

SWISS EPHEMERIS for the year 1786
heliocentric

JANUARY 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
S 1	6 43 10	10 ⁵⁰ 29	10 ⁵⁰ 50	1 ^{II} 19	24 ^{III} 52	23 ^{II} 26	17 ^V 52	6 [~] 59	18 ⁵⁰ 51	14 ⁵¹ 51	12 ³⁶ 36	29 ⁸ 0
M 2	6 47 6	11 ⁵¹ 40	11 ⁴⁹	7 ³⁶	26 ²⁷	23 ⁵⁶	17 ⁵⁸	7 ⁰	18 ⁵²	14 ⁵¹	12 ³⁶	29 ⁰
T 3	6 51 3	12 ⁵² 51	12 ⁴⁸	13 ⁵⁵	28 ³	24 ²⁵	18 ³	7 ²	18 ⁵²	14 ⁵¹	12 ³⁶	29 ¹
W 4	6 54 59	13 ⁵⁴ 02	13 ⁴⁸	20 ¹⁴	29 ³⁹	24 ⁵⁵	18 ⁹	7 ⁴	18 ⁵³	14 ⁵²	12 ³⁷	29 ²
T 5	6 58 56	14 ⁵⁵ 12	14 ⁴⁸	26 ³²	1 [~] 14	25 ²⁵	18 ¹⁴	7 ⁶	18 ⁵⁴	14 ⁵²	12 ³⁷	29 ³
F 6	7 2 52	15 ⁵⁶ 22	15 ⁴⁸	2 ⁵⁴ 48	2 ⁴⁹	25 ⁵⁴	18 ²⁰	7 ⁸	18 ⁵⁵	14 ⁵³	12 ³⁷	29 ⁴
S 7	7 6 49	16 ⁵⁷ 31	16 ⁴⁹	9 ⁰	4 ²⁵	26 ²⁴	18 ²⁵	7 ¹⁰	18 ⁵⁵	14 ⁵³	12 ³⁷	29 ⁵
S 8	7 10 45	17 ⁵⁸ 40	17 ⁵⁰	15 ⁶	6 ⁰	26 ⁵³	18 ³¹	7 ¹¹	18 ⁵⁶	14 ⁵³	12 ³⁸	29 ⁶
M 9	7 14 42	18 ⁵⁹ 48	18 ⁵²	21 ⁶	7 ³⁶	27 ²²	18 ³⁶	7 ¹³	18 ⁵⁷	14 ⁵⁴	12 ³⁸	29 ⁷
T 10	7 18 39	20 ⁰ 55	19 ⁵⁴	26 ⁵⁹	9 ¹¹	27 ⁵²	18 ⁴²	7 ¹⁵	18 ⁵⁸	14 ⁵⁴	12 ³⁸	29 ⁸
W 11	7 22 35	21 ² 02	20 ⁵⁶	2 ^Ω 44	10 ⁴⁶	28 ²¹	18 ⁴⁷	7 ¹⁷	18 ⁵⁸	14 ⁵⁴	12 ³⁸	29 ⁹
T 12	7 26 32	22 ³ 08	21 ⁵⁹	8 ¹⁹	12 ²²	28 ⁵⁰	18 ⁵³	7 ¹⁹	18 ⁵⁹	14 ⁵⁵	12 ³⁹	29 ¹⁰
F 13	7 30 28	23 ⁴ 14	23 ¹	13 ⁴⁶	13 ⁵⁷	29 ¹⁹	18 ⁵⁸	7 ²¹	19 ⁰	14 ⁵⁵	12 ³⁹	29 ¹¹
S 14	7 34 25	24 ⁵ 19	24 ⁴	19 ²	15 ³²	29 ⁴⁹	19 ⁴	7 ²³	19 ¹	14 ⁵⁵	12 ³⁹	29 ¹²
S 15	7 38 21	25 ⁶ 23	25 ⁷	24 ¹⁰	17 ⁷	0 ⁵¹⁸	19 ⁹	7 ²⁴	19 ¹	14 ⁵⁶	12 ³⁹	29 ¹³
M 16	7 42 18	26 ⁷ 27	26 ¹⁰	29 ⁷	18 ⁴²	0 ⁴⁷	19 ¹⁵	7 ²⁶	19 ²	14 ⁵⁶	12 ⁴⁰	29 ¹⁴
T 17	7 46 14	27 ⁸ 30	27 ¹³	3 ^{III} 55	20 ¹⁷	1 ¹⁶	19 ²⁰	7 ²⁸	19 ³	14 ⁵⁶	12 ⁴⁰	29 ¹⁵
W 18	7 50 11	28 ⁹ 33	28 ¹⁶	8 ³⁴	21 ⁵²	1 ⁴⁵	19 ²⁶	7 ³⁰	19 ⁴	14 ⁵⁷	12 ⁴⁰	29 ¹⁶
T 19	7 54 8	29 ¹⁰ 35	29 ¹⁸	13 ⁴	23 ²⁸	2 ¹⁴	19 ³¹	7 ³²	19 ⁴	14 ⁵⁷	12 ⁴⁰	29 ¹⁶
F 20	7 58 4	0 ^Ω 11'36	0 ^Ω 20	17 ²⁵	25 ³	2 ⁴³	19 ³⁷	7 ³⁴	19 ⁵	14 ⁵⁸	12 ⁴¹	29 ¹⁷
S 21	8 2 1	1 ¹² 37	1 ²²	21 ³⁸	26 ³⁸	3 ¹²	19 ⁴²	7 ³⁵	19 ⁶	14 ⁵⁸	12 ⁴¹	29 ¹⁸
S 22	8 5 57	2 ¹³ 37	2 ²³	25 ⁴³	28 ¹³	3 ⁴¹	19 ⁴⁸	7 ³⁷	19 ⁶	14 ⁵⁸	12 ⁴¹	29 ¹⁹
M 23	8 9 54	3 ¹⁴ 37	3 ²⁴	29 ⁴¹	29 ⁴⁸	4 ⁹	19 ⁵³	7 ³⁹	19 ⁷	14 ⁵⁹	12 ⁴¹	29 ²⁰
T 24	8 13 50	4 ¹⁵ 37	4 ²⁵	3 ⁵ 32	1 ³²²	4 ³⁸	19 ⁵⁹	7 ⁴¹	19 ⁸	14 ⁵⁹	12 ⁴²	29 ²¹
W 25	8 17 47	5 ¹⁶ 35	5 ²⁵	7 ¹⁶	2 ⁵⁷	5 ⁷	20 ⁴	7 ⁴³	19 ⁹	14 ⁵⁹	12 ⁴²	29 ²²
T 26	8 21 43	6 ¹⁷ 33	6 ²⁵	10 ⁵⁵	4 ³²	5 ³⁶	20 ¹⁰	7 ⁴⁵	19 ⁹	15 ⁰	12 ⁴²	29 ²³
F 27	8 25 40	7 ¹⁸ 31	7 ²⁴	14 ²⁷	6 ⁷	6 ⁴	20 ¹⁵	7 ⁴⁶	19 ¹⁰	15 ⁰	12 ⁴²	29 ²⁴
S 28	8 29 37	8 ¹⁹ 27	8 ²⁴	17 ⁵⁵	7 ⁴²	6 ³³	20 ²¹	7 ⁴⁸	19 ¹¹	15 ⁰	12 ⁴³	29 ²⁵
S 29	8 33 33	9 ²⁰ 23	9 ²³	21 ¹⁷	9 ¹⁷	7 ¹	20 ²⁶	7 ⁵⁰	19 ¹²	15 ¹	12 ⁴³	29 ²⁶
M 30	8 37 30	10 ²¹ 17	10 ²²	24 ³⁵	10 ⁵²	7 ³⁰	20 ³²	7 ⁵²	19 ¹²	15 ¹	12 ⁴³	29 ²⁷
T 31	8 41 26	11 ²² 11	11 ²⁰	27 ⁵⁴ 49	12 ³² 27	7 ⁵⁸ 58	20 ³⁷ 37	7 ⁵⁴	19 ¹³	15 ¹	12 ⁴³	29 ²⁸

Delta T = 16.48 sec. Greg. Calendar

FEBRUARY 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
W 1	8 45 23	12 ²³ 03	12 ¹⁹	0 ^{II} 59	14 ³ 2	8 ⁵²⁷	20 ⁴³	7 ⁵⁶	19 ¹⁴	15 ²	12 ⁴⁴	29 ²⁹
T 2	8 49 19	13 ²³ 54	13 ¹⁹	4 ⁶	15 ³⁶	8 ⁵⁵	20 ⁴⁸	7 ⁵⁸	19 ¹⁵	15 ²	12 ⁴⁴	29 ³⁰
F 3	8 53 16	14 ²⁴ 43	14 ¹⁸	7 ⁹	17 ¹¹	9 ²⁴	20 ⁵⁴	7 ⁵⁹	19 ¹⁵	15 ²	12 ⁴⁴	29 ³¹
S 4	8 57 12	15 ²⁵ 31	15 ¹⁸	10 ⁹	18 ⁴⁶	9 ⁵²	20 ⁵⁹	8 ¹	19 ¹⁶	15 ³	12 ⁴⁴	29 ³²
S 5	9 1 9	16 ²⁶ 18	16 ¹⁸	13 ⁷	20 ²¹	10 ²⁰	21 ⁵	8 ³	19 ¹⁷	15 ³	12 ⁴⁵	29 ³³
M 6	9 5 6	17 ²⁷ 02	17 ¹⁸	16 ²	21 ⁵⁶	10 ⁴⁹	21 ¹⁰	8 ⁵	19 ¹⁸	15 ⁴	12 ⁴⁵	29 ³³
T 7	9 9 2	18 ²⁷ 46	18 ¹⁹	18 ⁵⁵	23 ³¹	11 ¹⁷	21 ¹⁵	8 ⁷	19 ¹⁸	15 ⁴	12 ⁴⁵	29 ³⁴
W 8	9 12 59	19 ²⁸ 27	19 ²¹	21 ⁴⁷	25 ⁵	11 ⁴⁵	21 ²¹	8 ⁹	19 ¹⁹	15 ⁴	12 ⁴⁵	29 ³⁵
T 9	9 16 55	20 ²⁹ 07	20 ²²	24 ³⁷	26 ⁴⁰	12 ¹³	21 ²⁶	8 ¹⁰	19 ²⁰	15 ⁵	12 ⁴⁶	29 ³⁶
F 10	9 20 52	21 ²⁹ 46	21 ²⁴	27 ²⁵	28 ¹⁵	12 ⁴¹	21 ³²	8 ¹²	19 ²¹	15 ⁵	12 ⁴⁶	29 ³⁷
S 11	9 24 48	22 ³⁰ 23	22 ²⁶	0 [~] 12	29 ⁵⁰	13 ⁹	21 ³⁷	8 ¹⁴	19 ²¹	15 ⁵	12 ⁴⁶	29 ³⁸
S 12	9 28 45	23 ³⁰ 58	23 ²⁹	2 ⁵⁹	1 [~] 25	13 ³⁸	21 ⁴³	8 ¹⁶	19 ²²	15 ⁶	12 ⁴⁶	29 ³⁹
M 13	9 32 42	24 ³¹ 31	24 ³¹	5 ⁴⁴	3 ⁰	14 ⁶	21 ⁴⁸	8 ¹⁸	19 ²³	15 ⁶	12 ⁴⁷	29 ⁴⁰
T 14	9 36 38	25 ³² 03	25 ³³	8 ²⁹	4 ³⁴	14 ³⁴	21 ⁵⁴	8 ²⁰	19 ²⁴	15 ⁶	12 ⁴⁷	29 ⁴¹
W 15	9 40 35	26 ³² 34	26 ³⁶	11 ¹⁴	6 ⁹	15 ¹	21 ⁵⁹	8 ²²	19 ²⁴	15 ⁷	12 ⁴⁷	29 ⁴²
T 16	9 44 31	27 ³³ 03	27 ³⁸	13 ⁵⁹	7 ⁴⁴	15 ²⁹	22 ⁵	8 ²³	19 ²⁵	15 ⁷	12 ⁴⁷	29 ⁴³
F 17	9 48 28	28 ³³ 30	28 ⁴⁰	16 ⁴³	9 ¹⁹	15 ⁵⁷	22 ¹⁰	8 ²⁵	19 ²⁶	15 ⁷	12 ⁴⁸	29 ⁴⁴
S 18	9 52 24	29 ³³ 56	29 ⁴¹	19 ²⁸	10 ⁵⁴	16 ²⁵	22 ¹⁶	8 ²⁷	19 ²⁷	15 ⁸	12 ⁴⁸	29 ⁴⁵
S 19	9 56 21	0 ^{III} 34'21	0 ^{III} 43	22 ¹⁴	12 ²⁹	16 ⁵³	22 ²¹	8 ²⁹	19 ²⁷	15 ⁸	12 ⁴⁸	29 ⁴⁶
M 20	10 0 17	1 ³⁴ 45	1 ⁴⁴	25 ⁰	14 ⁴	17 ²¹	22 ²⁷	8 ³¹	19 ²⁸	15 ⁹	12 ⁴⁹	29 ⁴⁷
T 21	10 4 14	2 ³⁵ 07	2 ⁴⁴	27 ⁴⁷	15 ³⁹	17 ⁴⁹	22 ³²	8 ³³	19 ²⁹	15 ⁹	12 ⁴⁹	29 ⁴⁸
W 22	10 8 10	3 ³⁵ 27	3 ⁴⁵	0 ³ 36	17 ¹³	18 ¹⁶	22 ³⁸	8 ³⁴	19 ³⁰	15 ⁹	12 ⁴⁹	29 ⁴⁹
T 23	10 12 7	4 ³⁵ 46	4 ⁴⁴	3 ²⁵	18 ⁴⁸	18 ⁴⁴	22 ⁴³	8 ³⁶	19 ³⁰	15 ¹⁰	12 ⁴⁹	29 ⁵⁰
F 24	10 16 4	5 ³⁶ 04	5 ⁴⁴	6 ¹⁶	20 ²³	19 ¹²	22 ⁴⁹	8 ³⁸	19 ³¹	15 ¹⁰	12 ⁵⁰	29 ⁵¹
S 25	10 20 0	6 ³⁶ 20	6 ⁴³	9 ⁹	21 ⁵⁸	19 ³⁹	22 ⁵⁴	8 ⁴⁰	19 ³²	15 ¹⁰	12 ⁵⁰	29 ⁵¹
S 26	10 23 57	7 ³⁶ 35	7 ⁴²	12 ⁵	23 ³³	20 ⁷	23 ⁰	8 ⁴²	19 ³³	15 ¹¹	12 ⁵⁰	29 ⁵²
M 27	10 27 53	8 ³⁶ 48	8 ⁴⁰	15 ²	25 ⁸	20 ³⁵	23 ⁵	8 ⁴⁴	19 ³³	15 ¹¹	12 ⁵⁰	29 ⁵³
T 28	10 31 50	9 ³⁶ 59	9 ³⁸	18 ³ 2	26 ⁴³	21 ⁵²	23 ¹¹	8 ⁴⁶	19 ³⁴	15 ¹¹	12 ⁵¹	29 ⁵⁴

Delta T = 16.48 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1786
heliocentric

MARCH 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
W 1	10 35 46	10♎37°09	10♎36	21♄4	28♁18	21♄30	23♎16	8♁47	19♄35	15♁12	12♁51	29♄55
T 2	10 39 43	11°37'16	11°35	24°10	29°53	21°57	23°22	8°49	19°36	15°12	12°51	29°56
F 3	10 43 39	12°37'22	12°33	27°19	1♄28	22°25	23°27	8°51	19°36	15°12	12°51	29°57
S 4	10 47 36	13°37'25	13°31	0♁31	3° 3	22°52	23°33	8°53	19°37	15°13	12°52	29°58
S 5	10 51 33	14°37'27	14°30	3°47	4°39	23°20	23°38	8°55	19°38	15°13	12°52	29°59
M 6	10 55 29	15°37'26	15°29	7° 8	6°14	23°47	23°44	8°57	19°38	15°13	12°52	0II 0
T 7	10 59 26	16°37'23	16°29	10°33	7°49	24°14	23°49	8°58	19°39	15°14	12°52	0° 1
W 8	11 3 22	17°37'18	17°29	14° 3	9°24	24°42	23°55	9° 0	19°40	15°14	12°53	0° 2
T 9	11 7 19	18°37'11	18°29	17°38	10°59	25° 9	24° 0	9° 2	19°41	15°15	12°53	0° 3
F 10	11 11 15	19°37'02	19°30	21°18	12°34	25°36	24° 6	9° 4	19°41	15°15	12°53	0° 4
S 11	11 15 12	20°36'50	20°31	25° 5	14°10	26° 3	24°11	9° 6	19°42	15°15	12°53	0° 5
S 12	11 19 8	21°36'36	21°32	28°57	15°45	26°31	24°17	9° 8	19°43	15°16	12°54	0° 6
M13	11 23 5	22°36'20	22°33	2♄57	17°20	26°58	24°22	9°10	19°44	15°16	12°54	0° 7
T 14	11 27 2	23°36'01	23°34	7° 3	18°55	27°25	24°28	9°11	19°44	15°16	12°54	0° 8
W15	11 30 58	24°35'41	24°36	11°17	20°31	27°52	24°33	9°13	19°45	15°17	12°54	0° 9
T 16	11 34 55	25°35'19	25°37	15°38	22° 6	28°19	24°38	9°15	19°46	15°17	12°55	0°10
F 17	11 38 51	26°34'54	26°39	20° 8	23°41	28°47	24°44	9°17	19°47	15°17	12°55	0°10
S 18	11 42 48	27°34'28	27°40	24°46	25°17	29°14	24°49	9°19	19°47	15°18	12°55	0°11
S 19	11 46 44	28°34'00	28°41	29°32	26°52	29°41	24°55	9°21	19°48	15°18	12°55	0°12
M20	11 50 41	29°33'30	29°41	4♎28	28°27	0♁ 8	25° 0	9°23	19°49	15°18	12°56	0°13
T 21	11 54 37	0♁32'59	0♁41	9°33	0♎ 3	0°35	25° 6	9°24	19°50	15°19	12°56	0°14
W22	11 58 34	1°32'25	1°41	14°46	1°38	1° 2	25°11	9°26	19°50	15°19	12°56	0°15
T 23	12 2 31	2°31'50	2°41	20° 9	3°14	1°29	25°17	9°28	19°51	15°20	12°56	0°16
F 24	12 6 27	3°31'13	3°40	25°41	4°49	1°56	25°22	9°30	19°52	15°20	12°57	0°17
S 25	12 10 24	4°30'34	4°39	1♄21	6°25	2°23	25°28	9°32	19°53	15°20	12°57	0°18
S 26	12 14 20	5°29'54	5°37	7°10	8° 0	2°50	25°33	9°34	19°53	15°21	12°57	0°19
M27	12 18 17	6°29'11	6°35	13° 6	9°36	3°16	25°39	9°35	19°54	15°21	12°57	0°20
T 28	12 22 13	7°28'27	7°32	19° 9	11°12	3°43	25°44	9°37	19°55	15°21	12°58	0°21
W29	12 26 10	8°27'41	8°30	25°18	12°47	4°10	25°50	9°39	19°56	15°22	12°58	0°22
T 30	12 30 6	9°26'53	9°27	1II31	14°23	4°37	25°55	9°41	19°56	15°22	12°58	0°23
F 31	12 34 3	10♁26'03	10♁24	7II48	15♎59	5♁ 4	26♎ 1	9♁43	19♄57	15♁22	12♁58	0II24

Delta T = 16.48 sec.

Greg. Calendar

APRIL 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
S 1	12 37 59	11♁25'10	11♁21	14II 7	17♎34	5♁31	26♎ 6	9♁45	19♄58	15♁23	12♁59	0II25
S 2	12 41 56	12°24'16	12°19	20°26	19°10	5°57	26°12	9°47	19°59	15°23	12°59	0°26
M 3	12 45 53	13°23'19	13°16	26°44	20°46	6°24	26°17	9°48	19°59	15°23	12°59	0°27
T 4	12 49 49	14°22'20	14°14	2♄59	22°22	6°51	26°23	9°50	20° 0	15°24	12°59	0°28
W 5	12 53 46	15°21'19	15°13	9°11	23°57	7°18	26°28	9°52	20° 1	15°24	13° 0	0°29
T 6	12 57 42	16°20'16	16°11	15°18	25°33	7°44	26°34	9°54	20° 2	15°24	13° 0	0°30
F 7	13 1 39	17°19'10	17°11	21°18	27° 9	8°11	26°39	9°56	20° 2	15°25	13° 0	0°31
S 8	13 5 35	18°18'02	18°10	27°10	28°45	8°38	26°45	9°58	20° 3	15°25	13° 0	0°32
S 9	13 9 32	19°16'51	19°10	2♁54	0♄21	9° 4	26°50	9°59	20° 4	15°26	13° 1	0°32
M10	13 13 28	20°15'38	20°10	8°30	1°57	9°31	26°55	10° 1	20° 5	15°26	13° 1	0°33
T 11	13 17 25	21°14'23	21°10	13°56	3°33	9°57	27° 1	10° 3	20° 5	15°26	13° 1	0°34
W12	13 21 22	22°13'06	22°10	19°12	5° 9	10°24	27° 6	10° 5	20° 6	15°27	13° 1	0°35
T 13	13 25 18	23°11'47	23°11	24°19	6°45	10°51	27°12	10° 7	20° 7	15°27	13° 2	0°36
F 14	13 29 15	24°10'26	24°11	29°16	8°21	11°17	27°17	10° 9	20° 8	15°27	13° 2	0°37
S 15	13 33 11	25° 9'03	25°11	4♎ 4	9°57	11°44	27°23	10°11	20° 8	15°28	13° 2	0°38
S 16	13 37 8	26° 7'38	26°12	8°43	11°33	12°10	27°28	10°12	20° 9	15°28	13° 2	0°39
M17	13 41 4	27° 6'11	27°12	13°12	13° 9	12°37	27°34	10°14	20°10	15°28	13° 3	0°40
T 18	13 45 1	28° 4'43	28°11	17°33	14°46	13° 3	27°39	10°16	20°10	15°29	13° 3	0°41
W19	13 48 57	29° 3'13	29°11	21°46	16°22	13°30	27°45	10°18	20°11	15°29	13° 3	0°42
T 20	13 52 54	0♎ 1'41	0♎10	25°51	17°58	13°56	27°50	10°20	20°12	15°29	13° 3	0°43
F 21	13 56 51	1° 0'08	1° 9	29°48	19°34	14°23	27°56	10°22	20°13	15°30	13° 4	0°44
S 22	14 0 47	1°58'33	2° 7	3♁39	21°11	14°49	28° 1	10°24	20°13	15°30	13° 4	0°45
S 23	14 4 44	2°56'56	3° 5	7°23	22°47	15°16	28° 7	10°25	20°14	15°31	13° 4	0°46
M24	14 8 40	3°55'18	4° 3	11° 2	24°23	15°42	28°12	10°27	20°15	15°31	13° 4	0°47
T 25	14 12 37	4°53'38	5° 0	14°34	26° 0	16° 9	28°18	10°29	20°16	15°31	13° 5	0°48
W26	14 16 33	5°51'57	5°56	18° 1	27°36	16°35	28°23	10°31	20°16	15°32	13° 5	0°49
T 27	14 20 30	6°50'14	6°53	21°24	29°12	17° 1	28°29	10°33	20°17	15°32	13° 5	0°50
F 28	14 24 26	7°48'29	7°49	24°41	0II49	17°28	28°34	10°35	20°18	15°32	13° 5	0°51
S 29	14 28 23	8°46'43	8°45	27°55	2°25	17°54	28°40	10°36	20°19	15°33	13° 6	0°52
S 30	14 32 20	9♎44'55	9♎42	1♎ 5	4II 2	18♁21	28♎45	10♁38	20♄19	15♁33	13♁ 6	0II53

Delta T = 16.48 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1786
heliocentric

MAY 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
M 1	14 36 16	10♌43'06	10♌38	4♌11	5♀39	18♂47	28♃50	10♁40	20♁20	15♂33	13♁6	0♀54
T 2	14 40 13	11°41'14	11°35	7°15	7°15	19°13	28°56	10°42	20°21	15°34	13°6	0°55
W 3	14 44 9	12°39'20	12°32	10°15	8°52	19°40	29°1	10°44	20°22	15°34	13°7	0°56
T 4	14 48 6	13°37'25	13°29	13°12	10°28	20°6	29°7	10°46	20°22	15°34	13°7	0°57
F 5	14 52 2	14°35'27	14°27	16°8	12°5	20°32	29°12	10°48	20°23	15°35	13°7	0°57
S 6	14 55 59	15°33'28	15°25	19°1	13°42	20°59	29°18	10°49	20°24	15°35	13°7	0°58
S 7	14 59 55	16°31'26	16°23	21°52	15°19	21°25	29°23	10°51	20°25	15°36	13°8	0°59
M 8	15 3 52	17°29'23	17°22	24°42	16°55	21°51	29°29	10°53	20°25	15°36	13°8	1°0
T 9	15 7 49	18°27'18	18°21	27°30	18°32	22°18	29°34	10°55	20°26	15°36	13°8	1°1
W10	15 11 45	19°25'11	19°20	0♃18	20°9	22°44	29°40	10°57	20°27	15°37	13°8	1°2
T 11	15 15 42	20°23'03	20°19	3°4	21°46	23°10	29°45	10°59	20°28	15°37	13°9	1°3
F 12	15 19 38	21°20'52	21°19	5°49	23°23	23°36	29°51	11°1	20°28	15°37	13°9	1°4
S 13	15 23 35	22°18'41	22°18	8°34	25°0	24°3	29°56	11°2	20°29	15°38	13°9	1°5
S 14	15 27 31	23°16'28	23°18	11°19	26°37	24°29	0♃2	11°4	20°30	15°38	13°9	1°6
M15	15 31 28	24°14'14	24°17	14°4	28°14	24°55	0°7	11°6	20°31	15°38	13°10	1°7
T 16	15 35 24	25°11'58	25°16	16°48	29°51	25°21	0°13	11°8	20°31	15°39	13°10	1°8
W17	15 39 21	26°9'41	26°16	19°34	1♁28	25°48	0°18	11°10	20°32	15°39	13°10	1°9
T 18	15 43 18	27°7'23	27°14	22°19	3°5	26°14	0°23	11°12	20°33	15°39	13°10	1°10
F 19	15 47 14	28°5'04	28°13	25°5	4°42	26°40	0°29	11°14	20°34	15°40	13°11	1°11
S 20	15 51 11	29°2'44	29°11	27°53	6°19	27°6	0°34	11°15	20°34	15°40	13°11	1°12
S 21	15 55 7	0♃0'23	0♃9	0♃41	7°56	27°33	0°40	11°17	20°35	15°40	13°11	1°13
M22	15 59 4	0°58'00	1°6	3°31	9°33	27°59	0°45	11°19	20°36	15°41	13°11	1°14
T 23	16 3 0	1°55'37	2°3	6°22	11°10	28°25	0°51	11°21	20°37	15°41	13°12	1°15
W24	16 6 57	2°53'13	3°0	9°15	12°48	28°51	0°56	11°23	20°37	15°42	13°12	1°16
T 25	16 10 53	3°50'48	3°56	12°10	14°25	29°18	1°2	11°25	20°38	15°42	13°12	1°17
F 26	16 14 50	4°48'22	4°52	15°7	16°2	29°44	1°7	11°27	20°39	15°42	13°12	1°18
S 27	16 18 47	5°45'55	5°47	18°7	17°39	0♄10	1°13	11°28	20°40	15°43	13°13	1°19
S 28	16 22 43	6°43'27	6°43	21°10	19°17	0°36	1°18	11°30	20°40	15°43	13°13	1°20
M29	16 26 40	7°40'59	7°38	24°16	20°54	1°2	1°24	11°32	20°41	15°43	13°13	1°21
T 30	16 30 36	8°38'29	8°34	27°25	22°31	1°29	1°29	11°34	20°42	15°44	13°13	1°22
W31	16 34 33	9♃35'58	9♃30	0♃37	24♁9	1♄55	1♃35	11♁36	20♁43	15♂44	13♁14	1♀23

Delta T = 16.48 sec. Greg. Calendar

JUNE 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
T 1	16 38 29	10♌33'25	10♌26	3♁54	25♁46	2♄21	1♃40	11♁38	20♁43	15♂44	13♁14	1♀24
F 2	16 42 26	11°30'51	11°23	7°14	27°24	2°47	1°45	11°40	20°44	15°45	13°14	1°25
S 3	16 46 23	12°28'17	12°19	10°39	29°1	3°13	1°51	11°41	20°45	15°45	13°14	1°26
S 4	16 50 19	13°25'40	13°17	14°9	0♄38	3°40	1°56	11°43	20°46	15°45	13°15	1°26
M 5	16 54 16	14°23'03	14°14	17°44	2°16	4°6	2°2	11°45	20°46	15°46	13°15	1°27
T 6	16 58 12	15°20'25	15°12	21°25	3°53	4°32	2°7	11°47	20°47	15°46	13°15	1°28
W 7	17 2 9	16°17'46	16°10	25°12	5°31	4°58	2°13	11°49	20°48	15°47	13°15	1°29
T 8	17 6 5	17°15'05	17°9	29°5	7°8	5°25	2°18	11°51	20°49	15°47	13°16	1°30
F 9	17 10 2	18°12'24	18°8	3♃4	8°46	5°51	2°24	11°52	20°49	15°47	13°16	1°31
S 10	17 13 58	19°9'42	19°6	7°11	10°23	6°17	2°29	11°54	20°50	15°48	13°16	1°32
S 11	17 17 55	20°7'00	20°5	11°25	12°1	6°43	2°35	11°56	20°51	15°48	13°16	1°33
M12	17 21 52	21°4'16	21°4	15°46	13°39	7°9	2°40	11°58	20°52	15°48	13°17	1°34
T 13	17 25 48	22°1'32	22°3	20°16	15°16	7°36	2°46	12°0	20°52	15°49	13°17	1°35
W14	17 29 45	22°58'48	23°2	24°55	16°54	8°2	2°51	12°2	20°53	15°49	13°17	1°36
T 15	17 33 41	23°56'03	24°1	29°41	18°31	8°28	2°56	12°4	20°54	15°49	13°17	1°37
F 16	17 37 38	24°53'18	25°0	4♃37	20°9	8°54	3°2	12°5	20°55	15°50	13°18	1°38
S 17	17 41 34	25°50'32	25°58	9°42	21°46	9°21	3°7	12°7	20°55	15°50	13°18	1°39
S 18	17 45 31	26°47'46	26°56	14°56	23°24	9°47	3°13	12°9	20°56	15°50	13°18	1°40
M19	17 49 27	27°45'00	27°53	20°19	25°1	10°13	3°18	12°11	20°57	15°51	13°18	1°41
T 20	17 53 24	28°42'14	28°50	25°51	26°39	10°39	3°24	12°13	20°57	15°51	13°19	1°42
W21	17 57 21	29°39'28	29°47	1♃32	28°16	11°6	3°29	12°15	20°58	15°51	13°19	1°43
T 22	18 1 17	0♃36'42	0♃43	7°21	29°54	11°32	3°35	12°17	20°59	15°52	13°19	1°44
F 23	18 5 14	1°33'55	1°39	13°17	1♄32	11°58	3°40	12°18	21°0	15°52	13°19	1°45
S 24	18 9 10	2°31'09	2°35	19°20	3°9	12°25	3°46	12°20	21°0	15°53	13°20	1°46
S 25	18 13 7	3°28'23	3°30	25°29	4°47	12°51	3°51	12°22	21°1	15°53	13°20	1°47
M26	18 17 3	4°25'37	4°26	1♀43	6°24	13°17	3°57	12°24	21°2	15°53	13°20	1°48
T 27	18 21 0	5°22'50	5°21	8°0	8°2	13°43	4°2	12°26	21°3	15°54	13°20	1°49
W28	18 24 56	6°20'04	6°16	14°18	9°39	14°10	4°7	12°28	21°3	15°54	13°21	1°50
T 29	18 28 53	7°17'17	7°12	20°37	11°16	14°36	4°13	12°30	21°4	15°54	13°21	1°51
F 30	18 32 50	8♃14'29	8♃8	26♀56	12♄54	15♄2	4♃18	12♁31	21♁5	15♂55	13♁21	1♀52

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SWISS EPHEMERIS for the year 1786
heliocentric

JULY 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
S 1	18 36 46	9♁11'42	9♁ 4	3♁11	14♁31	15♁29	4♁24	12♁33	21♁ 6	15♁55	13♁21	1♁53
S 2	18 40 43	10° 8'54	10° 0	9°23	16° 9	15°55	4°29	12°35	21° 6	15°55	13°22	1°54
M 3	18 44 39	11° 6'06	10°57	15°29	17°46	16°22	4°35	12°37	21° 7	15°56	13°22	1°55
T 4	18 48 36	12° 3'17	11°54	21°29	19°23	16°48	4°40	12°39	21° 8	15°56	13°22	1°56
W 5	18 52 32	13° 0'29	12°52	27°21	21° 1	17°14	4°46	12°41	21° 9	15°56	13°22	1°57
T 6	18 56 29	13°57'40	13°50	3♁ 5	22°38	17°41	4°51	12°43	21° 9	15°57	13°23	1°58
F 7	19 0 25	14°54'52	14°48	8°40	24°15	18° 7	4°57	12°44	21°10	15°57	13°23	1°59
S 8	19 4 22	15°52'03	15°46	14° 6	25°52	18°34	5° 2	12°46	21°11	15°58	13°23	2° 0
S 9	19 8 19	16°49'15	16°45	19°22	27°30	19° 0	5° 7	12°48	21°12	15°58	13°23	2° 1
M10	19 12 15	17°46'27	17°44	24°29	29° 7	19°26	5°13	12°50	21°12	15°58	13°24	2° 2
T 11	19 16 12	18°43'38	18°43	29°25	0♁44	19°53	5°18	12°52	21°13	15°59	13°24	2° 3
W12	19 20 8	19°40'51	19°42	4♁13	2°21	20°19	5°24	12°54	21°14	15°59	13°24	2° 4
T 13	19 24 5	20°38'03	20°41	8°51	3°58	20°46	5°29	12°56	21°15	15°59	13°24	2° 5
F 14	19 28 1	21°35'16	21°40	13°20	5°35	21°12	5°35	12°57	21°15	16° 0	13°25	2° 6
S 15	19 31 58	22°32'29	22°38	17°41	7°12	21°39	5°40	12°59	21°16	16° 0	13°25	2° 7
S 16	19 35 54	23°29'43	23°37	21°54	8°49	22° 5	5°46	13° 1	21°17	16° 0	13°25	2° 7
M17	19 39 51	24°26'58	24°35	25°58	10°26	22°32	5°51	13° 3	21°18	16° 1	13°25	2° 8
T 18	19 43 48	25°24'14	25°33	29°56	12° 3	22°58	5°56	13° 5	21°18	16° 1	13°26	2° 9
W19	19 47 44	26°21'30	26°30	3♁46	13°39	23°25	6° 2	13° 7	21°19	16° 1	13°26	2°10
T 20	19 51 41	27°18'48	27°27	7°30	15°16	23°52	6° 7	13° 9	21°20	16° 2	13°26	2°11
F 21	19 55 37	28°16'06	28°23	11° 8	16°53	24°18	6°13	13°10	21°21	16° 2	13°26	2°12
S 22	19 59 34	29°13'25	29°19	14°41	18°30	24°45	6°18	13°12	21°21	16° 3	13°27	2°13
S 23	20 3 30	0♁10'46	0♁15	18° 8	20° 6	25°11	6°24	13°14	21°22	16° 3	13°27	2°14
M24	20 7 27	1° 8'07	1°11	21°30	21°43	25°38	6°29	13°16	21°23	16° 3	13°27	2°15
T 25	20 11 24	2° 5'29	2° 6	24°48	23°19	26° 5	6°35	13°18	21°24	16° 4	13°27	2°16
W26	20 15 20	3° 2'51	3° 2	28° 1	24°56	26°31	6°40	13°20	21°24	16° 4	13°28	2°17
T 27	20 19 17	4° 0'14	3°57	1♁11	26°32	26°58	6°46	13°22	21°25	16° 4	13°28	2°18
F 28	20 23 13	4°57'38	4°53	4°17	28° 9	27°25	6°51	13°23	21°26	16° 5	13°28	2°19
S 29	20 27 10	5°55'03	5°49	7°20	29°45	27°52	6°56	13°25	21°27	16° 5	13°28	2°20
S 30	20 31 6	6°52'28	6°45	10°21	1♁22	28°18	7° 2	13°27	21°27	16° 5	13°29	2°21
MB1	20 35 3	7♁49'54	7♁42	13♁18	2♁58	28♁45	7♁ 7	13♁29	21♁28	16♁ 6	13♁29	2♁22

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Greg. Calendar

AUGUST 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
T 1	20 38 59	8♁47'21	8♁38	16♁13	4♁34	29♁12	7♁13	13♁31	21♁29	16♁ 6	13♁29	2♁23
W 2	20 42 56	9°44'48	9°36	19° 6	6°10	29°39	7°18	13°33	21°30	16° 6	13°29	2°24
T 3	20 46 53	10°42'17	10°33	21°58	7°46	0♁ 5	7°24	13°35	21°30	16° 7	13°30	2°25
F 4	20 50 49	11°39'46	11°31	24°47	9°22	0°32	7°29	13°37	21°31	16° 7	13°30	2°26
S 5	20 54 46	12°37'16	12°30	27°36	10°58	0°59	7°35	13°38	21°32	16° 8	13°30	2°27
S 6	20 58 42	13°34'46	13°28	0♁23	12°34	1°26	7°40	13°40	21°33	16° 8	13°30	2°28
M 7	21 2 39	14°32'18	14°27	3° 9	14°10	1°53	7°45	13°42	21°33	16° 8	13°31	2°29
T 8	21 6 35	15°29'51	15°26	5°55	15°46	2°20	7°51	13°44	21°34	16° 9	13°31	2°30
W 9	21 10 32	16°27'24	16°26	8°40	17°22	2°47	7°56	13°46	21°35	16° 9	13°31	2°31
T 10	21 14 28	17°24'59	17°25	11°24	18°58	3°14	8° 2	13°48	21°36	16° 9	13°31	2°32
F 11	21 18 25	18°22'35	18°25	14° 9	20°34	3°41	8° 7	13°50	21°36	16°10	13°32	2°33
S 12	21 22 22	19°20'12	19°24	16°54	22°10	4° 8	8°13	13°51	21°37	16°10	13°32	2°34
S 13	21 26 18	20°17'50	20°23	19°39	23°45	4°35	8°18	13°53	21°38	16°10	13°32	2°35
M14	21 30 15	21°15'30	21°22	22°24	25°21	5° 2	8°23	13°55	21°39	16°11	13°32	2°36
T 15	21 34 11	22°13'12	22°21	25°11	26°57	5°29	8°29	13°57	21°39	16°11	13°33	2°37
W16	21 38 8	23°10'55	23°19	27°58	28°32	5°56	8°34	13°59	21°40	16°11	13°33	2°38
T 17	21 42 4	24° 8'40	24°17	0♁46	0♁ 8	6°23	8°40	14° 1	21°41	16°12	13°33	2°39
F 18	21 46 1	25° 6'27	25°15	3°36	1°43	6°50	8°45	14° 3	21°42	16°12	13°33	2°40
S 19	21 49 57	26° 4'16	26°12	6°27	3°19	7°18	8°51	14° 4	21°42	16°12	13°34	2°41
S 20	21 53 54	27° 2'06	27° 8	9°21	4°54	7°45	8°56	14° 6	21°43	16°13	13°34	2°42
M21	21 57 51	27°59'58	28° 5	12°16	6°29	8°12	9° 2	14° 8	21°44	16°13	13°34	2°43
T 22	22 1 47	28°57'52	29° 1	15°13	8° 5	8°39	9° 7	14°10	21°45	16°14	13°34	2°44
W23	22 5 44	29°55'47	29°57	18°13	9°40	9° 7	9°12	14°12	21°45	16°14	13°35	2°45
T 24	22 9 40	0♁53'44	0♁53	21°16	11°15	9°34	9°18	14°14	21°46	16°14	13°35	2°46
F 25	22 13 37	1°51'42	1°50	24°21	12°51	10° 1	9°23	14°16	21°47	16°15	13°35	2°47
S 26	22 17 33	2°49'41	2°46	27°31	14°26	10°29	9°29	14°17	21°48	16°15	13°35	2°48
S 27	22 21 30	3°47'43	3°42	0♁43	16° 1	10°56	9°34	14°19	21°48	16°15	13°36	2°49
M28	22 25 26	4°45'45	4°39	4° 0	17°36	11°23	9°40	14°21	21°49	16°16	13°36	2°50
T 29	22 29 23	5°43'49	5°36	7°20	19°11	11°51	9°45	14°23	21°50	16°16	13°36	2°51
W30	22 33 19	6°41'55	6°33	10°46	20°46	12°18	9°50	14°25	21°51	16°16	13°36	2°52
T 31	22 37 16	7♁40'02	7♁31	14♁16	22♁21	12♁46	9♁56	14♁27	21♁51	16♁17	13♁37	2♁53

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SWISS EPHEMERIS for the year 1786
heliocentric

SEPTEMBER 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♁
F 1	22 41 13	8 ^h 38'11"	8 ^h 29'	17 [°] 51'	23 [°] 57'	13 [°] 13'	10 [°] 8'	14 [°] 29'	21 [°] 52'	16 [°] 17'	13 [°] 37'	2 ^h 11'54"
S 2	22 45 9	9 [°] 36'21"	9 [°] 27'	21 [°] 32'	25 [°] 32'	13 [°] 41'	10 [°] 7'	14 [°] 30'	21 [°] 53'	16 [°] 17'	13 [°] 37'	2 [°] 55'
S 3	22 49 6	10 [°] 34'32"	10 [°] 26'	25 [°] 19'	27 [°] 7'	14 [°] 8'	10 [°] 12'	14 [°] 32'	21 [°] 54'	16 [°] 18'	13 [°] 37'	2 [°] 56'
M 4	22 53 2	11 [°] 32'45"	11 [°] 26'	29 [°] 12'	28 [°] 42'	14 [°] 36'	10 [°] 18'	14 [°] 34'	21 [°] 54'	16 [°] 18'	13 [°] 38'	2 [°] 57'
T 5	22 56 59	12 [°] 31'00"	12 [°] 25'	3 ^h 12'	0 ^h 17'	15 [°] 4'	10 [°] 23'	14 [°] 36'	21 [°] 55'	16 [°] 19'	13 [°] 38'	2 [°] 58'
W 6	23 0 55	13 [°] 29'16"	13 [°] 25'	7 [°] 19'	1 [°] 51'	15 [°] 31'	10 [°] 28'	14 [°] 38'	21 [°] 56'	16 [°] 19'	13 [°] 38'	2 [°] 59'
T 7	23 4 52	14 [°] 27'34"	14 [°] 25'	11 [°] 33'	3 [°] 26'	15 [°] 59'	10 [°] 34'	14 [°] 40'	21 [°] 56'	16 [°] 19'	13 [°] 38'	3 [°] 0'
F 8	23 8 48	15 [°] 25'53"	15 [°] 25'	15 [°] 55'	5 [°] 1'	16 [°] 27'	10 [°] 39'	14 [°] 42'	21 [°] 57'	16 [°] 20'	13 [°] 39'	3 [°] 1'
S 9	23 12 45	16 [°] 24'14"	16 [°] 26'	20 [°] 25'	6 [°] 36'	16 [°] 55'	10 [°] 45'	14 [°] 43'	21 [°] 58'	16 [°] 20'	13 [°] 39'	3 [°] 2'
S 10	23 16 42	17 [°] 22'37"	17 [°] 26'	25 [°] 3'	8 [°] 11'	17 [°] 22'	10 [°] 50'	14 [°] 45'	21 [°] 59'	16 [°] 20'	13 [°] 39'	3 [°] 3'
M 11	23 20 38	18 [°] 21'02"	18 [°] 26'	29 [°] 50'	9 [°] 46'	17 [°] 50'	10 [°] 56'	14 [°] 47'	21 [°] 59'	16 [°] 21'	13 [°] 39'	3 [°] 4'
T 12	23 24 35	19 [°] 19'30"	19 [°] 26'	4 ^h 47'	11 [°] 21'	18 [°] 18'	11 [°] 1'	14 [°] 49'	22 [°] 0'	16 [°] 21'	13 [°] 40'	3 [°] 5'
W 13	23 28 31	20 [°] 17'59"	20 [°] 25'	9 [°] 52'	12 [°] 56'	18 [°] 46'	11 [°] 6'	14 [°] 51'	22 [°] 1'	16 [°] 21'	13 [°] 40'	3 [°] 6'
T 14	23 32 28	21 [°] 16'31"	21 [°] 25'	15 [°] 6'	14 [°] 31'	19 [°] 14'	11 [°] 12'	14 [°] 53'	22 [°] 2'	16 [°] 22'	13 [°] 40'	3 [°] 7'
F 15	23 36 24	22 [°] 15'05"	22 [°] 24'	20 [°] 29'	16 [°] 5'	19 [°] 42'	11 [°] 17'	14 [°] 55'	22 [°] 2'	16 [°] 22'	13 [°] 40'	3 [°] 8'
S 16	23 40 21	23 [°] 13'41"	23 [°] 22'	26 [°] 2'	17 [°] 40'	20 [°] 10'	11 [°] 23'	14 [°] 57'	22 [°] 3'	16 [°] 22'	13 [°] 41'	3 [°] 9'
S 17	23 44 17	24 [°] 12'19"	24 [°] 20'	1 ^h 8'43"	19 [°] 15'	20 [°] 38'	11 [°] 28'	14 [°] 58'	22 [°] 4'	16 [°] 23'	13 [°] 41'	3 [°] 10'
M 18	23 48 14	25 [°] 11'00"	25 [°] 18'	7 [°] 32'	20 [°] 50'	21 [°] 6'	11 [°] 34'	15 [°] 0'	22 [°] 5'	16 [°] 23'	13 [°] 41'	3 [°] 11'
T 19	23 52 11	26 [°] 9'43"	26 [°] 15'	13 [°] 28'	22 [°] 25'	21 [°] 34'	11 [°] 39'	15 [°] 2'	22 [°] 5'	16 [°] 23'	13 [°] 41'	3 [°] 12'
W 20	23 56 7	27 [°] 8'27"	27 [°] 13'	19 [°] 32'	24 [°] 0'	22 [°] 2'	11 [°] 44'	15 [°] 4'	22 [°] 6'	16 [°] 24'	13 [°] 42'	3 [°] 13'
T 21	0 0 4	28 [°] 7'14"	28 [°] 10'	25 [°] 41'	25 [°] 34'	22 [°] 30'	11 [°] 50'	15 [°] 6'	22 [°] 7'	16 [°] 24'	13 [°] 42'	3 [°] 14'
F 22	0 4 0	29 [°] 6'03"	29 [°] 7'	1 ^h 11'54"	27 [°] 9'	22 [°] 58'	11 [°] 55'	15 [°] 8'	22 [°] 8'	16 [°] 25'	13 [°] 42'	3 [°] 15'
S 23	0 7 57	0 ^h 4'54"	0 ^h 4'	8 [°] 11'	28 [°] 44'	23 [°] 27'	12 [°] 1'	15 [°] 10'	22 [°] 8'	16 [°] 25'	13 [°] 42'	3 [°] 16'
S 24	0 11 53	1 [°] 3'47"	1 [°] 1'	14 [°] 30'	0 ^h 19'	23 [°] 55'	12 [°] 6'	15 [°] 11'	22 [°] 9'	16 [°] 25'	13 [°] 43'	3 [°] 17'
M 25	0 15 50	2 [°] 2'42"	1 [°] 58'	20 [°] 49'	1 [°] 54'	24 [°] 23'	12 [°] 12'	15 [°] 13'	22 [°] 10'	16 [°] 26'	13 [°] 43'	3 [°] 18'
T 26	0 19 46	3 [°] 1'39"	2 [°] 56'	27 [°] 7'	3 [°] 29'	24 [°] 52'	12 [°] 17'	15 [°] 15'	22 [°] 11'	16 [°] 26'	13 [°] 43'	3 [°] 19'
W 27	0 23 43	4 [°] 0'38"	3 [°] 53'	3 ^h 23'	5 [°] 3'	25 [°] 20'	12 [°] 22'	15 [°] 17'	22 [°] 11'	16 [°] 26'	13 [°] 43'	3 [°] 20'
T 28	0 27 40	4 [°] 59'39"	4 [°] 52'	9 [°] 34'	6 [°] 38'	25 [°] 48'	12 [°] 28'	15 [°] 19'	22 [°] 12'	16 [°] 27'	13 [°] 44'	3 [°] 21'
F 29	0 31 36	5 [°] 58'41"	5 [°] 50'	15 [°] 40'	8 [°] 13'	26 [°] 17'	12 [°] 33'	15 [°] 21'	22 [°] 13'	16 [°] 27'	13 [°] 44'	3 [°] 22'
S 30	0 35 33	6 ^h 57'45"	6 ^h 49'	21 [°] 40'	9 ^h 48'	26 [°] 45'	12 ^h 39'	15 [°] 23'	22 [°] 14'	16 [°] 27'	13 [°] 44'	3 ^h 11'23"

Delta T = 16.48 sec. Greg. Calendar

OCTOBER 1786

00:00 UT

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

SWISS EPHEMERIS for the year 1786
heliocentric

NOVEMBER 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
W 1	2 41 42	8♃45'44	8♃38	27♁41	0♃32	12♁18	15♃32	16♁22	22♃38	16♁39	13♁52	3♁55
T 2	2 45 39	9°45'53	9°39	0♃28	2° 8	12°48	15°37	16°24	22°38	16°39	13°52	3°56
F 3	2 49 35	10°46'04	10°40	3°14	3°43	13°18	15°43	16°26	22°39	16°39	13°53	3°57
S 4	2 53 32	11°46'16	11°42	6° 0	5°19	13°48	15°48	16°28	22°40	16°40	13°53	3°58
S 5	2 57 29	12°46'29	12°44	8°45	6°54	14°18	15°54	16°30	22°41	16°40	13°53	3°59
M 6	3 1 25	13°46'45	13°47	11°30	8°30	14°48	15°59	16°32	22°41	16°40	13°53	4° 0
T 7	3 5 22	14°47'02	14°49	14°14	10° 5	15°19	16° 4	16°33	22°42	16°41	13°54	4° 1
W 8	3 9 18	15°47'21	15°51	16°59	11°41	15°49	16°10	16°35	22°43	16°41	13°54	4° 2
T 9	3 13 15	16°47'42	16°53	19°44	13°17	16°19	16°15	16°37	22°44	16°42	13°54	4° 3
F 10	3 17 11	17°48'04	17°55	22°30	14°52	16°49	16°21	16°39	22°44	16°42	13°54	4° 4
S 11	3 21 8	18°48'29	18°57	25°16	16°28	17°20	16°26	16°41	22°45	16°42	13°55	4° 5
S 12	3 25 5	19°48'56	19°58	28° 3	18° 4	17°50	16°31	16°43	22°46	16°43	13°55	4° 6
M13	3 29 1	20°49'24	20°58	0♃52	19°39	18°20	16°37	16°45	22°47	16°43	13°55	4° 7
T 14	3 32 58	21°49'54	21°59	3°42	21°15	18°51	16°42	16°47	22°47	16°43	13°55	4° 8
W15	3 36 54	22°50'26	22°59	6°33	22°51	19°21	16°48	16°48	22°48	16°44	13°56	4° 9
T 16	3 40 51	23°51'00	23°58	9°26	24°27	19°52	16°53	16°50	22°49	16°44	13°56	4°10
F 17	3 44 47	24°51'35	24°58	12°21	26° 3	20°22	16°58	16°52	22°50	16°44	13°56	4°11
S 18	3 48 44	25°52'13	25°57	15°19	27°39	20°53	17° 4	16°54	22°50	16°45	13°56	4°12
S 19	3 52 40	26°52'51	26°56	18°19	29°15	21°24	17° 9	16°56	22°51	16°45	13°57	4°13
M20	3 56 37	27°53'32	27°55	21°22	0♃50	21°55	17°15	16°58	22°52	16°45	13°57	4°14
T 21	4 0 33	28°54'14	28°54	24°27	2°26	22°25	17°20	17° 0	22°53	16°46	13°57	4°15
W22	4 4 30	29°54'57	29°53	27°37	4° 2	22°56	17°25	17° 1	22°53	16°46	13°57	4°16
T 23	4 8 27	0♁55'42	0♁52	0♃49	5°38	23°27	17°31	17° 3	22°54	16°47	13°58	4°17
F 24	4 12 23	1°56'27	1°51	4° 6	7°14	23°58	17°36	17° 5	22°55	16°47	13°58	4°18
S 25	4 16 20	2°57'14	2°51	7°27	8°51	24°29	17°42	17° 7	22°56	16°47	13°58	4°19
S 26	4 20 16	3°58'02	3°50	10°52	10°27	25° 0	17°47	17° 9	22°56	16°48	13°58	4°20
M27	4 24 13	4°58'51	4°50	14°23	12° 3	25°32	17°52	17°11	22°57	16°48	13°59	4°21
T 28	4 28 9	5°59'41	5°51	17°58	13°39	26° 3	17°58	17°13	22°58	16°48	13°59	4°22
W29	4 32 6	7° 0'32	6°52	21°39	15°15	26°34	18° 3	17°15	22°59	16°49	13°59	4°23
T 30	4 36 3	8♁ 1'23	7♁53	25♁53	16♁51	27♁ 5	18♁ 9	17♁16	22♁59	16♁49	13♁59	4♁24

Delta T = 16.49 sec.

Greg. Calendar

DECEMBER 1786

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♄
F 1	4 39 59	9♁ 2'16	8♁55	29♁19	18♁28	27♁37	18♁14	17♁18	23♁ 0	16♁49	14♁ 0	4♁25
S 2	4 43 56	10° 3'09	9°57	3♁19	20° 4	28° 8	18°19	17°20	23° 1	16°50	14° 0	4°26
S 3	4 47 52	11° 4'03	10°59	7°26	21°40	28°40	18°25	17°22	23° 2	16°50	14° 0	4°27
M 4	4 51 49	12° 4'58	12° 2	11°41	23°16	29°11	18°30	17°24	23° 2	16°50	14° 0	4°28
T 5	4 55 45	13° 5'53	13° 5	16° 3	24°53	29°43	18°35	17°26	23° 3	16°51	14° 1	4°29
W 6	4 59 42	14° 6'50	14° 8	20°33	26°29	0♃14	18°41	17°28	23° 4	16°51	14° 1	4°30
T 7	5 3 38	15° 7'48	15°11	25°12	28° 6	0°46	18°46	17°30	23° 5	16°52	14° 1	4°31
F 8	5 7 35	16° 8'46	16°14	29°59	29°42	1°18	18°52	17°31	23° 5	16°52	14° 1	4°32
S 9	5 11 32	17° 9'46	17°16	4♁56	1♁19	1°49	18°57	17°33	23° 6	16°52	14° 2	4°33
S 10	5 15 28	18°10'47	18°18	10° 1	2°55	2°21	19° 2	17°35	23° 7	16°53	14° 2	4°34
M11	5 19 25	19°11'48	19°20	15°16	4°32	2°53	19° 8	17°37	23° 8	16°53	14° 2	4°35
T 12	5 23 21	20°12'51	20°22	20°40	6° 8	3°25	19°13	17°39	23° 8	16°53	14° 2	4°36
W13	5 27 18	21°13'54	21°23	26°12	7°45	3°57	19°19	17°41	23° 9	16°54	14° 3	4°37
T 14	5 31 14	22°14'59	22°24	1♁53	9°21	4°29	19°24	17°43	23°10	16°54	14° 3	4°38
F 15	5 35 11	23°16'04	23°24	7°43	10°58	5° 1	19°29	17°44	23°11	16°54	14° 3	4°39
S 16	5 39 7	24°17'10	24°25	13°40	12°35	5°33	19°35	17°46	23°11	16°55	14° 3	4°40
S 17	5 43 4	25°18'17	25°24	19°43	14°11	6° 6	19°40	17°48	23°12	16°55	14° 4	4°41
M18	5 47 1	26°19'25	26°24	25°52	15°48	6°38	19°46	17°50	23°13	16°55	14° 4	4°42
T 19	5 50 57	27°20'33	27°24	2♁ 6	17°25	7°10	19°51	17°52	23°14	16°56	14° 4	4°43
W20	5 54 54	28°21'42	28°23	8°23	19° 2	7°43	19°56	17°54	23°14	16°56	14° 4	4°44
T 21	5 58 50	29°22'52	29°22	14°42	20°39	8°15	20° 2	17°56	23°15	16°57	14° 5	4°45
F 22	6 2 47	0♁24'01	0♁22	21° 1	22°16	8°48	20° 7	17°58	23°16	16°57	14° 5	4°46
S 23	6 6 43	1°25'11	1°21	27°19	23°52	9°20	20°12	17°59	23°17	16°57	14° 5	4°47
S 24	6 10 40	2°26'21	2°21	3♁35	25°29	9°53	20°18	18° 1	23°17	16°58	14° 5	4°48
M25	6 14 36	3°27'31	3°21	9°46	27° 6	10°26	20°23	18° 3	23°18	16°58	14° 6	4°49
T 26	6 18 33	4°28'41	4°21	15°52	28°43	10°58	20°29	18° 5	23°19	16°58	14° 6	4°50
W27	6 22 30	5°29'51	5°21	21°51	0♁20	11°31	20°34	18° 7	23°20	16°59	14° 6	4°51
T 28	6 26 26	6°31'01	6°22	27°43	1°57	12° 4	20°39	18° 9	23°20	16°59	14° 6	4°52
F 29	6 30 23	7°32'11	7°24	3♁26	3°34	12°37	20°45	18°11	23°21	16°59	14° 7	4°53
S 30	6 34 19	8°33'20	8°25	9° 1	5°12	13°10	20°50	18°13	23°22	17° 0	14° 7	4°54
S 31	6 38 16	9♁34'29	9♁28	14♁26	6♁49	13♁43	20♁55	18♁14	23♁22	17♁ 0	14♁ 7	4♁55

Delta T = 16.49 sec.

Greg. Calendar

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