

SWISS EPHEMERIS for the year 1862
heliocentric

JANUARY 1862

00:00 UT

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

Delta T = 7.38 sec.

FEBRUARY 1862

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
S 1	8 43 47	11 ⁵⁵ 58	11 ⁵²	8 ¹⁷ 57	26 ³¹	16 ¹¹ 15	19 ²⁸	18 ¹⁷ 2	14 ¹¹ 59	1 ¹⁷ 1	9 ⁴¹	1 ¹¹ 48
S 2	8 47 43	12 ⁵⁶ 51	12 ⁵²	14 ⁸	28 ⁸	16 ⁴⁵	19 ³²	18 ⁴	14 ⁵⁹	1 ¹	9 ⁴¹	1 ⁴⁹
M 3	8 51 40	13 ⁵⁷ 42	13 ⁵¹	19 ²⁷	29 ⁴⁵	17 ¹⁵	19 ³⁷	18 ⁶	15 ⁰	1 ¹	9 ⁴¹	1 ⁴⁹
T 4	8 55 36	14 ⁵⁸ 32	14 ⁵¹	24 ⁵⁶	1 ¹² 23	17 ⁴⁶	19 ⁴²	18 ⁸	15 ¹	1 ²	9 ⁴¹	1 ⁵⁰
W 5	8 59 33	15 ⁵⁹ 21	15 ⁵¹	0 ³ 34	3 ⁰	18 ¹⁶	19 ⁴⁶	18 ¹⁰	15 ¹	1 ²	9 ⁴²	1 ⁵¹
T 6	9 3 29	17 ⁰ 08	16 ⁵¹	6 ¹⁹	4 ³⁸	18 ⁴⁶	19 ⁵¹	18 ¹²	15 ²	1 ²	9 ⁴²	1 ⁵²
F 7	9 7 26	18 ⁰ 53	17 ⁵¹	12 ¹³	6 ¹⁵	19 ¹⁷	19 ⁵⁵	18 ¹⁴	15 ³	1 ³	9 ⁴²	1 ⁵²
S 8	9 11 22	19 ¹ 37	18 ⁵²	18 ¹⁴	7 ⁵³	19 ⁴⁷	20 ⁰	18 ¹⁶	15 ⁴	1 ³	9 ⁴²	1 ⁵³
S 9	9 15 19	20 ² 20	19 ⁵⁴	24 ²¹	9 ³⁰	20 ¹⁷	20 ⁴	18 ¹⁸	15 ⁴	1 ⁴	9 ⁴²	1 ⁵⁴
M 10	9 19 16	21 ³ 01	20 ⁵⁵	0 ¹¹ 33	11 ⁸	20 ⁴⁸	20 ⁹	18 ²⁰	15 ⁵	1 ⁴	9 ⁴²	1 ⁵⁴
T 11	9 23 12	22 ³ 40	21 ⁵⁷	6 ⁴⁸	12 ⁴⁵	21 ¹⁸	20 ¹⁴	18 ²²	15 ⁶	1 ⁴	9 ⁴³	1 ⁵⁵
W 12	9 27 9	23 ⁴ 18	22 ⁵⁹	13 ⁷	14 ²³	21 ⁴⁹	20 ¹⁸	18 ²⁵	15 ⁶	1 ⁵	9 ⁴³	1 ⁵⁶
T 13	9 31 5	24 ⁴ 54	24 ²	19 ²⁶	16 ⁰	22 ²⁰	20 ²³	18 ²⁷	15 ⁷	1 ⁵	9 ⁴³	1 ⁵⁷
F 14	9 35 2	25 ⁵ 28	25 ⁴	25 ⁴⁵	17 ³⁸	22 ⁵¹	20 ²⁷	18 ²⁹	15 ⁸	1 ⁵	9 ⁴³	1 ⁵⁷
S 15	9 38 58	26 ⁶ 01	26 ⁷	2 ³ 1	19 ¹⁵	23 ²¹	20 ³²	18 ³¹	15 ⁹	1 ⁶	9 ⁴³	1 ⁵⁸
S 16	9 42 55	27 ⁶ 33	27 ⁹	8 ¹⁴	20 ⁵³	23 ⁵²	20 ³⁶	18 ³³	15 ⁹	1 ⁶	9 ⁴³	1 ⁵⁹
M 17	9 46 51	28 ⁷ 03	28 ¹¹	14 ²³	22 ³⁰	24 ²³	20 ⁴¹	18 ³⁵	15 ¹⁰	1 ⁶	9 ⁴³	1 ⁵⁹
T 18	9 50 48	29 ⁷ 31	29 ¹³	20 ²⁵	24 ⁸	24 ⁵⁴	20 ⁴⁶	18 ³⁷	15 ¹¹	1 ⁷	9 ⁴⁴	2 ⁰
W 19	9 54 45	0 ¹⁷ 58	0 ¹⁷ 15	26 ²⁰	25 ⁴⁶	25 ²⁵	20 ⁵⁰	18 ³⁹	15 ¹¹	1 ⁷	9 ⁴⁴	2 ¹
T 20	9 58 41	1 ¹⁸ 24	1 ¹⁶	2 ¹⁸ 8	27 ²³	25 ⁵⁶	20 ⁵⁵	18 ⁴¹	15 ¹²	1 ⁸	9 ⁴⁴	2 ²
F 21	10 2 38	2 ¹⁹ 49	2 ¹⁷	7 ⁴⁶	29 ¹	26 ²⁷	20 ⁵⁹	18 ⁴³	15 ¹³	1 ⁸	9 ⁴⁴	2 ²
S 22	10 6 34	3 ²⁰ 12	3 ¹⁸	13 ¹⁵	0 ¹⁷ 38	26 ⁵⁸	21 ⁴	18 ⁴⁵	15 ¹³	1 ⁸	9 ⁴⁴	2 ³
S 23	10 10 31	4 ²¹ 34	4 ¹⁸	18 ³⁵	2 ¹⁶	27 ²⁹	21 ⁸	18 ⁴⁷	15 ¹⁴	1 ⁹	9 ⁴⁴	2 ⁴
M 24	10 14 27	5 ²² 54	5 ¹⁷	23 ⁴⁵	3 ⁵³	28 ¹	21 ¹³	18 ⁴⁹	15 ¹⁵	1 ⁹	9 ⁴⁵	2 ⁵
T 25	10 18 24	6 ²⁴ 14	6 ¹⁷	28 ⁴⁶	5 ³¹	28 ³²	21 ¹⁸	18 ⁵¹	15 ¹⁶	1 ⁹	9 ⁴⁵	2 ⁵
W 26	10 22 20	7 ²⁵ 31	7 ¹⁵	3 ¹⁷ 37	7 ⁸	29 ³	21 ²²	18 ⁵³	15 ¹⁶	1 ¹⁰	9 ⁴⁵	2 ⁶
T 27	10 26 17	8 ²⁶ 47	8 ¹⁴	8 ¹⁹	8 ⁴⁶	29 ³⁵	21 ²⁷	18 ⁵⁶	15 ¹⁷	1 ¹⁰	9 ⁴⁵	2 ⁷
F 28	10 30 14	9 ²⁷ 11'01	9 ¹²	12 ¹⁷ 51	10 ¹⁷ 23	0 ¹⁷ 6	21 ³¹	18 ⁵⁸	15 ¹⁸	1 ¹⁰	9 ⁴⁵	2 ⁷

Delta T = 7.34 sec.

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SWISS EPHEMERIS for the year 1862
heliocentric

MARCH 1862

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♇	♈
S 1	10 34 10	10 ^h 11'13	10 ^h 11	17 ^h 15	12 ^h 0	0 ^h 38	21 ^h 36	19 ^h 0	15 ^h 18	1 ^h 11	9 ^h 45	2 ^h 8
S 2	10 38 7	11°11'24	11° 9	21°31	13°38	1° 9	21°40	19° 2	15°19	1°11	9°45	2° 9
M 3	10 42 3	12°11'33	12° 7	25°38	15°15	1°41	21°45	19° 4	15°20	1°12	9°46	2°10
T 4	10 46 0	13°11'39	13° 6	29°38	16°53	2°12	21°49	19° 6	15°20	1°12	9°46	2°10
W 5	10 49 56	14°11'44	14° 5	3 ^h 31	18°30	2°44	21°54	19° 8	15°21	1°12	9°46	2°11
T 6	10 53 53	15°11'47	15° 4	7°18	20° 7	3°16	21°59	19°10	15°22	1°13	9°46	2°12
F 7	10 57 49	16°11'47	16° 3	10°58	21°45	3°48	22° 3	19°12	15°23	1°13	9°46	2°12
S 8	11 1 46	17°11'46	17° 3	14°32	23°22	4°20	22° 8	19°14	15°23	1°13	9°46	2°13
S 9	11 5 43	18°11'42	18° 2	18° 1	24°59	4°52	22°12	19°16	15°24	1°14	9°47	2°14
M10	11 9 39	19°11'36	19° 3	21°25	26°36	5°24	22°17	19°18	15°25	1°14	9°47	2°15
T 11	11 13 36	20°11'28	20° 3	24°45	28°13	5°56	22°21	19°20	15°25	1°14	9°47	2°15
W12	11 17 32	21°11'17	21° 4	28° 0	29°51	6°28	22°26	19°22	15°26	1°15	9°47	2°16
T 13	11 21 29	22°11'05	22° 5	1 ^h 11	1 ^h 28	7° 0	22°31	19°24	15°27	1°15	9°47	2°17
F 14	11 25 25	23°10'50	23° 7	4°18	3° 5	7°32	22°35	19°27	15°28	1°16	9°47	2°17
S 15	11 29 22	24°10'33	24° 8	7°23	4°42	8° 4	22°40	19°29	15°28	1°16	9°48	2°18
S 16	11 33 18	25°10'14	25°10	10°24	6°19	8°37	22°44	19°31	15°29	1°16	9°48	2°19
M17	11 37 15	26° 9'53	26°11	13°22	7°56	9° 9	22°49	19°33	15°30	1°17	9°48	2°20
T 18	11 41 12	27° 9'30	27°13	16°18	9°33	9°42	22°53	19°35	15°30	1°17	9°48	2°20
W19	11 45 8	28° 9'05	28°14	19°12	11°10	10°14	22°58	19°37	15°31	1°17	9°48	2°21
T 20	11 49 5	29° 8'38	29°15	22° 4	12°46	10°47	23° 2	19°39	15°32	1°18	9°48	2°22
F 21	11 53 1	0 ^h 8'10	0 ^h 16	24°54	14°23	11°19	23° 7	19°41	15°32	1°18	9°48	2°23
S 22	11 56 58	1° 7'40	1°16	27°43	16° 0	11°52	23°12	19°43	15°33	1°18	9°49	2°23
S 23	12 0 54	2° 7'08	2°16	0 ^h 31	17°37	12°25	23°16	19°45	15°34	1°19	9°49	2°24
M24	12 4 51	3° 6'35	3°15	3°17	19°13	12°58	23°21	19°47	15°35	1°19	9°49	2°25
T 25	12 8 47	4° 5'59	4°14	6° 3	20°50	13°30	23°25	19°49	15°35	1°20	9°49	2°25
W26	12 12 44	5° 5'22	5°12	8°48	22°27	14° 3	23°30	19°51	15°36	1°20	9°49	2°26
T 27	12 16 41	6° 4'43	6°10	11°33	24° 3	14°36	23°34	19°53	15°37	1°20	9°49	2°27
F 28	12 20 37	7° 4'02	7° 8	14°18	25°40	15° 9	23°39	19°55	15°37	1°21	9°50	2°28
S 29	12 24 34	8° 3'20	8° 6	17° 2	27°16	15°42	23°44	19°57	15°38	1°21	9°50	2°28
S 30	12 28 30	9° 2'35	9° 3	19°47	28°53	16°16	23°48	20° 0	15°39	1°21	9°50	2°29
M31	12 32 27	10 ^h 1'48	10 ^h 1	22 ^h 33	0 ^h 29	16 ^h 49	23 ^h 53	20 ^h 2	15 ^h 39	1 ^h 22	9 ^h 50	2 ^h 30

Delta T = 7.30 sec.

APRIL 1862

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♇	♈
T 1	12 36 23	11 ^h 0'59	10 ^h 58	25 ^h 19	2 ^h 5	17 ^h 22	23 ^h 57	20 ^h 4	15 ^h 40	1 ^h 22	9 ^h 50	2 ^h 30
W 2	12 40 20	12° 0'08	11°56	28° 6	3°42	17°55	24° 2	20° 6	15°41	1°22	9°50	2°31
T 3	12 44 16	12°59'15	12°53	0 ^h 54	5°18	18°29	24° 6	20° 8	15°42	1°23	9°50	2°32
F 4	12 48 13	13°58'20	13°51	3°43	6°54	19° 2	24°11	20°10	15°42	1°23	9°51	2°33
S 5	12 52 9	14°57'22	14°49	6°34	8°30	19°36	24°15	20°12	15°43	1°24	9°51	2°33
S 6	12 56 6	15°56'22	15°48	9°26	10° 6	20° 9	24°20	20°14	15°44	1°24	9°51	2°34
M 7	13 0 3	16°55'20	16°46	12°20	11°42	20°43	24°25	20°16	15°44	1°24	9°51	2°35
T 8	13 3 59	17°54'16	17°45	15°17	13°18	21°16	24°29	20°18	15°45	1°25	9°51	2°35
W 9	13 7 56	18°53'09	18°45	18°16	14°54	21°50	24°34	20°20	15°46	1°25	9°51	2°36
T 10	13 11 52	19°52'00	19°44	21°18	16°30	22°24	24°38	20°22	15°47	1°25	9°52	2°37
F 11	13 15 49	20°50'49	20°44	24°22	18° 6	22°58	24°43	20°24	15°47	1°26	9°52	2°38
S 12	13 19 45	21°49'35	21°45	27°30	19°42	23°32	24°47	20°26	15°48	1°26	9°52	2°38
S 13	13 23 42	22°48'20	22°45	0 ^h 41	21°18	24° 6	24°52	20°28	15°49	1°26	9°52	2°39
M14	13 27 38	23°47'02	23°46	3°56	22°53	24°40	24°56	20°30	15°49	1°27	9°52	2°40
T 15	13 31 35	24°45'42	24°46	7°15	24°29	25°14	25° 1	20°32	15°50	1°27	9°52	2°40
W16	13 35 32	25°44'20	25°47	10°39	26° 5	25°48	25° 6	20°35	15°51	1°28	9°52	2°41
T 17	13 39 28	26°42'57	26°47	14° 7	27°40	26°22	25°10	20°37	15°51	1°28	9°53	2°42
F 18	13 43 25	27°41'32	27°48	17°41	29°16	26°56	25°15	20°39	15°52	1°28	9°53	2°43
S 19	13 47 21	28°40'05	28°47	21°19	0 ^h 51	27°30	25°19	20°41	15°53	1°29	9°53	2°43
S 20	13 51 18	29°38'36	29°47	25° 4	2°27	28° 5	25°24	20°43	15°54	1°29	9°53	2°44
M21	13 55 14	0 ^h 37'06	0 ^h 46	28°55	4° 2	28°39	25°28	20°45	15°54	1°29	9°53	2°45
T 22	13 59 11	1°35'34	1°44	2 ^h 52	5°38	29°14	25°33	20°47	15°55	1°30	9°53	2°46
W23	14 3 7	2°34'01	2°42	6°56	7°13	29°48	25°37	20°49	15°56	1°30	9°54	2°46
T 24	14 7 4	3°32'26	3°40	11° 7	8°48	0 ^h 23	25°42	20°51	15°56	1°30	9°54	2°47
F 25	14 11 1	4°30'49	4°37	15°26	10°24	0°57	25°47	20°53	15°57	1°31	9°54	2°48
S 26	14 14 57	5°29'11	5°34	19°53	11°59	1°32	25°51	20°55	15°58	1°31	9°54	2°48
S 27	14 18 54	6°27'31	6°31	24°28	13°34	2° 7	25°56	20°57	15°59	1°32	9°54	2°49
M28	14 22 50	7°25'49	7°28	29°12	15° 9	2°42	26° 0	20°59	15°59	1°32	9°54	2°50
T 29	14 26 47	8°24'06	8°24	4 ^h 5	16°45	3°16	26° 5	21° 1	16° 0	1°32	9°54	2°51
W30	14 30 43	9 ^h 22'21	9 ^h 21	9 ^h 7	18 ^h 20	3 ^h 51	26 ^h 9	21 ^h 3	16 ^h 1	1 ^h 33	9 ^h 55	2 ^h 51

Delta T = 7.26 sec.

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SWISS EPHEMERIS for the year 1862
heliocentric

MAY 1862

00:00 UT

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

Delta T = 7.22 sec.

JUNE 1862

00:00 UT

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

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SWISS EPHEMERIS for the year 1862
heliocentric

JULY 1862

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
T 1	18 35 10	8♁51'00	8♁45	3♁48	26♁30	11♁30	0♁51	23♁11	16♁44	1♁55	10♁4	3♁36
W 2	18 39 6	9°48'13	9°41	6°39	28° 5	12° 7	0°56	23°13	16°45	1°56	10° 4	3°36
T 3	18 43 3	10°45'25	10°38	9°32	29°41	12°45	1° 1	23°15	16°46	1°56	10° 5	3°37
F 4	18 47 0	11°42'38	11°34	12°26	1♁16	13°23	1° 5	23°17	16°47	1°56	10° 5	3°38
S 5	18 50 56	12°39'49	12°31	15°23	2°52	14° 1	1°10	23°19	16°47	1°57	10° 5	3°38
S 6	18 54 53	13°37'01	13°29	18°22	4°27	14°38	1°14	23°21	16°48	1°57	10° 5	3°39
M 7	18 58 49	14°34'13	14°27	21°23	6° 3	15°16	1°19	23°23	16°49	1°57	10° 5	3°40
T 8	19 2 46	15°31'24	15°25	24°28	7°38	15°54	1°23	23°25	16°49	1°58	10° 5	3°40
W 9	19 6 42	16°28'36	16°24	27°36	9°14	16°32	1°28	23°27	16°50	1°58	10° 6	3°41
T 10	19 10 39	17°25'47	17°23	0♁47	10°50	17° 9	1°32	23°29	16°51	1°59	10° 6	3°42
F 11	19 14 35	18°22'59	18°22	4° 3	12°25	17°47	1°37	23°31	16°51	1°59	10° 6	3°43
S 12	19 18 32	19°20'11	19°21	7°22	14° 1	18°25	1°41	23°33	16°52	1°59	10° 6	3°43
S 13	19 22 29	20°17'23	20°20	10°46	15°37	19° 3	1°46	23°35	16°53	2° 0	10° 6	3°44
M14	19 26 25	21°14'36	21°19	14°14	17°12	19°41	1°51	23°37	16°54	2° 0	10° 6	3°45
T 15	19 30 22	22°11'49	22°18	17°47	18°48	20°19	1°55	23°39	16°54	2° 0	10° 6	3°45
W16	19 34 18	23° 9'02	23°16	21°26	20°24	20°57	2° 0	23°42	16°55	2° 1	10° 7	3°46
T 17	19 38 15	24° 6'16	24°15	25°11	21°59	21°35	2° 4	23°44	16°56	2° 1	10° 7	3°47
F 18	19 42 11	25° 3'31	25°12	29° 2	23°35	22°13	2° 9	23°46	16°56	2° 2	10° 7	3°48
S 19	19 46 8	26° 0'47	26°10	2♁59	25°11	22°51	2°13	23°48	16°57	2° 2	10° 7	3°48
S 20	19 50 4	26°58'03	27° 7	7° 4	26°47	23°29	2°18	23°50	16°58	2° 2	10° 7	3°49
M21	19 54 1	27°55'21	28° 4	11°15	28°23	24° 7	2°22	23°52	16°59	2° 3	10° 7	3°50
T 22	19 57 58	28°52'39	29° 0	15°35	29°59	24°45	2°27	23°54	16°59	2° 3	10° 8	3°50
W23	20 1 54	29°49'58	29°56	20° 2	1♁35	25°23	2°31	23°56	17° 0	2° 3	10° 8	3°51
T 24	20 5 51	0♁47'18	0♁52	24°37	3°11	26° 1	2°36	23°58	17° 1	2° 4	10° 8	3°52
F 25	20 9 47	1°44'39	1°48	29°22	4°47	26°39	2°40	24° 0	17° 1	2° 4	10° 8	3°53
S 26	20 13 44	2°42'00	2°44	4♁15	6°23	27°17	2°45	24° 2	17° 2	2° 4	10° 8	3°53
S 27	20 17 40	3°39'23	3°39	9°17	7°59	27°55	2°50	24° 4	17° 3	2° 5	10° 8	3°54
M28	20 21 37	4°36'46	4°35	14°28	9°35	28°33	2°54	24° 6	17° 3	2° 5	10° 8	3°55
T 29	20 25 33	5°34'09	5°30	19°48	11°11	29°11	2°59	24° 8	17° 4	2° 6	10° 9	3°55
W30	20 29 30	6°31'34	6°26	25°17	12°47	29°49	3° 3	24°10	17° 5	2° 6	10° 9	3°56
T 31	20 33 27	7♁28'59	7♁22	0♁55	14♁23	0♁27	3♁ 8	24♁12	17♁ 6	2♁ 6	10♁ 9	3♁57

Delta T = 7.12 sec.

AUGUST 1862

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♃
F 1	20 37 23	8♁26'25	8♁19	6♁42	15♁59	1♁ 6	3♁12	24♁14	17♁ 6	2♁ 7	10♁ 9	3♁58
S 2	20 41 20	9°23'51	9°16	12°36	17°36	1°44	3°17	24°16	17° 7	2° 7	10° 9	3°58
S 3	20 45 16	10°21'18	10°13	18°37	19°12	2°22	3°21	24°18	17° 8	2° 7	10° 9	3°59
M 4	20 49 13	11°18'46	11°11	24°44	20°48	3° 0	3°26	24°20	17° 8	2° 8	10°10	4° 0
T 5	20 53 9	12°16'14	12° 9	0♁56	22°24	3°38	3°30	24°22	17° 9	2° 8	10°10	4° 0
W 6	20 57 6	13°13'44	13° 7	7°12	24° 1	4°16	3°35	24°25	17°10	2° 8	10°10	4° 1
T 7	21 1 2	14°11'14	14° 6	13°30	25°37	4°54	3°40	24°27	17°11	2° 9	10°10	4° 2
F 8	21 4 59	15° 8'45	15° 5	19°50	27°14	5°32	3°44	24°29	17°11	2° 9	10°10	4° 2
S 9	21 8 56	16° 6'17	16° 5	26° 8	28°50	6°10	3°49	24°31	17°12	2°10	10°10	4° 3
S 10	21 12 52	17° 3'50	17° 4	2♁25	0♁26	6°48	3°53	24°33	17°13	2°10	10°10	4° 4
M11	21 16 49	18° 1'24	18° 3	8°38	2° 3	7°27	3°58	24°35	17°13	2°10	10°11	4° 5
T 12	21 20 45	18°58'59	19° 3	14°46	3°39	8° 5	4° 2	24°37	17°14	2°11	10°11	4° 5
W13	21 24 42	19°56'36	20° 2	20°48	5°16	8°43	4° 7	24°39	17°15	2°11	10°11	4° 6
T 14	21 28 38	20°54'14	21° 1	26°43	6°52	9°21	4°11	24°41	17°16	2°11	10°11	4° 7
F 15	21 32 35	21°51'53	22° 0	2♁29	8°29	9°59	4°16	24°43	17°16	2°12	10°11	4° 7
S 16	21 36 31	22°49'35	22°58	8° 7	10° 6	10°37	4°20	24°45	17°17	2°12	10°11	4° 8
S 17	21 40 28	23°47'17	23°56	13°36	11°42	11°15	4°25	24°47	17°18	2°12	10°12	4° 9
M18	21 44 25	24°45'02	24°54	18°55	13°19	11°53	4°29	24°49	17°18	2°13	10°12	4°10
T 19	21 48 21	25°42'48	25°52	24° 5	14°56	12°31	4°34	24°51	17°19	2°13	10°12	4°10
W20	21 52 18	26°40'36	26°49	29° 5	16°33	13° 9	4°39	24°53	17°20	2°14	10°12	4°11
T 21	21 56 14	27°38'25	27°46	3♁55	18° 9	13°47	4°43	24°55	17°20	2°14	10°12	4°12
F 22	22 0 11	28°36'16	28°42	8°36	19°46	14°25	4°48	24°57	17°21	2°14	10°12	4°12
S 23	22 4 7	29°34'09	29°38	13° 8	21°23	15° 3	4°52	24°59	17°22	2°15	10°13	4°13
S 24	22 8 4	0♁32'03	0♁35	17°32	23° 0	15°41	4°57	25° 1	17°23	2°15	10°13	4°14
M25	22 12 0	1°29'59	1°31	21°47	24°37	16°19	5° 1	25° 3	17°23	2°15	10°13	4°14
T 26	22 15 57	2°27'56	2°27	25°54	26°14	16°57	5° 6	25° 5	17°24	2°16	10°13	4°15
W27	22 19 54	3°25'55	3°23	29°53	27°51	17°35	5°10	25° 7	17°25	2°16	10°13	4°16
T 28	22 23 50	4°23'56	4°19	3♁46	29°28	18°13	5°15	25°10	17°25	2°16	10°13	4°17
F 29	22 27 47	5°21'57	5°16	7°32	1♁ 5	18°51	5°19	25°12	17°26	2°17	10°13	4°17
S 30	22 31 43	6°20'01	6°13	11°12	2°42	19°28	5°24	25°14	17°27	2°17	10°14	4°18
S 31	22 35 40	7♁18'05	7♁10	14♁46	4♁19	20♁ 6	5♁28	25♁16	17♁28	2♁18	10♁14	4♁19

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SWISS EPHEMERIS for the year 1862
heliocentric

SEPTEMBER 1862

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
M 1	22 39 36	8 ^h 16'12"	8 ^h 8	18 ^h 15'	5 ^h 56'	20 ^h 44'	5 ^h 33'	25 ^h 18'	17 ^h 28'	2 ^h 18'	10 ^h 14'	4 ^h 19'
T 2	22 43 33	9°14'19"	9° 6	21°38'	7°33'	21°22'	5°38'	25°20'	17°29'	2°18'	10°14'	4°20'
W 3	22 47 29	10°12'28"	10° 5	24°57'	9°10'	22° 0	5°42'	25°22'	17°30'	2°19'	10°14'	4°21'
T 4	22 51 26	11°10'38"	11° 4	28°12'	10°47'	22°37'	5°47'	25°24'	17°30'	2°19'	10°14'	4°22'
F 5	22 55 23	12° 8'50"	12° 3	1 ^h 23'	12°24'	23°15'	5°51'	25°26'	17°31'	2°19'	10°15'	4°22'
S 6	22 59 19	13° 7'04"	13° 3	4°30'	14° 2	23°53'	5°56'	25°28'	17°32'	2°20'	10°15'	4°23'
S 7	23 3 16	14° 5'18"	14° 3	7°34'	15°39'	24°31'	6° 0	25°30'	17°32'	2°20'	10°15'	4°24'
M 8	23 7 12	15° 3'35"	15° 3	10°35'	17°16'	25° 8	6° 5	25°32'	17°33'	2°20'	10°15'	4°24'
T 9	23 11 9	16° 1'53"	16° 3	13°34'	18°53'	25°46'	6° 9	25°34'	17°34'	2°21'	10°15'	4°25'
W10	23 15 5	17° 0'13"	17° 3	16°30'	20°31'	26°23'	6°14'	25°36'	17°35'	2°21'	10°15'	4°26'
T 11	23 19 2	17°58'35"	18° 3	19°23'	22° 8	27° 1	6°18'	25°38'	17°35'	2°22'	10°15'	4°26'
F 12	23 22 58	18°57'00"	19° 3	22°15'	23°46'	27°39'	6°23'	25°40'	17°36'	2°22'	10°16'	4°27'
S 13	23 26 55	19°55'26"	20° 3	25° 5	25°23'	28°16'	6°27'	25°42'	17°37'	2°22'	10°16'	4°28'
S 14	23 30 51	20°53'54"	21° 2	27°54'	27° 0	28°54'	6°32'	25°44'	17°37'	2°23'	10°16'	4°29'
M15	23 34 48	21°52'25"	22° 1	0 ^h 42'	28°38'	29°31'	6°37'	25°46'	17°38'	2°23'	10°16'	4°29'
T 16	23 38 45	22°50'57"	23° 0	3°28'	0 ^h 15'	0 ^h 8	6°41'	25°48'	17°39'	2°23'	10°16'	4°30'
W17	23 42 41	23°49'32"	23°59'	6°14'	1°53'	0°46'	6°46'	25°50'	17°40'	2°24'	10°16'	4°31'
T 18	23 46 38	24°48'09"	24°57'	8°59'	3°30'	1°23'	6°50'	25°52'	17°40'	2°24'	10°17'	4°31'
F 19	23 50 34	25°46'49"	25°55'	11°44'	5° 8	2° 0	6°55'	25°54'	17°41'	2°25'	10°17'	4°32'
S 20	23 54 31	26°45'30"	26°52'	14°28'	6°45'	2°38'	6°59'	25°56'	17°42'	2°25'	10°17'	4°33'
S 21	23 58 27	27°44'14"	27°49'	17°13'	8°23'	3°15'	7° 4	25°58'	17°42'	2°25'	10°17'	4°34'
M22	0 2 24	28°42'59"	28°47'	19°58'	10° 0	3°52'	7° 8	26° 1	17°43'	2°26'	10°17'	4°34'
T 23	0 6 20	29°41'47"	29°43'	22°43'	11°38'	4°29'	7°13'	26° 3	17°44'	2°26'	10°17'	4°35'
W24	0 10 17	0 ^h 40'37"	0 ^h 40'	25°29'	13°15'	5° 7	7°17'	26° 5	17°44'	2°26'	10°17'	4°36'
T 25	0 14 14	1°39'28"	1°37'	28°16'	14°53'	5°44'	7°22'	26° 7	17°45'	2°27'	10°18'	4°36'
F 26	0 18 10	2°38'22"	2°34'	1 ^h 4	16°30'	6°21'	7°26'	26° 9	17°46'	2°27'	10°18'	4°37'
S 27	0 22 7	3°37'18"	3°32'	3°54'	18° 8	6°58'	7°31'	26°11'	17°47'	2°27'	10°18'	4°38'
S 28	0 26 3	4°36'15"	4°29'	6°45'	19°45'	7°35'	7°36'	26°13'	17°47'	2°28'	10°18'	4°38'
M29	0 30 0	5°35'15"	5°27'	9°37'	21°23'	8°12'	7°40'	26°15'	17°48'	2°28'	10°18'	4°39'
T 30	0 33 56	6°34'16"	6°26'	12 ^h 32'	23 ^h 0	8°49'	7 ^h 45'	26 ^h 17'	17 ^h 49'	2°29'	10 ^h 18'	4 ^h 40'

Delta T = 7.02 sec.

OCTOBER 1862

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
W 1	0 37 53	7 ^h 33'18"	7 ^h 25'	15 ^h 28'	24 ^h 38'	9 ^h 26'	7 ^h 49'	26 ^h 19'	17 ^h 49'	2 ^h 29'	10 ^h 19'	4 ^h 41'
T 2	0 41 49	8°32'23"	8°24'	18°27'	26°15'	10° 2	7°54'	26°21'	17°50'	2°29'	10°19'	4°41'
F 3	0 45 46	9°31'29"	9°24'	21°29'	27°53'	10°39'	7°58'	26°23'	17°51'	2°30'	10°19'	4°42'
S 4	0 49 43	10°30'37"	10°24'	24°34'	29°30'	11°16'	8° 3	26°25'	17°52'	2°30'	10°19'	4°43'
S 5	0 53 39	11°29'47"	11°25'	27°42'	1 ^h 8	11°53'	8° 7	26°27'	17°52'	2°30'	10°19'	4°43'
M 6	0 57 36	12°28'58"	12°26'	0 ^h 54'	2°45'	12°29'	8°12'	26°29'	17°53'	2°31'	10°19'	4°44'
T 7	1 1 32	13°28'12"	13°27'	4° 9	4°23'	13° 6	8°16'	26°31'	17°54'	2°31'	10°19'	4°45'
W 8	1 5 29	14°27'27"	14°28'	7°28'	6° 0	13°43'	8°21'	26°33'	17°54'	2°31'	10°20'	4°45'
T 9	1 9 25	15°26'45"	15°29'	10°52'	7°38'	14°19'	8°25'	26°35'	17°55'	2°32'	10°20'	4°46'
F 10	1 13 22	16°26'04"	16°30'	14°21'	9°15'	14°56'	8°30'	26°37'	17°56'	2°32'	10°20'	4°47'
S 11	1 17 18	17°25'26"	17°31'	17°54'	10°53'	15°32'	8°34'	26°39'	17°56'	2°33'	10°20'	4°48'
S 12	1 21 15	18°24'50"	18°32'	21°33'	12°30'	16° 9	8°39'	26°41'	17°57'	2°33'	10°20'	4°48'
M13	1 25 12	19°24'17"	19°32'	25°18'	14° 8	16°45'	8°44'	26°43'	17°58'	2°33'	10°20'	4°49'
T 14	1 29 8	20°23'45"	20°32'	29° 9	15°45'	17°21'	8°48'	26°45'	17°59'	2°34'	10°21'	4°50'
W15	1 33 5	21°23'16"	21°32'	3 ^h 7	17°22'	17°57'	8°53'	26°47'	17°59'	2°34'	10°21'	4°50'
T 16	1 37 1	22°22'49"	22°32'	7°12'	19° 0	18°34'	8°57'	26°49'	18° 0	2°34'	10°21'	4°51'
F 17	1 40 58	23°22'25"	23°31'	11°23'	20°37'	19°10'	9° 2	26°51'	18° 1	2°35'	10°21'	4°52'
S 18	1 44 54	24°22'03"	24°30'	15°43'	22°14'	19°46'	9° 6	26°54'	18° 1	2°35'	10°21'	4°52'
S 19	1 48 51	25°21'42"	25°29'	20°10'	23°52'	20°22'	9°11'	26°56'	18° 2	2°35'	10°21'	4°53'
M20	1 52 47	26°21'25"	26°27'	24°46'	25°29'	20°58'	9°15'	26°58'	18° 3	2°36'	10°21'	4°54'
T 21	1 56 44	27°21'09"	27°26'	29°31'	27° 6	21°34'	9°20'	27° 0	18° 4	2°36'	10°22'	4°55'
W22	2 0 40	28°20'55"	28°24'	4 ^h 24'	28°43'	22°10'	9°24'	27° 2	18° 4	2°37'	10°22'	4°55'
T 23	2 4 37	29°20'44"	29°21'	9°26'	0 ^h 20'	22°46'	9°29'	27° 4	18° 5	2°37'	10°22'	4°56'
F 24	2 8 34	0 ^h 20'35"	0 ^h 19'	14°38'	1°57'	23°22'	9°33'	27° 6	18° 6	2°37'	10°22'	4°57'
S 25	2 12 30	1°20'27"	1°17'	19°58'	3°34'	23°58'	9°38'	27° 8	18° 6	2°38'	10°22'	4°57'
S 26	2 16 27	2°20'22"	2°15'	25°28'	5°12'	24°33'	9°43'	27°10'	18° 7	2°38'	10°22'	4°58'
M27	2 20 23	3°20'18"	3°14'	1 ^h 6	6°49'	25° 9	9°47'	27°12'	18° 8	2°38'	10°23'	4°59'
T 28	2 24 20	4°20'16"	4°13'	6°53'	8°25'	25°45'	9°52'	27°14'	18° 8	2°39'	10°23'	4°59'
W29	2 28 16	5°20'15"	5°12'	12°47'	10° 2	26°20'	9°56'	27°16'	18° 9	2°39'	10°23'	5° 0
T 30	2 32 13	6°20'16"	6°12'	18°48'	11°39'	26°56'	10° 1	27°18'	18°10'	2°39'	10°23'	5° 1
F 31	2 36 10	7 ^h 20'19"	7 ^h 12'	24 ^h 56'	13 ^h 16'	27 ^h 31'	10 ^h 5	27 ^h 20'	18 ^h 11'	2 ^h 40'	10 ^h 23'	5 ^h 2

Delta T = 6.97 sec.

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SWISS EPHEMERIS for the year 1862
heliocentric

NOVEMBER 1862

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♁	♁
S 1	2 40 6	8♁20'23	8♁12	1♁ 8	14♁53	28♁ 7	10♁10	27♁22	18♁11	2♁40	10♁23	5♁ 2
S 2	2 44 3	9°20'28	9°13	7°24	16°30	28°42	10°14	27°24	18°12	2°41	10°23	5° 3
M 3	2 47 59	10°20'36	10°15	13°42	18° 6	29°17	10°19	27°26	18°13	2°41	10°24	5° 4
T 4	2 51 56	11°20'45	11°16	20° 2	19°43	29°53	10°23	27°28	18°13	2°41	10°24	5° 4
W 5	2 55 52	12°20'55	12°18	26°20	21°20	0♁28	10°28	27°30	18°14	2°42	10°24	5° 5
T 6	2 59 49	13°21'07	13°20	2♁37	22°56	1° 3	10°32	27°32	18°15	2°42	10°24	5° 6
F 7	3 3 45	14°21'21	14°22	8°50	24°33	1°38	10°37	27°34	18°16	2°42	10°24	5° 6
S 8	3 7 42	15°21'37	15°24	14°57	26° 9	2°13	10°41	27°36	18°16	2°43	10°24	5° 7
S 9	3 11 38	16°21'55	16°26	20°59	27°46	2°48	10°46	27°38	18°17	2°43	10°25	5° 8
M10	3 15 35	17°22'14	17°28	26°54	29°22	3°23	10°51	27°40	18°18	2°43	10°25	5° 9
T 11	3 19 32	18°22'36	18°30	2♁40	0♁58	3°58	10°55	27°42	18°18	2°44	10°25	5° 9
W12	3 23 28	19°22'59	19°31	8°18	2°35	4°33	11° 0	27°44	18°19	2°44	10°25	5°10
T 13	3 27 25	20°23'24	20°32	13°46	4°11	5° 7	11° 4	27°46	18°20	2°45	10°25	5°11
F 14	3 31 21	21°23'51	21°33	19° 5	5°47	5°42	11° 9	27°48	18°21	2°45	10°25	5°11
S 15	3 35 18	22°24'20	22°33	24°14	7°23	6°17	11°13	27°50	18°21	2°45	10°25	5°12
S 16	3 39 14	23°24'50	23°34	29°14	8°59	6°51	11°18	27°53	18°22	2°46	10°26	5°13
M17	3 43 11	24°25'23	24°33	4♁ 4	10°36	7°26	11°22	27°55	18°23	2°46	10°26	5°13
T 18	3 47 7	25°25'57	25°33	8°45	12°12	8° 0	11°27	27°57	18°23	2°46	10°26	5°14
W19	3 51 4	26°26'33	26°32	13°17	13°48	8°35	11°31	27°59	18°24	2°47	10°26	5°15
T 20	3 55 1	27°27'10	27°31	17°40	15°24	9° 9	11°36	28° 1	18°25	2°47	10°26	5°16
F 21	3 58 57	28°27'50	28°29	21°55	16°59	9°44	11°40	28° 3	18°25	2°47	10°26	5°16
S 22	4 2 54	29°28'30	29°28	26° 1	18°35	10°18	11°45	28° 5	18°26	2°48	10°27	5°17
S 23	4 6 50	0♁29'13	0♁27	0♁ 1	20°11	10°52	11°49	28° 7	18°27	2°48	10°27	5°18
M24	4 10 47	1°29'56	1°26	3°53	21°47	11°26	11°54	28° 9	18°28	2°49	10°27	5°18
T 25	4 14 43	2°30'41	2°25	7°39	23°23	12° 0	11°59	28°11	18°28	2°49	10°27	5°19
W26	4 18 40	3°31'27	3°24	11°19	24°58	12°34	12° 3	28°13	18°29	2°49	10°27	5°20
T 27	4 22 37	4°32'13	4°24	14°53	26°34	13° 8	12° 8	28°15	18°30	2°50	10°27	5°20
F 28	4 26 33	5°33'01	5°24	18°21	28° 9	13°42	12°12	28°17	18°30	2°50	10°28	5°21
S 29	4 30 30	6°33'49	6°25	21°45	29°45	14°16	12°17	28°19	18°31	2°50	10°28	5°22
S 30	4 34 26	7♁34'38	7♁26	25♁ 4	1♁21	14♁50	12♁21	28♁21	18♁32	2♁51	10♁28	5♁23

Delta T = 6.92 sec.

DECEMBER 1862

00:00 UT

Day	Sid.t	Terra	☾	♁	♂	♄	♃	♅	♁	♆	♁	♁
M 1	4 38 23	8♁35'29	8♁28	28♁18	2♁56	15♁24	12♁26	28♁23	18♁33	2♁51	10♁28	5♁23
T 2	4 42 19	9°36'20	9°30	1♁29	4°31	15°57	12°30	28°25	18°33	2°51	10°28	5°24
W 3	4 46 16	10°37'12	10°32	4°36	6° 7	16°31	12°35	28°27	18°34	2°52	10°28	5°25
T 4	4 50 12	11°38'05	11°34	7°40	7°42	17° 5	12°39	28°29	18°35	2°52	10°28	5°25
F 5	4 54 9	12°38'59	12°37	10°41	9°18	17°38	12°44	28°31	18°35	2°53	10°29	5°26
S 6	4 58 6	13°39'53	13°39	13°39	10°53	18°12	12°48	28°33	18°36	2°53	10°29	5°27
S 7	5 2 2	14°40'49	14°42	16°35	12°28	18°45	12°53	28°35	18°37	2°53	10°29	5°27
M 8	5 5 59	15°41'46	15°45	19°29	14° 3	19°18	12°58	28°37	18°38	2°54	10°29	5°28
T 9	5 9 55	16°42'44	16°47	22°21	15°39	19°52	13° 2	28°39	18°38	2°54	10°29	5°29
W10	5 13 52	17°43'43	17°50	25°11	17°14	20°25	13° 7	28°41	18°39	2°54	10°29	5°30
T 11	5 17 48	18°44'42	18°52	27°59	18°49	20°58	13°11	28°43	18°40	2°55	10°30	5°30
F 12	5 21 45	19°45'43	19°54	0♁47	20°24	21°31	13°16	28°45	18°40	2°55	10°30	5°31
S 13	5 25 41	20°46'45	20°56	3°33	21°59	22° 4	13°20	28°47	18°41	2°56	10°30	5°32
S 14	5 29 38	21°47'47	21°57	6°19	23°34	22°37	13°25	28°49	18°42	2°56	10°30	5°32
M15	5 33 35	22°48'51	22°58	9° 4	25° 9	23°10	13°29	28°51	18°42	2°56	10°30	5°33
T 16	5 37 31	23°49'55	23°58	11°49	26°44	23°43	13°34	28°53	18°43	2°57	10°30	5°34
W17	5 41 28	24°51'01	24°58	14°34	28°19	24°16	13°38	28°56	18°44	2°57	10°30	5°34
T 18	5 45 24	25°52'07	25°58	17°18	29°54	24°49	13°43	28°58	18°45	2°57	10°31	5°35
F 19	5 49 21	26°53'14	26°58	20° 3	1♁29	25°22	13°47	29° 0	18°45	2°58	10°31	5°36
S 20	5 53 17	27°54'22	27°57	22°49	3° 4	25°54	13°52	29° 2	18°46	2°58	10°31	5°37
S 21	5 57 14	28°55'31	28°56	25°35	4°39	26°27	13°56	29° 4	18°47	2°58	10°31	5°37
M22	6 1 10	29°56'40	29°55	28°22	6°14	26°59	14° 1	29° 6	18°47	2°59	10°31	5°38
T 23	6 5 7	0♁57'49	0♁54	1♁10	7°49	27°32	14° 6	29° 8	18°48	2°59	10°31	5°39
W24	6 9 4	1°58'59	1°54	3°59	9°24	28° 4	14°10	29°10	18°49	3° 0	10°32	5°39
T 25	6 13 0	3° 0'08	2°53	6°50	10°59	28°37	14°15	29°12	18°50	3° 0	10°32	5°40
F 26	6 16 57	4° 1'18	3°53	9°43	12°34	29° 9	14°19	29°14	18°50	3° 0	10°32	5°41
S 27	6 20 53	5° 2'27	4°54	12°37	14° 8	29°41	14°24	29°16	18°51	3° 1	10°32	5°41
S 28	6 24 50	6° 3'36	5°55	15°34	15°43	0♁14	14°28	29°18	18°52	3° 1	10°32	5°42
M29	6 28 46	7° 4'46	6°56	18°33	17°18	0°46	14°33	29°20	18°52	3° 1	10°32	5°43
T 30	6 32 43	8° 5'55	7°57	21°35	18°53	1°18	14°37	29°22	18°53	3° 2	10°32	5°44
W31	6 36 39	9♁ 7'04	8♁59	24♁40	20♁28	1♁50	14♁42	29♁24	18♁54	3♁ 2	10♁33	5♁44

Delta T = 6.87 sec.

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