

SWISS EPHEMERIS for the year 1897

MARCH 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	10 36 14	10 ^h 41'55	11 ^h 22'	17 ^h 8	26 ^h 39	21 ^h 6	4 ^h 34	0 ^h 42	29 ^h 2	17 ^h 30	11 ^h 45	15 ^h 13	14 ^h 1	8 ^h 57	13 ^h 59
T 2	10 40 10	11 ^h 42'06	24 ^h 16	18 ^h 33	27 ^h 32	21 ^h 29	4 ^h 26	0 ^h 43	29 ^h 2	17 ^h 30	11 ^h 45	15 ^h 13	13 ^h 58	9 ^h 4	13 ^h 58
W 3	10 44 7	12 ^h 42'15	6 ^h 58	19 ^h 59	28 ^h 25	21 ^h 52	4 ^h 18	0 ^h 44	29 ^h 3	17 ^h 30	11 ^h 45	15 ^h 11	13 ^h 55	9 ^h 11	13 ^h 58
T 4	10 48 3	13 ^h 42'22	19 ^h 28	21 ^h 26	29 ^h 17	22 ^h 16	4 ^h 11	0 ^h 44	29 ^h 3	17 ^h 30	11 ^h 45	15 ^h 8	13 ^h 52	9 ^h 17	13 ^h 57
F 5	10 52 0	14 ^h 42'27	1 ^h 47	22 ^h 54	0 ^h 8	22 ^h 39	4 ^h 3	0 ^h 45	29 ^h 3	17 ^h 30	11 ^h 46	15 ^h 3	13 ^h 49	9 ^h 24	13 ^h 56
S 6	10 55 56	15 ^h 42'30	13 ^h 57	24 ^h 23	0 ^h 58	23 ^h 3	3 ^h 55	0 ^h 45	29 ^h 2	17 ^h 31	11 ^h 46	14 ^h 58	13 ^h 45	9 ^h 31	13 ^h 55
S 7	10 59 53	16 ^h 42'31	25 ^h 58	25 ^h 54	1 ^h 47	23 ^h 28	3 ^h 48	0 ^h 46	29 ^h 2	17 ^h 31	11 ^h 46	14 ^h 52	13 ^h 42	9 ^h 38	13 ^h 54
M 8	11 3 49	17 ^h 42'30	7 ^h 53	27 ^h 26	2 ^h 36	23 ^h 52	3 ^h 40	0 ^h 46	29 ^h 2	17 ^h 31	11 ^h 46	14 ^h 46	13 ^h 39	9 ^h 44	13 ^h 53
T 9	11 7 46	18 ^h 42'27	19 ^h 45	28 ^h 59	3 ^h 24	24 ^h 17	3 ^h 33	0 ^h 46	29 ^h 2	17 ^h 32	11 ^h 47	14 ^h 42	13 ^h 36	9 ^h 51	13 ^h 52
W10	11 11 43	19 ^h 42'22	1 ^h 37	0 ^h 34	4 ^h 11	24 ^h 42	3 ^h 25	0 ^h 46	29 ^h 1	17 ^h 32	11 ^h 47	14 ^h 38	13 ^h 33	9 ^h 58	13 ^h 50
T 11	11 15 39	20 ^h 42'15	13 ^h 34	2 ^h 9	4 ^h 57	25 ^h 7	3 ^h 18	0 ^h 46	29 ^h 1	17 ^h 32	11 ^h 47	14 ^h 37	13 ^h 29	10 ^h 4	13 ^h 49
F 12	11 19 36	21 ^h 42'05	25 ^h 40	3 ^h 46	5 ^h 42	25 ^h 33	3 ^h 11	0 ^h 46	29 ^h 1	17 ^h 33	11 ^h 48	14 ^h D36	13 ^h 26	10 ^h 11	13 ^h 47
S 13	11 23 32	22 ^h 41'54	8 ^h 1	5 ^h 24	6 ^h 25	25 ^h 59	3 ^h 4	0 ^h 45	29 ^h 0	17 ^h 33	11 ^h 48	14 ^h 37	13 ^h 23	10 ^h 18	13 ^h 46
S 14	11 27 29	23 ^h 41'40	20 ^h 40	7 ^h 3	7 ^h 8	26 ^h 24	2 ^h 57	0 ^h 45	29 ^h 0	17 ^h 34	11 ^h 48	14 ^h 39	13 ^h 20	10 ^h 25	13 ^h 44
M15	11 31 25	24 ^h 41'24	3 ^h 42	8 ^h 43	7 ^h 50	26 ^h 51	2 ^h 50	0 ^h 45	28 ^h 59	17 ^h 34	11 ^h 49	14 ^h 40	13 ^h 17	10 ^h 31	13 ^h 42
T 16	11 35 22	25 ^h 41'05	17 ^h 11	10 ^h 24	8 ^h 31	27 ^h 17	2 ^h 43	0 ^h 44	28 ^h 58	17 ^h 35	11 ^h 49	14 ^h R41	13 ^h 14	10 ^h 38	13 ^h 40
W17	11 39 18	26 ^h 40'44	1 ^h 11	12 ^h 7	9 ^h 10	27 ^h 44	2 ^h 37	0 ^h 43	28 ^h 58	17 ^h 36	11 ^h 50	14 ^h 40	13 ^h 10	10 ^h 45	13 ^h 38
T 18	11 43 15	27 ^h 40'21	15 ^h 26	13 ^h 51	9 ^h 49	28 ^h 10	2 ^h 30	0 ^h 43	28 ^h 57	17 ^h 36	11 ^h 50	14 ^h 36	13 ^h 7	10 ^h 52	13 ^h 35
F 19	11 47 12	28 ^h 39'56	0 ^h 58	15 ^h 36	10 ^h 26	28 ^h 37	2 ^h 24	0 ^h 42	28 ^h 56	17 ^h 37	11 ^h 51	14 ^h 31	13 ^h 4	10 ^h 58	13 ^h 33
S 20	11 51 8	29 ^h 39'29	15 ^h 3	17 ^h 22	11 ^h 1	29 ^h 5	2 ^h 17	0 ^h 41	28 ^h 55	17 ^h 38	11 ^h 51	14 ^h 25	13 ^h 1	11 ^h 5	13 ^h 31
S 21	11 55 5	0 ^h 39'00	0 ^h 3	19 ^h 10	11 ^h 36	29 ^h 32	2 ^h 11	0 ^h 40	28 ^h 55	17 ^h 39	11 ^h 52	14 ^h 18	12 ^h 58	11 ^h 12	13 ^h 28
M22	11 59 1	1 ^h 38'30	15 ^h 0	20 ^h 59	12 ^h 9	29 ^h 59	2 ^h 5	0 ^h 39	28 ^h 54	17 ^h 39	11 ^h 52	14 ^h 11	12 ^h 54	11 ^h 18	13 ^h 26
T 23	12 2 58	2 ^h 37'57	29 ^h 43	22 ^h 49	12 ^h 40	0 ^h 27	1 ^h 59	0 ^h 37	28 ^h 53	17 ^h 40	11 ^h 53	14 ^h 5	12 ^h 51	11 ^h 25	13 ^h 23
W24	12 6 54	3 ^h 37'23	14 ^h 7	24 ^h 41	13 ^h 10	0 ^h 55	1 ^h 53	0 ^h 36	28 ^h 52	17 ^h 41	11 ^h 53	14 ^h 2	12 ^h 48	11 ^h 32	13 ^h 20
T 25	12 10 51	4 ^h 36'47	28 ^h 13	26 ^h 34	13 ^h 38	1 ^h 23	1 ^h 47	0 ^h 34	28 ^h 51	17 ^h 42	11 ^h 54	14 ^h 0	12 ^h 45	11 ^h 39	13 ^h 17
F 26	12 14 47	5 ^h 36'09	11 ^h 55	28 ^h 28	14 ^h 5	1 ^h 52	1 ^h 42	0 ^h 33	28 ^h 49	17 ^h 43	11 ^h 55	14 ^h D 0	12 ^h 42	11 ^h 45	13 ^h 14
S 27	12 18 44	6 ^h 35'30	25 ^h 17	0 ^h 24	14 ^h 30	2 ^h 20	1 ^h 37	0 ^h 31	28 ^h 48	17 ^h 44	11 ^h 55	14 ^h 1	12 ^h 39	11 ^h 52	13 ^h 11
S 28	12 22 41	7 ^h 34'48	8 ^h 20	2 ^h 20	14 ^h 53	2 ^h 49	1 ^h 31	0 ^h 30	28 ^h 47	17 ^h 45	11 ^h 56	14 ^h R 2	12 ^h 35	11 ^h 59	13 ^h 8
M29	12 26 37	8 ^h 34'05	21 ^h 7	4 ^h 18	15 ^h 14	3 ^h 17	1 ^h 26	0 ^h 28	28 ^h 46	17 ^h 46	11 ^h 57	14 ^h 1	12 ^h 32	12 ^h 5	13 ^h 5
T 30	12 30 34	9 ^h 33'20	3 ^h 42	6 ^h 17	15 ^h 34	3 ^h 46	1 ^h 21	0 ^h 26	28 ^h 44	17 ^h 47	11 ^h 57	13 ^h 59	12 ^h 29	12 ^h 12	13 ^h 2
W31	12 34 30	10 ^h 32'33	16 ^h 6	8 ^h 18	15 ^h 52	4 ^h 15	1 ^h 16	0 ^h 24	28 ^h 43	17 ^h 48	11 ^h 58	13 ^h 55	12 ^h 26	12 ^h 19	12 ^h 59

Delta T = -5.67 sec.

APRIL 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 38 27	11 ^h 31'44	28 ^h 21	10 ^h 19	16 ^h 7	4 ^h 45	1 ^h R12	0 ^h R22	28 ^h R42	17 ^h II49	11 ^h II59	13 ^h R48	12 ^h 23	12 ^h 26	12 ^h R55
F 2	12 42 23	12 ^h 30'53	10 ^h 29	12 ^h 22	16 ^h 21	5 ^h 14	1 ^h 11	0 ^h 21	28 ^h 40	17 ^h 50	12 ^h 0	13 ^h 38	12 ^h 20	12 ^h 32	12 ^h M52
S 3	12 46 20	13 ^h 30'00	22 ^h 31	14 ^h 25	16 ^h 32	5 ^h 44	1 ^h 3	0 ^h 17	28 ^h 39	17 ^h 51	12 ^h 0	13 ^h 27	12 ^h 16	12 ^h 39	12 ^h 48
S 4	12 50 16	14 ^h 29'05	4 ^h 27	16 ^h 29	16 ^h 41	6 ^h 13	0 ^h 59	0 ^h 15	28 ^h 37	17 ^h 52	12 ^h 1	13 ^h 15	12 ^h 13	12 ^h 46	12 ^h 44
M 5	12 54 13	15 ^h 28'08	16 ^h 20	18 ^h 34	16 ^h 48	6 ^h 43	0 ^h 55	0 ^h 12	28 ^h 36	17 ^h 54	12 ^h 2	13 ^h 4	12 ^h 10	12 ^h 53	12 ^h 41
T 6	12 58 9	16 ^h 27'09	28 ^h 11	20 ^h 38	16 ^h 53	7 ^h 13	0 ^h 51	0 ^h 10	28 ^h 34	17 ^h 55	12 ^h 3	12 ^h 53	12 ^h 7	12 ^h 59	12 ^h 37
W 7	13 2 6	17 ^h 26'08	10 ^h II 3	22 ^h 44	16 ^h R55	7 ^h 43	0 ^h 48	0 ^h 7	28 ^h 33	17 ^h 56	12 ^h 4	12 ^h 45	12 ^h 4	13 ^h 6	12 ^h 33
T 8	13 6 3	18 ^h 25'04	21 ^h 59	24 ^h 49	16 ^h 55	8 ^h 13	0 ^h 44	0 ^h 4	28 ^h 31	17 ^h 57	12 ^h 4	12 ^h 39	12 ^h 0	13 ^h 13	12 ^h 29
F 9	13 9 59	19 ^h 23'58	4 ^h 24	26 ^h 53	16 ^h 53	8 ^h 44	0 ^h 41	0 ^h 2	28 ^h 29	17 ^h 59	12 ^h 5	12 ^h 36	11 ^h 57	13 ^h 19	12 ^h 25
S 10	13 13 56	20 ^h 22'50	16 ^h 20	28 ^h 57	16 ^h 48	9 ^h 14	0 ^h 38	29 ^h M59	28 ^h 27	18 ^h 0	12 ^h 6	12 ^h D35	11 ^h 54	13 ^h 26	12 ^h 21
S 11	13 17 52	21 ^h 21'40	28 ^h 55	1 ^h 8	16 ^h 41	9 ^h 45	0 ^h 35	29 ^h 56	28 ^h 26	18 ^h 1	12 ^h 7	12 ^h 35	11 ^h 51	13 ^h 33	12 ^h 17
M12	13 21 49	22 ^h 20'27	11 ^h 12	3 ^h 2	16 ^h 31	10 ^h 15	0 ^h 32	29 ^h 53	28 ^h 24	18 ^h 3	12 ^h 8	12 ^h R35	11 ^h 48	13 ^h 40	12 ^h 13
T 13	13 25 45	23 ^h 19'12	25 ^h 15	5 ^h 2	16 ^h 18	10 ^h 46	0 ^h 30	29 ^h 50	28 ^h 22	18 ^h 4	12 ^h 9	12 ^h 34	11 ^h 45	13 ^h 46	12 ^h 9
W14	13 29 42	24 ^h 17'55	9 ^h 11	7 ^h 0	16 ^h 3	11 ^h 17	0 ^h 27	29 ^h 47	28 ^h 20	18 ^h 6	12 ^h 10	12 ^h 32	11 ^h 41	13 ^h 53	12 ^h 5
T 15	13 33 38	25 ^h 16'35	23 ^h 29	8 ^h 56	15 ^h 46	11 ^h 48	0 ^h 25	29 ^h 43	28 ^h 18	18 ^h 7	12 ^h 11	12 ^h 27	11 ^h 38	14 ^h 0	12 ^h 0
F 16	13 37 35	26 ^h 15'13	8 ^h 17	10 ^h 49	15 ^h 27	12 ^h 19	0 ^h 23	29 ^h 40	28 ^h 16	18 ^h 9	12 ^h 12	12 ^h 19	11 ^h 35	14 ^h 7	11 ^h 56
S 17	13 41 32	27 ^h 13'50	23 ^h 25	12 ^h 39	15 ^h 5	12 ^h 51	0 ^h 21	29 ^h 37	28 ^h 14	18 ^h					

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	14 36 43	10♈51'19	1♉25	1♊10	7°R16	20♌18	0♍15	28°R44	27°R43	18♊34	12♊29	10°R44	10♌47	15♌47	10°R49
S 2	14 40 40	11°49'31	13°18	1°54	6♌39	20°51	0°16	28♌39	27♌41	18°36	12°30	10♌30	10°44	15°54	10♌44
M 3	14 44 36	12°47'41	25° 9	2°32	6° 3	21°24	0°17	28°35	27°39	18°38	12°31	10°16	10°41	16° 1	10°39
T 4	14 48 33	13°45'49	7♊ 2	3° 6	5°28	21°56	0°19	28°31	27°36	18°40	12°32	10° 3	10°38	16° 8	10°35
W 5	14 52 30	14°43'55	18°56	3°34	3°34	4°54	22°29	0°20	28°27	27°34	18°42	12°34	9°52	10°35	16°14
T 6	14 56 26	15°41'59	0♌55	3°57	4°22	23° 2	0°22	28°22	27°31	18°44	12°35	9°45	10°31	16°21	10°26
F 7	15 0 23	16°40'02	13° 2	4°14	3°51	23°35	0°24	28°18	27°29	18°46	12°36	9°40	10°28	16°28	10°21
S 8	15 4 19	17°38'03	25°20	4°27	3°23	24° 8	0°26	28°14	27°26	18°48	12°37	9°38	10°25	16°34	10°17
S 9	15 8 16	18°36'01	7♊53	4°34	2°56	24°42	0°28	28° 9	27°24	18°50	12°39	9°D37	10°22	16°41	10°12
M10	15 12 12	19°33'58	20°46	4°R36	2°31	25°15	0°30	28° 5	27°21	18°52	12°40	9°R37	10°19	16°48	10° 8
T 11	15 16 9	20°31'54	4♎ 3	4°33	2° 8	25°48	0°33	28° 1	27°19	18°54	12°41	9°37	10°16	16°55	10° 3
W12	15 20 5	21°29'47	17°48	4°26	1°47	26°22	0°36	27°56	27°17	18°56	12°42	9°34	10°12	17° 1	9°59
T 13	15 24 2	22°27'38	2♌ 1	4°14	1°29	26°55	0°39	27°52	27°14	18°58	12°44	9°30	10° 9	17° 8	9°54
F 14	15 27 59	23°25'28	16°42	3°58	1°13	27°29	0°42	27°47	27°12	19° 0	12°45	9°23	10° 6	17°15	9°50
S 15	15 31 55	24°23'16	1♌44	3°37	1° 0	28° 2	0°45	27°43	27° 9	19° 2	12°46	9°14	10° 3	17°21	9°46
S 16	15 35 52	25°21'03	17° 1	3°14	0°49	28°36	0°48	27°38	27° 7	19° 4	12°48	9° 4	10° 0	17°28	9°41
M17	15 39 48	26°18'48	2♌21	2°47	0°40	29°10	0°52	27°34	27° 4	19° 6	12°49	8°54	9°57	17°35	9°37
T 18	15 43 45	27°16'32	17°32	2°17	0°34	29°43	0°56	27°29	27° 2	19° 8	12°50	8°45	9°53	17°42	9°33
W19	15 47 41	28°14'15	2♌24	1°46	0°30	0♌17	1° 0	27°25	26°59	19°10	12°52	8°38	9°50	17°48	9°29
T 20	15 51 38	29°11'56	16°51	1°12	0°D29	0°51	1° 4	27°20	26°57	19°12	12°53	8°34	9°47	17°55	9°25
F 21	15 55 35	0♊ 9'36	0♌49	0°38	0°29	1°25	1° 8	27°16	26°54	19°14	12°54	8°33	9°44	18° 2	9°20
S 22	15 59 31	1° 7'16	14°19	0° 4	0°33	1°59	1°12	27°12	26°52	19°16	12°56	8°D33	9°41	18° 9	9°16
S 23	16 3 28	2° 4'54	27°22	29♌30	0°38	2°33	1°17	27° 7	26°49	19°19	12°57	8°R33	9°37	18°15	9°12
M24	16 7 24	3° 2'31	10♌ 3	28°57	0°46	3° 7	1°22	27° 3	26°47	19°21	12°58	8°33	9°34	18°22	9° 9
T 25	16 11 21	4° 0'08	22°25	28°25	0°56	3°41	1°26	26°58	26°44	19°23	13° 0	8°31	9°31	18°29	9° 5
W26	16 15 17	4°57'43	4♎34	27°55	1° 8	4°16	1°31	26°54	26°42	19°25	13° 1	8°27	9°28	18°35	9° 1
T 27	16 19 14	5°55'17	16°34	27°27	1°22	4°50	1°37	26°49	26°39	19°27	13° 3	8°21	9°25	18°42	8°57
F 28	16 23 10	6°52'51	28°28	27° 3	1°38	5°24	1°42	26°45	26°37	19°30	13° 4	8°12	9°22	18°49	8°53
S 29	16 27 7	7°50'24	10♌20	26°41	1°56	5°59	1°47	26°41	26°34	19°32	13° 5	8° 2	9°18	18°56	8°50
S 30	16 31 3	8°47'55	22°12	26°24	2°16	6°33	1°53	26°36	26°32	19°34	13° 7	7°51	9°15	19° 2	8°46
M31	16 35 0	9♊45'26	4♊ 5	26♌10	2♌38	7♊ 8	1♎59	26♌32	26♌29	19♊36	13♊ 8	7♌40	9♌12	19♌ 9	8♌43

Delta T = -5.50 sec.

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	16 38 57	10♊42'56	16♊ 1	26°R 0	3♌ 1	7♊42	2♎ 5	26°R28	26°R27	19♊38	13♊ 9	7°R30	9♌ 9	19♌16	8°R39
W 2	16 42 53	11°40'25	28° 2	25♌54	3°26	8°17	2°11	26♌23	26♌25	19°41	13°11	7♌22	9° 6	19°22	8♌36
T 3	16 46 50	12°37'53	10♌10	25°D53	3°53	8°52	2°17	26°19	26°22	19°43	13°12	7°16	9° 3	19°29	8°33
F 4	16 50 46	13°35'20	22°25	25°56	4°21	9°27	2°23	26°15	26°20	19°45	13°14	7°13	8°59	19°36	8°30
S 5	16 54 43	14°32'45	4♊51	26° 4	4°50	10° 1	2°30	26°11	26°17	19°47	13°15	7°D11	8°56	19°43	8°27
S 6	16 58 39	15°30'10	17°31	26°16	5°21	10°36	2°37	26° 7	26°15	19°50	13°16	7°12	8°53	19°49	8°23
M 7	17 2 36	16°27'33	0♎28	26°33	5°54	11°11	2°43	26° 3	26°13	19°52	13°18	7°13	8°50	19°56	8°21
T 8	17 6 33	17°24'55	13°44	26°54	6°27	11°46	2°50	25°59	26°11	19°54	13°19	7°R14	8°47	20° 3	8°18
W 9	17 10 29	18°22'17	27°23	27°19	7° 2	12°21	2°57	25°55	26° 8	19°56	13°20	7°13	8°43	20°10	8°15
T 10	17 14 26	19°19'37	11♌26	27°49	7°39	12°56	3° 4	25°51	26° 6	19°58	13°22	7°11	8°40	20°16	8°12
F 11	17 18 22	20°16'56	25°53	28°23	8°16	13°31	3°12	25°47	26° 4	20° 1	13°23	7° 7	8°37	20°23	8°10
S 12	17 22 19	21°14'14	10♌40	29° 2	8°55	14° 7	3°19	25°43	26° 2	20° 3	13°25	7° 2	8°34	20°30	8° 7
S 13	17 26 15	22°11'32	25°41	29°44	9°34	14°42	3°27	25°39	25°59	20° 5	13°26	6°56	8°31	20°36	8° 5
M14	17 30 12	23° 8'48	10♌48	0♊31	10°15	15°17	3°34	25°36	25°57	20° 7	13°27	6°49	8°28	20°43	8° 2
T 15	17 34 8	24° 6'04	25°50	1°21	10°57	15°52	3°42	25°32	25°55	20°10	13°29	6°43	8°24	20°50	8° 0
W16	17 38 5	25° 3'20	10♌39	2°15	11°39	16°28	3°50	25°28	25°53	20°12	13°30	6°39	8°21	20°57	7°58
T 17	17 42 2	26° 0'35	25° 7	3°14	12°23	17° 3	3°58	25°25	25°51	20°14	13°31	6°37	8°18	21° 3	7°56
F 18	17 45 58	26°57'50	9♌ 9	4°15	13° 7	17°39	4° 6	25°21	25°49	20°16	13°33	6°D37	8°15	21°10	7°54
S 19	17 49 55	27°55'04	22°44	5°21	13°53	18°14	4°14	25°18	25°47	20°19	13°34	6°37	8°12	21°17	7°52
S 20	17 53 51	28°52'18	5♌53	6°30	14°39	18°50	4°23	25°15	25°45	20°21	13°35	6°39	8° 9	21°23	7°50
M21	17 57 48	29°49'32	18°38	7°43	15°26	19°25	4°31	25°11	25°43	20°23	13°37	6°40	8° 5	21°30	7°49
T 22	18 1 44	0♌46'46	1♎ 4	9° 0	16°14	20° 1	4°40	25° 8	25°41	20°25	13°38	6°R41	8° 2	21°37	7°47
W23	18 5 41	1°43'59	13°14	10°20	17° 3	20°36	4°48	25° 5	25°39	20°27	13°39	6°40	7°59	21°44	7°46
T 24	18 9 37	2°41'13	25°14	11°43	17°52	21°12	4°57	25° 2	25°38	20°30	13°41	6°38	7°56	21°50	7°44
F 25	18 13 34	3°38'27	7♌ 8	13°10	18°42	21°48	5° 6	24°59	25°36	20°32	13°42	6°34	7°53	21°57	7°43
S 26	18 17 31	4°35'40	18°59	14°40	19°33	22°24	5°15	24°56	25°34	20°34	13°43	6°30	7°49	22° 4	7°42
S 27	18 21 27	5°32'54	0♊52	16°14	20°24	23° 0	5°24	24°53	25°32	20°36	13°45	6°24	7°46	22°11	7°41
M28	18 25 24	6°30'08	12°49	17°51	21°16	23°36	5°33	24°50	25°31	20°38	13°46	6°19	7°43	22°17	7°40
T 29	18 29 20	7°27'21	24°51	19°31	22° 8	24°12	5°43	24°48	25°29	20°41	13°47	6°14	7°40	22°24	7°39
W30	18 33 17	8°24'35	7♌ 2	21♊14	23♌ 2	24♌48	5♎52	24♌45	25♌27	20♊43	13♊49	6♌11	7♌37	22♌31	7♌38

Delta T = -5.41 sec.

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SWISS EPHEMERIS for the year 1897

JULY 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 37 13	9 ^h 21'48"	19 ^h 22'	23 ^h 00'	23 ^h 55'	25 ^h 24'	6 ^h 12'	24 ^h R42	25 ^h R26	20 ^h II45	13 ^h II50	6 ^h R 8	7 ^h 34	22 ^h 37	7 ^h R38
F 2	18 41 10	10 ^h 19'02"	18 ^h 52'	24 ^h 50'	24 ^h 49'	26 ^h 0	6 ^h 11'	24 ^h M40	25 ^h M24	20 ^h 47	13 ^h 51	6 ^h D 7	7 ^h 30	22 ^h 44	7 ^h M37
S 3	18 45 6	11 ^h 16'15"	14 ^h 35'	26 ^h 42'	25 ^h 44'	26 ^h 36	6 ^h 21'	24 ^h 37	25 ^h 23	20 ^h 49	13 ^h 52	6 ^h 8	7 ^h 27	22 ^h 51	7 ^h 37
S 4	18 49 3	12 ^h 13'28"	27 ^h 30'	28 ^h 37'	26 ^h 39'	27 ^h 12'	6 ^h 31'	24 ^h 35	25 ^h 21	20 ^h 51	13 ^h 54	6 ^h 8	7 ^h 24	22 ^h 58	7 ^h 37
M 5	18 53 0	13 ^h 10'41"	10 ^h 39'	0 ^h 34	27 ^h 35'	27 ^h 48'	6 ^h 41'	24 ^h 33	25 ^h 20	20 ^h 53	13 ^h 55	6 ^h 10	7 ^h 21	23 ^h 4	7 ^h 36
T 6	18 56 56	14 ^h 7'53"	24 ^h 5'	2 ^h 34	28 ^h 31'	28 ^h 25'	6 ^h 51'	24 ^h 31	25 ^h 18	20 ^h 55	13 ^h 56	6 ^h 11	7 ^h 18	23 ^h 11	7 ^h D36
W 7	19 0 53	15 ^h 5'06"	7 ^h 46'	4 ^h 36	29 ^h 27'	29 ^h 1	7 ^h 1	24 ^h 29	25 ^h 17	20 ^h 58	13 ^h 57	6 ^h 12	7 ^h 15	23 ^h 18	7 ^h 36
T 8	19 4 49	16 ^h 2'18"	21 ^h 45'	6 ^h 40	0 ^h II24	29 ^h 37'	7 ^h 11'	24 ^h 27	25 ^h 16	21 ^h 0	13 ^h 59	6 ^h R12	7 ^h 11	23 ^h 24	7 ^h 36
F 9	19 8 46	16 ^h 59'30"	6 ^h M 0	8 ^h 46	1 ^h 22	0 ^h M14	7 ^h 21'	24 ^h 25	25 ^h 15	21 ^h 2	14 ^h 0	6 ^h 11	7 ^h 8	23 ^h 31	7 ^h 37
S 10	19 12 42	17 ^h 56'42"	20 ^h 29'	10 ^h 52'	2 ^h 20	0 ^h 50	7 ^h 31'	24 ^h 23	25 ^h 13	21 ^h 4	14 ^h 1	6 ^h 10	7 ^h 5	23 ^h 38	7 ^h 37
S 11	19 16 39	18 ^h 53'54"	5 ^h 7' 8	13 ^h 0	3 ^h 18	1 ^h 27	7 ^h 42'	24 ^h 22	25 ^h 12	21 ^h 6	14 ^h 2	6 ^h 8	7 ^h 2	23 ^h 45	7 ^h 37
M12	19 20 36	19 ^h 51'07"	19 ^h 51'	15 ^h 9	4 ^h 17	2 ^h 3	7 ^h 52'	24 ^h 20	25 ^h 11	21 ^h 8	14 ^h 3	6 ^h 6	6 ^h 59	23 ^h 51	7 ^h 38
T 13	19 24 32	20 ^h 48'19"	4 ^h 33'1	17 ^h 18	5 ^h 15	2 ^h 40	8 ^h 3	24 ^h 18	25 ^h 10	21 ^h 10	14 ^h 4	6 ^h 4	6 ^h 55	23 ^h 58	7 ^h 38
W14	19 28 29	21 ^h 45'32"	19 ^h 2	19 ^h 27'	6 ^h 15	3 ^h 16	8 ^h 13	24 ^h 17	25 ^h 9	21 ^h 12	14 ^h 6	6 ^h 3	6 ^h 52	24 ^h 5	7 ^h 39
T 15	19 32 25	22 ^h 42'45"	3 ^h 38'18	21 ^h 35'	7 ^h 15	3 ^h 53	8 ^h 24	24 ^h 16	25 ^h 8	21 ^h 14	14 ^h 7	6 ^h D 2	6 ^h 49	24 ^h 11	7 ^h 40
F 16	19 36 22	23 ^h 39'58"	17 ^h 13'	23 ^h 44'	8 ^h 15	4 ^h 30	8 ^h 35	24 ^h 14	25 ^h 7	21 ^h 16	14 ^h 8	6 ^h 2	6 ^h 46	24 ^h 18	7 ^h 41
S 17	19 40 18	24 ^h 37'12"	0 ^h 7'46	25 ^h 52'	9 ^h 15	5 ^h 6	8 ^h 46	24 ^h 13	25 ^h 6	21 ^h 18	14 ^h 9	6 ^h 3	6 ^h 43	24 ^h 25	7 ^h 42
S 18	19 44 15	25 ^h 34'26"	13 ^h 56'	27 ^h 59'	10 ^h 16'	5 ^h 43	8 ^h 57'	24 ^h 12	25 ^h 5	21 ^h 20	14 ^h 10	6 ^h 4	6 ^h 40	24 ^h 32	7 ^h 43
M19	19 48 11	26 ^h 31'41"	26 ^h 44'	0 ^h 0' 4	11 ^h 17'	6 ^h 20	9 ^h 8	24 ^h 11	25 ^h 5	21 ^h 22	14 ^h 11	6 ^h 5	6 ^h 36	24 ^h 38	7 ^h 45
T 20	19 52 8	27 ^h 28'57"	9 ^h 7'13	2 ^h 9	12 ^h 18'	6 ^h 57	9 ^h 19	24 ^h 10	25 ^h 4	21 ^h 23	14 ^h 12	6 ^h 6	6 ^h 33	24 ^h 45	7 ^h 46
W21	19 56 5	28 ^h 26'14"	21 ^h 26'	4 ^h 13	13 ^h 20'	7 ^h 34	9 ^h 30	24 ^h 10	25 ^h 3	21 ^h 25	14 ^h 13	6 ^h 6	6 ^h 30	24 ^h 52	7 ^h 47
T 22	20 0 1	29 ^h 23'31"	3 ^h 8'28	6 ^h 15	14 ^h 22'	8 ^h 11	9 ^h 41	24 ^h 9	25 ^h 3	21 ^h 27	14 ^h 14	6 ^h R 6	6 ^h 27	24 ^h 58	7 ^h 49
F 23	20 3 58	0 ^h 0'20'50"	15 ^h 23'	8 ^h 15	15 ^h 24'	8 ^h 48	9 ^h 52	24 ^h 8	25 ^h 2	21 ^h 29	14 ^h 15	6 ^h 6	6 ^h 24	25 ^h 5	7 ^h 51
S 24	20 7 54	1 ^h 18'09"	27 ^h 15'	10 ^h 14'	16 ^h 26'	9 ^h 25	10 ^h 4	24 ^h 8	25 ^h 2	21 ^h 31	14 ^h 16	6 ^h 5	6 ^h 21	25 ^h 12	7 ^h 53
S 25	20 11 51	2 ^h 15'30"	9 ^h II 9	12 ^h 12'	17 ^h 29'	10 ^h 2	10 ^h 15'	24 ^h 8	25 ^h 1	21 ^h 33	14 ^h 17	6 ^h 5	6 ^h 17	25 ^h 19	7 ^h 54
M26	20 15 47	3 ^h 12'51"	21 ^h 10'	14 ^h 8	18 ^h 32'	10 ^h 39'	10 ^h 27'	24 ^h 7	25 ^h 1	21 ^h 34	14 ^h 18	6 ^h 4	6 ^h 14	25 ^h 25	7 ^h 56
T 27	20 19 44	4 ^h 10'13"	3 ^h 35'19	16 ^h 2	19 ^h 35'	11 ^h 16	10 ^h 38'	24 ^h 7	25 ^h 0	21 ^h 36	14 ^h 19	6 ^h 4	6 ^h 11	25 ^h 32	7 ^h 59
W28	20 23 40	5 ^h 7'36"	15 ^h 39'	17 ^h 54	20 ^h 39'	11 ^h 53	10 ^h 50'	24 ^h D 7	25 ^h 0	21 ^h 38	14 ^h 20	6 ^h 4	6 ^h 8	25 ^h 39	8 ^h 1
T 29	20 27 37	6 ^h 5'00"	28 ^h 14'	19 ^h 45	21 ^h 42'	12 ^h 31	11 ^h 1	24 ^h 7	25 ^h 0	21 ^h 40	14 ^h 21	6 ^h D 4	6 ^h 5	25 ^h 46	8 ^h 3
F 30	20 31 34	7 ^h 2'25"	11 ^h 0' 2	21 ^h 34	22 ^h 46'	13 ^h 8	11 ^h 13	24 ^h 7	24 ^h 59	21 ^h 41	14 ^h 22	6 ^h R 4	6 ^h 1	25 ^h 52	8 ^h 6
S 31	20 35 30	7 ^h 0'59'50"	24 ^h 0' 6	23 ^h 0'22	23 ^h II51	13 ^h 17'45	11 ^h 25'	24 ^h M 7	24 ^h M59	21 ^h II43	14 ^h II23	6 ^h 8 4	5 ^h 58	25 ^h 59	8 ^h M 8

Delta T = -5.32 sec.

AUGUST 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 39 27	8 ^h 0'57'17"	7 ^h 17'24"	25 ^h 0' 8	24 ^h II55	14 ^h 17'23	11 ^h 17'37	24 ^h M 8	24 ^h R59	21 ^h II45	14 ^h II24	6 ^h R 4	5 ^h 55	26 ^h 8 6	8 ^h M11
M 2	20 43 23	9 ^h 54'44"	20 ^h 56'	26 ^h 52'	26 ^h 0	15 ^h 0	11 ^h 49	24 ^h 8	24 ^h M59	21 ^h 46	14 ^h 25	6 ^h 3 3	5 ^h 52	26 ^h 12	8 ^h 13
T 3	20 47 20	10 ^h 52'12"	4 ^h 40	28 ^h 35'	27 ^h 4	15 ^h 38	12 ^h 1	24 ^h 9	24 ^h D59	21 ^h 48	14 ^h 25	6 ^h 3	5 ^h 49	26 ^h 19	8 ^h 16
W 4	20 51 16	11 ^h 49'40"	18 ^h 35'	0 ^h 16	28 ^h 9	16 ^h 15	12 ^h 13	24 ^h 9	24 ^h 59	21 ^h 50	14 ^h 26	6 ^h 2	5 ^h 46	26 ^h 26	8 ^h 19
T 5	20 55 13	12 ^h 47'10"	2 ^h M39	1 ^h 55	29 ^h 15'	16 ^h 53	12 ^h 25	24 ^h 10	24 ^h 59	21 ^h 51	14 ^h 27	6 ^h 2	5 ^h 42	26 ^h 33	8 ^h 22
F 6	20 59 9	13 ^h 44'40"	16 ^h 50'	3 ^h 33	0 ^h 32'20	17 ^h 30	12 ^h 37	24 ^h 11	24 ^h 59	21 ^h 53	14 ^h 28	6 ^h D 2	5 ^h 39	26 ^h 39	8 ^h 25
S 7	21 3 6	14 ^h 42'11"	1 ^h 7' 6	5 ^h 9	1 ^h 26	18 ^h 8	12 ^h 49	24 ^h 12	24 ^h 59	21 ^h 54	14 ^h 29	6 ^h 2	5 ^h 36	26 ^h 46	8 ^h 29
S 8	21 7 3	15 ^h 39'42"	15 ^h 24'	6 ^h 44	2 ^h 32	18 ^h 46	13 ^h 1	24 ^h 13	25 ^h 0	21 ^h 56	14 ^h 29	6 ^h 3	5 ^h 33	26 ^h 53	8 ^h 32
M 9	21 10 59	16 ^h 37'15"	29 ^h 41'	8 ^h 17	3 ^h 37	19 ^h 23	13 ^h 13	24 ^h 14	25 ^h 0	21 ^h 57	14 ^h 30	6 ^h 4	5 ^h 30	26 ^h 59	8 ^h 35
T 10	21 14 56	17 ^h 34'49"	13 ^h 35'4	9 ^h 48	4 ^h 44	20 ^h 1	13 ^h 25	24 ^h 15	25 ^h 0	21 ^h 59	14 ^h 31	6 ^h 5	5 ^h 27	27 ^h 6	8 ^h 39
W11	21 18 52	18 ^h 32'23"	27 ^h 59'	11 ^h 18	5 ^h 50	20 ^h 39	13 ^h 38	24 ^h 16	25 ^h 1	22 ^h 0	14 ^h 32	6 ^h 5	5 ^h 23	27 ^h 13	8 ^h 42
T 12	21 22 49	19 ^h 29'59"	11 ^h 55'2	12 ^h 46	6 ^h 57	21 ^h 17	13 ^h 50	24 ^h 18	25 ^h 1	22 ^h 1	14 ^h 32	6 ^h R 5	5 ^h 20	27 ^h 20	8 ^h 46
F 13	21 26 45	20 ^h 27'35"	25 ^h 31'	14 ^h 12	8 ^h 3	21 ^h 55	14 ^h 2	24 ^h 19	25 ^h 2	22 ^h 3	14 ^h 33	6 ^h 4	5 ^h 17	27 ^h 26	8 ^h 50
S 14	21 30 42	21 ^h 25'13"	8 ^h 7'52	15 ^h 37	9 ^h 10	22 ^h 33	14 ^h 15	24 ^h 21	25 ^h 2	22 ^h 4	14 ^h 34	6 ^h 3	5 ^h 14	27 ^h 33	8 ^h 54
S 15	21 34 38	22 ^h 22'52"	21 ^h 56'	17 ^h 0	10 ^h 17	23 ^h 11	14 ^h 27	24 ^h 22	25 ^h 3	22 ^h 5	14 ^h 34	6 ^h 1	5 ^h 11	27 ^h 40	8 ^h 58
M16	21 38 35	23 ^h 20'33"	4 ^h 7'41	18 ^h 22	11 ^h 24	23 ^h 49	14 ^h 40	24 ^h 24	25 ^h 3	22 ^h 7	14 ^h 35	5 ^h 59	5 ^h 7	27 ^h 46	9 ^h 2
T 17	21 42 32	24 ^h 18'15"	17 ^h 9	19 ^h 42											

SWISS EPHEMERIS for the year 1897

SEPTEMBER 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 41 40	8♍47'07	29♌16	5♌17	29♌40	4♌ 4	18♍ 3	25♍ 4	25♍21	22♍23	14♍42	5°R38	4♌17	29♌34	10♍18
T 2	22 45 36	9°45'16	13♍36	5°57	0♌50	4°42	18°16	25° 8	25°22	22°24	14°42	5°34	4°13	29°40	10°24
F 3	22 49 33	10°43'25	10°36	6°32	1°59	5°21	18°29	25°11	25°24	22°25	14°42	5°32	4°10	29°47	10°29
S 4	22 53 30	11°41'37	12♌ 7	7° 3	3° 9	6° 0	18°42	25°15	25°25	22°26	14°43	5°D31	4° 7	29°54	10°35
S 5	22 57 26	12°39'49	26°13	7°30	4°19	6°39	18°55	25°18	25°27	22°26	14°43	5°32	4° 4	0♍ 1	10°41
M 6	23 1 23	13°38'03	10♌11	7°52	5°29	7°18	19° 8	25°22	25°29	22°27	14°43	5°33	4° 1	0° 7	10°46
T 7	23 5 19	14°36'19	23°59	8° 8	6°39	7°57	19°20	25°25	25°30	22°28	14°43	5°34	3°58	0°14	10°52
W 8	23 9 16	15°34'36	7♌38	8°20	7°50	8°36	19°33	25°29	25°32	22°28	14°43	5°R35	3°54	0°21	10°58
T 9	23 13 12	16°32'55	21° 5	8°R25	9° 0	9°16	19°46	25°33	25°34	22°29	14°43	5°34	3°51	0°27	11° 4
F 10	23 17 9	17°31'15	4♌21	8°25	10°11	9°55	19°59	25°37	25°36	22°29	14°44	5°31	3°48	0°34	11°10
S 11	23 21 5	18°29'37	17°24	8°18	11°21	10°34	20°12	25°41	25°38	22°30	14°44	5°26	3°45	0°41	11°16
S 12	23 25 2	19°28'01	0♍14	8° 4	12°32	11°13	20°25	25°45	25°40	22°30	14°44	5°19	3°42	0°48	11°22
M13	23 28 58	20°26'27	12°49	7°44	13°43	11°53	20°38	25°49	25°42	22°31	14°44	5°11	3°39	0°54	11°29
T 14	23 32 55	21°24'55	25°21	7°17	14°54	12°32	20°51	25°54	25°44	22°31	14°R44	5° 3	3°35	1° 1	11°35
W15	23 36 52	22°23'24	7♌22	6°43	16° 5	13°11	21° 4	25°58	25°46	22°31	14°44	4°55	3°32	1° 8	11°41
T 16	23 40 48	23°21'56	19°23	6° 2	17°16	13°51	21°17	26° 2	25°48	22°32	14°44	4°48	3°29	1°14	11°48
F 17	23 44 45	24°20'31	1♍16	5°16	18°27	14°30	21°30	26° 7	25°50	22°32	14°44	4°43	3°26	1°21	11°54
S 18	23 48 41	25°19'07	13° 7	4°23	19°38	15°10	21°43	26°11	25°52	22°32	14°44	4°40	3°23	1°28	12° 1
S 19	23 52 38	26°17'46	25° 0	3°26	20°50	15°50	21°56	26°16	25°55	22°33	14°43	4°D39	3°19	1°34	12° 7
M20	23 56 34	27°16'26	7♌ 0	2°24	22° 1	16°29	22° 9	26°21	25°57	22°33	14°43	4°40	3°16	1°41	12°14
T 21	0 0 31	28°15'09	19°11	1°20	23°13	17° 9	22°22	26°25	25°59	22°33	14°43	4°41	3°13	1°48	12°21
W22	0 4 27	29°13'55	1♌40	0°15	24°25	17°49	22°35	26°30	26° 2	22°33	14°43	4°R41	3°10	1°55	12°27
T 23	0 8 24	0♌12'42	14°30	29♍ 9	25°37	18°29	22°48	26°35	26° 4	22°33	14°43	4°41	3° 7	2° 1	12°34
F 24	0 12 21	1°11'32	27°45	28° 6	26°49	19° 8	23° 1	26°40	26° 7	22°33	14°43	4°39	3° 4	2° 8	12°41
S 25	0 16 17	2°10'23	11♍25	27° 6	28° 1	19°48	23°14	26°45	26° 9	22°R33	14°42	4°34	3° 0	2°15	12°48
S 26	0 20 14	3° 9'17	25°29	26°12	29°13	20°28	23°27	26°50	26°12	22°33	14°42	4°27	2°57	2°21	12°55
M27	0 24 10	4° 8'13	9♌54	25°24	0♍25	21° 8	23°40	26°55	26°14	22°33	14°42	4°18	2°54	2°28	13° 2
T 28	0 28 7	5° 7'11	24°32	24°44	1°37	21°49	23°52	27° 0	26°17	22°33	14°42	4° 8	2°51	2°35	13° 9
W29	0 32 3	6° 6'10	9♍18	24°12	2°50	22°29	24° 5	27° 6	26°20	22°33	14°41	3°59	2°48	2°42	13°16
T 30	0 36 0	7♌ 5'12	24♍ 1	23♍51	4♍ 2	23♌ 9	24♍18	27♍11	26♍22	22♍33	14♍41	3°51	2°44	2♍48	13♍23

Delta T = -5.12 sec.

OCTOBER 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 39 56	8♌ 4'16	8♌36	23°R40	5♍14	23♌49	24♍13	27♍16	26♍25	22°R33	14°R41	3°R46	2♌41	2♍55	13♍31
S 2	0 43 53	9° 3'21	22°58	23°D39	6°27	24°29	24°44	27°22	26°28	22°R32	14°R40	3°R42	2°38	3° 2	13°38
S 3	0 47 50	10° 2'28	7♌ 4	23♍49	7°40	25°10	24°56	27°27	26°31	22°32	14°40	3°D41	2°35	3° 8	13°45
M 4	0 51 46	11° 1'37	20°53	24° 9	8°52	25°50	25° 9	27°33	26°34	22°32	14°39	3°42	2°32	3°15	13°52
T 5	0 55 43	12° 0'47	4♌26	24°39	10° 5	26°30	25°22	27°39	26°36	22°32	14°39	3°R42	2°29	3°22	14° 0
W 6	0 59 39	13° 0'00	17°45	25°18	11°18	27°11	25°35	27°44	26°39	22°31	14°39	3°41	2°25	3°28	14° 7
T 7	1 3 36	13°59'14	0♌51	26° 6	12°31	27°51	25°47	27°50	26°42	22°31	14°38	3°38	2°22	3°35	14°15
F 8	1 7 32	14°58'29	13°45	27° 2	13°44	28°32	26° 0	27°56	26°45	22°30	14°38	3°32	2°19	3°42	14°22
S 9	1 11 29	15°57'47	26°28	28° 5	14°57	29°13	26°12	28° 2	26°48	22°30	14°37	3°24	2°16	3°49	14°30
S 10	1 15 25	16°57'07	9♍ 1	29°14	16°10	29°53	26°25	28° 8	26°51	22°30	14°37	3°13	2°13	3°55	14°37
M11	1 19 22	17°56'28	21°23	0♌29	17°24	0♍34	26°38	28°14	26°54	22°29	14°36	3° 0	2°10	4° 2	14°45
T 12	1 23 19	18°55'52	3♌36	1°49	18°37	1°15	26°50	28°20	26°57	22°29	14°35	2°46	2° 6	4° 9	14°53
W13	1 27 15	19°55'18	15°40	3°13	19°50	1°56	27° 3	28°26	27° 1	22°28	14°35	2°33	2° 3	4°15	15° 0
T 14	1 31 12	20°54'46	27°37	4°41	21° 4	2°36	27°15	28°32	27° 4	22°27	14°34	2°22	2° 0	4°22	15° 8
F 15	1 35 8	21°54'16	9♍28	6°12	22°17	3°17	27°27	28°38	27° 7	22°27	14°34	2°12	1°57	4°29	15°16
S 16	1 39 5	22°53'48	21°17	7°45	23°31	3°58	27°40	28°44	27°10	22°26	14°33	2° 6	1°54	4°35	15°23
S 17	1 43 1	23°53'23	3♌ 8	9°21	24°44	4°39	27°52	28°50	27°13	22°25	14°32	2° 2	1°50	4°42	15°31
M18	1 46 58	24°53'00	15° 5	10°58	25°58	5°20	28° 4	28°57	27°17	22°25	14°32	2° 1	1°47	4°49	15°39
T 19	1 50 54	25°52'39	27°13	12°36	27°12	6° 2	28°17	29° 3	27°20	22°24	14°31	2° 0	1°44	4°56	15°47
W20	1 54 51	26°52'21	9♌38	14°15	28°25	6°43	28°29	29° 9	27°23	22°23	14°30	2° 0	1°41	5° 2	15°55
T 21	1 58 48	27°52'05	22°26	15°55	29°39	7°24	28°41	29°16	27°27	22°22	14°30	1°59	1°38	5° 9	16° 3
F 22	2 2 44	28°51'51	5♍39	17°36	0♌53	8° 5	28°53	29°22	27°30	22°21	14°29	1°56	1°35	5°16	16°11
S 23	2 6 41	29°51'39	19°22	19°17	2° 7	8°47	29° 5	29°29	27°33	22°21	14°28	1°50	1°31	5°22	16°18
S 24	2 10 37	0♍51'29	3♌34	20°58	3°21	9°28	29°17	29°35	27°37	22°20	14°27	1°42	1°28	5°29	16°26
M25	2 14 34	1°51'21	18°12	22°39	4°35	10° 9	29°29	29°42	27°40	22°19	14°26	1°31	1°25	5°36	16°34
T 26	2 18 30	2°51'16	3♍10	24°20	5°49	10°51	29°41	29°48	27°44	22°18	14°26	1°19	1°22	5°42	16°42
W27	2 22 27	3°51'12	18°18	26° 1	7° 4	11°32	29°53	29°55	27°47	22°17	14°25	1° 8	1°19	5°49	16°50
T 28	2 26 23	4°51'11	3♌25	27°41	8°18	12°14	0♌ 4	0♌ 2	27°50	22°16	14°24	0°58	1°16	5°56	16°58
F 29	2 30 20	5°51'11	18°22	29°22	9°32	12°56	0°16	0° 8	27°54	22°15	14°23	0°50	1°12	6° 3	17° 6
S 30	2 34 17	6°51'13	3♌ 1	1♍ 2	10°46	13°37	0°28	0°15	27°57	22°14	14°22	0°46	1° 9	6° 9	17°15
S 31	2 38 13	7♍51'16	17♌18	2♍42	12♌ 1	14♍19	0♌39	0♌22	28♍ 1	22°R13	14°R21	0°44	1° 6	6°R16	17♍23

Delta T = -5.02 sec.

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SWISS EPHEMERIS for the year 1897

NOVEMBER 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	2 42 10	8♈51'21	1♌12	4♋21	13♉15	15♈ 1	0♌51	0♈28	28♈ 5	22°R11	14°R20	0°R43	1♌ 3	6♈23	17♈31
T 2	2 46 6	9°51'27	14°43	6° 0	14°29	15°43	1° 2	0°35	28° 8	22°II10	14°II20	0°♋43	1° 0	6°29	17°39
W 3	2 50 3	10°51'35	27°53	7°38	15°44	16°25	1°14	0°42	28°12	22° 9	14°19	0°42	0°56	6°36	17°47
T 4	2 53 59	11°51'45	10♋46	9°16	16°58	17° 7	1°25	0°49	28°15	22° 8	14°18	0°39	0°53	6°43	17°55
F 5	2 57 56	12°51'56	23°25	10°54	18°13	17°49	1°36	0°56	28°19	22° 7	14°17	0°34	0°50	6°49	18° 3
S 6	3 1 52	13°52'08	5♈53	12°32	19°27	18°31	1°47	1° 3	28°23	22° 6	14°16	0°25	0°47	6°56	18°11
S 7	3 5 49	14°52'22	18°10	14° 9	20°42	19°13	1°58	1°10	28°26	22° 4	14°15	0°14	0°44	7° 3	18°19
M 8	3 9 46	15°52'38	0♉20	15°45	21°57	19°55	2° 9	1°17	28°30	22° 3	14°14	0° 1	0°41	7°10	18°27
T 9	3 13 42	16°52'55	12°23	17°21	23°11	20°37	2°20	1°24	28°33	22° 2	14°13	29♌47	0°37	7°16	18°35
W10	3 17 39	17°53'15	24°20	18°57	24°26	21°19	2°31	1°31	28°37	22° 0	14°12	29°33	0°34	7°23	18°44
T 11	3 21 35	18°53'36	6♈13	20°33	25°41	22° 2	2°42	1°38	28°41	21°59	14°11	29°21	0°31	7°30	18°52
F 12	3 25 32	19°53'58	18° 3	22° 8	26°56	22°44	2°53	1°45	28°44	21°58	14°10	29°12	0°28	7°36	19° 0
S 13	3 29 28	20°54'23	29°52	23°43	28°10	23°27	3° 3	1°52	28°48	21°56	14° 9	29° 5	0°25	7°43	19° 8
S 14	3 33 25	21°54'49	11♌43	25°18	29°25	24° 9	3°14	1°59	28°52	21°55	14° 8	29° 1	0°21	7°50	19°16
M15	3 37 21	22°55'17	23°40	26°52	0♈40	24°52	3°24	2° 6	28°56	21°53	14° 7	28°D59	0°18	7°56	19°24
T 16	3 41 18	23°55'47	5♈47	28°26	1°55	25°34	3°35	2°13	28°59	21°52	14° 6	28°59	0°15	8° 3	19°32
W17	3 45 15	24°56'18	18° 9	0♈ 0	3°10	26°17	3°45	2°20	29° 3	21°50	14° 4	29° 0	0°12	8°10	19°40
T 18	3 49 11	25°56'52	0♈51	1°34	4°25	26°59	3°55	2°27	29° 7	21°49	14° 3	29°R 0	0° 9	8°16	19°48
F 19	3 53 8	26°57'27	13°58	3° 8	5°40	27°42	4° 5	2°34	29°10	21°48	14° 2	28°58	0° 6	8°23	19°57
S 20	3 57 4	27°58'04	27°34	4°41	6°55	28°25	4°15	2°41	29°14	21°46	14° 1	28°55	0° 2	8°30	20° 5
S 21	4 1 1	28°58'42	11♉39	6°14	8°10	29° 8	4°25	2°48	29°18	21°44	14° 0	28°49	29♌59	8°37	20°13
M22	4 4 57	29°59'23	26°14	7°47	9°25	29°51	4°35	2°55	29°21	21°43	13°59	28°41	29°56	8°43	20°21
T 23	4 8 54	1♈ 0'04	11♈13	9°20	10°40	0♈34	4°45	3° 2	29°25	21°41	13°58	28°32	29°53	8°50	20°29
W24	4 12 50	2° 0'48	26°27	10°53	11°55	1°17	4°54	3°10	29°29	21°40	13°57	28°23	29°50	8°57	20°37
T 25	4 16 47	3° 1'33	11♈46	12°25	13°10	2° 0	5° 4	3°17	29°33	21°38	13°56	28°15	29°47	9° 3	20°45
F 26	4 20 44	4° 2'19	26°59	13°58	14°25	2°43	5°13	3°24	29°36	21°37	13°54	28° 9	29°43	9°10	20°53
S 27	4 24 40	5° 3'06	11♌56	15°30	15°41	3°26	5°22	3°31	29°40	21°35	13°53	28° 5	29°40	9°17	21° 1
S 28	4 28 37	6° 3'55	26°29	17° 2	16°56	4° 9	5°31	3°38	29°44	21°33	13°52	28°D 4	29°37	9°23	21° 9
M29	4 32 33	7° 4'44	10♋36	18°34	18°11	4°52	5°41	3°45	29°47	21°32	13°51	28° 5	29°34	9°30	21°17
T 30	4 36 30	8♈ 5'34	24♋15	20♈ 6	19♈26	5♈36	5♉49	3♈52	29♈51	21°II30	13°II50	28♌ 6	29♌31	9°II37	21°II24

Delta T = -4.92 sec.

DECEMBER 1897

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 40 26	9♈ 6'25	7♈29	21♈37	20♈41	6♈19	5♉58	3♈59	29♈55	21°R28	13°R49	28°R 7	29♌27	9°II43	21♈32
T 2	4 44 23	10° 7'17	20°21	23° 9	21°57	7° 2	6° 7	4° 7	29°58	21°II27	13°II48	28♌ 6	29°24	9°50	21°40
F 3	4 48 19	11° 8'09	2♈55	24°40	23°12	7°46	6°16	4°14	0♈ 2	21°25	13°46	28° 3	29°21	9°57	21°48
S 4	4 52 16	12° 9'02	15°14	26°11	24°27	8°29	6°24	4°21	0° 6	21°23	13°45	27°59	29°18	10° 4	21°56
S 5	4 56 13	13° 9'57	27°23	27°41	25°42	9°13	6°32	4°28	0° 9	21°22	13°44	27°52	29°15	10°10	22° 3
M 6	5 0 9	14°10'52	9♉23	29°12	26°58	9°56	6°41	4°35	0°13	21°20	13°43	27°44	29°12	10°17	22°11
T 7	5 4 6	15°11'47	21°18	0♉41	28°13	10°40	6°49	4°42	0°17	21°18	13°42	27°35	29° 8	10°24	22°19
W 8	5 8 2	16°12'44	3♈10	2°11	29°28	11°24	6°57	4°49	0°20	21°17	13°41	27°27	29° 5	10°30	22°27
T 9	5 11 59	17°13'42	15° 1	3°39	0♈43	12° 7	7° 5	4°56	0°24	21°15	13°40	27°20	29° 2	10°37	22°34
F 10	5 15 55	18°14'40	26°52	5° 7	1°59	12°51	7°12	5° 3	0°28	21°13	13°38	27°14	28°59	10°44	22°42
S 11	5 19 52	19°15'39	8♉45	6°34	3°14	13°35	7°20	5°10	0°31	21°12	13°37	27°10	28°56	10°50	22°49
S 12	5 23 48	20°16'40	20°41	8° 1	4°29	14°19	7°27	5°17	0°35	21°10	13°36	27° 8	28°53	10°57	22°57
M13	5 27 45	21°17'41	2♉44	9°25	5°45	15° 3	7°35	5°24	0°38	21° 8	13°35	27°D 8	28°49	11° 4	23° 4
T 14	5 31 42	22°18'43	14°57	10°49	7° 0	15°47	7°42	5°31	0°42	21° 7	13°34	27° 9	28°46	11°10	23°12
W15	5 35 38	23°19'45	27°23	12°11	8°16	16°31	7°49	5°38	0°45	21° 5	13°33	27°11	28°43	11°17	23°19
T 16	5 39 35	24°20'49	10♈ 5	13°31	9°31	17°15	7°56	5°45	0°49	21° 3	13°32	27°13	28°40	11°24	23°27
F 17	5 43 31	25°21'54	23° 8	14°48	10°46	17°59	8° 3	5°52	0°52	21° 1	13°30	27°R14	28°37	11°31	23°34
S 18	5 47 28	26°22'59	6♉35	16° 3	12° 2	18°43	8° 9	5°58	0°56	21° 0	13°29	27°13	28°33	11°37	23°41
S 19	5 51 24	27°24'05	20°28	17°14	13°17	19°27	8°16	6° 5	0°59	20°58	13°28	27°11	28°30	11°44	23°48
M20	5 55 21	28°25'12	4♈47	18°22	14°32	20°12	8°22	6°12	1° 3	20°56	13°27	27° 8	28°27	11°51	23°56
T 21	5 59 17	29°26'20	19°30	19°26	15°48	20°56	8°28	6°19	1° 6	20°55	13°26	27° 4	28°24	11°57	24° 3
W22	6 3 14	0♉27'29	4♈32	20°25	17° 3	21°40	8°34	6°25	1° 9	20°53	13°25	27° 0	28°21	12° 4	24°10
T 23	6 7 11	1°28'38	19°43	21°18	18°19	22°25	8°40	6°32	1°13	20°51	13°24	26°57	28°18	12°11	24°17
F 24	6 11 7	2°29'48	4♉54	22° 4	19°34	23° 9	8°46	6°39	1°16	20°50	13°23	26°54	28°14	12°17	24°24
S 25	6 15 4	3°30'58	19°55	22°43	20°50	23°54	8°51	6°46	1°19	20°48	13°22	26°D53	28°11	12°24	24°31
S 26	6 19 0	4°32'08	4♋38	23°14	22° 5	24°38	8°57	6°52	1°23	20°46	13°21	26°53	28° 8	12°31	24°38
M27	6 22 57	5°33'18	18°57	23°35	23°20	25°23	9° 2	6°59	1°26	20°45	13°19	26°54	28° 5	12°37	24°44
T 28	6 26 53	6°34'28	2♈48	23°47	24°36	26° 8	9° 7	7° 5	1°29	20°43	13°18	26°55	28° 2	12°44	24°51
W29	6 30 50	7°35'38	16°13	23°R48	25°51	26°52	9°12	7°12	1°32	20°41	13°17	26°57	27°59	12°51	24°58
T 30	6 34 47	8°36'48	29°12	23°37	27° 7	27°37	9°17	7°18	1°35	20°40	13°16	26°58	27°55	12°57	25° 4
F 31	6 38 43	9♉37'57	11♈49	23♈14	28♈22	28♈22	9♉21	7♈25	1♈38	20°II38	13°II15	26°R58	27♌52	13°II 4	25°II11

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