

SWISS EPHEMERIS for the year 1886

JANUARY 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
F 1	6 42 16	10♁33'10	22♎10	19♁30	25♁29	21♎49	5♁25	4°R28	7♁40	23°R 4	1°R28	19°R 8	19♎55	4♁53	12°R11									
S 2	6 46 13	11°34'20	4♁38	19°55	26°16	22° 4	5°28	4♁23	7°40	23♁ 3	1♁27	18♎59	19°51	5° 0	12♁ 8									
S 3	6 50 10	12°35'31	16°55	20°26	27° 1	22°19	5°32	4°18	7°41	23° 2	1°27	18°47	19°48	5° 7	12° 5									
M 4	6 54 6	13°36'42	29° 4	21° 4	27°45	22°33	5°35	4°13	7°41	23° 1	1°26	18°34	19°45	5°13	12° 2									
T 5	6 58 3	14°37'53	11♁ 6	21°46	28°29	22°46	5°38	4° 8	7°42	23° 0	1°25	18°21	19°42	5°20	12° 0									
W 6	7 1 59	15°39'04	23° 2	22°34	29°11	22°59	5°41	4° 3	7°42	22°59	1°24	18° 9	19°39	5°27	11°57									
T 7	7 5 56	16°40'14	4♁54	23°26	29°52	23°12	5°43	3°59	7°42	22°58	1°24	17°59	19°35	5°34	11°54									
F 8	7 9 52	17°41'24	16°42	24°22	0♁32	23°24	5°46	3°54	7°43	22°57	1°23	17°51	19°32	5°40	11°51									
S 9	7 13 49	18°42'34	28°30	25°21	1°10	23°35	5°48	3°49	7°43	22°56	1°22	17°47	19°29	5°47	11°48									
S 10	7 17 45	19°43'43	10♁20	26°23	1°48	23°46	5°50	3°44	7°43	22°56	1°21	17°44	19°26	5°54	11°46									
M 11	7 21 42	20°44'52	22°17	27°29	2°24	23°56	5°52	3°40	7°43	22°55	1°21	17°D44	19°23	6° 0	11°43									
T 12	7 25 39	21°46'00	4♁24	28°36	2°58	24° 6	5°54	3°35	7°R43	22°54	1°20	17°45	19°20	6° 7	11°41									
W 13	7 29 35	22°47'07	16°47	29°46	3°31	24°15	5°55	3°31	7°43	22°53	1°19	17°R46	19°16	6°14	11°38									
T 14	7 33 32	23°48'14	29°31	0♁58	4° 3	24°24	5°56	3°26	7°43	22°53	1°19	17°46	19°13	6°20	11°36									
F 15	7 37 28	24°49'20	12♁40	2°12	4°33	24°32	5°57	3°22	7°43	22°52	1°18	17°44	19°10	6°27	11°33									
S 16	7 41 25	25°50'25	26°18	3°27	5° 1	24°39	5°58	3°17	7°43	22°52	1°17	17°40	19° 7	6°34	11°31									
S 17	7 45 21	26°51'29	10♁26	4°44	5°27	24°45	5°59	3°13	7°42	22°51	1°17	17°35	19° 4	6°40	11°29									
M 18	7 49 18	27°52'33	25° 3	6° 2	5°52	24°51	6° 0	3° 9	7°42	22°50	1°16	17°27	19° 1	6°47	11°27									
T 19	7 53 14	28°53'36	10♁ 3	7°21	6°15	24°57	6° 0	3° 4	7°42	22°50	1°16	17°19	18°57	6°54	11°24									
W 20	7 57 11	29°54'38	25°18	8°42	6°36	25° 1	6°R 0	3° 0	7°41	22°50	1°15	17°12	18°54	7° 0	11°22									
T 21	8 1 8	0♁55'39	10♁37	10° 4	6°55	25° 5	6° 0	2°56	7°41	22°49	1°15	17° 6	18°51	7° 7	11°20									
F 22	8 5 4	1°56'40	25°48	11°27	7°12	25° 8	6° 0	2°52	7°40	22°49	1°14	17° 2	18°48	7°14	11°19									
S 23	8 9 1	2°57'40	10♁44	12°51	7°27	25°11	6° 0	2°48	7°40	22°48	1°14	17°D 0	18°45	7°20	11°17									
S 24	8 12 57	3°58'39	25°16	14°15	7°40	25°13	5°59	2°44	7°39	22°48	1°13	17° 0	18°41	7°27	11°15									
M 25	8 16 54	4°59'37	9♁23	15°41	7°50	25°14	5°58	2°41	7°38	22°48	1°13	17° 1	18°38	7°34	11°13									
T 26	8 20 50	6° 0'36	23° 2	17° 8	7°59	25°R14	5°57	2°37	7°38	22°47	1°12	17° 3	18°35	7°40	11°12									
W 27	8 24 47	7° 1'33	6♎16	18°35	8° 5	25°14	5°56	2°33	7°37	22°47	1°12	17°R 4	18°32	7°47	11°10									
T 28	8 28 43	8° 2'30	19° 8	20° 3	8° 8	25°12	5°55	2°30	7°36	22°47	1°12	17° 3	18°29	7°54	11° 8									
F 29	8 32 40	9° 3'26	1♁41	21°32	8°R 9	25°10	5°53	2°26	7°35	22°47	1°11	17° 0	18°26	8° 1	11° 7									
S 30	8 36 37	10° 4'22	14° 0	23° 2	8° 8	25° 8	5°51	2°23	7°34	22°47	1°11	16°56	18°22	8° 7	11° 6									
S 31	8 40 33	11♁ 5'16	26♁ 8	24♁32	8♁ 4	25♎ 4	5♁49	2♁19	7♁33	22♁47	1♁11	16♎51	18♎19	8♁14	11♁ 4									

Delta T = -5.72 sec.

FEBRUARY 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
M 1	8 44 30	12♁ 6'10	8♁ 8	26♁ 4	7°R58	25°R 0	5°R47	2°R16	7°R32	22°R47	1°R10	16°R44	18♎16	8♁21	11°R 3									
T 2	8 48 26	13° 7'03	20° 2	27°36	7♁49	24♎55	5°A45	2♁13	7♁31	22°D47	1♁10	16♎37	18°13	8°27	11♁ 2									
W 3	8 52 23	14° 7'54	1♁52	29° 9	7°38	24°49	5°42	2°10	7°30	22♁47	1°10	16°31	18°10	8°34	11° 1									
T 4	8 56 19	15° 8'45	13°41	0♁42	7°24	24°42	5°40	2° 7	7°28	22°47	1°10	16°26	18° 7	8°41	11° 0									
F 5	9 0 16	16° 9'34	25°31	2°16	7° 8	24°35	5°37	2° 4	7°27	22°47	1° 9	16°23	18° 3	8°47	10°59									
S 6	9 4 12	17°10'23	7♁22	3°51	6°49	24°26	5°34	2° 1	7°26	22°47	1° 9	16°21	18° 0	8°54	10°58									
S 7	9 8 9	18°11'09	19°18	5°27	6°28	24°17	5°31	1°59	7°24	22°47	1° 9	16°D20	17°57	9° 1	10°58									
M 8	9 12 6	19°11'55	1♁21	7° 4	6° 4	24° 8	5°27	1°56	7°23	22°47	1° 9	16°21	17°54	9° 7	10°57									
T 9	9 16 2	20°12'38	13°34	8°41	5°39	23°57	5°24	1°54	7°22	22°48	1° 9	16°23	17°51	9°14	10°56									
W 10	9 19 59	21°13'21	26° 1	10°20	5°11	23°45	5°20	1°51	7°20	22°48	1° 9	16°24	17°47	9°21	10°56									
T 11	9 23 55	22°14'01	8♁45	11°59	4°42	23°33	5°16	1°49	7°19	22°48	1° 9	16°26	17°44	9°27	10°55									
F 12	9 27 52	23°14'40	21°50	13°38	4°11	23°20	5°12	1°47	7°17	22°48	1° 9	16°R26	17°41	9°34	10°55									
S 13	9 31 48	24°15'17	5♁19	15°19	3°38	23° 7	5° 8	1°45	7°15	22°49	1° 9	16°26	17°38	9°41	10°55									
S 14	9 35 45	25°15'53	19°14	17° 1	3° 3	22°52	5° 3	1°43	7°14	22°49	1°D 9	16°25	17°35	9°47	10°54									
M 15	9 39 41	26°16'27	3♁34	18°43	2°28	22°37	4°58	1°41	7°12	22°50	1° 9	16°22	17°32	9°54	10°54									
T 16	9 43 38	27°16'59	18°18	20°27	1°52	22°21	4°54	1°39	7°10	22°50	1° 9	16°20	17°28	10° 1	10°D54									
W 17	9 47 35	28°17'29	3♁20	22°11	1°15	22° 5	4°49	1°38	7° 8	22°51	1° 9	16°17	17°25	10° 7	10°54									
T 18	9 51 31	29°17'58	18°31	23°56	0°37	21°48	4°44	1°36	7° 7	22°51	1° 9	16°15	17°22	10°14	10°54									
F 19	9 55 28	0♁18'25	3♎42	25°42	29♁59	21°30	4°39	1°35	7° 5	22°52	1° 9	16°14	17°19	10°21	10°55									
S 20	9 59 24	1°18'50	18°42	27°29	29°22	21°12	4°33	1°33	7° 3	22°52	1° 9	16°D14	17°16	10°27	10°55									
S 21	10 3 21	2°19'13	3♁25	29°17	28°45	20°53	4°28	1°32																

SWISS EPHEMERIS for the year 1886

MARCH 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
M 1	10 34 53	10 ^h 21'31"	16 ^h 35'56"	14 ^h 13'	24 ^h R29	18 ^h R 3	3 ^h R39	1 ^h R27	6 ^h R44	22 ^h 59'	1 ^h II11	16 ^h R16	16 ^h 47'	14 ^h 27'	11 ^h II 1	
T 2	10 38 50	11 ^h 21'42"	28 ^h 46'	16 ^h 8	24 ^h ≈ 5	17 ^h 40'	3 ^h Δ32	1 ^h 26'	6 ^h Δ42	23 ^h 0	1 ^h 11	16 ^h 16'	16 ^h 44'	11 ^h 34'	11 ^h 2	
W 3	10 42 46	12 ^h 21'50"	10 ^h ≈34'	18 ^h 4	23 ^h 44'	17 ^h 16'	3 ^h 25'	1 ^h D26'	6 ^h 39'	23 ^h 1	1 ^h 12	16 ^h 15'	16 ^h 41'	11 ^h 41'	11 ^h 3	
T 4	10 46 43	13 ^h 21'57"	22 ^h 24'	20 ^h 0	23 ^h 24'	16 ^h 53'	3 ^h 19'	1 ^h 26'	6 ^h 37'	23 ^h 2	1 ^h 12	16 ^h 15'	16 ^h 38'	11 ^h 47'	11 ^h 4	
F 5	10 50 39	14 ^h 22'03"	4 ^h 16'	21 ^h 56'	23 ^h 7	16 ^h 29'	3 ^h 12'	1 ^h 27'	6 ^h 35'	23 ^h 3	1 ^h 13	16 ^h 14'	16 ^h 34'	11 ^h 54'	11 ^h 5	
S 6	10 54 36	15 ^h 22'06"	16 ^h 15'	23 ^h 52'	22 ^h 53'	16 ^h 6	3 ^h 5	1 ^h 27'	6 ^h 32'	23 ^h 4	1 ^h 13	16 ^h D14'	16 ^h 31'	12 ^h 1	11 ^h 7	
S 7	10 58 32	16 ^h 22'08"	28 ^h 22'	25 ^h 48'	22 ^h 41'	15 ^h 42'	2 ^h 58'	1 ^h 27'	6 ^h 30'	23 ^h 5	1 ^h 13	16 ^h R14'	16 ^h 28'	12 ^h 7	11 ^h 8	
M 8	11 2 29	17 ^h 22'07"	10 ^h 38'	27 ^h 44'	22 ^h 31'	15 ^h 18'	2 ^h 50'	1 ^h 28'	6 ^h 28'	23 ^h 7	1 ^h 14	16 ^h 14'	16 ^h 25'	12 ^h 14'	11 ^h 9	
T 9	11 6 26	18 ^h 22'05"	23 ^h 5	29 ^h 38'	22 ^h 24'	14 ^h 55'	2 ^h 43'	1 ^h 28'	6 ^h 25'	23 ^h 8	1 ^h 14	16 ^h 14'	16 ^h 22'	12 ^h 21'	11 ^h 11	
W10	11 10 22	19 ^h 22'00"	5 ^h 45'	1 ^h 31'	22 ^h 19'	14 ^h 31'	2 ^h 36'	1 ^h 29'	6 ^h 23'	23 ^h 9	1 ^h 15	16 ^h 14'	16 ^h 18'	12 ^h 27'	11 ^h 13	
T 11	11 14 19	20 ^h 21'54"	18 ^h 40'	3 ^h 22'	22 ^h D16'	14 ^h 8	2 ^h 28'	1 ^h 30'	6 ^h 20'	23 ^h 10'	1 ^h 15	16 ^h 13'	16 ^h 15'	12 ^h 34'	11 ^h 14	
F 12	11 18 15	21 ^h 21'45"	1 ^h II51'	5 ^h 12'	22 ^h 17'	13 ^h 44'	2 ^h 21'	1 ^h 31'	6 ^h 18'	23 ^h 11'	1 ^h 16	16 ^h 13'	16 ^h 12'	12 ^h 41'	11 ^h 16	
S 13	11 22 12	22 ^h 21'34"	15 ^h 19'	6 ^h 59'	22 ^h 19'	13 ^h 21'	2 ^h 13'	1 ^h 32'	6 ^h 15'	23 ^h 13'	1 ^h 17	16 ^h 13'	16 ^h 9	12 ^h 47'	11 ^h 18	
S 14	11 26 8	23 ^h 21'21"	29 ^h 6	8 ^h 42'	22 ^h 24'	12 ^h 58'	2 ^h 6	1 ^h 33'	6 ^h 13'	23 ^h 14'	1 ^h 17	16 ^h D13'	16 ^h 6	12 ^h 54'	11 ^h 20	
M15	11 30 5	24 ^h 21'05"	13 ^h 12'	10 ^h 23'	22 ^h 31'	12 ^h 36'	1 ^h 58'	1 ^h 34'	6 ^h 10'	23 ^h 15'	1 ^h 18	16 ^h 13'	16 ^h 3	13 ^h 1	11 ^h 22	
T 16	11 34 1	25 ^h 20'47"	27 ^h 36'	11 ^h 59'	22 ^h 40'	12 ^h 14'	1 ^h 50'	1 ^h 36'	6 ^h 8	23 ^h 17'	1 ^h 18	16 ^h 14'	15 ^h 59'	13 ^h 7	11 ^h 24	
W17	11 37 58	26 ^h 20'27"	12 ^h 14'	13 ^h 31'	22 ^h 51'	11 ^h 52'	1 ^h 43'	1 ^h 37'	6 ^h 5	23 ^h 18'	1 ^h 19	16 ^h 15'	15 ^h 56'	13 ^h 14'	11 ^h 26	
T 18	11 41 55	27 ^h 20'05"	2 ^h 2	14 ^h 58'	23 ^h 5	11 ^h 30'	1 ^h 35'	1 ^h 39'	6 ^h 3	23 ^h 19'	1 ^h 20	16 ^h 15'	15 ^h 53'	13 ^h 21'	11 ^h 28	
F 19	11 45 51	28 ^h 19'40"	11 ^h 54'	16 ^h 20'	23 ^h 21'	11 ^h 9	1 ^h 27'	1 ^h 40'	6 ^h 0	23 ^h 21'	1 ^h 20	16 ^h R16'	15 ^h 50'	13 ^h 27'	11 ^h 31	
S 20	11 49 48	29 ^h 19'14"	26 ^h 41'	17 ^h 36'	23 ^h 38'	10 ^h 49'	1 ^h 20'	1 ^h 42'	5 ^h 58'	23 ^h 22'	1 ^h 21	16 ^h 16'	15 ^h 47'	13 ^h 34'	11 ^h 33	
S 21	11 53 44	0 ^h V18'45"	11 ^h Δ17'	18 ^h 46'	23 ^h 58'	10 ^h 29'	1 ^h 12'	1 ^h 44'	5 ^h 55'	23 ^h 24'	1 ^h 22	16 ^h 15'	15 ^h 44'	13 ^h 41'	11 ^h 35	
M22	11 57 41	1 ^h 18'14"	25 ^h 36'	19 ^h 49'	24 ^h 19'	10 ^h 10'	1 ^h 4	1 ^h 46'	5 ^h 53'	23 ^h 25'	1 ^h 23	16 ^h 13'	15 ^h 40'	13 ^h 47'	11 ^h 38	
T 23	12 1 37	2 ^h 17'41"	9 ^h 32'	20 ^h 46'	24 ^h 42'	9 ^h 51'	0 ^h 56'	1 ^h 48'	5 ^h 50'	23 ^h 27'	1 ^h 23	16 ^h 11'	15 ^h 37'	13 ^h 54'	11 ^h 40	
W24	12 5 34	3 ^h 17'07"	2 ^h 3	21 ^h 35'	25 ^h 7	9 ^h 32'	0 ^h 49'	1 ^h 50'	5 ^h 47'	23 ^h 28'	1 ^h 24	16 ^h 9	15 ^h 34'	14 ^h 1	11 ^h 43	
T 25	12 9 30	4 ^h 16'31"	6 ^h 9	22 ^h 18'	25 ^h 34'	9 ^h 15'	0 ^h 41'	1 ^h 53'	5 ^h 45'	23 ^h 30'	1 ^h 25	16 ^h 7	15 ^h 31'	14 ^h 7	11 ^h 46	
F 26	12 13 27	5 ^h 15'53"	18 ^h 52'	22 ^h 53'	26 ^h 2	8 ^h 58'	0 ^h 33'	1 ^h 55'	5 ^h 42'	23 ^h 32'	1 ^h 26	16 ^h 5	15 ^h 28'	14 ^h 14'	11 ^h 48	
S 27	12 17 23	6 ^h 15'13"	1 ^h 35'	23 ^h 20'	26 ^h 32'	8 ^h 41'	0 ^h 25'	1 ^h 58'	5 ^h 40'	23 ^h 33'	1 ^h 27	16 ^h D 4'	15 ^h 24'	14 ^h 21'	11 ^h 51	
S 28	12 21 20	7 ^h 14'32"	13 ^h 22'	23 ^h 40'	27 ^h 3	8 ^h 26'	0 ^h 18'	2 ^h 0	5 ^h 37'	23 ^h 35'	1 ^h 27	16 ^h 4	15 ^h 21'	14 ^h 27'	11 ^h 54	
M29	12 25 17	8 ^h 13'48"	25 ^h 18'	23 ^h 52'	27 ^h 36'	8 ^h 11'	0 ^h 10'	2 ^h 3	5 ^h 34'	23 ^h 37'	1 ^h 28	16 ^h 5	15 ^h 18'	14 ^h 34'	11 ^h 57	
T 30	12 29 13	9 ^h 13'03"	7 ^h ≈ 7	23 ^h R57'	28 ^h 10'	7 ^h 57'	0 ^h 2	2 ^h 6	5 ^h 32'	23 ^h 38'	1 ^h 29	16 ^h 7	15 ^h 15'	14 ^h 41'	12 ^h 0	
W31	12 33 10	10 ^h V12'16"	18 ^h ≈56'	23 ^h V55'	28 ^h ≈46'	7 ^h 43'	29 ^h 55'	2 ^h 9	5 ^h Δ29'	23 ^h 40'	1 ^h II30'	16 ^h 8	15 ^h 12'	14 ^h ≈47'	12 ^h II 3	

Delta T = -5.70 sec.

APRIL 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
T 1	12 37 6	11 ^h V11'27"	0 ^h 47'	23 ^h R46'	29 ^h ≈22'	7 ^h R31'	29 ^h R47'	2 ^h 12'	5 ^h R27'	23 ^h 42'	1 ^h II31'	16 ^h 10'	15 ^h 10'	14 ^h ≈54'	12 ^h II 6	
F 2	12 41 3	12 ^h 10'37"	12 ^h 44'	23 ^h V30'	0 ^h ≈ 0	7 ^h 19'	29 ^h 40'	2 ^h 15'	5 ^h Δ24'	23 ^h 44'	1 ^h 32	16 ^h R11'	15 ^h 5	15 ^h 1	12 ^h 9	
S 3	12 44 59	13 ^h 9'44"	24 ^h 52'	23 ^h 8	0 ^h 39'	7 ^h 7	29 ^h 32'	2 ^h 18'	5 ^h 21'	23 ^h 45'	1 ^h 33	16 ^h 10'	15 ^h 2	15 ^h 7	12 ^h 13	
S 4	12 48 56	14 ^h 8'49"	7 ^h V11'	22 ^h 41'	1 ^h 20'	6 ^h 57'	29 ^h 25'	2 ^h 22'	5 ^h 19'	23 ^h 47'	1 ^h 34	16 ^h 9	14 ^h 59'	15 ^h 14'	12 ^h 16	
M 5	12 52 52	15 ^h 7'53"	19 ^h 44'	22 ^h 8	2 ^h 1	6 ^h 47'	29 ^h 18'	2 ^h 25'	5 ^h 16'	23 ^h 49'	1 ^h 35	16 ^h 6	14 ^h 56'	15 ^h 21'	12 ^h 19	
T 6	12 56 49	16 ^h 6'54"	2 ^h 31'	21 ^h 31'	2 ^h 43'	6 ^h 38'	29 ^h 11'	2 ^h 29'	5 ^h 14'	23 ^h 51'	1 ^h 36	16 ^h 1	14 ^h 53'	15 ^h 27'	12 ^h 23	
W 7	13 0 46	17 ^h 5'54"	15 ^h 32'	20 ^h 51'	3 ^h 27'	6 ^h 30'	29 ^h 4	2 ^h 32'	5 ^h 11'	23 ^h 53'	1 ^h 37	15 ^h 56'	14 ^h 49'	15 ^h 34'	12 ^h 26	
T 8	13 4 42	18 ^h 4'51"	28 ^h 47'	20 ^h 8	4 ^h 11'	6 ^h 23'	28 ^h 57'	2 ^h 36'	5 ^h 9	23 ^h 55'	1 ^h 38	15 ^h 51'	14 ^h 46'	15 ^h 41'	12 ^h 30	
F 9	13 8 39	19 ^h 3'46"	12 ^h II15'	19 ^h 23'	4 ^h 56'	6 ^h 17'	28 ^h 50'	2 ^h 40'	5 ^h 6	23 ^h 57'	1 ^h 39	15 ^h 47'	14 ^h 43'	15 ^h 47'	12 ^h 33	
S 10	13 12 35	20 ^h 2'39"	25 ^h 55'	18 ^h 38'	5 ^h 42'	6 ^h 11'	28 ^h 43'	2 ^h 44'	5 ^h 4	23 ^h 58'	1 ^h 40	15 ^h 43'	14 ^h 40'	15 ^h 54'	12 ^h 37	
S 11	13 16 32	21 ^h 1'29"	9 ^h 46'	17 ^h 52'	6 ^h 29'	6 ^h 6	28 ^h 36'	2 ^h 48'	5 ^h 1	24 ^h 0	1 ^h 41	15 ^h 41'	14 ^h 37'	16 ^h 1	12 ^h 40	
M12	13 20 28	22 ^h 0'17"	23 ^h 47'	17 ^h 7	7 ^h 17'	6 ^h 2	28 ^h 29'	2 ^h 52'	4 ^h 59'	24 ^h 2	1 ^h 42	15 ^h D40'	14 ^h 34'	16 ^h 7	12 ^h 44	
T 13	13 24 25	22 ^h 59'03"	7 ^h Δ58'	16 ^h 24'	8 ^h 5	5 ^h 59'	28 ^h 23'	2 ^h 56'	4 ^h 56'	24 ^h 4	1 ^h 43	15 ^h 41'	14 ^h 30'	16 ^h 14'	12 ^h 48	
W14	13 28 21	23 ^h 57'47"	22 ^h 15'	15 ^h 43'	8 ^h 54'	5 ^h 56'	28 ^h 16'	3 ^h 0	4 ^h 54'	24 ^h 6	1 ^h 44	15 ^h 42'	14 ^h 27'	16 ^h 21'	12 ^h 52	
T 15	13 32 18	24 ^h 56'28"	6 ^h 13'	15 ^h 5	9 ^h 44'	5 ^h 54'	28 ^h 10'	3 ^h 5	4 ^h 52'	24 ^h 8	1 ^h 45	15 ^h 44'	14 ^h 24'	16 ^h 27'	12 ^h 56	
F 16	13 36 15	25 ^h 55'07"	2 ^h 3	14 ^h 31'	10 ^h 35'	5 ^h 53'	28 ^h 4	3 ^h 9	4 ^h 49'	24 ^h 10'	1 ^h 46	15 ^h R44'	14 ^h 21'	16 ^h 34'	13 ^h 0	
S 17	13 40 11	26 ^h 53'44"	5 ^h Δ25'	14 ^h 0	11 ^h 26'	5<										

SWISS EPHEMERIS for the year 1886

MAY 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	14 35 23	10♈31'15	3♃5	15♃16	24♋23	7♎3	26°R48	4♁25	4°R17	24♃42	2♁5	14°R56	13♎33	18♁14	14♁4
S 2	14 39 19	11°29'27	15°35	15°55	25°22	7°12	26♎44	4°31	4♁15	24°44	2°6	14♎52	13°30	18°21	14°8
M 3	14 43 16	12°27'37	28°24	16°38	26°22	7°23	26°40	4°37	4°13	24°47	2°7	14°46	13°27	18°27	14°13
T 4	14 47 12	13°25'45	11♈31	17°24	27°21	7°34	26°36	4°42	4°11	24°49	2°8	14°38	13°24	18°34	14°18
W 5	14 51 9	14°23'52	24°57	18°14	28°21	7°45	26°33	4°48	4°9	24°51	2°10	14°28	13°20	18°41	14°22
T 6	14 55 6	15°21'57	8♁37	19°7	29°22	7°57	26°30	4°54	4°8	24°53	2°11	14°18	13°17	18°47	14°27
F 7	14 59 2	16°20'00	22°30	20°4	0♃22	8°10	26°27	5°0	4°6	24°55	2°12	14°8	13°14	18°54	14°32
S 8	15 2 59	17°18'02	6♁31	21°3	1°23	8°23	26°24	5°6	4°4	24°58	2°14	14°1	13°11	19°1	14°36
S 9	15 6 55	18°16'02	20°38	22°5	2°24	8°37	26°21	5°12	4°3	25°0	2°15	13°55	13°8	19°7	14°41
M10	15 10 52	19°14'00	4♁46	23°11	3°26	8°51	26°19	5°19	4°1	25°2	2°16	13°53	13°5	19°14	14°46
T 11	15 14 48	20°11'56	18°55	24°19	4°28	9°6	26°17	5°25	3°59	25°4	2°18	13°D52	13°1	19°21	14°51
W12	15 18 45	21°9'50	3♎2	25°29	5°30	9°21	26°14	5°31	3°58	25°7	2°19	13°52	12°58	19°27	14°56
T 13	15 22 41	22°7'42	17°7	26°42	6°32	9°37	26°13	5°38	3°56	25°9	2°20	13°R52	12°55	19°34	15°1
F 14	15 26 38	23°5'33	1♁9	27°58	7°35	9°53	26°11	5°44	3°55	25°11	2°22	13°51	12°52	19°40	15°6
S 15	15 30 35	24°3'22	15°5	29°17	8°37	10°10	26°9	5°50	3°54	25°13	2°23	13°48	12°49	19°47	15°11
S 16	15 34 31	25°1'09	28°55	0♃37	9°40	10°27	26°8	5°57	3°52	25°16	2°24	13°42	12°46	19°54	15°16
M17	15 38 28	25°58'54	12♎35	2°1	10°44	10°44	26°7	6°3	3°51	25°18	2°26	13°33	12°42	20°0	15°21
T 18	15 42 24	26°56'39	26°1	3°26	11°47	11°2	26°6	6°10	3°50	25°20	2°27	13°22	12°39	20°7	15°26
W19	15 46 21	27°54'22	9♁13	4°54	12°51	11°21	26°5	6°17	3°49	25°22	2°28	13°11	12°36	20°14	15°31
T 20	15 50 17	28°52'03	22°8	6°25	13°55	11°40	26°4	6°23	3°47	25°25	2°30	12°59	12°33	20°20	15°36
F 21	15 54 14	29°49'44	4♁45	7°57	14°59	11°59	26°3	6°30	3°46	25°27	2°31	12°48	12°30	20°27	15°41
S 22	15 58 10	0♁47'23	17°6	9°32	16°4	12°18	26°3	6°37	3°45	25°29	2°32	12°39	12°26	20°34	15°46
S 23	16 2 7	1°45'01	29°13	11°9	17°8	12°38	26°D3	6°44	3°44	25°31	2°34	12°33	12°23	20°40	15°51
M24	16 6 4	2°42'38	11♁10	12°49	18°13	12°59	26°3	6°51	3°43	25°34	2°35	12°29	12°20	20°47	15°56
T 25	16 10 0	3°40'14	23°0	14°31	19°18	13°20	26°3	6°58	3°42	25°36	2°37	12°27	12°17	20°54	16°1
W26	16 13 57	4°37'49	4♁49	16°15	20°23	13°41	26°4	7°5	3°42	25°38	2°38	12°27	12°14	21°0	16°6
T 27	16 17 53	5°35'24	16°42	18°1	21°29	14°2	26°4	7°12	3°41	25°40	2°39	12°27	12°11	21°7	16°12
F 28	16 21 50	6°32'57	28°45	19°50	22°34	14°24	26°5	7°19	3°40	25°43	2°41	12°26	12°7	21°14	16°17
S 29	16 25 46	7°30'30	11♃3	21°41	23°40	14°46	26°6	7°26	3°39	25°45	2°42	12°23	12°4	21°20	16°22
S 30	16 29 43	8°28'01	23°40	23°34	24°46	15°9	26°7	7°33	3°39	25°47	2°43	12°19	12°1	21°27	16°27
M31	16 33 39	9♁25'32	6♁39	25♃29	25♃51	15♎32	26°8	7♁40	3♁38	25♃49	2♁45	12♎11	11♎58	21♁34	16♁32

Delta T = -5.69 sec.

JUNE 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	16 37 36	10♁23'02	20♃1	27♃27	26♃58	15♎55	26♎10	7♁47	3°R38	25♃51	2♁46	12°R1	11♎55	21♁40	16♁38
W 2	16 41 33	11°20'31	3♁46	29°26	28°4	16°18	26°12	7°55	3♁37	25°54	2°47	11°50	11°52	21°47	16°43
T 3	16 45 29	12°17'59	17°51	1♁28	29°10	16°42	26°13	8°2	3°37	25°56	2°49	11°38	11°48	21°54	16°48
F 4	16 49 26	13°15'27	2♁9	3°31	0♃17	17°6	26°15	8°9	3°36	25°58	2°50	11°27	11°45	22°0	16°53
S 5	16 53 22	14°12'53	16°36	5°37	1°24	17°31	26°18	8°17	3°36	26°0	2°51	11°18	11°42	22°7	16°59
S 6	16 57 19	15°10'18	1♁5	7°43	2°30	17°56	26°20	8°24	3°36	26°2	2°53	11°11	11°39	22°14	17°4
M 7	17 1 15	16°7'42	15°31	9°52	3°37	18°21	26°22	8°31	3°35	26°4	2°54	11°7	11°36	22°20	17°9
T 8	17 5 12	17°5'05	29°50	12°1	4°44	18°46	26°25	8°39	3°35	26°7	2°55	11°6	11°32	22°27	17°14
W 9	17 9 9	18°2'27	13♎59	14°12	5°52	19°12	26°28	8°46	3°35	26°9	2°57	11°6	11°29	22°34	17°20
T 10	17 13 5	18°59'48	27°58	16°23	6°59	19°38	26°31	8°54	3°35	26°11	2°58	11°5	11°26	22°40	17°25
F 11	17 17 2	19°57'08	11♁46	18°35	8°6	20°4	26°34	9°1	3°D35	26°13	2°59	11°4	11°23	22°47	17°30
S 12	17 20 58	20°54'27	25°24	20°47	9°14	20°30	26°38	9°9	3°35	26°15	3°1	11°1	11°20	22°53	17°35
S 13	17 24 55	21°51'44	8♎51	22°59	10°22	20°57	26°41	9°16	3°35	26°17	3°2	10°54	11°17	23°0	17°41
M14	17 28 51	22°49'01	22°7	25°10	11°29	21°24	26°45	9°24	3°35	26°19	3°3	10°46	11°13	23°7	17°46
T 15	17 32 48	23°46'18	5♁11	27°21	12°37	21°51	26°49	9°31	3°35	26°21	3°5	10°35	11°10	23°13	17°51
W16	17 36 44	24°43'33	18°3	29°32	13°45	22°19	26°53	9°39	3°36	26°23	3°6	10°22	11°7	23°20	17°56
T 17	17 40 41	25°40'49	0♃42	1♁41	14°53	22°47	26°57	9°47	3°36	26°25	3°7	10°10	11°4	23°27	18°2
F 18	17 44 38	26°38'03	13°7	3°49	16°1	23°15	27°1	9°54	3°36	26°27	3°8	9°59	11°1	23°33	18°7
S 19	17 48 34	27°35'18	25°19	5°55	17°10	23°43	27°6	10°2	3°37	26°29	3°10	9°50	10°58	23°40	18°12
S 20	17 52 31	28°32'31	7♁21	8°0	18°18	24°11	27°10	10°10	3°37	26°31	3°11	9°43	10°54	23°47	18°17
M21	17 56 27	29°29'45	19°14	10°3	19°27	24°40	27°15	10°17	3°38	26°33	3°12	9°39	10°51	23°53	18°23
T 22	18 0 24	0♁26'58	1♁2	12°4	20°35	25°9	27°20	10°25	3°38	26°35	3°13	9°37	10°48	24°0	18°28
W23	18 4 20	1°24'12	12°50	14°3	21°44	25°38	27°25	10°33	3°39	26°37	3°15	9°D37	10°45	24°7	18°33
T 24	18 8 17	2°21'25	24°43	16°1	22°53	26°7	27°31	10°41	3°39	26°39	3°16	9°37	10°42	24°13	18°38
F 25	18 12 13	3°18'38	6♃46	17°56	24°1	26°37	27°36	10°48	3°40	26°41	3°17	9°R37	10°38	24°20	18°43
S 26	18 16 10	4°15'51	19°3	19°49	25°10	27°6	27°41	10°56	3°41	26°43	3°18	9°36	10°35	24°27	18°49
S 27	18 20 7	5°13'04	1♁41	21°40	26°19	27°36	27°47	11°4	3°42	26°45	3°19	9°33	10°32	24°33	18°54
M28	18 24 3	6°10'17	14°44	23°29	27°29	28°6	27°53	11°12	3°43	26°46	3°21	9°28	10°29	24°40	18°59
T 29	18 28 0	7°7'31	28°12	25°16	28°38	28°37	27°59	11°19	3°44	26°48	3°22	9°20	10°26	24°47	19°4
W30	18 31 56	8♁44'44	12♁7	27♁1	29♃47	29♎7	28♎5	11♁27	3♁44	26♃50	3♁23	9♎12	10♎23	24♁53	19♁9

Delta T = -5.69 sec.

created from Swiss Ephemeris, Copyright AstroDienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1886

JULY 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	18 35 53	9°58'15"	26°27'27"	28°43'28"	0°11'57"	29°38'29"	28°11'11"	11°35'33"	3°46'33"	26°52'26"	3°24'33"	9°R 2	10°19'10"	25°00'25"	19°11'14"
F 2	18 39 49	9°59'11"	11°04'00"	0°24'00"	2° 6'00"	0°09'00"	28°18'28"	11°43'11"	3°47'34"	26°54'26"	3°25'32"	8°53'08"	10°16'10"	25° 6'25"	19°19'19"
S 3	18 43 46	10°56'25"	25°54'25"	2° 2'00"	3°16'00"	0°40'00"	28°24'28"	11°51'11"	3°48'34"	26°55'26"	3°26'32"	8°46'08"	10°13'10"	25°13'25"	19°24'19"
S 4	18 47 42	11°53'38"	10°02'46"	3°38'00"	4°25'00"	1°12'00"	28°31'28"	11°58'11"	3°49'34"	26°57'26"	3°27'32"	8°41'08"	10°10'10"	25°20'25"	19°29'19"
M 5	18 51 39	12°50'52"	25°33'33"	5°12'00"	5°35'00"	1°43'00"	28°38'28"	12° 6'12"	3°50'34"	26°59'26"	3°29'32"	8°38'08"	10° 7'10"	25°26'25"	19°34'19"
T 6	18 55 36	13°48'05"	10°09'10"	6°44'00"	6°45'00"	2°15'00"	28°45'28"	12°14'12"	3°51'34"	27° 0'27"	3°30'32"	8°D38	10° 4'10"	25°33'25"	19°39'19"
W 7	18 59 32	14°45'17"	24°31'24"	8°13'00"	7°54'00"	2°47'00"	28°52'28"	12°22'12"	3°53'34"	27° 2'27"	3°31'32"	8°38'08"	10° 0'10"	25°40'25"	19°44'19"
T 8	19 3 29	15°42'30"	8°43'34"	9°41'00"	9° 4'00"	3°19'00"	28°59'28"	12°30'12"	3°54'34"	27° 4'27"	3°32'32"	8°39'08"	9°57'10"	25°46'25"	19°49'19"
F 9	19 7 25	16°39'43"	22°20'20"	11° 6'00"	10°14'00"	3°51'00"	29° 6'29"	12°37'12"	3°56'34"	27° 5'27"	3°33'32"	8°R39	9°54'10"	25°53'25"	19°54'19"
S 10	19 11 22	17°36'55"	5°34'49"	12°29'00"	11°24'00"	4°23'00"	29°14'29"	12°45'12"	3°57'34"	27° 7'27"	3°34'32"	8°38'08"	9°51'10"	26° 0'25"	19°59'19"
S 11	19 15 18	18°34'07"	19° 2'00"	13°49'00"	12°34'00"	4°56'00"	29°21'29"	12°53'12"	3°59'34"	27° 9'27"	3°35'32"	8°34'08"	9°48'10"	26° 6'25"	20° 4'19"
M 12	19 19 15	19°31'20"	2°17'00"	15° 7'00"	13°45'00"	5°29'00"	29°29'29"	13° 1'12"	4° 0'34"	27°10'27"	3°36'32"	8°28'08"	9°44'10"	26°13'25"	20° 8'19"
T 13	19 23 11	20°28'32"	14°46'14"	16°23'00"	14°55'00"	6° 2'00"	29°37'29"	13° 9'12"	4° 2'34"	27°12'27"	3°37'32"	8°21'08"	9°41'10"	26°20'25"	20°13'19"
W 14	19 27 8	21°25'45"	27°19'17"	17°37'00"	16° 5'00"	6°35'00"	29°45'29"	13°16'12"	4° 3'34"	27°13'27"	3°38'32"	8°13'08"	9°38'10"	26°26'25"	20°18'19"
T 15	19 31 5	22°22'58"	9°34'41"	18°47'00"	17°16'00"	7° 8'00"	29°53'29"	13°24'12"	4° 5'34"	27°15'27"	3°39'32"	8° 5'08"	9°35'10"	26°33'25"	20°23'19"
F 16	19 35 1	23°20'11"	21°52'21"	19°56'00"	18°26'00"	7°41'00"	0°01'00"	13°32'12"	4° 7'34"	27°16'27"	3°40'32"	7°57'08"	9°32'10"	26°40'25"	20°27'19"
S 17	19 38 58	24°17'25"	3°35'55"	21° 1'00"	19°37'00"	8°15'00"	0° 9'00"	13°40'12"	4° 9'34"	27°17'27"	3°41'32"	7°51'08"	9°29'10"	26°46'25"	20°32'19"
S 18	19 42 54	25°14'39"	15°50'22"	22° 4'00"	20°47'00"	8°48'00"	0°18'00"	13°47'12"	4°11'34"	27°19'27"	3°42'32"	7°47'08"	9°25'10"	26°53'25"	20°37'19"
M 19	19 46 51	26°11'54"	27°39'27"	23° 4'00"	21°58'00"	9°22'00"	0°26'00"	13°55'12"	4°13'34"	27°20'27"	3°43'32"	7°44'08"	9°22'10"	27° 0'25"	20°41'19"
T 20	19 50 47	27° 9'09"	9°32'26"	24° 1'00"	23° 9'00"	9°56'00"	0°35'00"	14° 3'12"	4°15'34"	27°21'27"	3°44'32"	7°D44	9°19'10"	27° 6'25"	20°46'19"
W 21	19 54 44	28° 6'25"	21°14'24"	24°55'00"	24°19'00"	10°30'00"	0°44'00"	14°10'12"	4°17'34"	27°23'27"	3°44'32"	7°45'08"	9°16'10"	27°13'25"	20°50'19"
T 22	19 58 40	29° 3'42"	3°07'00"	25°46'00"	25°30'00"	11° 4'00"	0°53'00"	14°18'12"	4°19'34"	27°24'27"	3°45'32"	7°46'08"	9°13'10"	27°19'25"	20°55'19"
F 23	20 2 37	0°01'00"	15° 9'00"	26°33'00"	26°41'00"	11°39'00"	1° 1'00"	14°25'12"	4°21'34"	27°25'27"	3°46'32"	7°48'08"	9°10'10"	27°26'25"	20°59'19"
S 24	20 6 34	0°58'18"	27°26'27"	27°17'00"	27°52'00"	12°13'00"	1°11'00"	14°33'12"	4°23'34"	27°27'27"	3°47'32"	7°R49	9° 6'10"	27°33'25"	21° 4'19"
S 25	20 10 30	1°55'38"	10° 8'00"	27°57'00"	29° 3'00"	12°48'00"	1°20'00"	14°41'12"	4°25'34"	27°28'27"	3°48'32"	7°48'08"	9° 3'10"	27°39'25"	21° 8'19"
M 26	20 14 27	2°52'58"	23° 2'00"	28°34'00"	0°05'15"	13°23'00"	1°29'00"	14°48'12"	4°27'34"	27°29'27"	3°48'32"	7°47'08"	9° 0'10"	27°46'25"	21°13'19"
T 27	20 18 23	3°50'20"	6°12'28"	29° 6'00"	1°26'00"	13°58'00"	1°38'00"	14°56'12"	4°29'34"	27°30'27"	3°49'32"	7°44'08"	8°57'10"	27°53'25"	21°17'19"
W 28	20 22 20	4°47'42"	20°23'20"	29°35'00"	2°37'00"	14°33'00"	1°48'00"	15° 3'12"	4°32'34"	27°31'27"	3°50'32"	7°40'08"	8°54'10"	27°59'25"	21°21'19"
T 29	20 26 16	5°45'06"	4°04'44"	29°59'00"	3°48'00"	15° 8'00"	1°57'00"	15°11'12"	4°34'34"	27°32'27"	3°51'32"	7°35'08"	8°50'10"	28° 6'25"	21°25'19"
F 30	20 30 13	6°42'31"	19°28'00"	0°18'18"	5° 0'00"	15°44'00"	2° 7'00"	15°18'12"	4°37'34"	27°33'27"	3°51'32"	7°31'08"	8°47'10"	28°13'25"	21°30'19"
S 31	20 34 9	7°39'56"	4°02'28"	0°33'33"	6°05'11"	16°19'00"	2°17'00"	15°26'12"	4°39'34"	27°34'27"	3°52'32"	7°27'08"	8°44'10"	28°19'25"	21°34'19"

Delta T = -5.69 sec.

AUGUST 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 38 6	8°03'7"	19°02'35"	0°14'43"	7°02'23"	16°45'55"	2°42'27"	15°03'33"	4°41'44"	27°35'35"	3°53'53"	7°R25	8°14'41"	28°26'28"	21°11'38"
M 2	20 42 3	9°34'50"	4°14'41"	0°R48	8°34'00"	17°31'00"	2°36'00"	15°40'00"	4°44'44"	27°36'35"	3°53'53"	7°D24	8°38'41"	28°33'28"	21°42'19"
T 3	20 45 59	10°32'18"	19°36'00"	0°48'00"	9°46'00"	18° 7'00"	2°46'00"	15°48'00"	4°46'44"	27°37'35"	3°54'53"	7°14'24"	8°35'41"	28°39'28"	21°46'19"
W 4	20 49 56	11°29'47"	4°41'13"	0°43'00"	10°58'00"	18°43'00"	2°57'00"	15°55'00"	4°49'44"	27°38'35"	3°55'53"	7°25'08"	8°31'41"	28°46'28"	21°50'19"
T 5	20 53 52	12°27'16"	18°29'00"	0°32'00"	12°10'00"	19°19'00"	3° 7'00"	16° 2'00"	4°52'44"	27°39'35"	3°55'53"	7°27'08"	8°28'41"	28°53'28"	21°54'19"
F 6	20 57 49	13°24'46"	2°14'22"	0°16'00"	13°21'00"	19°55'00"	3°17'00"	16°10'00"	4°54'44"	27°40'35"	3°56'53"	7°28'08"	8°25'41"	28°59'28"	21°58'19"
S 7	21 1 45	14°22'17"	15°52'29"	0°55'55"	14°33'00"	20°32'00"	3°27'00"	16°17'00"	4°57'44"	27°41'35"	3°56'53"	7°R28	8°22'41"	29° 6'22"	22° 2'19"
S 8	21 5 42	15°19'49"	29° 0'00"	29°28'00"	15°45'00"	21° 8'00"	3°38'00"	16°24'00"	5° 0'44"	27°41'35"	3°57'53"	7°27'08"	8°19'41"	29°12'22"	22° 5'19"
M 9	21 9 38	16°17'22"	11°17'50"	28°57'00"	16°57'00"	21°45'00"	3°48'00"	16°31'00"	5° 3'44"	27°42'35"	3°57'53"	7°26'08"	8°16'41"	29°19'22"	22° 9'19"
T 10	21 13 35	17°14'55"	24°23'28"	28°21'00"	18° 9'00"	22°22'00"	3°59'00"	16°38'00"	5° 5'44"	27°43'35"	3°58'53"	7°23'08"	8°12'41"	29°26'22"	22°13'19"
W 11	21 17 32	18°12'30"	6°34'42"	27°41'00"	19°21'00"	22°59'00"	4°10'00"	16°45'00"	5° 8'44"	27°44'35"	3°58'53"	7°21'08"	8° 9'41"	29°32'22"	22°16'19"
T 12	21 21 28	19°10'05"	18°51'00"	26°57'00"	20°34'00"	23°36'00"	4°20'00"	16°52'00"	5°11'44"	27°44'35"	3°59'53"	7°18'08"	8° 6'41"	29°39'22"	22°20'19"
F 13	21 25 25	20° 7'42"	0°35'51"	26°10'00"	21°46'00"	24°13'00"	4°31'00"	16°59'00"	5°14'44"	27°45'35"	3°59'53"	7°15'08"	8° 3'41"	29°46'22"	22°23'19"
S 14	21 29 21	21° 5'20"	12°45'25"	25°21'00"	22°58'00"	24°50'00"	4°42'00"	17° 6'00"	5°17'44"	27°46'35"	4° 0'53"	7°13'08"	8° 0'41"	29°52'22"	22°27'19"
S 15	21 33 18	22° 2'59"	24°35'24"	24°30'00"	24°10'00"	25°28'00"	4°53'00"	17°13'00"	5°20'44"	27°46'35"	4° 0'53"	7°12'08"	7°56'41"	29°59'22"	22°30'19"
M 16	21 37 14	23° 0'39"	6°32'23"	23°39'00"	25°23'00"	26° 5'00"	5° 4'00"	17°20'00"	5°23'44"	27°47'35"	4° 1'53"	7°D12	7°53'41"	0°12'22"	22°34'19"
T 17	21 41 11	23°58'20"	18°10'22"	22°48'00"	26°35'00"	26°43'00"	5°15'00"	17°27'00"	5°26'44"	27°47'35"	4° 1'53"	7°12'08"	7°50'41"	0°12'22"	22°37'19"
W 18	21 45 7	24°56'03"	0°07'00"	21°59'00"	27°48'00"	27°21'00"	5°26'00"	17°34'00"	5°29'44"	27°48'35"	4° 1'53"	7°13'08"	7°47'41"	0°19'22"	22°40'19"
T 19	21 49 4	25°53'48"	11°58'21"	21°13'00"	29° 0'00"	27°58'00"	5°38'00"	17°40'00"	5°32'44"	27°48'35"	4° 2'53"	7°14'08"	7°44'41"	0°26'22"	22°43'19"
F 20	21 53 0	26°51'34"	24° 4'20"	20°30'00"	0°01'13"	28°36'00"	5°49'00"	17°47'00"	5°35'44"	27°48'35"	4° 2'53"	7°15'08"	7°41'41"	0°32'22"	22°46'19"
S 21	21 56 57	27°49'22"	6°34'23"	19°51'00"	1°26'00"	29°14'00"	6° 0'00"	17°54'00"	5°38'44"	27°49'35"	4° 2'53"	7°16'08"	7°37'41"	0°39'22"	22°49'19"
S 22	22 0 54	28°47'11"	18°59'18"	19°18'00"	2°38'00"	29°53'00"	6°12'00"	18° 0'00"	5°42'44"	27°49'35"	4° 3'53"	7°16'08"	7°34'41"	0°46'22"	22°52'19"
M 23	22 4 50	29°45'02"	1°11'55"	18°51'00"	3°51'00"	0°11'31"	6°23'00"	18° 7'00"	5°45'44"	27°49'35"	4° 3'53"	7°R16	7°31'41"	0°52'22"	22°55'19"
T 24	22 8 47	0°14'25"	15°16'18"	18°30'00"	5° 4'00"	1° 9'00"	6°35'00"	18°13'00"	5°48'44"	27°50'35"	4° 3'53"	7°16'08"	7°28'41"	0°59'22"	22°58'19"
W 25	22 12 43	1°40'50"	29° 1'18"	18°17'00"	6°17'00"	1°48'00"	6°46'00"	18°20'00"	5°51'44"	27°50'35"	4° 3'53"	7°16'08"	7°25'41"	1° 5'23"	23° 1'19"
T 26	22 16 40	2°38'47"	13°01'13"	18°D12	7°30'00"	2°26'00"	6°58'00"	18°26'00"	5°55'44"	27°50'35"	4° 3'53"	7°15'08"	7°21'41"	1°12'23"	23° 4'19"
F 27	22 20 36	3°36'46"	27°50'18"	18°14'00"	8°43'00"	3° 5'00"	7°10'00"	18°32'00"	5°58'44"	27°50'35"	4° 4'53"	7°15'08"	7°18'41"	1°19'23"	23° 7'19"
S 28	22 24 33	4°34'46"	12°02'46"	18°25'00"	9°56'00"	3°44'00"	7°22'00"	18°39'00"	6° 1'44"						

SWISS EPHEMERIS for the year 1886

SEPTEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 40 19	8 ^h 27'03"	13 ^h 1	20 ^h 30	14 ^h 49	6 ^h 21	8 ^h 9	19 ^h 3	6 ^h 15	27 ^h R51	4 ^h II 4	7 ^h R14	7 ^h 2	1 ^h 52	23 ^h II19
T 2	22 44 16	9 ^h 25'11"	27 ^h 30	21 ^h 21	16 ^h 2	7 ^h 0	8 ^h 22	19 ^h 9	6 ^h 18	27 ^h 51	4 ^h 4	7 ^h 14	6 ^h 59	1 ^h 59	23 ^h 21
F 3	22 48 12	10 ^h 23'21"	11 ^h 34	22 ^h 20	17 ^h 16	7 ^h 39	8 ^h 34	19 ^h 15	6 ^h 22	27 ^h 50	4 ^h R 4	7 ^h 14	6 ^h 56	2 ^h 5	23 ^h 24
S 4	22 52 9	11 ^h 21'32"	25 ^h 12	23 ^h 25	18 ^h 29	8 ^h 19	8 ^h 46	19 ^h 21	6 ^h 25	27 ^h 50	4 ^h 4	7 ^h 13	6 ^h 53	2 ^h 12	23 ^h 26
S 5	22 56 5	12 ^h 19'45"	8 ^h 23	24 ^h 37	19 ^h 42	8 ^h 59	8 ^h 58	19 ^h 26	6 ^h 29	27 ^h 50	4 ^h 4	7 ^h D13	6 ^h 50	2 ^h 19	23 ^h 28
M 6	23 0 2	13 ^h 17'59"	21 ^h 11	25 ^h 55	20 ^h 56	9 ^h 38	9 ^h 10	19 ^h 32	6 ^h 33	27 ^h 50	4 ^h 4	7 ^h 13	6 ^h 47	2 ^h 25	23 ^h 30
T 7	23 3 58	14 ^h 16'15"	3 ^h 39	27 ^h 19	22 ^h 9	10 ^h 18	9 ^h 23	19 ^h 38	6 ^h 36	27 ^h 50	4 ^h 4	7 ^h 14	6 ^h 43	2 ^h 32	23 ^h 32
W 8	23 7 55	15 ^h 14'32"	15 ^h 52	28 ^h 48	23 ^h 23	10 ^h 58	9 ^h 35	19 ^h 43	6 ^h 40	27 ^h 50	4 ^h 4	7 ^h 14	6 ^h 40	2 ^h 38	23 ^h 34
T 9	23 11 52	16 ^h 12'50"	27 ^h 53	0 ^h 21	24 ^h 37	11 ^h 38	9 ^h 47	19 ^h 49	6 ^h 43	27 ^h 49	4 ^h 4	7 ^h 15	6 ^h 37	2 ^h 45	23 ^h 35
F 10	23 15 48	17 ^h 11'11"	9 ^h 46	1 ^h 58	25 ^h 50	12 ^h 19	10 ^h 0	19 ^h 54	6 ^h 47	27 ^h 49	4 ^h 4	7 ^h 16	6 ^h 34	2 ^h 52	23 ^h 37
S 11	23 19 45	18 ^h 9'33"	21 ^h 35	3 ^h 39	27 ^h 4	12 ^h 59	10 ^h 12	19 ^h 59	6 ^h 51	27 ^h 49	4 ^h 4	7 ^h 17	6 ^h 31	2 ^h 58	23 ^h 39
S 12	23 23 41	19 ^h 7'56"	3 ^h 23	5 ^h 22	28 ^h 18	13 ^h 39	10 ^h 25	20 ^h 5	6 ^h 54	27 ^h 48	4 ^h 3	7 ^h R17	6 ^h 27	3 ^h 5	23 ^h 40
M13	23 27 38	20 ^h 6'22"	15 ^h 11	7 ^h 8	29 ^h 32	14 ^h 20	10 ^h 37	20 ^h 10	6 ^h 58	27 ^h 48	4 ^h 3	7 ^h 17	6 ^h 24	3 ^h 12	23 ^h 42
T 14	23 31 34	21 ^h 4'49"	27 ^h 4	8 ^h 56	0 ^h 46	15 ^h 0	10 ^h 50	20 ^h 15	7 ^h 2	27 ^h 48	4 ^h 3	7 ^h 16	6 ^h 21	3 ^h 18	23 ^h 43
W15	23 35 31	22 ^h 3'18"	9 ^h 3	10 ^h 45	2 ^h 0	15 ^h 41	11 ^h 2	20 ^h 20	7 ^h 5	27 ^h 47	4 ^h 3	7 ^h 15	6 ^h 18	3 ^h 25	23 ^h 45
T 16	23 39 27	23 ^h 1'49"	21 ^h 9	12 ^h 35	3 ^h 13	16 ^h 22	11 ^h 15	20 ^h 25	7 ^h 9	27 ^h 47	4 ^h 2	7 ^h 13	6 ^h 15	3 ^h 32	23 ^h 46
F 17	23 43 24	24 ^h 0'22"	3 ^h 25	14 ^h 26	4 ^h 27	17 ^h 2	11 ^h 27	20 ^h 30	7 ^h 13	27 ^h 46	4 ^h 2	7 ^h 10	6 ^h 12	3 ^h 38	23 ^h 47
S 18	23 47 21	24 ^h 58'58"	15 ^h 53	16 ^h 18	5 ^h 42	17 ^h 43	11 ^h 40	20 ^h 34	7 ^h 16	27 ^h 46	4 ^h 2	7 ^h 8	6 ^h 8	3 ^h 45	23 ^h 48
S 19	23 51 17	25 ^h 57'35"	28 ^h 34	18 ^h 10	6 ^h 56	18 ^h 24	11 ^h 53	20 ^h 39	7 ^h 20	27 ^h 45	4 ^h 2	7 ^h 6	6 ^h 5	3 ^h 52	23 ^h 49
M20	23 55 14	26 ^h 56'15"	11 ^h 33	20 ^h 1	8 ^h 10	19 ^h 5	12 ^h 6	20 ^h 44	7 ^h 24	27 ^h 44	4 ^h 1	7 ^h 4	6 ^h 2	3 ^h 58	23 ^h 50
T 21	23 59 10	27 ^h 54'57"	24 ^h 49	21 ^h 53	9 ^h 24	19 ^h 47	12 ^h 18	20 ^h 48	7 ^h 28	27 ^h 44	4 ^h 1	7 ^h D 3	5 ^h 59	4 ^h 5	23 ^h 51
W22	0 3 7	28 ^h 53'41"	8 ^h 27	23 ^h 44	10 ^h 38	20 ^h 28	12 ^h 31	20 ^h 53	7 ^h 31	27 ^h 43	4 ^h 1	7 ^h 3	5 ^h 56	4 ^h 11	23 ^h 52
T 23	0 7 3	29 ^h 52'28"	22 ^h 26	25 ^h 35	11 ^h 52	21 ^h 9	12 ^h 44	20 ^h 57	7 ^h 35	27 ^h 42	4 ^h 0	7 ^h 4	5 ^h 52	4 ^h 18	23 ^h 53
F 24	0 11 0	0 ^h 51'17"	6 ^h 46	27 ^h 26	13 ^h 7	21 ^h 51	12 ^h 57	21 ^h 1	7 ^h 39	27 ^h 42	4 ^h 0	7 ^h 6	5 ^h 49	4 ^h 25	23 ^h 53
S 25	0 14 56	1 ^h 50'08"	21 ^h 25	29 ^h 15	14 ^h 21	22 ^h 32	13 ^h 10	21 ^h 6	7 ^h 43	27 ^h 41	3 ^h 59	7 ^h 7	5 ^h 46	4 ^h 31	23 ^h 54
S 26	0 18 53	2 ^h 49'01"	6 ^h 18	1 ^h 4	15 ^h 35	23 ^h 14	13 ^h 22	21 ^h 10	7 ^h 46	27 ^h 40	3 ^h 59	7 ^h R 8	5 ^h 43	4 ^h 38	23 ^h 55
M27	0 22 49	3 ^h 47'56"	21 ^h 20	2 ^h 52	16 ^h 50	23 ^h 56	13 ^h 35	21 ^h 14	7 ^h 50	27 ^h 39	3 ^h 58	7 ^h 7	5 ^h 40	4 ^h 45	23 ^h 55
T 28	0 26 46	4 ^h 46'54"	6 ^h 21	4 ^h 40	18 ^h 4	24 ^h 38	13 ^h 48	21 ^h 18	7 ^h 54	27 ^h 38	3 ^h 58	7 ^h 5	5 ^h 37	4 ^h 51	23 ^h 55
W29	0 30 43	5 ^h 45'53"	21 ^h 13	6 ^h 26	19 ^h 19	25 ^h 19	14 ^h 1	21 ^h 21	7 ^h 58	27 ^h 37	3 ^h 57	7 ^h 2	5 ^h 33	4 ^h 58	23 ^h 56
T 30	0 34 39	6 ^h 44'55"	5 ^h 47	8 ^h 22	20 ^h 33	26 ^h 11	14 ^h 14	21 ^h 25	8 ^h 1	27 ^h 36	3 ^h 57	6 ^h 58	5 ^h 29	5 ^h 45	23 ^h 56

Delta T = -5.69 sec.

OCTOBER 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 38 36	7 ^h 43'58"	19 ^h 59	9 ^h 57	21 ^h 48	26 ^h 44	14 ^h 27	21 ^h 29	8 ^h 5	27 ^h R36	3 ^h R56	6 ^h R53	5 ^h 27	5 ^h 11	23 ^h II56
S 2	0 42 32	8 ^h 43'03"	3 ^h 43	11 ^h 41	23 ^h 2	27 ^h 26	14 ^h 40	21 ^h 32	8 ^h 9	27 ^h 35	3 ^h II56	6 ^h 49	5 ^h 24	5 ^h 18	23 ^h R56
S 3	0 46 29	9 ^h 42'10"	17 ^h 1	13 ^h 24	24 ^h 17	28 ^h 8	14 ^h 53	21 ^h 36	8 ^h 13	27 ^h 34	3 ^h 55	6 ^h 45	5 ^h 21	5 ^h 25	23 ^h 56
M 4	0 50 25	10 ^h 41'19"	29 ^h 52	15 ^h 6	25 ^h 32	28 ^h 50	15 ^h 6	21 ^h 39	8 ^h 17	27 ^h 33	3 ^h 54	6 ^h 43	5 ^h 18	5 ^h 31	23 ^h 56
T 5	0 54 22	11 ^h 40'30"	12 ^h 31	16 ^h 48	26 ^h 46	29 ^h 33	15 ^h 19	21 ^h 42	8 ^h 20	27 ^h 32	3 ^h 54	6 ^h D43	5 ^h 14	5 ^h 38	23 ^h 56
W 6	0 58 18	12 ^h 39'42"	24 ^h 33	18 ^h 29	28 ^h 1	0 ^h 15	15 ^h 32	21 ^h 46	8 ^h 24	27 ^h 30	3 ^h 53	6 ^h 43	5 ^h 11	5 ^h 45	23 ^h 55
T 7	1 2 15	13 ^h 38'56"	6 ^h 31	20 ^h 8	29 ^h 16	0 ^h 58	15 ^h 45	21 ^h 49	8 ^h 28	27 ^h 29	3 ^h 53	6 ^h 45	5 ^h 8	5 ^h 51	23 ^h 55
F 8	1 6 12	14 ^h 38'12"	18 ^h 21	21 ^h 48	0 ^h 30	1 ^h 41	15 ^h 58	21 ^h 52	8 ^h 32	27 ^h 28	3 ^h 52	6 ^h 47	5 ^h 5	5 ^h 58	23 ^h 55
S 9	1 10 8	15 ^h 37'30"	0 ^h 9	23 ^h 26	1 ^h 45	2 ^h 23	16 ^h 11	21 ^h 54	8 ^h 36	27 ^h 27	3 ^h 51	6 ^h 48	5 ^h 2	6 ^h 4	23 ^h 54
S 10	1 14 5	16 ^h 36'49"	11 ^h 57	25 ^h 4	3 ^h 0	3 ^h 6	16 ^h 24	21 ^h 57	8 ^h 39	27 ^h 26	3 ^h 50	6 ^h R48	4 ^h 58	6 ^h 11	23 ^h 54
M11	1 18 1	17 ^h 36'10"	23 ^h 49	26 ^h 40	4 ^h 15	3 ^h 49	16 ^h 37	22 ^h 0	8 ^h 43	27 ^h 25	3 ^h 50	6 ^h 46	4 ^h 55	6 ^h 18	23 ^h 53
T 12	1 21 58	18 ^h 35'34"	5 ^h 50	28 ^h 17	5 ^h 30	4 ^h 32	16 ^h 50	22 ^h 2	8 ^h 47	27 ^h 23	3 ^h 49	6 ^h 43	4 ^h 52	6 ^h 24	23 ^h 52
W13	1 25 54	19 ^h 34'59"	17 ^h 59	29 ^h 52	6 ^h 45	5 ^h 15	17 ^h 3	22 ^h 5	8 ^h 51	27 ^h 22	3 ^h 48	6 ^h 37	4 ^h 49	6 ^h 31	23 ^h 51
T 14	1 29 51	20 ^h 34'26"	0 ^h 20	1 ^h 27	7 ^h 59	5 ^h 58	17 ^h 16	22 ^h 7	8 ^h 54	27 ^h 21	3 ^h 47	6 ^h 30	4 ^h 46	6 ^h 38	23 ^h 50
F 15	1 33 47	21 ^h 33'56"	12 ^h 52	3 ^h 1	9 ^h 14	6 ^h 41	17 ^h 29	22 ^h 10	8 ^h 58	27 ^h 20	3 ^h 47	6 ^h 22	4 ^h 43	6 ^h 44	23 ^h 49
S 16	1 37 44	22 ^h 33'27"	25 ^h 37	4 ^h 35	10 ^h 29	7 ^h 25	17 ^h 42	22 ^h 12	9 ^h 2	27 ^h 18	3 ^h 46	6 ^h 14	4 ^h 39	6 ^h 51	23 ^h 48
S 17	1 41 41	23 ^h 33'01"	8 ^h II 34	6 ^h 8	11 ^h 44	8 ^h 8	17 ^h 55	22 ^h 14	9 ^h 5	27 ^h 17	3 ^h 45	6 ^h 6	4 ^h 36	6 ^h 58	23 ^h 47
M18	1 45 37	24 ^h 32'37"	21 ^h 43	7 ^h 40	12 ^h 59	8 ^h 52	18 ^h 8	22 ^h 16	9 ^h 9	27 ^h 16	3 ^h 44	6 ^h 0	4 ^h 33	7 ^h 4	23 ^h 46
T 19	1 49 34	25 ^h 32'15"	5 ^h 26	9 ^h 11	14 ^h 14	9 ^h 35									

SWISS EPHEMERIS for the year 1886

NOVEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	2 40 49	8♍30'51	7♄57	28♌ 6	0♈31	19♌ 8	21♌ 8	22♄31	9♎59	26°R55	3°R31	4°R56	3♎49	8♋37	23°R22
T 2	2 44 45	9°30'57	20°28	29°28	1°47	19°52	21°21	22°31	10° 3	26♄53	3♎30	4♎52	3°45	8°44	23♎19
W 3	2 48 42	10°31'06	2♌41	0♌49	1° 2	20°37	21°33	22°32	10° 6	26°52	3°29	4°50	3°42	8°51	23°17
T 4	2 52 39	11°31'15	14°40	2°10	4°17	21°22	21°46	22°R32	10°10	26°50	3°28	4°D49	3°39	8°57	23°15
F 5	2 56 35	12°31'27	26°30	3°29	5°33	22° 6	21°59	22°32	10°13	26°48	3°27	4°50	3°36	9° 4	23°12
S 6	3 0 32	13°31'39	8♋17	4°46	6°48	22°51	22°11	22°31	10°16	26°47	3°26	4°R50	3°33	9°10	23°10
S 7	3 4 28	14°31'53	20° 7	6° 3	8° 3	23°36	22°24	22°31	10°20	26°45	3°25	4°49	3°29	9°17	23° 7
M 8	3 8 25	15°32'09	2♎7	7°18	9°19	24°21	22°36	22°31	10°23	26°43	3°24	4°46	3°26	9°24	23° 4
T 9	3 12 21	16°32'27	14°11	8°31	10°34	25° 6	22°49	22°30	10°26	26°42	3°23	4°39	3°23	9°30	23° 2
W10	3 16 18	17°32'45	26°32	9°42	11°49	25°51	23° 1	22°29	10°29	26°40	3°22	4°31	3°20	9°37	22°59
T 11	3 20 14	18°33'06	9♄ 8	10°51	13° 5	26°36	23°14	22°29	10°32	26°38	3°21	4°19	3°17	9°44	22°56
F 12	3 24 11	19°33'28	22° 0	11°58	14°20	27°21	23°26	22°28	10°36	26°37	3°20	4° 7	3°14	9°50	22°53
S 13	3 28 7	20°33'52	5♎ 6	13° 2	15°35	28° 6	23°38	22°27	10°39	26°35	3°18	3°54	3°10	9°57	22°50
S 14	3 32 4	21°34'17	18°26	14° 3	16°51	28°52	23°51	22°26	10°42	26°33	3°17	3°42	3° 7	10° 4	22°47
M15	3 36 1	22°34'45	1♄57	15° 1	18° 6	29°37	24° 3	22°25	10°45	26°32	3°16	3°31	3° 4	10°10	22°44
T 16	3 39 57	23°35'14	15°38	15°54	19°22	0♄22	24°15	22°23	10°48	26°30	3°15	3°24	3° 1	10°17	22°41
W17	3 43 54	24°35'45	29°25	16°44	20°37	1° 8	24°27	22°22	10°51	26°28	3°14	3°20	2°58	10°24	22°38
T 18	3 47 50	25°36'18	13♎20	17°28	21°52	1°53	24°39	22°20	10°54	26°27	3°13	3°18	2°55	10°30	22°35
F 19	3 51 47	26°36'52	27°20	18° 7	23° 8	2°39	24°51	22°19	10°57	26°25	3°12	3°17	2°51	10°37	22°32
S 20	3 55 43	27°37'28	11♎26	18°39	24°23	3°24	25° 3	22°17	11° 0	26°23	3°11	3°17	2°48	10°44	22°29
S 21	3 59 40	28°38'06	25°37	19° 5	25°39	4°10	25°15	22°15	11° 3	26°22	3°10	3°16	2°45	10°50	22°25
M22	4 3 36	29°38'46	9♎51	19°22	26°54	4°56	25°27	22°13	11° 6	26°20	3° 8	3°12	2°42	10°57	22°22
T 23	4 7 33	0♌39'27	24° 6	19°R31	28°10	5°42	25°39	22°11	11° 8	26°18	3° 7	3° 6	2°39	11° 3	22°19
W24	4 11 30	1°40'10	8♌18	19°31	29°25	6°28	25°50	22° 9	11°11	26°16	3° 6	2°57	2°35	11°10	22°15
T 25	4 15 26	2°40'54	22°21	19°21	0♌40	7°13	26° 2	22° 7	11°14	26°15	3° 5	2°45	2°32	11°17	22°12
F 26	4 19 23	3°41'40	6♌11	19° 0	1°56	7°59	26°14	22° 4	11°17	26°13	3° 4	2°32	2°29	11°23	22° 8
S 27	4 23 19	4°42'27	19°43	18°29	3°11	8°45	26°25	22° 2	11°19	26°11	3° 3	2°19	2°26	11°30	22° 5
S 28	4 27 16	5°43'16	2♄55	17°46	4°27	9°31	26°37	21°59	11°22	26°10	3° 2	2° 7	2°23	11°37	22° 1
M29	4 31 12	6°44'05	15°46	16°53	5°42	10°18	26°48	21°57	11°24	26° 8	3° 0	1°57	2°20	11°43	21°57
T 30	4 35 9	7°44'56	28♄16	15♌50	6♌58	11♄ 4	26°59	21♄54	11♎27	26♄ 6	2♎59	1♎51	2♎16	11♋50	21♎54

Delta T = -5.71 sec.

DECEMBER 1886

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	4 39 6	8♌45'47	10♌29	14°R39	8♌13	11♄50	27°11	21°R51	11♎29	26°R 5	2°R58	1°R47	2♎13	11♋57	21°R50
T 2	4 43 2	9°46'39	22°28	13♌21	9°29	12°36	27°22	21♄48	11°32	26♄ 3	2♎57	1♎45	2°10	12° 3	21♎47
F 3	4 46 59	10°47'32	4♋19	11°59	10°44	13°22	27°33	21°45	11°34	26° 2	2°56	1°45	2° 7	12°10	21°43
S 4	4 50 55	11°48'26	16° 7	10°37	12° 0	14° 9	27°44	21°42	11°36	26° 0	2°55	1°45	2° 4	12°17	21°39
S 5	4 54 52	12°49'20	27°57	9°15	13°15	14°55	27°55	21°39	11°39	25°58	2°54	1°44	2° 1	12°23	21°35
M 6	4 58 48	13°50'16	9♎55	7°58	14°31	15°41	28° 6	21°36	11°41	25°57	2°53	1°41	1°57	12°30	21°32
T 7	5 2 45	14°51'12	22° 5	6°47	15°46	16°28	28°17	21°32	11°43	25°55	2°51	1°36	1°54	12°37	21°28
W 8	5 6 41	15°52'08	4♄33	5°46	17° 2	17°14	28°28	21°29	11°45	25°54	2°50	1°28	1°51	12°43	21°24
T 9	5 10 38	16°53'06	17°20	4°54	18°17	18° 1	28°38	21°25	11°48	25°52	2°49	1°17	1°48	12°50	21°20
F 10	5 14 34	17°54'04	0♎27	4°13	19°33	18°47	28°49	21°22	11°50	25°50	2°48	1° 5	1°45	12°56	21°17
S 11	5 18 31	18°55'03	13°55	3°43	20°48	19°34	28°59	21°18	11°52	25°49	2°47	0°53	1°41	13° 3	21°13
S 12	5 22 28	19°56'03	27°39	3°24	22° 4	20°21	29°10	21°14	11°54	25°47	2°46	0°41	1°38	13°10	21° 9
M13	5 26 24	20°57'04	11♄37	3°D17	23°19	21° 7	29°20	21°10	11°56	25°46	2°45	0°31	1°35	13°16	21° 5
T 14	5 30 21	21°58'05	25°44	3°19	24°35	21°54	29°30	21° 6	11°57	25°44	2°44	0°24	1°32	13°23	21° 2
W15	5 34 17	22°59'08	9♎55	3°31	25°50	22°41	29°40	21° 2	11°59	25°43	2°43	0°20	1°29	13°30	20°58
T 16	5 38 14	24° 0'11	24° 7	3°52	27° 6	23°28	29°50	20°58	12° 1	25°41	2°42	0°D18	1°26	13°36	20°54
F 17	5 42 10	25° 1'15	8♎18	4°21	28°21	24°14	0♎ 0	20°54	12° 3	25°40	2°41	0°18	1°22	13°43	20°50
S 18	5 46 7	26° 2'20	22°25	4°56	29°36	25° 1	0°10	20°50	12° 4	25°39	2°40	0°R19	1°19	13°50	20°46
S 19	5 50 4	27° 3'26	6♎28	5°38	0♄52	25°48	0°20	20°46	12° 6	25°37	2°39	0°18	1°16	13°56	20°43
M20	5 54 0	28° 4'32	20°26	6°26	2° 7	26°35	0°29	20°41	12° 8	25°36	2°38	0°16	1°13	14° 3	20°39
T 21	5 57 57	29° 5'40	4♎18	7°18	3°23	27°22	0°39	20°37	12° 9	25°34	2°37	0°12	1°10	14°10	20°35
W22	6 1 53	0♄ 6'48	18° 3	8°15	4°38	28° 9	0°48	20°32	12°11	25°33	2°36	0° 4	1° 7	14°16	20°31
T 23	6 5 50	1° 7'57	1♌39	9°16	5°54	28°56	0°57	20°28	12°12	25°32	2°35	29♎55	1° 3	14°23	20°28
F 24	6 9 46	2° 9'06	15° 3	10°20	7° 9	29°43	1° 7	20°23	12°13	25°30	2°34	29°44	1° 0	14°30	20°24
S 25	6 13 43	3°10'16	28°13	11°27	8°25	0♌30	1°16	20°19	12°15	25°29	2°33	29°34	0°57	14°36	20°20
S 26	6 17 39	4°11'26	11♄ 8	12°37	9°40	1°17	1°25	20°14	12°16	25°28	2°32	29°24	0°54	14°43	20°16
M27	6 21 36	5°12'36	23°47	13°49	10°56	2° 4	1°33	20° 9	12°17	25°27	2°31	29°16	0°51	14°49	20°13
T 28	6 25 33	6°13'46	6♎10	15° 3	12°11	2°51	1°42	20° 5	12°18	25°25	2°30	29°11	0°47	14°56	20° 9
W29	6 29 29	7°14'57	18°19	16°19	13°27	3°38	1°51	20° 0	12°19	25°24	2°29	29° 8	0°44	15° 3	20° 6
T 30	6 33 26	8°16'07	0♋17	17°37	14°42	4°26	1°59	19°55	12°20	25°23	2°28	29°D 7	0°41	15° 9	20° 2
F 31	6 37 22	9♄17'17	12♋ 7	18♌56	15♄58	5♌13	2♎ 8	19♄50	12♎21	25♄22	2♎27	29♎ 8	0♎38	15♋16	19♎59

Delta T = -5.71 sec.

created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]