'16	0♁56	6°33	15°52	20°51	7°48	21°45	3°59	9°56	29°22	9°45	10°28	11°52	21°22		
S 6	17 33 21	23°43'31	14° 7	8°29	17° 5	21°26	8° 1	21°43	3°59	9°58	29°21	9°35	10°25	11°58	21°28		
S 7	17 37 18	24°40'46	27°29	10°22	18°18	22° 1	8°15	21°42	4° 0	10° 0	29°21	9°27	10°22	12° 5	21°35		
M 8	17 41 14	25°38'00	11♁ 2	12°13	19°30	22°35	8°28	21°41	4° 0	10° 2	29°20	9°22	10°19	12°12	21°42		
T 9	17 45 11	26°35'13	24°45	14° 2	20°43	23°10	8°41	21°39	4° 0	10° 3	29°20	9°19	10°16	12°18	21°48		
W10	17 49 7	27°32'26	8♁36	15°49	21°56	23°45	8°55	21°37	4° 1	10° 5	29°19	9°D18	10°13	12°25	21°55		
T 11	17 53 4	28°29'38	22°35	17°33	23° 9	24°20	9° 8	21°36	4° 1	10° 7	29°19	9°R18	10° 9	12°32	22° 2		
F 12	17 57 0	29°26'50	6♁42	19°16	24°22	24°55	9°21	21°34	4° 2	10° 8	29°18	9°18	10° 6	12°38	22° 9		
S 13	18 0 57	0♁24'01	20°56	20°56	25°34	25°30	9°35	21°32	4° 2	10°10	29°18	9°17	10° 3	12°45	22°15		
S 14	18 4 53	1°21'12	5♁14	22°33	26°47	26° 5	9°48	21°30	4° 3	10°11	29°17	9°13	10° 0	12°52	22°22		
M15	18 8 50	2°18'22	19°34	24° 9	28° 0	26°40	10° 2	21°28	4° 3	10°13	29°17	9° 7	9°57	12°58	22°29		
T 16	18 12 47	3°15'33	3♁52	25°42	29°12	27°16	10°15	21°26	4° 4	10°15	29°16	8°59	9°53	13° 5	22°36		
W17	18 16 43	4°12'43	18° 2	27°13	0♁I25	27°51	10°29	21°23	4° 5	10°16	29°16	8°49	9°50	13°12	22°43		
T 18	18 20 40	5° 9'52	1♁59	28°42	1°37	28°26	10°42	21°21	4° 6	10°18	29°15	8°39	9°47	13°18	22°50		
F 19	18 24 36	6° 7'02	15°39	0♁ 8	2°50	29° 2	10°55	21°19	4° 6	10°19	29°14	8°30	9°44	13°25	22°57		
S 20	18 28 33	7° 4'12	28°58	1°32	4° 3	29°37	11° 9	21°16	4° 7	10°20	29°14	8°22	9°41	13°32	23° 4		
S 21	18 32 29	8° 1'22	11♁57	2°54	5°15	0♁I13	11°22	21°14	4° 8	10°22	29°13	8°17	9°38	13°38	23°11		
M22	18 36 26	8°58'33	24°34	4°13	6°27	0°49	11°36	21°11	4° 9	10°23	29°12	8°14	9°34	13°45	23°18		
T 23	18 40 22	9°55'43	6♁54	5°30	7°40	1°24	11°49	21° 8	4°10	10°25	29°12	8°D13	9°31	13°52	23°25		
W24	18 44 19	10°52'54	18°59	6°44	8°52	2° 0	12° 3	21° 5	4°11	10°26	29°11	8°13	9°28	13°58	23°32		
T 25	18 48 16	11°50'05	0♁Y54	7°56	10° 5	2°36	12°16	21° 2	4°13	10°27	29°10	8°14	9°25	14° 5	23°39		
F 26	18 52 12	12°47'17	12°44	9° 5	11°17	3°12	12°30	20°59	4°14	10°28	29° 9	8°R15	9°22	14°12	23°46		
S 27	18 56 9	13°44'30	24°35	10°11	12°29	3°48	12°43	20°56	4°15	10°30	29° 8	8°14	9°19	14°18	23°53		
S 28	19 0 5	14°41'43	6♁32	11°15	13°42	4°24	12°57	20°53	4°16	10°31	29° 8	8°11	9°15	14°25	24° 0		
M29	19 4 2	15°38'56	18°38	12°16	14°54	5° 0	13°10	20°50	4°18	10°32	29° 7	8° 7	9°12	14°32	24° 7		
T 30	19 7 58	16♁36'10	0♁I59	13♁I13	16♁ 6	5♁36	13♁24	20♁47	4♁19	10♁33							

SWISS EPHEMERIS for the year 1551

JULY 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	19 11 55	17°33'25	13II36	14Ω 8	17Ω18	6♁12	13Ω37	20°R44	4Ω21	10Ω34	29°R 5	7°R52	9♁ 6	14Υ45	24Ω22	
T 2	19 15 51	18°30'40	26°32	14°59	18°30	6°49	13°51	20°40	4°22	10°35	29°4	7°44	9° 3	14°52	24°29	
F 3	19 19 48	19°27'56	9Ω46	15°47	19°43	7°25	14° 4	20°37	4°24	10°37	29° 3	7°36	8°59	14°58	24°36	
S 4	19 23 45	20°25'13	23°18	16°32	20°55	8° 2	14°17	20°33	4°25	10°38	29° 2	7°29	8°56	15° 5	24°43	
S 5	19 27 41	21°22'30	7Ω 4	17°13	22° 7	8°38	14°31	20°30	4°27	10°39	29° 1	7°23	8°53	15°12	24°50	
M 6	19 31 38	22°19'47	21° 2	17°50	23°19	9°15	14°44	20°26	4°29	10°40	29° 0	7°20	8°50	15°18	24°58	
T 7	19 35 34	23°17'05	5♁ 8	18°23	24°31	9°51	14°58	20°22	4°30	10°41	28°59	7°D19	8°47	15°25	25° 5	
W 8	19 39 31	24°14'23	19°19	18°52	25°43	10°28	15°11	20°18	4°32	10°41	28°58	7°20	8°44	15°32	25°12	
T 9	19 43 27	25°11'42	3Ω31	19°17	26°55	11° 5	15°24	20°15	4°34	10°42	28°57	7°21	8°40	15°38	25°19	
F 10	19 47 24	26° 9'00	17°44	19°37	28° 7	11°41	15°38	20°11	4°36	10°43	28°56	7°22	8°37	15°45	25°26	
S 11	19 51 20	27° 6'20	1III54	19°53	29°18	12°18	15°51	20° 7	4°38	10°44	28°55	7°R22	8°34	15°52	25°34	
S 12	19 55 17	28° 3'40	16° 1	20° 3	0♁30	12°55	16° 4	20° 3	4°40	10°45	28°54	7°21	8°31	15°58	25°41	
M13	19 59 14	29° 1'00	0Ω 2	20° 9	1°42	13°32	16°18	19°59	4°42	10°46	28°53	7°18	8°28	16° 5	25°48	
T 14	20 3 10	29°58'21	13°56	20°R10	2°54	14° 9	16°31	19°55	4°44	10°46	28°52	7°13	8°24	16°12	25°55	
W15	20 7 7	0Ω55'42	27°39	20° 6	4° 5	14°46	16°44	19°51	4°46	10°47	28°51	7° 8	8°21	16°18	26° 2	
T 16	20 11 3	1°53'04	11Ω10	19°57	5°17	15°23	16°58	19°46	4°48	10°48	28°50	7° 2	8°18	16°25	26°10	
F 17	20 15 0	2°50'27	24°26	19°42	6°29	16° 1	17°11	19°42	4°50	10°48	28°49	6°57	8°15	16°32	26°17	
S 18	20 18 56	3°47'51	7Ω27	19°23	7°40	16°38	17°24	19°38	4°53	10°49	28°48	6°53	8°12	16°38	26°24	
S 19	20 22 53	4°45'16	20°11	18°58	8°52	17°15	17°37	19°34	4°55	10°50	28°46	6°50	8° 9	16°45	26°31	
M20	20 26 49	5°42'41	2Ω39	18°29	10° 3	17°53	17°50	19°29	4°57	10°50	28°45	6°D49	8° 5	16°52	26°38	
T 21	20 30 46	6°40'08	14°53	17°55	11°14	18°30	18° 3	19°25	5° 0	10°51	28°44	6°49	8° 2	16°58	26°46	
W22	20 34 43	7°37'36	26°56	17°17	12°26	19° 7	18°16	19°21	5° 2	10°51	28°43	6°50	7°59	17° 5	26°53	
T 23	20 38 39	8°35'05	8Υ50	16°36	13°37	19°45	18°29	19°16	5° 4	10°52	28°42	6°52	7°56	17°12	27° 0	
F 24	20 42 36	9°32'36	20°40	15°51	14°48	20°23	18°42	19°12	5° 7	10°52	28°41	6°54	7°53	17°18	27° 7	
S 25	20 46 32	10°30'08	2Ω32	15° 4	15°59	21° 0	18°55	19° 8	5° 9	10°52	28°39	6°55	7°50	17°25	27°14	
S 26	20 50 29	11°27'41	14°28	14°16	17°10	21°38	19° 8	19° 3	5°12	10°53	28°38	6°R55	7°46	17°32	27°21	
M27	20 54 25	12°25'16	26°35	13°27	18°22	22°16	19°21	18°59	5°15	10°53	28°37	6°54	7°43	17°38	27°28	
T 28	20 58 22	13°22'52	8II57	12°38	19°33	22°54	19°34	18°54	5°17	10°53	28°36	6°52	7°40	17°45	27°36	
W29	21 2 18	14°20'30	21°37	11°51	20°44	23°31	19°47	18°50	5°20	10°54	28°34	6°50	7°37	17°52	27°43	
T 30	21 6 15	15°18'09	4Ω39	11° 5	21°55	24° 9	20° 0	18°45	5°23	10°54	28°33	6°47	7°34	17°59	27°50	
F 31	21 10 12	16Ω15'50	18Ω 4	10Ω23	23♁ 5	24♁47	20Ω12	18Ω41	5Ω25	10Ω54	28Ω32	6♁44	7♁30	18Υ 5	27Ω57	

Delta T = 135.19 sec. Julian Calendar 1 July 1551 == Greg. Calendar 11 July 1551

AUGUST 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	21 14 8	17Ω13'32	1Ω50	9°R45	24♁16	25♁26	20Ω25	18°R36	5Ω28	10Ω54	28°R31	6°R41	7♁27	18Υ12	28Ω 4	
S 2	21 18 5	18°11'16	15°56	9Ω11	25°27	26° 4	20°38	18°32	5°31	10°54	28°30	6°R39	7°24	18°19	28°11	
M 3	21 22 1	19° 9'01	0♁18	8°43	26°38	26°42	20°50	18°27	5°34	10°54	28°28	6°D39	7°21	18°25	28°18	
T 4	21 25 58	20° 6'47	14°50	8°21	27°48	27°20	21° 3	18°23	5°37	10°54	28°27	6°39	7°18	18°32	28°25	
W 5	21 29 54	21° 4'34	29°26	8° 6	28°59	27°58	21°15	18°18	5°40	10°R54	28°26	6°39	7°15	18°39	28°32	
T 6	21 33 51	22° 2'23	14Ω 1	7°58	0Ω10	28°37	21°28	18°14	5°43	10°54	28°24	6°40	7°11	18°45	28°38	
F 7	21 37 47	23° 0'13	28°30	7°D58	1°20	29°15	21°40	18° 9	5°46	10°54	28°23	6°41	7° 8	18°52	28°45	
S 8	21 41 44	23°58'04	12III48	8° 5	2°30	29°54	21°52	18° 5	5°49	10°54	28°22	6°42	7° 5	18°59	28°52	
S 9	21 45 41	24°55'56	26°54	8°20	3°41	0Ω32	22° 5	18° 0	5°52	10°54	28°21	6°R42	7° 2	19° 5	28°59	
M10	21 49 37	25°53'50	10Ω46	8°43	4°51	1°11	22°17	17°56	5°55	10°54	28°19	6°42	6°59	19°12	29° 6	
T 11	21 53 34	26°51'45	24°22	9°14	6° 1	1°50	22°29	17°51	5°58	10°54	28°18	6°41	6°56	19°19	29°13	
W12	21 57 30	27°49'41	7Ω44	9°53	7°11	2°28	22°41	17°47	6° 1	10°54	28°17	6°40	6°52	19°25	29°19	
T 13	22 1 27	28°47'38	20°51	10°39	8°21	3° 7	22°53	17°42	6° 4	10°53	28°15	6°39	6°49	19°32	29°26	
F 14	22 5 23	29°45'37	3Ω44	11°33	9°31	3°46	23° 5	17°38	6° 7	10°53	28°14	6°38	6°46	19°39	29°33	
S 15	22 9 20	0♁43'37	16°23	12°34	10°41	4°25	23°17	17°34	6°11	10°53	28°13	6°38	6°43	19°45	29°39	
S 16	22 13 16	1°41'39	28°50	13°42	11°51	5° 4	23°29	17°29	6°14	10°52	28°12	6°37	6°40	19°52	29°46	
M17	22 17 13	2°39'43	11Ω 6	14°56	13° 1	5°43	23°41	17°25	6°17	10°52	28°10	6°D37	6°36	19°59	29°52	
T 18	22 21 10	3°37'48	23°11	16°16	14°10	6°22	23°53	17°21	6°20	10°52	28° 9	6°37	6°33	20° 5	29°59	
W19	22 25 6	4°35'55	5Υ 9	17°41	15°20	7° 1	24° 4	17°17	6°24	10°51	28° 8	6°38	6°30	20°12	0Ω 5	
T 20	22 29 3	5°34'04	17° 1	19°11	16°30	7°40	24°16	17°12	6°27	10°51	28° 7	6°38	6°27	20°19	0°12	
F 21	22 32 59	6°32'15	28°51	20°46	17°39	8°19	24°28	17° 8	6°31	10°50	28° 5	6°R38	6°24	20°25	0°18	
S 22	22 36 56	7°30'28	10Ω42	22°25	18°48	8°59	24°39	17° 4	6°34	10°50	28° 4	6°38	6°21	20°32	0°25	
S 23	22 40 52	8°28'42	22°38	24° 7	19°58	9°38	24°50	17° 0	6°37	10°49	28° 3	6°38	6°17	20°39	0°31	
M24	22 44 49	9°26'59	4II43	25°51	21° 7	10°17	25° 2	16°56	6°41	10°49	28° 1	6°D38	6°14	20°46	0°37	
T 25	22 48 45	10°25'18	17° 2	27°39	22°16	10°57	25°13	16°52	6°44	10°48	28° 0	6°38	6°11	20°52	0°43	
W26	22 52 42	11°23'40	29°40	29°28	23°25	11°36	25°24	16°48	6°48	10°47	27°59	6°38	6° 8	20°59	0°50	
T 27	22 56 38	12°22'03	12Ω40	1♁19	24°34	12°16	25°35	16°44	6°51	10°47	27°58	6°38	6° 5	21° 6	0°56	
F 28	23 0 35	13°20'28	26° 4	3°11	25°42	12°56	25°46	16°41	6°55	10°46	27°57	6°39	6° 2	21°12	1° 2	
S 29	23 4 32	14°18'56	9Ω54	5° 3	26°51	13°35	25°57	16°37	6°58	10°45	27°55	6°39	5°58	21°19	1° 8	
S 30	23 8 28	15°17'25	24° 9	6°56	28° 0	14°15	26° 8	16°33	7° 2	10°44	27°54	6°40	5°55	21°26	1°14	
M31	23 12 25	16♁15'57	8♁46	8♁50	29Ω 8	14Ω55	26Ω19	16Ω30	7Ω 6	10Ω44	27Ω53	6°R40	5♁52	21Υ32	1Ω20	

Delta T = 135.15 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1551

SEPTEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	23 16 21	17 ^h 14'30	23 ^h 38	10 ^h 43	0 ^h 17	15 ^h 35	26 ^h 30	16 ^h R26	7 ^h 9	10 ^h R43	27 ^h R52	6 ^h R40	5 ^h 49	21 ^h Y39	1 ^h 26
W 2	23 20 18	18 ^h 13'05	8 ^h 38	12 ^h 36	1 ^h 25	16 ^h 15	26 ^h 40	16 ^h 22	7 ^h 13	10 ^h 842	27 ^h 50	6 ^h 39	5 ^h 46	21 ^h 46	1 ^h 31
T 3	23 24 14	19 ^h 11'42	23 ^h 38	14 ^h 29	2 ^h 33	16 ^h 55	26 ^h 51	16 ^h 19	7 ^h 16	10 ^h 41	27 ^h 49	6 ^h 38	5 ^h 42	21 ^h 52	1 ^h 37
F 4	23 28 11	20 ^h 10'21	8 ^h 11'29	16 ^h 21	3 ^h 41	17 ^h 35	27 ^h 1	16 ^h 16	7 ^h 20	10 ^h 40	27 ^h 48	6 ^h 36	5 ^h 39	21 ^h 59	1 ^h 43
S 5	23 32 7	21 ^h 9'02	23 ^h 4	18 ^h 13	4 ^h 49	18 ^h 15	27 ^h 11	16 ^h 12	7 ^h 24	10 ^h 39	27 ^h 47	6 ^h 34	5 ^h 36	22 ^h 6	1 ^h 49
S 6	23 36 4	22 ^h 7'44	7 ^h 7'19	20 ^h 4	5 ^h 57	18 ^h 55	27 ^h 21	16 ^h 9	7 ^h 27	10 ^h 38	27 ^h 46	6 ^h 33	5 ^h 33	22 ^h 12	1 ^h 54
M 7	23 40 1	23 ^h 6'29	21 ^h 12	21 ^h 54	7 ^h 5	19 ^h 35	27 ^h 32	16 ^h 6	7 ^h 31	10 ^h 37	27 ^h 45	6 ^h D33	5 ^h 30	22 ^h 19	2 ^h 0
T 8	23 43 57	24 ^h 5'14	4 ^h 342	23 ^h 43	8 ^h 12	20 ^h 16	27 ^h 42	16 ^h 3	7 ^h 35	10 ^h 36	27 ^h 44	6 ^h 33	5 ^h 27	22 ^h 26	2 ^h 5
W 9	23 47 54	25 ^h 4'02	17 ^h 51	25 ^h 32	9 ^h 20	20 ^h 56	27 ^h 51	16 ^h 0	7 ^h 38	10 ^h 35	27 ^h 42	6 ^h 34	5 ^h 23	22 ^h 32	2 ^h 11
T 10	23 51 50	26 ^h 2'51	0 ^h 42	27 ^h 19	10 ^h 27	21 ^h 37	28 ^h 1	15 ^h 57	7 ^h 42	10 ^h 34	27 ^h 41	6 ^h 35	5 ^h 20	22 ^h 39	2 ^h 16
F 11	23 55 47	27 ^h 1'42	13 ^h 17	29 ^h 6	11 ^h 34	22 ^h 17	28 ^h 11	15 ^h 54	7 ^h 46	10 ^h 33	27 ^h 40	6 ^h 37	5 ^h 17	22 ^h 46	2 ^h 21
S 12	23 59 43	28 ^h 0'35	25 ^h 39	0 ^h 52	12 ^h 41	22 ^h 58	28 ^h 21	15 ^h 51	7 ^h 50	10 ^h 32	27 ^h 39	6 ^h 38	5 ^h 14	22 ^h 53	2 ^h 27
S 13	0 3 40	28 ^h 59'30	7 ^h X50	2 ^h 37	13 ^h 48	23 ^h 38	28 ^h 30	15 ^h 49	7 ^h 53	10 ^h 31	27 ^h 38	6 ^h R38	5 ^h 11	22 ^h 59	2 ^h 32
M 14	0 7 36	29 ^h 58'26	19 ^h 54	4 ^h 21	14 ^h 55	24 ^h 19	28 ^h 39	15 ^h 46	7 ^h 57	10 ^h 29	27 ^h 37	6 ^h 38	5 ^h 7	23 ^h 6	2 ^h 37
T 15	0 11 33	0 ^h 57'25	1 ^h Y51	6 ^h 4	16 ^h 1	24 ^h 59	28 ^h 49	15 ^h 44	8 ^h 1	10 ^h 28	27 ^h 36	6 ^h 36	5 ^h 4	23 ^h 13	2 ^h 42
W 16	0 15 30	1 ^h 56'25	13 ^h 44	7 ^h 46	17 ^h 8	25 ^h 40	28 ^h 58	15 ^h 41	8 ^h 5	10 ^h 27	27 ^h 35	6 ^h 33	5 ^h 1	23 ^h 19	2 ^h 47
T 17	0 19 26	2 ^h 55'28	25 ^h 34	9 ^h 27	18 ^h 14	26 ^h 21	29 ^h 7	15 ^h 39	8 ^h 8	10 ^h 26	27 ^h 34	6 ^h 29	4 ^h 58	23 ^h 26	2 ^h 52
F 18	0 23 23	3 ^h 54'33	7 ^h X24	11 ^h 8	19 ^h 20	27 ^h 2	29 ^h 16	15 ^h 37	8 ^h 12	10 ^h 24	27 ^h 33	6 ^h 24	4 ^h 55	23 ^h 33	2 ^h 56
S 19	0 27 19	4 ^h 53'40	19 ^h 17	12 ^h 48	20 ^h 26	27 ^h 43	29 ^h 25	15 ^h 34	8 ^h 16	10 ^h 23	27 ^h 32	6 ^h 19	4 ^h 52	23 ^h 39	3 ^h 1
S 20	0 31 16	5 ^h 52'49	1 ^h II14	14 ^h 27	21 ^h 32	28 ^h 24	29 ^h 33	15 ^h 32	8 ^h 20	10 ^h 22	27 ^h 31	6 ^h 14	4 ^h 48	23 ^h 46	3 ^h 6
M 21	0 35 12	6 ^h 52'01	13 ^h 19	16 ^h 5	22 ^h 37	29 ^h 5	29 ^h 42	15 ^h 30	8 ^h 24	10 ^h 21	27 ^h 30	6 ^h 11	4 ^h 45	23 ^h 53	3 ^h 11
T 22	0 39 9	7 ^h 51'15	25 ^h 36	17 ^h 42	23 ^h 43	29 ^h 46	29 ^h 50	15 ^h 28	8 ^h 27	10 ^h 19	27 ^h 29	6 ^h 9	4 ^h 42	23 ^h 59	3 ^h 15
W 23	0 43 5	8 ^h 50'31	8 ^h 5 9	19 ^h 18	24 ^h 48	0 ^h ML27	29 ^h 59	15 ^h 27	8 ^h 31	10 ^h 18	27 ^h 28	6 ^h D 8	4 ^h 39	24 ^h 6	3 ^h 19
T 24	0 47 2	9 ^h 49'50	21 ^h 2	20 ^h 54	25 ^h 53	1 ^h 8	0 ^h Ω 7	15 ^h 25	8 ^h 35	10 ^h 16	27 ^h 27	6 ^h 8	4 ^h 36	24 ^h 13	3 ^h 24
F 25	0 50 58	10 ^h 49'11	4 ^h Ω19	22 ^h 29	26 ^h 58	1 ^h 50	0 ^h 15	15 ^h 23	8 ^h 39	10 ^h 15	27 ^h 26	6 ^h 10	4 ^h 33	24 ^h 20	3 ^h 28
S 26	0 54 55	11 ^h 48'34	18 ^h 2	24 ^h 4	28 ^h 2	2 ^h 31	0 ^h 23	15 ^h 22	8 ^h 42	10 ^h 14	27 ^h 26	6 ^h 11	4 ^h 29	24 ^h 26	3 ^h 32
S 27	0 58 52	12 ^h 48'00	2 ^h 13	25 ^h 37	29 ^h 7	3 ^h 13	0 ^h 30	15 ^h 20	8 ^h 46	10 ^h 12	27 ^h 25	6 ^h R12	4 ^h 26	24 ^h 33	3 ^h 37
M 28	1 2 48	13 ^h 47'28	16 ^h 49	27 ^h 10	0 ^h X11	3 ^h 54	0 ^h 38	15 ^h 19	8 ^h 50	10 ^h 11	27 ^h 24	6 ^h 12	4 ^h 23	24 ^h 40	3 ^h 41
T 29	1 6 45	14 ^h 46'58	1 ^h Ω48	28 ^h 42	1 ^h 15	4 ^h 36	0 ^h 46	15 ^h 18	8 ^h 54	10 ^h 9	27 ^h 23	6 ^h 10	4 ^h 20	24 ^h 46	3 ^h 45
W 30	1 10 41	15 ^h Ω46'30	17 ^h Ω 0	0 ^h ML14	2 ^h X18	5 ^h ML17	0 ^h Ω53	15 ^h Ω17	8 ^h Ω58	10 ^h Ω 8	27 ^h Ω22	6 ^h 11	4 ^h 17	24 ^h Y53	3 ^h Ω48

Delta T = 135.10 sec. Julian Calendar 1 Sept. 1551 == Greg. Calendar 11 Sept. 1551

OCTOBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	1 14 38	16 ^h Ω46'04	2 ^h ML17	1 ^h ML45	3 ^h X22	5 ^h ML59	1 ^h Ω 0	15 ^h R16	9 ^h Ω 1	10 ^h R 6	27 ^h R22	6 ^h R 0	4 ^h 13	25 ^h Y 0	3 ^h Ω52
F 2	1 18 34	17 ^h 45'40	17 ^h 27	3 ^h 15	4 ^h 25	6 ^h 41	1 ^h 7	15 ^h Ω15	9 ^h 5	10 ^h Ω 5	27 ^h Ω21	5 ^h 13	4 ^h 10	25 ^h 6	3 ^h 56
S 3	1 22 31	18 ^h 45'19	2 ^h X20	4 ^h 44	5 ^h 28	7 ^h 22	1 ^h 14	15 ^h 14	9 ^h 9	10 ^h 3	27 ^h 20	5 ^h 47	4 ^h 7	25 ^h 13	4 ^h 0
S 4	1 26 27	19 ^h 44'59	16 ^h 50	6 ^h 13	6 ^h 30	8 ^h 4	1 ^h 21	15 ^h 13	9 ^h 13	10 ^h 2	27 ^h 19	5 ^h 42	4 ^h 4	25 ^h 20	4 ^h 3
M 5	1 30 24	20 ^h 44'40	0 ^h Ω52	7 ^h 42	7 ^h 33	8 ^h 46	1 ^h 28	15 ^h 13	9 ^h 16	10 ^h 0	27 ^h 19	5 ^h 38	4 ^h 1	25 ^h 26	4 ^h 7
T 6	1 34 21	21 ^h 44'24	14 ^h 26	9 ^h 9	8 ^h 35	9 ^h 28	1 ^h 34	15 ^h 12	9 ^h 20	9 ^h 58	27 ^h 18	5 ^h 37	3 ^h 58	25 ^h 33	4 ^h 10
W 7	1 38 17	22 ^h 44'09	27 ^h 33	10 ^h 36	9 ^h 37	10 ^h 10	1 ^h 41	15 ^h 12	9 ^h 24	9 ^h 57	27 ^h 18	5 ^h D36	3 ^h 54	25 ^h 40	4 ^h 13
T 8	1 42 14	23 ^h 43'56	10 ^h Ω18	12 ^h 2	10 ^h 38	10 ^h 52	1 ^h 47	15 ^h 11	9 ^h 27	9 ^h 55	27 ^h 17	5 ^h 37	3 ^h 51	25 ^h 47	4 ^h 16
F 9	1 46 10	24 ^h 43'44	22 ^h 43	13 ^h 27	11 ^h 39	11 ^h 34	1 ^h 53	15 ^h 11	9 ^h 31	9 ^h 54	27 ^h 16	5 ^h 39	3 ^h 48	25 ^h 53	4 ^h 20
S 10	1 50 7	25 ^h 43'34	4 ^h X55	14 ^h 52	12 ^h 40	12 ^h 16	1 ^h 59	15 ^h 11	9 ^h 35	9 ^h 52	27 ^h 16	5 ^h R39	3 ^h 45	26 ^h 0	4 ^h 23
S 11	1 54 3	26 ^h 43'26	16 ^h 56	16 ^h 16	13 ^h 40	12 ^h 59	2 ^h 4	15 ^h D11	9 ^h 38	9 ^h 50	27 ^h 15	5 ^h 39	3 ^h 42	26 ^h 7	4 ^h 25
M 12	1 58 0	27 ^h 43'20	28 ^h 51	17 ^h 39	14 ^h 40	13 ^h 41	2 ^h 10	15 ^h 11	9 ^h 42	9 ^h 49	27 ^h 15	5 ^h 36	3 ^h 38	26 ^h 13	4 ^h 28
T 13	2 1 56	28 ^h 43'16	10 ^h Y42	19 ^h 1	15 ^h 40	14 ^h 23	2 ^h 15	15 ^h 11	9 ^h 46	9 ^h 47	27 ^h 14	5 ^h 30	3 ^h 35	26 ^h 20	4 ^h 31
W 14	2 5 53	29 ^h 43'13	22 ^h 32	20 ^h 22	16 ^h 39	15 ^h 6	2 ^h 20	15 ^h 12	9 ^h 49	9 ^h 45	27 ^h 14	5 ^h 23	3 ^h 32	26 ^h 27	4 ^h 34
T 15	2 9 50	0 ^h ML43'12	4 ^h Ω23	21 ^h 42	17 ^h 38	15 ^h 48	2 ^h 26	15 ^h 12	9 ^h 53	9 ^h 44	27 ^h 13	5 ^h 13	3 ^h 29	26 ^h 33	4 ^h 36
F 16	2 13 46	1 ^h 43'13	16 ^h 17	23 ^h 1	18 ^h 36	16 ^h 31	2 ^h 30	15 ^h 12	9 ^h 57	9 ^h 42	27 ^h 13	5 ^h 2	3 ^h 26	26 ^h 40	4 ^h 39
S 17	2 17 43	2 ^h 43'17	28 ^h 14	24 ^h 18	19 ^h 34	17 ^h 13	2 ^h 35	15 ^h 13	10 ^h 0	9 ^h 40	27 ^h 12	4 ^h 50	3 ^h 23	26 ^h 47	4 ^h 41
S 18	2 21 39	3 ^h 43'22	10 ^h II17	25 ^h 35	20 ^h 32	17 ^h 56	2 ^h 40	15 ^h 14	10 ^h 4</						

SWISS EPHEMERIS for the year 1551

NOVEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	3 16 51	17 ^h 48'04	25 ^h 20	8 ^h 57	2 ^h 58	27 ^h 59	3 ^h 25	15 ^h 34	10 ^h 51	9 ^h 15	27 ^h 9	3 ^h R24	2 ^h 35	28 ^h 27	5 ^h 4
M 2	3 20 48	18 ^h 48'37	9 ^h 33	9 ^h 19	3 ^h 46	28 ^h 43	3 ^h 27	15 ^h 37	10 ^h 54	9 ^h 13	27 ^h 9	3 ^h 16	2 ^h 32	28 ^h 34	5 ^h 5
T 3	3 24 44	19 ^h 49'12	23 ^h 16	9 ^h 34	4 ^h 33	29 ^h 26	3 ^h 28	15 ^h 39	10 ^h 58	9 ^h 12	27 ^h 9	3 ^h 11	2 ^h 29	28 ^h 41	5 ^h 5
W 4	3 28 41	20 ^h 49'48	6 ^h 29	9 ^h R40	5 ^h 19	0 ^h 10	3 ^h 30	15 ^h 41	11 ^h 1	9 ^h 10	27 ^h 9	3 ^h 9	2 ^h 25	28 ^h 47	5 ^h 6
T 5	3 32 37	21 ^h 50'25	19 ^h 25	9 ^h 37	6 ^h 5	0 ^h 54	3 ^h 31	15 ^h 44	11 ^h 4	9 ^h 8	27 ^h 10	3 ^h D 8	2 ^h 22	28 ^h 54	5 ^h 6
F 6	3 36 34	22 ^h 51'03	1 ^h 40	9 ^h 25	6 ^h 49	1 ^h 37	3 ^h 32	15 ^h 47	11 ^h 7	9 ^h 7	27 ^h 10	3 ^h R 8	2 ^h 19	29 ^h 1	5 ^h 7
S 7	3 40 30	23 ^h 51'42	13 ^h 49	9 ^h 1	7 ^h 32	2 ^h 21	3 ^h 33	15 ^h 49	11 ^h 10	9 ^h 5	27 ^h 10	3 ^h 7	2 ^h 16	29 ^h 7	5 ^h 7
S 8	3 44 27	24 ^h 52'23	25 ^h 46	8 ^h 27	8 ^h 15	3 ^h 5	3 ^h 33	15 ^h 52	11 ^h 13	9 ^h 4	27 ^h 10	3 ^h 6	2 ^h 13	29 ^h 14	5 ^h R 7
M 9	3 48 23	25 ^h 53'04	7 ^h 37	7 ^h 42	8 ^h 56	3 ^h 49	3 ^h 34	15 ^h 55	11 ^h 16	9 ^h 2	27 ^h 10	3 ^h 1	2 ^h 10	29 ^h 21	5 ^h 7
T 10	3 52 20	26 ^h 53'47	19 ^h 26	6 ^h 47	9 ^h 36	4 ^h 33	3 ^h 34	15 ^h 58	11 ^h 19	9 ^h 0	27 ^h 10	2 ^h 54	2 ^h 6	29 ^h 28	5 ^h 7
W11	3 56 16	27 ^h 54'31	1 ^h 8	5 ^h 43	10 ^h 15	5 ^h 17	3 ^h R34	16 ^h 1	11 ^h 22	8 ^h 59	27 ^h 11	2 ^h 44	2 ^h 3	29 ^h 34	5 ^h 6
T 12	4 0 13	28 ^h 55'16	13 ^h 11	4 ^h 31	10 ^h 53	6 ^h 1	3 ^h 34	16 ^h 4	11 ^h 25	8 ^h 57	27 ^h 11	2 ^h 31	2 ^h 0	29 ^h 41	5 ^h 6
F 13	4 4 10	29 ^h 56'02	25 ^h 10	3 ^h 12	11 ^h 29	6 ^h 45	3 ^h 34	16 ^h 8	11 ^h 27	8 ^h 56	27 ^h 11	2 ^h 17	1 ^h 57	29 ^h 48	5 ^h 6
S 14	4 8 6	0 ^h 56'50	7 ^h 17	1 ^h 51	12 ^h 4	7 ^h 29	3 ^h 33	16 ^h 11	11 ^h 30	8 ^h 54	27 ^h 11	2 ^h 2	1 ^h 54	29 ^h 54	5 ^h 5
S 15	4 12 3	1 ^h 57'39	19 ^h 31	0 ^h 28	12 ^h 37	8 ^h 13	3 ^h 32	16 ^h 14	11 ^h 33	8 ^h 53	27 ^h 12	1 ^h 47	1 ^h 50	0 ^h 8	5 ^h 4
M16	4 15 59	2 ^h 58'29	1 ^h 53	29 ^h 7	13 ^h 9	8 ^h 57	3 ^h 32	16 ^h 18	11 ^h 36	8 ^h 51	27 ^h 12	1 ^h 35	1 ^h 47	0 ^h 8	5 ^h 4
T 17	4 19 56	3 ^h 59'21	14 ^h 25	27 ^h 51	13 ^h 40	9 ^h 42	3 ^h 30	16 ^h 22	11 ^h 38	8 ^h 50	27 ^h 13	1 ^h 26	1 ^h 44	0 ^h 14	5 ^h 3
W18	4 23 52	5 ^h 0'13	27 ^h 7	26 ^h 43	14 ^h 9	10 ^h 26	3 ^h 29	16 ^h 25	11 ^h 41	8 ^h 48	27 ^h 13	1 ^h 19	1 ^h 41	0 ^h 21	5 ^h 2
T 19	4 27 49	6 ^h 1'07	10 ^h 2	25 ^h 43	14 ^h 36	11 ^h 11	3 ^h 28	16 ^h 29	11 ^h 44	8 ^h 47	27 ^h 13	1 ^h 16	1 ^h 38	0 ^h 28	5 ^h 1
F 20	4 31 46	7 ^h 2'03	23 ^h 11	24 ^h 53	15 ^h 2	11 ^h 55	3 ^h 26	16 ^h 33	11 ^h 46	8 ^h 45	27 ^h 14	1 ^h 14	1 ^h 35	0 ^h 35	5 ^h 0
S 21	4 35 42	8 ^h 2'59	6 ^h 38	24 ^h 14	15 ^h 26	12 ^h 40	3 ^h 24	16 ^h 37	11 ^h 49	8 ^h 44	27 ^h 14	1 ^h 14	1 ^h 31	0 ^h 41	4 ^h 58
S 22	4 39 39	9 ^h 3'57	20 ^h 25	23 ^h 47	15 ^h 48	13 ^h 24	3 ^h 22	16 ^h 41	11 ^h 51	8 ^h 42	27 ^h 15	1 ^h 14	1 ^h 28	0 ^h 48	4 ^h 57
M23	4 43 35	10 ^h 4'56	4 ^h 33	23 ^h 31	16 ^h 8	14 ^h 9	3 ^h 20	16 ^h 45	11 ^h 54	8 ^h 41	27 ^h 15	1 ^h 12	1 ^h 25	0 ^h 55	4 ^h 55
T 24	4 47 32	11 ^h 5'56	19 ^h 1	23 ^h D26	16 ^h 26	14 ^h 53	3 ^h 17	16 ^h 49	11 ^h 56	8 ^h 40	27 ^h 16	1 ^h 8	1 ^h 22	1 ^h 1	4 ^h 54
W25	4 51 28	12 ^h 6'58	3 ^h 14	23 ^h 31	16 ^h 42	15 ^h 38	3 ^h 14	16 ^h 54	11 ^h 58	8 ^h 38	27 ^h 17	1 ^h 1	1 ^h 19	1 ^h 8	4 ^h 52
T 26	4 55 25	13 ^h 8'01	18 ^h 44	23 ^h 46	16 ^h 56	16 ^h 23	3 ^h 11	16 ^h 58	12 ^h 1	8 ^h 37	27 ^h 17	0 ^h 51	1 ^h 16	1 ^h 15	4 ^h 50
F 27	4 59 21	14 ^h 9'04	3 ^h 45	24 ^h 10	17 ^h 8	17 ^h 8	3 ^h 8	17 ^h 2	12 ^h 3	8 ^h 36	27 ^h 18	0 ^h 40	1 ^h 12	1 ^h 21	4 ^h 48
S 28	5 3 18	15 ^h 10'09	18 ^h 38	24 ^h 41	17 ^h 18	17 ^h 53	3 ^h 5	17 ^h 7	12 ^h 5	8 ^h 34	27 ^h 18	0 ^h 28	1 ^h 9	1 ^h 28	4 ^h 47
S 29	5 7 15	16 ^h 11'14	3 ^h 16	25 ^h 19	17 ^h 26	18 ^h 38	3 ^h 2	17 ^h 12	12 ^h 7	8 ^h 33	27 ^h 19	0 ^h 18	1 ^h 6	1 ^h 35	4 ^h 44
M30	5 11 11	17 ^h 12'20	17 ^h 30	26 ^h 4	17 ^h 31	19 ^h 23	2 ^h 58	17 ^h 16	12 ^h 9	8 ^h 32	27 ^h 20	0 ^h 9	1 ^h 3	1 ^h 42	4 ^h 42

Delta T = 135.00 sec. Julian Calendar 1 Nov. 1551 == Greg. Calendar 11 Nov. 1551

DECEMBER 1551 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	5 15 8	18 ^h 13'26	1 ^h 17	26 ^h 54	17 ^h 33	20 ^h 8	2 ^h R54	17 ^h 21	12 ^h 11	8 ^h R31	27 ^h 21	0 ^h R 3	1 ^h 0	1 ^h 48	4 ^h R40
W 2	5 19 4	19 ^h 14'33	14 ^h 35	27 ^h 49	17 ^h R34	20 ^h 53	2 ^h 50	17 ^h 26	12 ^h 13	8 ^h 29	27 ^h 21	0 ^h 0	0 ^h 56	1 ^h 55	4 ^h 38
T 3	5 23 1	20 ^h 15'40	27 ^h 28	28 ^h 48	17 ^h 32	21 ^h 38	2 ^h 46	17 ^h 31	12 ^h 15	8 ^h 28	27 ^h 22	29 ^h D59	0 ^h 53	2 ^h 2	4 ^h 35
F 4	5 26 57	21 ^h 16'47	9 ^h 57	29 ^h 51	17 ^h 27	22 ^h 23	2 ^h 42	17 ^h 36	12 ^h 17	8 ^h 27	27 ^h 23	29 ^h 59	0 ^h 50	2 ^h 8	4 ^h 33
S 5	5 30 54	22 ^h 17'54	22 ^h 8	0 ^h 57	17 ^h 20	23 ^h 8	2 ^h 37	17 ^h 41	12 ^h 19	8 ^h 26	27 ^h 24	29 ^h R59	0 ^h 47	2 ^h 15	4 ^h 30
S 6	5 34 50	23 ^h 19'02	4 ^h 7	2 ^h 7	17 ^h 10	23 ^h 54	2 ^h 32	17 ^h 46	12 ^h 21	8 ^h 25	27 ^h 25	29 ^h 59	0 ^h 44	2 ^h 22	4 ^h 27
M 7	5 38 47	24 ^h 20'10	15 ^h 59	3 ^h 18	16 ^h 58	24 ^h 39	2 ^h 27	17 ^h 51	12 ^h 23	8 ^h 24	27 ^h 26	29 ^h 56	0 ^h 41	2 ^h 29	4 ^h 25
T 8	5 42 44	25 ^h 21'18	27 ^h 49	4 ^h 32	16 ^h 44	25 ^h 24	2 ^h 22	17 ^h 57	12 ^h 24	8 ^h 23	27 ^h 26	29 ^h 51	0 ^h 37	2 ^h 35	4 ^h 22
W 9	5 46 40	26 ^h 22'26	9 ^h 40	5 ^h 48	16 ^h 26	26 ^h 10	2 ^h 17	18 ^h 2	12 ^h 26	8 ^h 22	27 ^h 27	29 ^h 43	0 ^h 34	2 ^h 42	4 ^h 19
T 10	5 50 37	27 ^h 23'35	21 ^h 38	7 ^h 6	16 ^h 7	26 ^h 55	2 ^h 12	18 ^h 7	12 ^h 28	8 ^h 21	27 ^h 28	29 ^h 33	0 ^h 31	2 ^h 49	4 ^h 16
F 11	5 54 33	28 ^h 24'43	3 ^h 14	8 ^h 25	15 ^h 45	27 ^h 41	2 ^h 6	18 ^h 13	12 ^h 29	8 ^h 20	27 ^h 29	29 ^h 22	0 ^h 28	2 ^h 55	4 ^h 13
S 12	5 58 30	29 ^h 25'52	16 ^h 1	9 ^h 45	15 ^h 21	28 ^h 26	2 ^h 1	18 ^h 18	12 ^h 31	8 ^h 19	27 ^h 30	29 ^h 10	0 ^h 25	3 ^h 2	4 ^h 9
S 13	6 2 26	0 ^h 27'01	28 ^h 29	11 ^h 7	14 ^h 55	29 ^h 12	1 ^h 55	18 ^h 24	12 ^h 32	8 ^h 18	27 ^h 31	28 ^h 59	0 ^h 22	3 ^h 9	4 ^h 6
M14	6 6 23	1 ^h 28'10	11 ^h 8	12 ^h 30	14 ^h 27	29 ^h 57	1 ^h 49	18 ^h 30	12 ^h 34	8 ^h 17	27 ^h 32	28 ^h 49	0 ^h 18	3 ^h 15	4 ^h 3
T 15	6 10 19	2 ^h 29'19	23 ^h 58	13 ^h 53	13 ^h 57	0 ^h 43	1 ^h 43	18 ^h 35	12 ^h 35	8 ^h 16	27 ^h 33	28 ^h 41	0 ^h 15	3 ^h 22	3 ^h 59
W16	6 14 16	3 ^h 30'28	6 ^h 59	15 ^h 18	13 ^h 25	1 ^h 29	1 ^h 37	18 ^h 41	12 ^h 36	8 ^h 15	27 ^h 34	28 ^h 36	0 ^h 12	3 ^h 29	3 ^h 56
T 17	6 18 13	4 ^h 31'38	20 ^h 11	16 ^h 43	12 ^h 52	2 ^h 14	1 ^h 30	18 ^h 47	12 ^h 38	8 ^h 15	27 ^h 36	28 ^h 34	0 ^h 9	3 ^h 36	3 ^h 52
F 18	6 22 9	5 ^h 32'48	3 ^h 35	18 ^h 9	12 ^h 18	3 ^h 0	1 ^h 24	18 ^h 53	12 ^h 39	8 ^h 14	27 ^h 37	28 ^h D34	0 ^h 6	3 ^h 42	3 ^h 49
S 19	6 26 6	6 ^h 33'58	17 ^h 10	19 ^h 36	11 ^h 43	3 ^h 46	1 ^h 17								