

SWISS EPHEMERIS for the year 1788

JANUARY 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 41 15	10 ²⁰ 32	17 ⁴⁵	18 ¹⁹	28 ²⁹	20 ^{R 1}	19 ^{R 4}	25 ⁴⁰	28 ^{R56}	21 ⁰	14 ⁴⁷	26 ³	25 ²¹	7 ⁷	9 ^{R15}
W 2	6 45 12	11 ²¹ 42	0 ¹¹ 21	19 ³²	29 ⁴⁴	19 ³⁸	18 ¹¹ 57	25 ⁴⁵	28 ⁵³	21 ⁰	14 ⁴⁸	26 ⁴	25 ¹⁸	7 ¹⁴	9 ¹¹ 13
T 3	6 49 8	12 ²² 52	12 ³⁹	20 ⁴⁷	0 ⁵⁵	19 ¹⁴	18 ⁵⁰	25 ⁵¹	28 ⁵¹	21 ¹	14 ⁵⁰	26 ⁵	25 ¹⁵	7 ²¹	9 ¹⁰
F 4	6 53 5	13 ²⁴ 03	24 ⁴⁴	22 ⁴	2 ¹⁵	18 ⁵⁰	18 ⁴⁴	25 ⁵⁷	28 ⁴⁸	21 ²	14 ⁵¹	26 ⁷	25 ¹¹	7 ²⁷	9 ⁷
S 5	6 57 1	14 ²⁵ 14	6 ⁴⁰	23 ²²	3 ³⁰	18 ²⁶	18 ³⁷	26 ³	28 ⁴⁶	21 ²	14 ⁵³	26 ⁸	25 ⁸	7 ³⁴	9 ⁴
S 6	7 0 58	15 ²⁶ 24	18 ²⁹	24 ⁴¹	4 ⁴⁵	18 ²	18 ³⁰	26 ⁹	28 ⁴³	21 ³	14 ⁵⁵	26 ⁹	25 ⁵	7 ⁴¹	9 ¹
M 7	7 4 54	16 ²⁷ 35	0 ³ 17	26 ²	6 ⁰	17 ³⁸	18 ²⁴	26 ¹⁶	28 ⁴¹	21 ⁴	14 ⁵⁶	26 ^{R10}	25 ²	7 ⁴⁷	8 ⁵⁹
T 8	7 8 51	17 ²⁸ 45	12 ⁴	27 ²³	7 ¹⁵	17 ¹⁴	18 ¹⁸	26 ²²	28 ³⁸	21 ⁴	14 ⁵⁸	26 ⁹	24 ⁵⁹	7 ⁵⁴	8 ⁵⁶
W 9	7 12 48	18 ²⁹ 55	23 ⁵³	28 ⁴⁶	8 ³⁰	16 ⁵⁰	18 ¹²	26 ²⁸	28 ³⁶	21 ⁴	14 ⁵⁹	26 ⁶	24 ⁵⁵	8 ¹	8 ⁵⁴
T 10	7 16 44	19 ³¹ 05	5 ⁴⁶	0 ³ 10	9 ⁴⁵	16 ²⁶	18 ⁶	26 ³⁴	28 ³³	21 ⁵	15 ¹	26 ³	24 ⁵²	8 ⁷	8 ⁵¹
F 11	7 20 41	20 ³² 14	17 ⁴⁶	1 ³⁴	11 ⁰	16 ³	18 ⁰	26 ⁴¹	28 ³⁰	21 ⁵	15 ³	25 ⁵⁹	24 ⁴⁹	8 ¹⁴	8 ⁴⁹
S 12	7 24 37	21 ³³ 22	29 ⁵³	3 ⁰	12 ¹⁵	15 ³⁹	17 ⁵⁴	26 ⁴⁷	28 ²⁸	21 ⁶	15 ⁴	25 ⁵⁴	24 ⁴⁶	8 ²¹	8 ⁴⁶
S 13	7 28 34	22 ³⁴ 30	12 ¹¹ 10	4 ²⁶	13 ³⁰	15 ¹⁶	17 ⁴⁹	26 ⁵³	28 ²⁵	21 ⁶	15 ⁶	25 ⁵⁰	24 ⁴³	8 ²⁷	8 ⁴⁴
M14	7 32 30	23 ³⁵ 37	24 ⁴⁰	5 ⁵³	14 ⁴⁵	14 ⁵³	17 ⁴³	27 ⁰	28 ²³	21 ⁶	15 ⁸	25 ⁴⁶	24 ⁴⁰	8 ³⁴	8 ⁴²
T 15	7 36 27	24 ³⁶ 44	7 ¹¹ 24	7 ²⁰	15 ⁵⁹	14 ³¹	17 ³⁸	27 ⁶	28 ²⁰	21 ⁷	15 ⁹	25 ⁴⁴	24 ³⁶	8 ⁴¹	8 ³⁹
W16	7 40 23	25 ³⁷ 49	20 ²⁷	8 ⁴⁹	17 ¹⁴	14 ⁹	17 ³³	27 ¹³	28 ¹⁷	21 ⁷	15 ¹¹	25 ^{D42}	24 ³³	8 ⁴⁷	8 ³⁷
T 17	7 44 20	26 ³⁸ 54	3 ³ 50	10 ¹⁸	18 ²⁹	13 ⁴⁷	17 ²⁸	27 ¹⁹	28 ¹⁵	21 ⁷	15 ¹³	25 ⁴²	24 ³⁰	8 ⁵⁴	8 ³⁵
F 18	7 48 17	27 ³⁹ 58	17 ³⁶	11 ⁴⁷	19 ⁴⁴	13 ²⁶	17 ²⁴	27 ²⁶	28 ¹²	21 ⁷	15 ¹⁵	25 ⁴³	24 ²⁷	9 ⁰	8 ³³
S 19	7 52 13	28 ⁴¹ 01	1 ¹¹ 46	13 ¹⁷	20 ⁵⁹	13 ⁵	17 ¹⁹	27 ³³	28 ¹⁰	21 ⁷	15 ¹⁶	25 ⁴⁵	24 ²⁴	9 ⁷	8 ³¹
S 20	7 56 10	29 ⁴² 03	16 ¹⁹	14 ⁴⁸	22 ¹⁴	12 ⁴⁵	17 ¹⁵	27 ³⁹	28 ⁷	21 ⁷	15 ¹⁸	25 ⁴⁶	24 ²¹	9 ¹⁴	8 ²⁹
M21	8 0 6	0 ⁴³ 04	1 ¹¹ 11	16 ²⁰	23 ²⁸	12 ²⁵	17 ¹¹	27 ⁴⁶	28 ⁴	21 ⁷	15 ²⁰	25 ^{R46}	24 ¹⁷	9 ²⁰	8 ²⁸
T 22	8 4 3	1 ⁴⁴ 04	16 ¹⁷	17 ⁵²	24 ⁴³	12 ⁷	17 ⁷	27 ⁵³	28 ²	21 ^{R 8}	15 ²¹	25 ⁴⁵	24 ¹⁴	9 ²⁷	8 ²⁶
W23	8 7 59	2 ⁴⁵ 03	1 ¹² 28	19 ²⁵	25 ⁵⁸	11 ⁴⁸	17 ³	28 ⁰	27 ⁵⁹	21 ⁷	15 ²³	25 ⁴²	24 ¹¹	9 ³⁴	8 ²⁴
T 24	8 11 56	3 ⁴⁶ 01	16 ³³	20 ⁵⁸	27 ¹²	11 ³¹	17 ⁰	28 ⁷	27 ⁵⁷	21 ⁷	15 ²⁵	25 ³⁷	24 ⁸	9 ⁴⁰	8 ²³
F 25	8 15 53	4 ⁴⁶ 58	1 ¹¹ 25	22 ³²	28 ²⁷	11 ¹⁴	16 ⁵⁶	28 ¹³	27 ⁵⁴	21 ⁷	15 ²⁷	25 ³¹	24 ⁵	9 ⁴⁷	8 ²¹
S 26	8 19 49	5 ⁴⁷ 55	15 ⁵³	24 ⁷	29 ⁴²	10 ⁵⁷	16 ⁵³	28 ²⁰	27 ⁵¹	21 ⁷	15 ²⁹	25 ²⁴	24 ¹	9 ⁵⁴	8 ²⁰
S 27	8 23 46	6 ⁴⁸ 50	29 ⁵⁵	25 ⁴²	0 ¹¹ 56	10 ⁴²	16 ⁵⁰	28 ²⁷	27 ⁴⁹	21 ⁷	15 ³⁰	25 ¹⁸	23 ⁵⁸	10 ⁰	8 ¹⁸
M28	8 27 42	7 ⁴⁹ 45	13 ⁴ 27	27 ¹⁸	2 ¹¹	10 ²⁷	16 ⁴⁷	28 ³⁴	27 ⁴⁶	21 ⁷	15 ³²	25 ¹⁴	23 ⁵⁵	10 ⁷	8 ¹⁷
T 29	8 31 39	8 ⁵⁰ 39	26 ³⁰	28 ⁵⁵	3 ²⁵	10 ¹³	16 ⁴⁵	28 ⁴¹	27 ⁴⁴	21 ⁷	15 ³⁴	25 ¹¹	23 ⁵²	10 ¹⁴	8 ¹⁶
W30	8 35 35	9 ⁵¹ 33	9 ¹¹ 9	0 ⁴³ 32	4 ⁴⁰	9 ⁵⁹	16 ⁴²	28 ⁴⁸	27 ⁴¹	21 ⁶	15 ³⁶	25 ^{D10}	23 ⁴⁹	10 ²⁰	8 ¹⁵
T 31	8 39 32	10 ⁵² 26	21 ¹¹ 27	2 ⁴¹ 10	5 ¹¹ 54	9 ⁵⁴ 7	16 ¹¹ 40	28 ⁵⁵	27 ³⁹ 3	21 ⁶	15 ³⁷	25 ¹¹ 1	23 ⁴⁶	10 ²⁷	8 ¹¹ 14

Delta T = 16.49 sec.

Greg. Calendar

FEBRUARY 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	8 43 28	11 ⁵³ 18	3 ¹¹ 30	3 ⁴⁹	7 ¹¹ 9	9 ^{R35}	16 ^{R38}	29 ²	27 ^{R36}	21 ^{R 6}	15 ³⁹	25 ¹²	23 ⁴²	10 ³⁴	8 ^{R13}
S 2	8 47 25	12 ⁵⁴ 09	15 ²²	5 ²⁹	8 ²³	9 ²⁴	16 ¹¹ 36	29 ⁹	27 ³⁴	21 ⁶	15 ⁴¹	25 ¹³	23 ³⁹	10 ⁴⁰	8 ¹¹ 12
S 3	8 51 22	13 ⁵⁴ 59	27 ⁹	7 ⁹	9 ³⁸	9 ¹⁴	16 ³⁵	29 ¹⁷	27 ³¹	21 ⁵	15 ⁴³	25 ^{R14}	23 ³⁶	10 ⁴⁷	8 ¹¹
M 4	8 55 18	14 ⁵⁵ 48	8 ³ 55	8 ⁵⁰	10 ⁵²	9 ⁴	16 ³³	29 ²⁴	27 ²⁹	21 ⁵	15 ⁴⁵	25 ¹³	23 ³³	10 ⁵⁴	8 ¹⁰
T 5	8 59 15	15 ⁵⁶ 36	20 ⁴³	10 ³²	12 ⁶	8 ⁵⁶	16 ³²	29 ³¹	27 ²⁶	21 ⁴	15 ⁴⁶	25 ⁹	23 ³⁰	11 ⁰	8 ⁹
W 6	9 3 11	16 ⁵⁷ 22	2 ² 37	12 ¹⁵	13 ²¹	8 ⁴⁸	16 ³¹	29 ³⁸	27 ²⁴	21 ⁴	15 ⁴⁸	25 ³	23 ²⁷	11 ⁷	8 ⁹
T 7	9 7 8	17 ⁵⁸ 08	14 ³⁹	13 ⁵⁸	14 ³⁵	8 ⁴¹	16 ³⁰	29 ⁴⁵	27 ²¹	21 ³	15 ⁵⁰	24 ⁵⁵	23 ²³	11 ¹³	8 ⁸
F 8	9 11 4	18 ⁵⁸ 52	26 ⁵⁰	15 ⁴²	15 ⁴⁹	8 ³⁵	16 ³⁰	29 ⁵²	27 ¹⁹	21 ³	15 ⁵²	24 ⁴⁵	23 ²⁰	11 ²⁰	8 ⁸
S 9	9 15 1	19 ⁵⁹ 34	9 ¹¹ 12	17 ²⁷	17 ³	8 ²⁹	16 ²⁹	29 ⁵⁹	27 ¹⁷	21 ²	15 ⁵⁴	24 ³⁴	23 ¹⁷	11 ²⁷	8 ⁷
S 10	9 18 57	21 ⁰ 16	21 ⁴⁴	19 ¹³	18 ¹⁷	8 ²⁵	16 ^{D29}	0 ¹¹ 7	27 ¹⁴	21 ²	15 ⁵⁵	24 ²⁴	23 ¹⁴	11 ³³	8 ⁷
M11	9 22 54	22 ⁰ 55	4 ¹¹ 27	21 ⁰	19 ³¹	8 ²¹	16 ²⁹	0 ¹⁴	27 ¹²	21 ¹	15 ⁵⁷	24 ¹⁴	23 ¹¹	11 ⁴⁰	8 ⁷
T 12	9 26 50	23 ¹ 33	17 ²³	22 ⁴⁸	20 ⁴⁵	8 ¹⁸	16 ³⁰	0 ²¹	27 ¹⁰	21 ⁰	15 ⁵⁹	24 ⁶	23 ⁷	11 ⁴⁷	8 ⁶
W13	9 30 47	24 ² 10	0 ⁸ 31	24 ³⁶	21 ⁵⁹	8 ¹⁶	16 ³⁰	0 ²⁹	27 ⁷	21 ⁰	16 ¹	24 ¹	23 ⁴	11 ⁵³	8 ⁶
T 14	9 34 44	25 ² 44	13 ⁵⁴	26 ²⁵	23 ¹³	8 ¹⁴	16 ³¹	0 ³⁶	27 ⁵	20 ⁵⁹	16 ²	23 ⁵⁹	23 ¹	12 ⁰	8 ^{D 6}
F 15	9 38 40	26 ³ 17	27 ³³	28 ¹⁵	24 ²⁷	8 ^{D14}	16 ³²	0 ⁴³	27 ³	20 ⁵⁸	16 ⁴	23 ^{D58}	22 ⁵⁸	12 ⁷	8 ⁶
S 16	9 42 37	27 ³ 48	11 ¹¹ 29	0 ¹¹ 6	25 ⁴¹	8 ¹⁴	16 ³³	0 ⁵⁰	27 ¹	20 ⁵⁷	16 ⁶	23 ⁵⁹	22 ⁵⁵	12 ¹³	8 ⁶
S 17	9 46 33	28 ⁴ 17	25 ⁴³	1 ⁵⁷	26 ⁵⁵	8 ¹⁵	16 ³⁴	0 ⁵⁸	26 ⁵⁹	20 ⁵⁷	16 ⁸	23 ^{R59}	22 ⁵²	12 ²⁰	8 ⁷
M18	9 50 30	29 ⁴ 44	10 ¹¹ 13	3 ⁴⁹	28 ⁹	8 ¹⁶	16 ³⁵	1 ⁵	26 ⁵⁶	20 ⁵⁶	16 ¹⁰	23 ⁵⁸	22 ⁴⁸	12 ²⁷	8 ⁷
T 19	9 54 26	0 ¹¹ 51	24 ⁵⁶	5 ⁴¹	29 ²²	8 ¹⁸	16 ³⁷	1 ¹²	26 ⁵⁴	20 ⁵⁵	16 ¹¹	23 ⁵⁵	22 ⁴⁵	12 ³³	8 ⁷
W20	9 58 23	1 ⁵ 33	9 ¹¹ 47	7 ³⁴	0 ¹¹ 36	8 ²¹	16 ³⁹	1 ²⁰	26 ⁵²	20 ⁵⁴	16 ¹³	23 ⁴⁸	22 ⁴²	12 ⁴⁰	8 ⁸
T 21	10 2 20	2 ⁵ 55	24 ³⁷	9 ²⁷	1 ⁵⁰	8 ²⁵	16 ⁴¹	1 ²⁷	26 ⁵⁰	20 ⁵³	16 ¹⁵	23 ⁴⁰	22 ³⁹	12 ⁴⁷	8 ⁸
F 22	10 6 16	3 ⁶ 15	9 ¹¹ 20	11 ²⁰	3 ³	8 ²⁹	16 ⁴³	1 ³⁴	26 ⁴⁸	20 ⁵²	16 ¹⁷	23 ²⁹	22 ³⁶	12 ⁵³	8 ⁹
S 23	10 10 13	4 ⁶ 33	23 ⁴⁵	13 ¹⁴	4 ¹⁷	8 ³⁴	16 ⁴⁵	1 ⁴							

SWISS EPHEMERIS for the year 1788

MARCH 1788

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	10 37 48	11♋ 7'57	23♊ 37	26♋ 0	12♏ 49	9♄ 28	17♁ 8	2♃ 32	26°R34	20°R43	16♌ 30	22°R45	22♊ 10	13♄ 47	8♁ 16		
S 2	10 41 45	12° 8'03	5♄ 24	27°41	14° 2	9°38	17°12	2°39	26♄ 32	20♌ 42	16°32	22♊ 45	22° 7	13°53	8°18		
M 3	10 45 42	13° 8'07	17° 12	29°19	15°15	9°48	17°16	2°47	26°31	20°41	16°33	22°42	22° 4	14° 0	8°19		
T 4	10 49 38	14° 8'09	29° 3	0♏ 52	16°28	9°59	17°20	2°54	26°29	20°40	16°35	22°38	22° 1	14° 6	8°21		
W 5	10 53 35	15° 8'10	11♌ 2	2°22	17°41	10°11	17°24	3° 1	26°28	20°39	16°37	22°30	21°58	14°13	8°22		
T 6	10 57 31	16° 8'09	23°13	3°46	18°54	10°23	17°29	3° 8	26°26	20°37	16°38	22°20	21°54	14°20	8°24		
F 7	11 1 28	17° 8'06	5♋ 37	5° 4	20° 7	10°36	17°34	3°15	26°25	20°36	16°40	22° 7	21°51	14°26	8°25		
S 8	11 5 24	18° 8'02	18°15	6°17	21°19	10°49	17°39	3°23	26°24	20°35	16°41	21°53	21°48	14°33	8°27		
S 9	11 9 21	19° 7'55	1♏ 6	7°22	22°32	11° 3	17°44	3°30	26°22	20°33	16°43	21°39	21°45	14°40	8°29		
M10	11 13 17	20° 7'46	14°10	8°21	23°44	11°17	17°49	3°37	26°21	20°32	16°45	21°27	21°42	14°46	8°31		
T 11	11 17 14	21° 7'35	27°26	9°12	24°57	11°32	17°55	3°44	26°20	20°31	16°46	21°17	21°38	14°53	8°33		
W12	11 21 11	22° 7'22	10♄ 52	9°56	26° 9	11°47	18° 0	3°51	26°19	20°29	16°48	21°10	21°35	15° 0	8°35		
T 13	11 25 7	23° 7'07	24°28	10°32	27°22	12° 3	18° 6	3°58	26°18	20°28	16°49	21° 5	21°32	15° 6	8°37		
F 14	11 29 4	24° 6'50	8♁ 13	10°59	28°34	12°19	18°12	4° 5	26°17	20°26	16°51	21° 4	21°29	15°13	8°39		
S 15	11 33 0	25° 6'30	22° 8	11°18	29°46	12°35	18°18	4°12	26°16	20°25	16°52	21° 3	21°26	15°20	8°41		
S 16	11 36 57	26° 6'09	6♄ 12	11°29	0♄ 58	12°52	18°24	4°19	26°15	20°24	16°54	21° 3	21°23	15°26	8°43		
M17	11 40 53	27° 5'44	20°25	11°R32	2°10	13°10	18°31	4°26	26°14	20°22	16°55	21° 2	21°19	15°33	8°46		
T 18	11 44 50	28° 5'18	4♁ 45	11°26	3°22	13°28	18°37	4°33	26°13	20°21	16°56	20°58	21°16	15°40	8°48		
W19	11 48 46	29° 4'49	19°10	11°13	4°34	13°46	18°44	4°40	26°12	20°19	16°58	20°52	21°13	15°46	8°51		
T 20	11 52 43	0♏ 4'17	3♏ 35	10°53	5°45	14° 5	18°51	4°47	26°11	20°18	16°59	20°43	21°10	15°53	8°53		
F 21	11 56 40	1° 3'44	17°53	10°26	6°57	14°23	18°58	4°53	26°11	20°16	17° 1	20°31	21° 7	16° 0	8°56		
S 22	12 0 36	2° 3'08	1♌ 59	9°52	8° 9	14°43	19° 5	5° 0	26°10	20°15	17° 2	20°19	21° 4	16° 6	8°59		
S 23	12 4 33	3° 2'31	15°49	9°14	9°20	15° 3	19°13	5° 7	26° 9	20°13	17° 3	20° 8	21° 0	16°13	9° 1		
M24	12 8 29	4° 1'51	29°17	8°31	10°31	15°23	19°20	5°14	26° 9	20°11	17° 5	19°58	20°57	16°20	9° 4		
T 25	12 12 26	5° 1'10	12♁ 22	7°45	11°43	15°43	19°28	5°20	26° 8	20°10	17° 6	19°50	20°54	16°26	9° 7		
W26	12 16 22	6° 0'26	25° 5	6°56	12°54	16° 4	19°35	5°27	26° 8	20° 8	17° 7	19°45	20°51	16°33	9°10		
T 27	12 20 19	6°59'41	7♊ 28	6° 6	14° 5	16°25	19°43	5°34	26° 7	20° 7	17° 9	19°43	20°48	16°40	9°13		
F 28	12 24 15	7°58'55	19°34	5°16	15°16	16°46	19°51	5°40	26° 7	20° 5	17°10	19°D42	20°44	16°46	9°16		
S 29	12 28 12	8°58'06	1♄ 30	4°26	16°27	17° 8	19°59	5°47	26° 7	20° 4	17°11	19°42	20°41	16°53	9°19		
S 30	12 32 9	9°57'15	13°20	3°37	17°37	17°30	20° 8	5°53	26° 7	20° 2	17°12	19°R42	20°38	17° 0	9°22		
M31	12 36 5	10°56'23	25♄ 9	2°51	18♄ 48	17♄ 52	20♁ 16	6♋ 0	26♄ 6	20♌ 0	17♌ 13	19♊ 41	20♊ 35	17♄ 6	9♁ 25		

Delta T = 16.49 sec.

Greg. Calendar

APRIL 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	12 40 2	11♏ 55'29	7♌ 3	2°R 9	19♄ 59	18♄ 15	20♁ 25	6♋ 6	26°R 6	19°R59	17♌ 15	19°R38	20♊ 32	17♄ 13	9♁ 29		
W 2	12 43 58	12°54'33	19° 6	1♏ 30	21° 9	18°38	20°33	6°12	26° 6	19♌ 57	17°16	19♊ 33	20°29	17°20	9°32		
T 3	12 47 55	13°53'35	1♋ 23	0°55	22°19	19° 1	20°42	6°19	26°D 6	19°55	17°17	19°25	20°25	17°26	9°35		
F 4	12 51 51	14°52'36	13°56	0°25	23°30	19°24	20°51	6°25	26° 6	19°54	17°18	19°15	20°22	17°33	9°39		
S 5	12 55 48	15°51'34	26°48	0° 0	24°40	19°48	21° 0	6°31	26° 6	19°52	17°19	19° 4	20°19	17°40	9°42		
S 6	12 59 44	16°50'31	9♏ 57	29♋ 41	25°50	20°12	21° 9	6°37	26° 7	19°50	17°20	18°53	20°16	17°46	9°46		
M 7	13 3 41	17°49'25	23° 3	29°27	27° 0	20°36	21°18	6°43	26° 7	19°49	17°21	18°43	20°13	17°53	9°50		
T 8	13 7 37	18°48'18	7♄ 3	29°18	28°10	21° 1	21°28	6°49	26° 7	19°47	17°22	18°35	20°10	18° 0	9°53		
W 9	13 11 34	19°47'08	20°53	29°D14	29°19	21°26	21°37	6°55	26° 7	19°46	17°23	18°29	20° 6	18° 6	9°57		
T 10	13 15 31	20°45'57	4♁ 52	29°16	0♁ 29	21°51	21°47	7° 1	26° 8	19°44	17°24	18°26	20° 3	18°13	10° 1		
F 11	13 19 27	21°44'43	18°56	29°23	1°38	22°16	21°57	7° 7	26° 8	19°42	17°25	18°D26	20° 0	18°19	10° 5		
S 12	13 23 24	22°43'27	3♄ 3	29°35	2°48	22°41	22° 6	7°13	26° 9	19°41	17°26	18°26	19°57	18°26	10° 8		
S 13	13 27 20	23°42'09	17°11	29°52	3°57	23° 7	22°16	7°19	26° 9	19°39	17°27	18°R27	19°54	18°33	10°12		
M14	13 31 17	24°40'48	1♁ 19	0♏ 13	5° 6	23°33	22°26	7°25	26°10	19°37	17°28	18°27	19°50	18°39	10°16		
T 15	13 35 13	25°39'25	15°27	0°39	6°15	23°59	22°36	7°30	26°10	19°36	17°29	18°25	19°47	18°46	10°20		
W16	13 39 10	26°38'00	29°31	1°10	7°24	24°26	22°47	7°36	26°11	19°34	17°30	18°21	19°44	18°53	10°24		
T 17	13 43 6	27°36'33	13♏ 30	1°44	8°32	24°52	22°57	7°42	26°12	19°32	17°30	18°15	19°41	18°59	10°28		
F 18	13 47 3	28°35'03	27°20	2°22	9°41	25°19	23° 7	7°47	26°13	19°31	17°31	18° 8	19°38	19° 6	10°33		
S 19	13 51 0	29°33'31	11♌ 0	3° 5	10°49	25°46	23°18	7°53	26°14	19°29	17°32	18° 0	19°35	19°13	10°37		
S 20	13 54 56	0♄ 31'58	24°26	3°50	11°57	26°13	23°29	7°58	26°14	19°28	17°33	17°52	19°31	19°19	10°41		
M21	13 58 53	1°30'22	7♁ 35	4°40	13° 5	26°40	23°39	8° 3	26°15	19°26	17°33	17°45	19°28	19°26	10°45		
T 22	14 2 49	2°28'45	20°26	5°32	14°13	27° 8	23°50	8° 8	26°16	19°24	17°34	17°40	19°25	19°33	10°49		
W23	14 6 46	3°27'06	3♊ 1	6°28	15°21	27°36	24° 1	8°14	26°17	19°23	17°35	17°37	19°22	19°39	10°54		
T 24	14 10 42	4°25'26	15°19	7°26	16°28	28° 3	24°12	8°19	26°19	19°21	17°35	17°D35	19°19	19°46	10°58		
F 25	14 14 39	5°23'43	27°25	8°28	17°36	28°32	24°23	8°24	26°20	19°20	17°36	17°36	19°15	19°53	11° 3		
S 26	14 18 35	6°22'00	9♄ 20	9°32	18°43	29° 0	24°34	8°29	26°21	19°18	17°37	17°37	19°12	19°59	11° 7		
S 27	14 22 32	7°20'14	21°11	10°39	19°50	29°28	24°45	8°34	26°22	19°17	17°37	17°39	19° 9	20° 6	11°12		
M28	14 26 29	8°18'27	3♌ 1	11°49	20°57	29°57	24°57	8°39	26°24	19°15	17°38	17°R40	19° 6	20°13	11°16		
T 29	14 30 25	9°16'39	14°56	13° 1	22° 3	0♁ 25	25° 8	8°43	26°25	19°13	17°38	17°40	19° 3	20°19	11°21		
W30	14 34 22	10♄ 14'49	27♌ 1	14°Y16	23♁ 10	0♁ 54	25♁ 19	8♋ 48	26♄ 26	19♌ 12	17♌ 39	17♊ 38	19♊ 0	20♄ 26	11♁ 25		

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SWISS EPHEMERIS for the year 1788

MAY 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	14 38 18	11♌12'57	9♋20	15♃33	24♈16	1♉23	25♈31	8♋53	26♌28	19♁R10	17♋39	17♁R35	18♌56	20♌33	11♈30
F 2	14 42 15	12°11'04	21°57	16°52	25°22	1°53	25°42	8°57	26°29	19♁ 9	17°40	17♁R31	18°53	20°39	11°35
S 3	14 46 11	13° 9'10	4♃55	18°13	26°28	2°22	25°54	9° 2	26°31	19° 7	17°40	17°26	18°50	20°46	11°39
S 4	14 50 8	14° 7'14	18°15	19°37	27°34	2°52	26° 6	9° 6	26°32	19° 6	17°40	17°20	18°47	20°53	11°44
M 5	14 54 4	15° 5'17	1♌56	21° 3	28°39	3°21	26°18	9°10	26°34	19° 5	17°41	17°15	18°44	20°59	11°49
T 6	14 58 1	16° 3'18	15°57	22°31	29°45	3°51	26°29	9°15	26°36	19° 3	17°41	17°11	18°41	21° 6	11°53
W 7	15 1 58	17° 1'18	0♈12	24° 1	0♌50	4°21	26°41	9°19	26°38	19° 2	17°41	17° 9	18°37	21°13	11°58
T 8	15 5 54	17°59'16	14°37	25°34	1°55	4°51	26°53	9°23	26°39	19° 0	17°42	17°D 8	18°34	21°19	12° 3
F 9	15 9 51	18°57'12	29° 6	27° 8	2°59	5°21	27° 6	9°27	26°41	18°59	17°42	17° 8	18°31	21°26	12° 8
S 10	15 13 47	19°55'07	13♌35	28°44	4° 4	5°52	27°18	9°31	26°43	18°58	17°42	17° 9	18°28	21°33	12°13
S 11	15 17 44	20°53'00	28° 0	0♌23	5° 8	6°22	27°30	9°35	26°45	18°56	17°42	17°11	18°25	21°39	12°18
M 12	15 21 40	21°50'51	12♉16	2° 4	6°12	6°53	27°42	9°39	26°47	18°55	17°42	17°12	18°21	21°46	12°23
T 13	15 25 37	22°48'40	26°22	3°46	7°15	7°24	27°54	9°42	26°49	18°54	17°43	17°R 12	18°18	21°53	12°28
W 14	15 29 33	23°46'28	10♈16	5°31	8°18	7°54	28° 7	9°46	26°51	18°52	17°43	17°11	18°15	21°59	12°33
T 15	15 33 30	24°44'13	23°57	7°18	9°22	8°25	28°19	9°49	26°53	18°51	17°43	17° 9	18°12	22° 6	12°38
F 16	15 37 27	25°41'57	7♌26	9° 7	10°24	8°57	28°32	9°53	26°55	18°50	17°43	17° 7	18° 9	22°13	12°43
S 17	15 41 23	26°39'40	20°40	10°58	11°27	9°28	28°44	9°56	26°58	18°49	17°43	17° 4	18° 6	22°19	12°48
S 18	15 45 20	27°37'21	3♈41	12°51	12°29	9°59	28°57	9°59	27° 0	18°47	17°R 43	17° 1	18° 2	22°26	12°53
M 19	15 49 16	28°35'01	16°28	14°46	13°31	10°31	29° 9	10° 3	27° 2	18°46	17°43	16°59	17°59	22°33	12°58
T 20	15 53 13	29°32'39	29° 2	16°43	14°32	11° 2	29°22	10° 6	27° 4	18°45	17°43	16°57	17°56	22°39	13° 3
W 21	15 57 9	0♈30'16	11♌23	18°42	15°33	11°34	29°35	10° 9	27° 7	18°44	17°43	16°D 56	17°53	22°46	13° 8
T 22	16 1 6	1°27'52	23°32	20°43	16°34	12° 6	29°47	10°12	27° 9	18°43	17°43	16°56	17°50	22°53	13°13
F 23	16 5 2	2°25'27	5♌32	22°46	17°35	12°38	0♌ 0	10°14	27°12	18°42	17°43	16°57	17°47	22°59	13°18
S 24	16 8 59	3°23'00	17°26	24°50	18°35	13°10	0°13	10°17	27°14	18°41	17°42	16°58	17°43	23° 6	13°23
S 25	16 12 56	4°20'33	29°16	26°56	19°35	13°42	0°26	10°20	27°17	18°40	17°42	16°59	17°40	23°13	13°28
M 26	16 16 52	5°18'05	11♋ 6	29° 4	20°34	14°14	0°39	10°22	27°19	18°39	17°42	17° 0	17°37	23°20	13°33
T 27	16 20 49	6°15'36	23° 1	1♈13	21°33	14°46	0°52	10°25	27°22	18°38	17°42	17° 1	17°34	23°26	13°39
W 28	16 24 45	7°13'06	5♋ 6	3°23	22°32	15°19	1° 5	10°27	27°24	18°37	17°42	17°R 1	17°31	23°33	13°44
T 29	16 28 42	8°10'35	17°24	5°34	23°30	15°51	1°18	10°30	27°27	18°36	17°41	17° 1	17°27	23°40	13°49
F 30	16 32 38	9° 8'04	29°59	7°46	24°28	16°24	1°31	10°32	27°30	18°35	17°41	17° 1	17°24	23°46	13°54
S 31	16 36 35	10♈ 5'32	12♃57	9♈58	25♌25	16♉57	1♌44	10♋34	27♌33	18♌34	17♋41	17♁ 0	17♁R 1	23♌53	13♈59

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Greg. Calendar

JUNE 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	16 40 31	11♈ 2'59	26♃19	12♈10	26♌22	17♉29	1♌57	10♋36	27♌35	18♁R33	17°R 40	16°R 59	17♁R 18	24♌ 0	14♈ 4
M 2	16 44 28	12° 0'25	10♌ 6	14°22	27°18	18° 2	2°10	10°38	27°38	18♌32	17♋40	16♌59	17°15	24° 6	14°10
T 3	16 48 25	12°57'51	24°17	16°33	28°14	18°35	2°24	10°39	27°41	18°31	17°40	16°58	17°12	24°13	14°15
W 4	16 52 21	13°55'16	8♈48	18°44	29°10	19° 8	2°37	10°41	27°44	18°30	17°39	16°58	17° 8	24°20	14°20
T 5	16 56 18	14°52'40	23°34	20°54	0♌ 5	19°42	2°50	10°43	27°47	18°30	17°39	16°D 58	17° 5	24°26	14°25
F 6	17 0 14	15°50'04	8♌27	23° 3	0°59	20°15	3° 3	10°44	27°50	18°29	17°38	16°58	17° 2	24°33	14°31
S 7	17 4 11	16°47'26	23°21	25°10	1°53	20°48	3°17	10°46	27°53	18°28	17°38	16°R 58	16°59	24°40	14°36
S 8	17 8 7	17°44'48	8♉ 7	27°16	2°46	21°22	3°30	10°47	27°56	18°28	17°37	16°58	16°56	24°46	14°41
M 9	17 12 4	18°42'08	22°39	29°20	3°39	21°55	3°43	10°48	27°59	18°27	17°37	16°58	16°53	24°53	14°46
T 10	17 16 0	19°39'28	6♈54	1♌22	4°31	22°29	3°57	10°49	28° 2	18°26	17°36	16°58	16°49	25° 0	14°51
W 11	17 19 57	20°36'46	20°49	3°22	5°22	23° 3	4°10	10°50	28° 5	18°26	17°36	16°D 58	16°46	25° 6	14°57
T 12	17 23 54	21°34'04	4♌24	5°20	6°13	23°36	4°24	10°51	28° 8	18°25	17°35	16°58	16°43	25°13	15° 2
F 13	17 27 50	22°31'20	17°39	7°16	7° 3	24°10	4°37	10°52	28°11	18°25	17°34	16°58	16°40	25°20	15° 7
S 14	17 31 47	23°28'36	0♈36	9°10	7°52	24°44	4°51	10°53	28°14	18°24	17°34	16°59	16°37	25°26	15°12
S 15	17 35 43	24°25'51	13°18	11° 1	8°40	25°18	5° 4	10°53	28°17	18°24	17°33	17° 0	16°33	25°33	15°17
M 16	17 39 40	25°23'06	25°46	12°50	9°28	25°52	5°18	10°54	28°21	18°23	17°32	17° 0	16°30	25°40	15°22
T 17	17 43 36	26°20'20	8♌ 3	14°37	10°15	26°27	5°31	10°54	28°24	18°23	17°32	17° 1	16°27	25°46	15°28
W 18	17 47 33	27°17'33	20°10	16°21	11° 1	27° 1	5°45	10°55	28°27	18°23	17°31	17°R 1	16°24	25°53	15°33
T 19	17 51 29	28°14'46	2♌10	18° 4	11°46	27°35	5°58	10°55	28°30	18°22	17°30	17° 0	16°21	26° 0	15°38
F 20	17 55 26	29°11'59	14° 4	19°44	12°31	28°10	6°12	10°55	28°34	18°22	17°29	16°59	16°18	26° 6	15°43
S 21	17 59 23	0♌ 9'11	25°55	21°21	13°14	28°44	6°25	10°R 55	28°37	18°22	17°29	16°58	16°14	26°13	15°48
S 22	18 3 19	1° 6'23	7♋45	22°56	13°56	29°19	6°39	10°55	28°40	18°21	17°28	16°56	16°11	26°20	15°53
M 23	18 7 16	2° 3'35	19°36	24°29	14°38	29°53	6°52	10°55	28°44	18°21	17°27	16°54	16° 8	26°26	15°58
T 24	18 11 12	3° 0'47	1♋32	25°59	15°18	0♈28	7° 6	10°55	28°47	18°21	17°26	16°52	16° 5	26°33	16° 3
W 25	18 15 9	3°57'59	13°37	27°27	15°57	1° 3	7°19	10°54	28°51	18°21	17°25	16°50	16° 2	26°40	16° 8
T 26	18 19 5	4°55'11	25°54	28°53	16°36	1°38	7°33	10°54	28°54	18°21	17°24	16°49	15°59	26°46	16°13
F 27	18 23 2	5°52'23	8♃27	0♉16	17°12	2°13	7°47	10°53	28°57	18°21	17°23	16°D 49	15°55	26°53	16°18
S 28	18 26 58	6°49'35	21°20	1°37	17°48	2°48	8° 0	10°53	29° 1	18°21	17°22	16°49	15°52	27° 0	16°23
S 29	18 30 55	7°46'47	4♌37	2°55	18°23	3°23	8°14	10°52	29° 4	18°D 21	17°21	16°50	15°49	27° 6	16°28
M 30	18 34 52	8♌44'00	18♌20	4♉10	18♉56	3♈58	8♌27	10♋51	29♌ 8	18♌21	17♋20	16♌52	15♌46	27♌13	16♈33

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SWISS EPHEMERIS for the year 1788

JULY 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	18 38 48	9 ^h 41'13"	2 ^h II'29"	5 ^h Ω'23"	19 ^h Ω'28"	4 ^h ♁'33"	8 ^h Ω'41"	10 ^h R50	29 ^h Ω'11"	18 ^h Ω'21"	17 ^h R19	16 ^h ♁'53"	15 ^h ♁'43"	27 ^h Ω'20"	16 ^h II'38"
W 2	18 42 45	10 ^h 38'26"	17 ^h 4	6 ^h 33"	19 ^h 58"	5 ^h 9	8 ^h 55"	10 ^h ♁'49"	29 ^h 15"	18 ^h 21"	17 ^h ♁'18"	16 ^h R53	15 ^h 39"	27 ^h 27"	16 ^h 43"
T 3	18 46 41	11 ^h 35'39"	1 ^h Ω'58"	7 ^h 41"	20 ^h 27"	5 ^h 44"	9 ^h 8	10 ^h 48"	29 ^h 19"	18 ^h 21"	17 ^h 17"	16 ^h 53"	15 ^h 36"	27 ^h 33"	16 ^h 48"
F 4	18 50 38	12 ^h 32'53"	17 ^h 5	8 ^h 45"	20 ^h 55"	6 ^h 19"	9 ^h 22"	10 ^h 46"	29 ^h 22"	18 ^h 21"	17 ^h 16"	16 ^h 51"	15 ^h 33"	27 ^h 40"	16 ^h 53"
S 5	18 54 34	13 ^h 30'06"	2 ^h Ω'17"	9 ^h 47"	21 ^h 21"	6 ^h 55"	9 ^h 35"	10 ^h 45"	29 ^h 26"	18 ^h 21"	17 ^h 15"	16 ^h 48"	15 ^h 30"	27 ^h 47"	16 ^h 58"
S 6	18 58 31	14 ^h 27'20"	17 ^h 22"	10 ^h 45"	21 ^h 45"	7 ^h 31"	9 ^h 49"	10 ^h 44"	29 ^h 29"	18 ^h 21"	17 ^h 14"	16 ^h 44"	15 ^h 27"	27 ^h 53"	17 ^h 3
M 7	19 2 28	15 ^h 24'33"	2 ^h ♁'12"	11 ^h 41"	22 ^h 8	8 ^h 6	10 ^h 2	10 ^h 42"	29 ^h 33"	18 ^h 22"	17 ^h 13"	16 ^h 41"	15 ^h 24"	28 ^h 0	17 ^h 8
T 8	19 6 24	16 ^h 21'46"	16 ^h 40"	12 ^h 33"	22 ^h 29"	8 ^h 42"	10 ^h 16"	10 ^h 41"	29 ^h 36"	18 ^h 22"	17 ^h 12"	16 ^h 37"	15 ^h 20"	28 ^h 7	17 ^h 12
W 9	19 10 21	17 ^h 19'00"	0 ^h Ω'44"	13 ^h 22"	22 ^h 48"	9 ^h 18"	10 ^h 29"	10 ^h 39"	29 ^h 40"	18 ^h 22"	17 ^h 11"	16 ^h 35"	15 ^h 17"	28 ^h 13"	17 ^h 17
T 10	19 14 17	18 ^h 16'13"	14 ^h 20"	14 ^h 7	23 ^h 5	9 ^h 54"	10 ^h 43"	10 ^h 37"	29 ^h 44"	18 ^h 23"	17 ^h 10"	16 ^h D34	15 ^h 14"	28 ^h 20"	17 ^h 22
F 11	19 18 14	19 ^h 13'26"	27 ^h 32"	14 ^h 49"	23 ^h 20"	10 ^h 30"	10 ^h 56"	10 ^h 35"	29 ^h 47"	18 ^h 23"	17 ^h 9	16 ^h 34"	15 ^h 11"	28 ^h 27"	17 ^h 27
S 12	19 22 10	20 ^h 10'40"	10 ^h ♁'21"	15 ^h 27"	23 ^h 34"	11 ^h 6	11 ^h 10"	10 ^h 33"	29 ^h 51"	18 ^h 23"	17 ^h 8	16 ^h 35"	15 ^h 8	28 ^h 33"	17 ^h 31
S 13	19 26 7	21 ^h 7'53"	22 ^h 52"	16 ^h 1	23 ^h 45"	11 ^h 42"	11 ^h 23"	10 ^h 31"	29 ^h 55"	18 ^h 24"	17 ^h 6	16 ^h 37"	15 ^h 5	28 ^h 40"	17 ^h 36
M14	19 30 3	22 ^h 5'07"	5 ^h ♁' 8	16 ^h 30"	23 ^h 54"	12 ^h 18"	11 ^h 37"	10 ^h 29"	29 ^h 58"	18 ^h 24"	17 ^h 5	16 ^h 38"	15 ^h 1	28 ^h 47"	17 ^h 40
T 15	19 34 0	23 ^h 2'21"	17 ^h 12"	16 ^h 56"	24 ^h 1	12 ^h 54"	11 ^h 50"	10 ^h 27"	0 ^h Ω' 2	18 ^h 25"	17 ^h 4	16 ^h R39	14 ^h 58"	28 ^h 53"	17 ^h 45
W16	19 37 57	23 ^h 59'35"	29 ^h 10"	17 ^h 17"	24 ^h 6	13 ^h 30"	12 ^h 4	10 ^h 24"	0 ^h 6	18 ^h 25"	17 ^h 3	16 ^h 38"	14 ^h 55"	29 ^h 0	17 ^h 50
T 17	19 41 53	24 ^h 56'50"	11 ^h Ω' 3	17 ^h 34"	24 ^h 8	14 ^h 7	12 ^h 17"	10 ^h 22"	0 ^h 9	18 ^h 26"	17 ^h 2	16 ^h 36"	14 ^h 52"	29 ^h 7	17 ^h 54
F 18	19 45 50	25 ^h 54'05"	22 ^h 53"	17 ^h 46"	24 ^h R 8	14 ^h 43"	12 ^h 30"	10 ^h 19"	0 ^h 13	18 ^h 26"	17 ^h 0	16 ^h 31"	14 ^h 49"	29 ^h 13	17 ^h 58
S 19	19 49 46	26 ^h 51'21"	4 ^h ♁'43"	17 ^h 53"	24 ^h 6	15 ^h 19"	12 ^h 44"	10 ^h 17"	0 ^h 17	18 ^h 27"	16 ^h 59"	16 ^h 25"	14 ^h 45"	29 ^h 20"	18 ^h 3
S 20	19 53 43	27 ^h 48'37"	16 ^h 35"	17 ^h R55	24 ^h 2	15 ^h 56"	12 ^h 57"	10 ^h 14"	0 ^h 20	18 ^h 28"	16 ^h 58"	16 ^h 18"	14 ^h 42"	29 ^h 27"	18 ^h 7
M21	19 57 39	28 ^h 45'54"	28 ^h 30"	17 ^h 53"	23 ^h 55"	16 ^h 33"	13 ^h 10"	10 ^h 11"	0 ^h 24	18 ^h 28"	16 ^h 57"	16 ^h 10"	14 ^h 39"	29 ^h 34"	18 ^h 12
T 22	20 1 36	29 ^h 43'11"	10 ^h ♁'31"	17 ^h 45"	23 ^h 45"	17 ^h 9	13 ^h 24"	10 ^h 8	0 ^h 28	18 ^h 29"	16 ^h 55"	16 ^h 3	14 ^h 36"	29 ^h 40"	18 ^h 16
W23	20 5 32	0 ^h Ω'40'30"	22 ^h 39"	17 ^h 32"	23 ^h 34"	17 ^h 46"	13 ^h 37"	10 ^h 6	0 ^h 31	18 ^h 30"	16 ^h 54"	15 ^h 56"	14 ^h 33"	29 ^h 47"	18 ^h 20
T 24	20 9 29	1 ^h 37'49"	4 ^h ♁'59"	17 ^h 15"	23 ^h 20"	18 ^h 23"	13 ^h 50"	10 ^h 3	0 ^h 35	18 ^h 31"	16 ^h 53"	15 ^h 51"	14 ^h 30"	29 ^h 54"	18 ^h 24
F 25	20 13 26	2 ^h 35'09"	17 ^h 31"	16 ^h 52"	23 ^h 3	18 ^h 59"	14 ^h 3	9 ^h 59"	0 ^h 39	18 ^h 31"	16 ^h 52"	15 ^h 48"	14 ^h 26"	0 ^h ♁' 0	18 ^h 29
S 26	20 17 22	3 ^h 32'31"	0 ^h ♁'22"	16 ^h 25"	22 ^h 44"	19 ^h 36"	14 ^h 16"	9 ^h 56"	0 ^h 43	18 ^h 32"	16 ^h 50"	15 ^h D47	14 ^h 23"	0 ^h 7	18 ^h 33
S 27	20 21 19	4 ^h 29'53"	13 ^h 32"	15 ^h 54"	22 ^h 24"	20 ^h 13"	14 ^h 30"	9 ^h 53"	0 ^h 46	18 ^h 33"	16 ^h 49"	15 ^h 47"	14 ^h 20"	0 ^h 14	18 ^h 37
M28	20 25 15	5 ^h 27'17"	27 ^h 7	15 ^h 18"	22 ^h 0	20 ^h 50"	14 ^h 43"	9 ^h 50"	0 ^h 50	18 ^h 34"	16 ^h 48"	15 ^h 48"	14 ^h 17"	0 ^h 20	18 ^h 41
T 29	20 29 12	6 ^h 24'42"	11 ^h II' 7	14 ^h 39"	21 ^h 35"	21 ^h 27"	14 ^h 56"	9 ^h 46"	0 ^h 54	18 ^h 35"	16 ^h 46"	15 ^h R49	14 ^h 14"	0 ^h 27	18 ^h 45
W30	20 33 8	7 ^h 22'08"	25 ^h 33"	13 ^h 57"	21 ^h 8	22 ^h 5	15 ^h 9	9 ^h 43"	0 ^h 57	18 ^h 36"	16 ^h 45"	15 ^h 49"	14 ^h 11"	0 ^h 34	18 ^h 49
T 31	20 37 5	8 ^h Ω'19'35"	10 ^h Ω'22"	13 ^h Ω'13"	20 ^h Ω'39"	22 ^h ♁'42"	15 ^h Ω'22"	9 ^h ♁'39"	1 ^h Ω' 1	18 ^h Ω'37"	16 ^h ♁'44"	15 ^h ♁'46"	14 ^h ♁' 7	0 ^h ♁'40	18 ^h II'53"

Delta T = 16.50 sec.

Greg. Calendar

AUGUST 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	20 41 1	9 ^h Ω'17'04"	25 ^h Ω'28"	12 ^h R27	20 ^h R 9	23 ^h ♁'19"	15 ^h Ω'35"	9 ^h R36	1 ^h Ω' 5	18 ^h Ω'38"	16 ^h R42	15 ^h R42	14 ^h ♁' 4	0 ^h ♁'47	18 ^h II'57"
S 2	20 44 58	10 ^h 14'33"	10 ^h Ω'43"	11 ^h Ω'41"	19 ^h Ω'36"	23 ^h 56"	15 ^h 48"	9 ^h ♁'32"	1 ^h 8	18 ^h 39"	16 ^h ♁'41"	15 ^h ♁'36"	14 ^h 1	0 ^h 54	19 ^h 1
S 3	20 48 55	11 ^h 12'03"	25 ^h 56"	10 ^h 54"	19 ^h 3	24 ^h 34"	16 ^h 1	9 ^h 29"	1 ^h 12	18 ^h 40"	16 ^h 40"	15 ^h 28"	13 ^h 58"	1 ^h 0	19 ^h 4
M 4	20 52 51	12 ^h 9'34"	10 ^h ♁'57"	10 ^h 8	18 ^h 28"	25 ^h 11"	16 ^h 13"	9 ^h 25"	1 ^h 16	18 ^h 41"	16 ^h 38"	15 ^h 19"	13 ^h 55"	1 ^h 7	19 ^h 8
T 5	20 56 48	13 ^h 7'06"	25 ^h 36"	9 ^h 24"	17 ^h 53"	25 ^h 49"	16 ^h 26"	9 ^h 21"	1 ^h 19	18 ^h 42"	16 ^h 37"	15 ^h 11"	13 ^h 51"	1 ^h 14	19 ^h 12
W 6	21 0 44	14 ^h 4'39"	9 ^h Ω'48"	8 ^h 43"	17 ^h 16"	26 ^h 27"	16 ^h 39"	9 ^h 17"	1 ^h 23	18 ^h 43"	16 ^h 36"	15 ^h 5	13 ^h 48"	1 ^h 20	19 ^h 16
T 7	21 4 41	15 ^h 2'13"	23 ^h 31"	8 ^h 5	16 ^h 39"	27 ^h 4	16 ^h 52"	9 ^h 13"	1 ^h 26	18 ^h 45"	16 ^h 34"	15 ^h 1	13 ^h 45"	1 ^h 27	19 ^h 19
F 8	21 8 37	15 ^h 59'48"	6 ^h ♁'46"	7 ^h 31"	16 ^h 2	27 ^h 42"	17 ^h 4	9 ^h 9	1 ^h 30	18 ^h 46"	16 ^h 33"	14 ^h 59"	13 ^h 42"	1 ^h 34	19 ^h 23
S 9	21 12 34	16 ^h 57'23"	19 ^h 34"	7 ^h 2	15 ^h 25"	28 ^h 20"	17 ^h 17"	9 ^h 5	1 ^h 34	18 ^h 47"	16 ^h 32"	14 ^h D58	13 ^h 39"	1 ^h 41	19 ^h 26
S 10	21 16 30	17 ^h 55'00"	2 ^h ♁' 2	6 ^h 39"	14 ^h 48"	28 ^h 58"	17 ^h 29"	9 ^h 1	1 ^h 37	18 ^h 48"	16 ^h 30"	14 ^h 59"	13 ^h 36"	1 ^h 47	19 ^h 30
M11	21 20 27	18 ^h 52'37"	16 ^h 12"	6 ^h 22"	14 ^h 11"	29 ^h 35"	17 ^h 42"	8 ^h 57"	1 ^h 41	18 ^h 50"	16 ^h 29"	14 ^h R59	13 ^h 32"	1 ^h 54	19 ^h 33
T 12	21 24 24	19 ^h 50'16"	26 ^h 12"	6 ^h 12"	13 ^h 35"	0 ^h Ω'13"	17 ^h 54"	8 ^h 53"	1 ^h 44	18 ^h 51"	16 ^h 28"	14 ^h 59"	13 ^h 29"	2 ^h 1	19 ^h 36
W13	21 28 20	20 ^h 47'56"	8 ^h Ω' 4	6 ^h D 9	13 ^h 0	0 ^h 51"	18 ^h 7	8 ^h 49"	1 ^h 48	18 ^h 52"	16 ^h 26"	14 ^h 56"	13 ^h 26"	2 ^h 7	19 ^h 39
T 14	21 32 17	21 ^h 45'36"	19 ^h 54"	6 ^h 12"	12 ^h 26"	1 ^h 30"	18 ^h 19"	8 ^h 44"	1 ^h 51	18 ^h 54"	16 ^h 25"	14 ^h 51"	13 ^h 23"	2 ^h 14	19 ^h 43
F 15	21 36 13	22 ^h 43'18"	1 ^h ♁'43"	6 ^h 24"	11 ^h 53"	2 ^h 8	18 ^h 31"	8 ^h 40"	1 ^h 55	18 ^h 55"	16 ^h 24"	14 ^h 44"	13 ^h 20"	2 ^h 21	19 ^h 46
S 16	21 40 10	23 ^h 41'01"	13 ^h 35"	6 ^h 42"	11 ^h 22										

SWISS EPHEMERIS for the year 1788

SEPTEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	22 43 15	9 ^h 8'15	19 ^m 16	26 ^Ω 26	7 ^Ω 52	13 [♋] 5	21 [♄] 50	7 [♄] R24	2 [♄] 52	19 [♄] 23	16 [♄] R 2	12 [♄] R43	12 [♄] 26	4 [♄] 14	20 [♄] II30								
T 2	22 47 11	10° 6'27	3 [♋] 55	28°16	7°59	13°45	22° 1	7 [♄] 19	2°55	19°24	16 [♄] 1	12 [♄] 32	12°22	4°21	20°32								
W 3	22 51 8	11° 4'41	18°11	0 [♄] 8	8° 8	14°24	22°12	7°15	2°58	19°26	15°59	12°23	12°19	4°28	20°34								
T 4	22 55 4	12° 2'56	1 [♄] 58	2° 1	8°18	15° 3	22°23	7°10	3° 1	19°28	15°58	12°17	12°16	4°35	20°36								
F 5	22 59 1	13° 1'13	15°16	3°55	8°32	15°43	22°34	7° 6	3° 4	19°30	15°57	12°13	12°13	4°41	20°37								
S 6	23 2 57	13°59'32	28° 8	5°50	8°47	16°22	22°45	7° 1	3° 7	19°32	15°56	12°11	12°10	4°48	20°39								
S 7	23 6 54	14°57'52	10 [♄] 37	7°45	9° 4	17° 2	22°55	6°57	3°10	19°34	15°55	12°11	12° 7	4°55	20°41								
M 8	23 10 50	15°56'14	22°48	9°40	9°23	17°41	23° 6	6°52	3°13	19°36	15°54	12°11	12° 3	5° 1	20°42								
T 9	23 14 47	16°54'37	4 [♄] 47	11°34	9°43	18°21	23°16	6°48	3°16	19°38	15°53	12°10	12° 0	5° 8	20°44								
W10	23 18 44	17°53'02	16°38	13°29	10° 6	19° 1	23°26	6°43	3°19	19°40	15°51	12° 7	11°57	5°15	20°45								
T 11	23 22 40	18°51'29	28°28	15°22	10°30	19°41	23°37	6°39	3°22	19°42	15°50	12° 2	11°54	5°21	20°47								
F 12	23 26 37	19°49'57	10 [♄] 19	17°15	10°56	20°20	23°47	6°34	3°25	19°44	15°49	11°54	11°51	5°28	20°48								
S 13	23 30 33	20°48'27	22°15	19° 8	11°24	21° 0	23°57	6°30	3°27	19°46	15°48	11°43	11°48	5°35	20°49								
S 14	23 34 30	21°46'59	4 [♄] 19	20°59	11°53	21°40	24° 7	6°26	3°30	19°48	15°47	11°30	11°44	5°41	20°50								
M15	23 38 26	22°45'32	16°32	22°50	12°24	22°20	24°17	6°21	3°33	19°50	15°46	11°17	11°41	5°48	20°51								
T 16	23 42 23	23°44'07	28°55	24°40	12°56	23° 0	24°26	6°17	3°36	19°52	15°45	11° 4	11°38	5°55	20°52								
W17	23 46 19	24°42'45	11 [♄] 29	26°29	13°29	23°41	24°36	6°13	3°38	19°54	15°44	10°52	11°35	6° 2	20°53								
T 18	23 50 16	25°41'24	24°23	28°17	14° 4	24°21	24°45	6° 9	3°41	19°56	15°43	10°42	11°32	6° 8	20°54								
F 19	23 54 13	26°40'06	7 [♄] 7	0 [♄] 4	14°41	25° 1	24°55	6° 4	3°43	19°58	15°42	10°35	11°28	6°15	20°55								
S 20	23 58 9	27°38'49	20°13	1°50	15°18	25°41	25° 4	6° 0	3°46	20° 0	15°41	10°32	11°25	6°22	20°56								
S 21	0 2 6	28°37'35	3 [♄] 32	3°35	15°57	26°22	25°13	5°56	3°48	20° 2	15°40	10°30	11°22	6°28	20°56								
M22	0 6 2	29°36'24	17° 4	5°19	16°37	27° 2	25°22	5°52	3°51	20° 4	15°40	10°D30	11°19	6°35	20°57								
T 23	0 9 59	0 [♄] 35'14	0 [♄] 51	7° 2	17°18	27°43	25°31	5°48	3°53	20° 6	15°39	10°R30	11°16	6°42	20°57								
W24	0 13 55	1°34'07	14°53	8°44	18° 0	28°23	25°40	5°44	3°56	20° 8	15°38	10°30	11°13	6°48	20°57								
T 25	0 17 52	2°33'03	29°11	10°26	18°43	29° 4	25°49	5°41	3°58	20°11	15°37	10°27	11° 9	6°55	20°58								
F 26	0 21 48	3°32'00	13 [♄] 43	12° 6	19°27	29°45	25°57	5°37	4° 0	20°13	15°36	10°22	11° 6	7° 2	20°58								
S 27	0 25 45	4°31'00	28°23	13°46	20°12	0 [♄] 25	26° 6	5°33	4° 3	20°15	15°35	10°14	11° 3	7° 9	20°58								
S 28	0 29 42	5°30'02	13 [♄] 6	15°24	20°58	1° 6	26°14	5°29	4° 5	20°17	15°35	10° 5	11° 0	7°15	20°R58								
M29	0 33 38	6°29'06	27°44	17° 2	21°45	1°47	26°22	5°26	4° 7	20°19	15°34	9°55	10°57	7°22	20°58								
T 30	0 37 35	7 [♄] 28'12	12 [♄] 9	18 [♄] 39	22 [♄] 33	2 [♄] 18	26 [♄] 30	5 [♄] 22	4 [♄] 9	20 [♄] 21	15 [♄] 33	9 [♄] 45	10 [♄] 53	7 [♄] 29	20 [♄] II58								

Delta T = 16.50 sec.

Greg. Calendar

OCTOBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	0 41 31	8 [♄] 27'20	26 [♄] 15	20 [♄] 15	23 [♄] 22	3 [♄] 9	26 [♄] 38	5°R19	4 [♄] 11	20 [♄] 24	15°R32	9°R37	10 [♄] 50	7 [♄] 35	20°R58								
T 2	0 45 28	9°26'31	9 [♄] 58	21°51	24°11	3°50	26°46	5 [♄] 15	4°13	20°26	15 [♄] 32	9 [♄] 31	10°47	7°42	20°II58								
F 3	0 49 24	10°25'43	23°15	23°25	25° 2	4°31	26°54	5°12	4°15	20°28	15°31	9°27	10°44	7°49	20°57								
S 4	0 53 21	11°24'57	6 [♄] 8	24°59	25°53	5°13	27° 1	5° 9	4°17	20°30	15°30	9°D26	10°41	7°55	20°57								
S 5	0 57 17	12°24'13	18°39	26°32	26°44	5°54	27° 8	5° 6	4°19	20°33	15°30	9°26	10°38	8° 2	20°56								
M 6	1 1 14	13°23'30	0 [♄] 35	28° 4	27°37	6°35	27°16	5° 3	4°21	20°35	15°29	9°27	10°34	8° 9	20°56								
T 7	1 5 11	14°22'50	12°53	29°36	28°30	7°17	27°23	5° 0	4°23	20°37	15°29	9°R28	10°31	8°16	20°55								
W 8	1 9 7	15°22'11	24°46	1 [♄] 7	29°24	7°58	27°30	4°57	4°24	20°39	15°28	9°27	10°28	8°22	20°54								
T 9	1 13 4	16°21'34	6 [♄] 37	2°37	0 [♄] 18	8°39	27°37	4°54	4°26	20°41	15°28	9°25	10°25	8°29	20°54								
F 10	1 17 0	17°20'59	18°30	4° 6	1°13	9°21	27°43	4°51	4°28	20°44	15°27	9°20	10°22	8°36	20°53								
S 11	1 20 57	18°20'26	0 [♄] 30	5°34	2° 9	10° 3	27°50	4°48	4°29	20°46	15°27	9°14	10°19	8°42	20°52								
S 12	1 24 53	19°19'54	12°40	7° 2	3° 5	10°44	27°56	4°46	4°31	20°48	15°26	9° 6	10°15	8°49	20°51								
M13	1 28 50	20°19'24	25° 2	8°29	4° 2	11°26	28° 2	4°43	4°32	20°50	15°26	8°57	10°12	8°56	20°50								
T 14	1 32 46	21°18'56	7 [♄] 39	9°55	4°59	12° 8	28° 8	4°41	4°34	20°53	15°25	8°48	10° 9	9° 2	20°48								
W15	1 36 43	22°18'30	20°29	11°21	5°57	12°50	28°14	4°39	4°35	20°55	15°25	8°39	10° 6	9° 9	20°47								
T 16	1 40 39	23°18'07	3 [♄] 33	12°46	6°55	13°32	28°20	4°36	4°37	20°57	15°25	8°33	10° 3	9°16	20°46								
F 17	1 44 36	24°17'45	16°50	14° 9	7°54	14°14	28°25	4°34	4°38	20°59	15°24	8°29	9°59	9°23	20°44								
S 18	1 48 33	25°17'25	0 [♄] 19	15°32	8°53	14°56	28°31	4°32	4°39	21° 2	15°24	8°27	9°56	9°29	20°43								
S 19	1 52 29	26°17'08	13°57	16°54	9°53	15°38	28°36	4°30	4°40	21° 4	15°24	8°D27	9°53	9°36	20°41								
M20	1 56 26	27°16'53	27°45	18°15	10°53	16°20	28°41	4°28	4°41	21° 6	15°24	8°28	9°50	9°43	20°40								
T 21	2 0 22	28°16'40	11 [♄] 41	19°35	11°53	17° 2	28°46	4°26	4°43	21° 8	15°23	8°29	9°47	9°49	20°38								
W22	2 4 19	29°16'30	25°44	20°54	12°54	17°44	28°51	4°25	4°44	21°10	15°23	8°R30	9°44	9°56	20°36								
T 23	2 8 15	0 [♄] 16'21	9 [♄] 54	22°12	13°56	18°27	28°55	4°23	4°45	21°13	15°23	8°30	9°40	10° 3	20°35								
F 24	2 12 12	1°16'15	24° 9	23°28	14°58	19° 9	29° 0	4°22	4°46	21°15	15°23	8°28	9°37	10° 9	20°33								
S 25	2 16 8	2°16'11	8 [♄] 26	24°43	16° 0	19°52	29° 4	4°20	4°46	21°17	15°23	8°24	9°34	10°16	20°31								
S 26	2 20 5	3°16'09	22°41	25°57	17° 2	20°34	29° 8	4°19	4°47	21°19	15°23	8°19	9°31	10°23	20°29								
M27	2 24 2	4°16'10	6 [♄] 51	27° 8	18° 5	21°17	29°12	4°18	4°48	21°22	15°23	8°14	9°28	10°30	20°27								
T 28	2 27 58	5°16'12	20°50	28°18	19° 9	21°59	29°15	4°17	4°49	21°24	15°23	8° 8	9°24	10°36	20°24								
W29	2 31 55	6°16'17	4 [♄] 35	29°26	20°12	22°42	29°19	4°16	4°49	21°26	15°D23	8° 4	9°21	10°43	20°22								
T 30	2 35 51	7°16'23	18° 2	0 [♄] 31	21°16	23°25	29°22	4°15	4°50	21°28	15°23	8° 1	9°18	10°50	20°20								
F 31	2 39 48	8 [♄] 16'31	1 [♄] 9	1 [♄] 34	22 [♄] 20	24 [♄] 8	29 [♄] 25	4 [♄] 14	4 [♄] 51	21 [♄] 30	15 [♄] 23	7 [♄] 59	9 [♄] 15	10 [♄] 56	20 [♄] II17								

Delta T = 16.50 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1788

NOVEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	2 43 44	9♍16'41	13♌57	2♌34	23♎25	24♍50	29♄28	4°R13	4♌51	21♌32	15♌23	7°D59	9♌12	11♌3	20°R15
S 2	2 47 41	10°16'53	26°27	3°31	24°30	25°33	29°31	4♌13	4°51	21°35	15°23	8♌0	9°9	11°10	20II13
M 3	2 51 37	11°17'06	8♌34	4°24	25°35	26°16	29°34	4°12	4°52	21°37	15°23	8°2	9°5	11°17	20°10
T 4	2 55 34	12°17'21	20°43	5°13	26°40	26°59	29°36	4°12	4°52	21°39	15°23	8°4	9°2	11°23	20°7
W 5	2 59 31	13°17'37	2♌37	5°58	27°46	27°43	29°38	4°12	4°52	21°41	15°23	8°5	8°59	11°30	20°5
T 6	3 3 27	14°17'55	14°28	6°37	28°52	28°26	29°40	4°12	4°53	21°43	15°23	8°R 6	8°56	11°37	20°2
F 7	3 7 24	15°18'14	26°22	7°11	29°58	29°9	29°42	4°D11	4°53	21°45	15°24	8°5	8°53	11°43	19°59
S 8	3 11 20	16°18'34	8♌22	7°39	1♌5	29°52	29°44	4°12	4°53	21°47	15°24	8°3	8°50	11°50	19°56
S 9	3 15 17	17°18'56	20°34	7°59	2°11	0♌36	29°45	4°12	4°R53	21°49	15°24	8°1	8°46	11°57	19°54
M10	3 19 13	18°19'20	3♌1	8°12	3°18	1°19	29°46	4°12	4°53	21°51	15°25	7°58	8°43	12°3	19°51
T 11	3 23 10	19°19'45	15°45	8°R16	4°25	2°2	29°47	4°12	4°53	21°53	15°25	7°55	8°40	12°10	19°48
W12	3 27 6	20°20'11	28°48	8°12	5°33	2°46	29°48	4°13	4°53	21°55	15°25	7°52	8°37	12°17	19°45
T 13	3 31 3	21°20'39	12♌10	7°57	6°40	3°29	29°49	4°13	4°53	21°58	15°26	7°50	8°34	12°24	19°41
F 14	3 35 0	22°21'08	25°50	7°33	7°48	4°13	29°49	4°14	4°52	22°0	15°26	7°49	8°30	12°30	19°38
S 15	3 38 56	23°21'39	9II45	6°58	8°56	4°57	29°49	4°15	4°52	22°1	15°27	7°D49	8°27	12°37	19°35
S 16	3 42 53	24°22'12	23°52	6°12	10°4	5°41	29°R49	4°16	4°52	22°3	15°27	7°49	8°24	12°44	19°32
M17	3 46 49	25°22'47	8♌6	5°17	11°13	6°24	29°49	4°17	4°51	22°5	15°28	7°50	8°21	12°50	19°29
T 18	3 50 46	26°23'23	22°24	4°12	12°22	7°8	29°49	4°18	4°51	22°7	15°28	7°51	8°18	12°57	19°25
W19	3 54 42	27°24'01	6♌42	3°0	13°30	7°52	29°48	4°19	4°51	22°9	15°29	7°52	8°15	13°4	19°22
T 20	3 58 39	28°24'40	20°57	1°42	14°39	8°36	29°47	4°20	4°50	22°11	15°29	7°52	8°11	13°11	19°19
F 21	4 2 35	29°25'21	5♎7	0°21	15°49	9°20	29°47	4°22	4°49	22°13	15°30	7°R52	8°8	13°17	19°15
S 22	4 6 32	0♌26'04	19°9	28♍59	16°58	10°4	29°45	4°23	4°49	22°15	15°31	7°52	8°5	13°24	19°12
S 23	4 10 29	1°26'48	3♌2	27°39	18°7	10°48	29°44	4°25	4°48	22°17	15°31	7°51	8°2	13°31	19°8
M24	4 14 25	2°27'34	16°44	26°23	19°17	11°32	29°42	4°27	4°47	22°19	15°32	7°51	7°59	13°37	19°5
T 25	4 18 22	3°28'22	0♍15	25°15	20°27	12°17	29°41	4°29	4°46	22°20	15°33	7°50	7°56	13°44	19°1
W26	4 22 18	4°29'11	13°33	24°16	21°37	13°1	29°39	4°30	4°46	22°22	15°33	7°50	7°52	13°51	18°58
T 27	4 26 15	5°30'01	26°37	23°27	22°47	13°45	29°37	4°32	4°45	22°24	15°34	7°50	7°49	13°58	18°54
F 28	4 30 11	6°30'53	9♌26	22°49	23°57	14°30	29°34	4°35	4°44	22°26	15°35	7°D50	7°46	14°4	18°50
S 29	4 34 8	7°31'46	22°2	22°23	25°8	15°14	29°32	4°37	4°43	22°27	15°36	7°R50	7°43	14°11	18°47
S 30	4 38 4	8♌32'39	4♌24	22♍8	26♌18	15♌59	29♄29	4♌39	4♌42	22♌29	15♌37	7♌50	7♌40	14♌18	18II43

Delta T = 16.50 sec.

Greg. Calendar

DECEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	4 42 1	9♌33'34	16♌34	22°D 4	27♌29	16♌43	29°R26	4♌42	4°R41	22♌31	15♌38	7°R49	7♌36	14♌24	18°R39
T 2	4 45 58	10°34'30	28°35	22♍11	28°40	17°28	29♄23	4°44	4♌39	22°32	15°39	7♌49	7°33	14°31	18II36
W 3	4 49 54	11°35'26	10♌29	22°27	29°51	18°13	29°20	4°47	4°38	22°34	15°39	7°49	7°30	14°38	18°32
T 4	4 53 51	12°36'24	22°20	22°52	1♍2	18°57	29°16	4°50	4°37	22°36	15°40	7°48	7°27	14°45	18°28
F 5	4 57 47	13°37'22	4♌13	23°25	2°13	19°42	29°12	4°52	4°36	22°37	15°41	7°48	7°24	14°51	18°25
S 6	5 1 44	14°38'20	16°11	24°5	3°24	20°27	29°9	4°55	4°34	22°39	15°42	7°D48	7°21	14°58	18°21
S 7	5 5 40	15°39'19	28°20	24°52	4°35	21°12	29°5	4°58	4°33	22°40	15°43	7°48	7°17	15°5	18°17
M 8	5 9 37	16°40'19	10♌44	25°44	5°47	21°57	29°0	5°1	4°31	22°42	15°44	7°49	7°14	15°11	18°13
T 9	5 13 33	17°41'20	23°28	26°41	6°58	22°42	28°56	5°5	4°30	22°43	15°45	7°49	7°11	15°18	18°10
W10	5 17 30	18°42'21	6♌34	27°42	8°10	23°27	28°51	5°8	4°28	22°45	15°47	7°50	7°8	15°25	18°6
T 11	5 21 27	19°43'22	20°4	28°46	9°22	24°12	28°47	5°11	4°27	22°46	15°48	7°51	7°5	15°32	18°2
F 12	5 25 23	20°44'24	3II58	29°54	10°34	24°57	28°42	5°15	4°25	22°48	15°49	7°R52	7°2	15°38	17°58
S 13	5 29 20	21°45'27	18°14	1♌5	11°46	25°42	28°37	5°18	4°23	22°49	15°50	7°52	6°58	15°45	17°54
S 14	5 33 16	22°46'31	2♌47	2°19	12°58	26°27	28°31	5°22	4°22	22°50	15°51	7°51	6°55	15°52	17°51
M15	5 37 13	23°47'35	17°31	3°34	14°10	27°12	28°26	5°26	4°20	22°52	15°52	7°49	6°52	15°58	17°47
T 16	5 41 9	24°48'40	2♌19	4°52	15°22	27°58	28°20	5°30	4°18	22°53	15°54	7°47	6°49	16°5	17°43
W17	5 45 6	25°49'45	17°3	6°11	16°34	28°43	28°15	5°34	4°16	22°54	15°55	7°45	6°46	16°12	17°40
T 18	5 49 3	26°50'51	1♎36	7°31	17°47	29°29	28°9	5°38	4°14	22°55	15°56	7°42	6°42	16°19	17°36
F 19	5 52 59	27°51'58	15°55	8°53	18°59	0♌14	28°3	5°42	4°12	22°57	15°57	7°41	6°39	16°25	17°32
S 20	5 56 56	28°53'06	29°56	10°16	20°12	0°59	27°57	5°46	4°10	22°58	15°59	7°D41	6°36	16°32	17°28
S 21	6 0 52	29°54'14	13♌39	11°40	21°24	1°45	27°50	5°50	4°8	22°59	16°0	7°41	6°33	16°39	17°25
M22	6 4 49	0♌55'23	27°4	13°5	22°37	2°31	27°44	5°55	4°6	23°0	16°1	7°43	6°30	16°45	17°21
T 23	6 8 45	1°56'33	10♍13	14°31	23°50	3°16	27°37	5°59	4°4	23°1	16°3	7°44	6°27	16°52	17°17
W24	6 12 42	2°57'43	23°7	15°57	25°3	4°2	27°31	6°3	4°2	23°2	16°4	7°46	6°23	16°59	17°14
T 25	6 16 38	3°58'54	5♌48	17°24	26°15	4°48	27°24	6°8	4°0	23°3	16°5	7°R46	6°20	17°6	17°10
F 26	6 20 35	5°0'05	18°18	18°52	27°28	5°33	27°17	6°13	3°58	23°4	16°7	7°46	6°17	17°12	17°7
S 27	6 24 32	6°1'16	0♌38	20°20	28°41	6°19	27°10	6°18	3°56	23°5	16°8	7°44	6°14	17°19	17°3
S 28	6 28 28	7°2'28	12°49	21°49	29°54	7°5	27°3	6°22	3°53	23°6	16°10	7°40	6°11	17°26	17°0
M29	6 32 25	8°3'39	24°52	23°18	1♌8	7°51	26°56	6°27	3°51	23°7	16°11	7°36	6°8	17°32	16°56
T 30	6 36 21	9°4'51	6♌49	24°48	2°21	8°37	26°48	6°32	3°49	23°8	16°13	7°30	6°4	17°39	16°53
W31	6 40 18	10♌6'02	18♌42	26♌18	3♌34	9♌23	26♄41	6♌37	3♌47	23♌9	16♌14	7♌23	6♌1	17♌46	16II49

Delta T = 16.50 sec.

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