

SWISS EPHEMERIS for the year 1903

JANUARY 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	6 37 53	9°24'15	2♁19	20♁40	17♁19	5♁ 2	18♁20	27♁47	22♁32	2°R 7	18°R18	21°R38	21♁10	6♁19	15♁20
F 2	6 41 49	10°25'25	14°18	22°17	18°34	5°26	18°33	27°54	22°36	2♁ 5	18°17	21♁26	21° 7	6°26	15°26
S 3	6 45 46	11°26'36	26°21	23°54	19°50	5°50	18°46	28° 0	22°39	2° 4	18°16	21°15	21° 4	6°32	15°32
S 4	6 49 42	12°27'46	8♁34	25°31	21° 5	6°13	18°59	28° 7	22°43	2° 2	18°15	21° 8	21° 1	6°39	15°38
M 5	6 53 39	13°28'57	20°57	27° 7	22°21	6°36	19°12	28°14	22°46	2° 0	18°14	21° 4	20°58	6°46	15°43
T 6	6 57 35	14°30'06	3♁35	28°43	23°36	6°58	19°25	28°21	22°50	1°59	18°13	21° 2	20°55	6°53	15°49
W 7	7 1 32	15°31'16	16°33	0♁18	24°51	7°21	19°38	28°28	22°53	1°57	18°12	21° 2	20°51	6°59	15°55
T 8	7 5 29	16°32'25	29°55	1°52	26° 7	7°43	19°51	28°35	22°57	1°55	18°11	21° 2	20°48	7° 6	16° 0
F 9	7 9 25	17°33'33	13♁43	3°25	27°22	8° 4	20° 4	28°42	23° 0	1°54	18°10	21° 1	20°45	7°13	16° 6
S 10	7 13 22	18°34'42	28° 0	4°57	28°37	8°25	20°18	28°49	23° 3	1°52	18° 9	20°57	20°42	7°20	16°12
S 11	7 17 18	19°35'49	12♁43	6°26	29°53	8°46	20°31	28°57	23° 7	1°51	18° 8	20°51	20°39	7°26	16°18
M12	7 21 15	20°36'56	27°48	7°54	1♁ 8	9° 7	20°44	29° 4	23°10	1°49	18° 7	20°42	20°35	7°33	16°23
T 13	7 25 11	21°38'03	13♁ 6	9°20	2°23	9°27	20°58	29°11	23°13	1°47	18° 6	20°31	20°32	7°40	16°29
W14	7 29 8	22°39'09	28°26	10°42	3°39	9°47	21°11	29°18	23°17	1°46	18° 5	20°19	20°29	7°46	16°35
T 15	7 33 4	23°40'15	13♁37	12° 1	4°54	10° 7	21°25	29°25	23°20	1°44	18° 4	20° 8	20°26	7°53	16°40
F 16	7 37 1	24°41'20	28°27	13°15	6° 9	10°26	21°38	29°32	23°23	1°43	18° 3	19°59	20°23	8° 0	16°46
S 17	7 40 58	25°42'25	12♁51	14°25	7°25	10°44	21°52	29°39	23°27	1°41	18° 2	19°52	20°20	8° 7	16°52
S 18	7 44 54	26°43'30	26°44	15°29	8°40	11° 3	22° 6	29°46	23°30	1°40	18° 1	19°48	20°16	8°13	16°58
M19	7 48 51	27°44'34	10♁ 7	16°26	9°55	11°21	22°20	29°53	23°33	1°38	18° 0	19°46	20°13	8°20	17° 3
T 20	7 52 47	28°45'38	23° 2	17°16	11°10	11°38	22°33	0♁ 1	23°36	1°37	18° 0	19°46	20°10	8°27	17° 9
W21	7 56 44	29°46'42	5♁13	17°58	12°26	11°55	22°47	0° 8	23°39	1°35	17°59	19°46	20° 7	8°33	17°14
T 22	8 0 40	0♁47'45	17°50	18°31	13°41	12°12	23° 1	0°15	23°42	1°34	17°58	19°45	20° 4	8°40	17°20
F 23	8 4 37	1°48'48	29°53	18°55	14°56	12°28	23°15	0°22	23°45	1°32	17°57	19°42	20° 1	8°47	17°26
S 24	8 8 33	2°49'51	11♁47	19° 7	16°11	12°44	23°29	0°29	23°48	1°31	17°56	19°36	19°57	8°54	17°31
S 25	8 12 30	3°50'53	23°38	19°R 9	17°26	12°59	23°43	0°36	23°51	1°30	17°55	19°27	19°54	9° 0	17°37
M26	8 16 27	4°51'54	5♁28	18°59	18°42	13°14	23°57	0°43	23°54	1°28	17°55	19°15	19°51	9° 7	17°42
T 27	8 20 23	5°52'55	17°20	18°38	19°57	13°28	24°11	0°50	23°57	1°27	17°54	19° 2	19°48	9°14	17°48
W28	8 24 20	6°53'54	29°17	18° 5	21°12	13°42	24°25	0°58	24° 0	1°26	17°53	18°48	19°45	9°20	17°53
T 29	8 28 16	7°54'53	11♁18	17°22	22°27	13°55	24°39	1° 5	24° 3	1°24	17°53	18°34	19°41	9°27	17°59
F 30	8 32 13	8°55'51	23°25	16°30	23°42	14° 8	24°53	1°12	24° 6	1°23	17°52	18°21	19°38	9°34	18° 4
S 31	8 36 9	9°56'48	5♁40	15°29	24°57	14°20	25° 8	1♁19	24♁ 9	1♁22	17°51	18°12	19°35	9°41	18°10

Delta T = 1.17 sec.

FEBRUARY 1903

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	8 40 6	10°57'43	18♁ 3	14°R22	26♁12	14°32	25°22	1♁26	24♁12	1°R20	17°R51	18°R 5	19°32	9♁47	18♁15
M 2	8 44 2	11°58'38	0♁36	13°11	27°28	14°43	25°36	1°33	24°14	1♁19	17°50	18° 1	19°29	9°54	18°20
T 3	8 47 59	12°59'31	13°22	11°58	28°43	14°53	25°50	1°40	24°17	1°18	17°49	17°D59	19°26	10° 1	18°26
W 4	8 51 56	14° 0'22	26°22	10°44	29°58	15° 3	26° 5	1°47	24°20	1°17	17°49	17°59	19°22	10° 8	18°31
T 5	8 55 52	15° 1'13	9♁41	9°33	1♁13	15°13	26°19	1°54	24°23	1°16	17°48	18°R 0	19°19	10°14	18°36
F 6	8 59 49	16° 2'01	23°21	8°25	2°28	15°22	26°33	2° 1	24°25	1°15	17°48	18° 0	19°16	10°21	18°42
S 7	9 3 45	17° 2'49	7♁23	7°23	3°43	15°30	26°47	2° 8	24°28	1°13	17°47	17°58	19°13	10°28	18°47
S 8	9 7 42	18° 3'35	21°48	6°26	4°57	15°37	27° 2	2°15	24°30	1°12	17°47	17°54	19°10	10°34	18°52
M 9	9 11 38	19° 4'19	6♁32	5°37	6°12	15°44	27°16	2°22	24°33	1°11	17°46	17°47	19° 7	10°41	18°57
T 10	9 15 35	20° 5'02	21°30	4°56	7°27	15°51	27°31	2°29	24°35	1°10	17°46	17°39	19° 3	10°48	19° 2
W11	9 19 31	21° 5'43	6♁34	4°23	8°42	15°56	27°45	2°36	24°38	1° 9	17°45	17°30	19° 0	10°55	19° 7
T 12	9 23 28	22° 6'23	21°33	3°58	9°57	16° 1	27°59	2°43	24°40	1° 8	17°45	17°21	18°57	11° 1	19°12
F 13	9 27 25	23° 7'01	6♁19	3°41	11°12	16° 6	28°14	2°50	24°42	1° 8	17°44	17°14	18°54	11° 8	19°17
S 14	9 31 21	24° 7'38	20°43	3°32	12°26	16° 9	28°28	2°56	24°45	1° 7	17°44	17° 8	18°51	11°15	19°22
S 15	9 35 18	25° 8'13	4♁40	3°D30	13°41	16°12	28°43	3° 3	24°47	1° 6	17°44	17° 5	18°47	11°21	19°27
M16	9 39 14	26° 8'48	18°10	3°35	14°56	16°15	28°57	3°10	24°49	1° 5	17°43	17°D 5	18°44	11°28	19°32
T 17	9 43 11	27° 9'21	1♁13	3°47	16°11	16°16	29°11	3°17	24°51	1° 4	17°43	17° 5	18°41	11°35	19°37
W18	9 47 7	28° 9'53	13°53	4° 4	17°25	16°17	29°26	3°23	24°53	1° 3	17°43	17° 7	18°38	11°42	19°42
T 19	9 51 4	29°10'24	26°13	4°28	18°40	16°R17	29°40	3°30	24°55	1° 3	17°42	17°R 8	18°35	11°48	19°47
F 20	9 55 0	0♁10'53	8♁18	4°57	19°55	16°16	29°55	3°37	24°57	1° 2	17°42	17° 7	18°32	11°55	19°51
S 21	9 58 57	1°11'21	20°14	5°30	21° 9	16°15	0♁ 9	3°43	24°59	1° 1	17°42	17° 5	18°28	12° 2	19°56
S 22	10 2 54	2°11'48	2♁ 5	6° 9	22°24	16°13	0°24	3°50	25° 1	1° 1	17°42	17° 1	18°25	12° 9	20° 1
M23	10 6 50	3°12'13	13°56	6°51	23°38	16°10	0°38	3°57	25° 3	1° 0	17°41	16°55	18°22	12°15	20° 5
T 24	10 10 47	4°12'37	25°51	7°37	24°53	16° 6	0°53	4° 3	25° 5	0°59	17°41	16°47	18°19	12°22	20°10
W25	10 14 43	5°12'59	7♁51	8°27	26° 7	16° 2	1° 7	4°10	25° 7	0°59	17°41	16°39	18°16	12°29	20°14
T 26	10 18 40	6°13'20	20° 0	9°20	27°22	15°57	1°22	4°16	25° 9	0°58	17°41	16°31	18°13	12°35	20°19
F 27	10 22 36	7°13'39	2♁19	10°16	28°36	15°51	1°36	4°22	25°10	0°58	17°41	16°24	18° 9	12°42	20°23
S 28	10 26 33	8♁13'56	14♁48	11°15	29♁51	15°44	1♁50	4♁29	25♁12	0♁57	17°41	16°19	18° 6	12♁49	20♁28

Delta T = 1.29 sec.

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SWISS EPHEMERIS for the year 1903

MARCH 1903

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	10 30 29	9 ^h 14'12	27 ^h 28	12 ^h 17	1 ^h 5	15 ^h R36	2 ^h 5	4 ^h 35	25 ^h 14	0 ^h R57	17 ^h R41	16 ^h R15	18 ^h 3	12 ^h 56	20 ^h 32
M 2	10 34 26	10 ^h 14'25	10 ^h Y20	13 ^h 21	2 ^h 19	15 ^h 28	2 ^h 19	4 ^h 41	25 ^h 15	0 ^h 56	17 ^h II41	16 ^h D13	18 ^h 0	13 ^h 2	20 ^h 36
T 3	10 38 22	11 ^h 14'37	23 ^h 23	14 ^h 28	3 ^h 34	15 ^h 19	2 ^h 34	4 ^h 48	25 ^h 17	0 ^h 56	17 ^h D41	16 ^h 13	17 ^h 57	13 ^h 9	20 ^h 40
W 4	10 42 19	12 ^h 14'47	6 ^h 40	15 ^h 36	4 ^h 48	15 ^h 9	2 ^h 48	4 ^h 54	25 ^h 18	0 ^h 56	17 ^h 41	16 ^h 15	17 ^h 53	13 ^h 16	20 ^h 44
T 5	10 46 16	13 ^h 14'54	20 ^h 9	16 ^h 47	6 ^h 2	14 ^h 58	3 ^h 2	5 ^h 0	25 ^h 20	0 ^h 55	17 ^h 41	16 ^h 16	17 ^h 50	13 ^h 22	20 ^h 48
F 6	10 50 12	14 ^h 15'00	3 ^h II53	18 ^h 0	7 ^h 16	14 ^h 47	3 ^h 17	5 ^h 6	25 ^h 21	0 ^h 55	17 ^h 41	16 ^h 18	17 ^h 47	13 ^h 29	20 ^h 53
S 7	10 54 9	15 ^h 15'03	17 ^h 51	19 ^h 14	8 ^h 30	14 ^h 34	3 ^h 31	5 ^h 12	25 ^h 22	0 ^h 55	17 ^h 41	16 ^h R18	17 ^h 44	13 ^h 36	20 ^h 56
S 8	10 58 5	16 ^h 15'04	2 ^h 53	20 ^h 30	9 ^h 44	14 ^h 21	3 ^h 45	5 ^h 18	25 ^h 24	0 ^h 55	17 ^h 41	16 ^h 17	17 ^h 41	13 ^h 43	21 ^h 0
M 9	11 2 2	17 ^h 15'03	16 ^h 27	21 ^h 48	10 ^h 58	14 ^h 8	3 ^h 59	5 ^h 24	25 ^h 25	0 ^h 55	17 ^h 41	16 ^h 15	17 ^h 38	13 ^h 49	21 ^h 4
T 10	11 5 58	18 ^h 15'00	0 ^h 59	23 ^h 8	12 ^h 12	13 ^h 53	4 ^h 14	5 ^h 30	25 ^h 26	0 ^h 55	17 ^h 41	16 ^h 11	17 ^h 34	13 ^h 56	21 ^h 8
W11	11 9 55	19 ^h 14'55	15 ^h 35	24 ^h 29	13 ^h 26	13 ^h 38	4 ^h 28	5 ^h 36	25 ^h 27	0 ^h 54	17 ^h 41	16 ^h 7	17 ^h 31	14 ^h 3	21 ^h 12
T 12	11 13 51	20 ^h 14'47	0 ^h II8	25 ^h 51	14 ^h 40	13 ^h 23	4 ^h 42	5 ^h 41	25 ^h 28	0 ^h 54	17 ^h 41	16 ^h 4	17 ^h 28	14 ^h 10	21 ^h 15
F 13	11 17 48	21 ^h 14'38	14 ^h 31	27 ^h 15	15 ^h 54	13 ^h 6	4 ^h 56	5 ^h 47	25 ^h 29	0 ^h D54	17 ^h 42	16 ^h 0	17 ^h 25	14 ^h 16	21 ^h 19
S 14	11 21 45	22 ^h 14'26	28 ^h 39	28 ^h 41	17 ^h 8	12 ^h 49	5 ^h 10	5 ^h 53	25 ^h 30	0 ^h 54	17 ^h 42	15 ^h 58	17 ^h 22	14 ^h 23	21 ^h 23
S 15	11 25 41	23 ^h 14'13	12 ^h 28	0 ^h II8	18 ^h 22	12 ^h 31	5 ^h 25	5 ^h 58	25 ^h 31	0 ^h 54	17 ^h 42	15 ^h D57	17 ^h 18	14 ^h 30	21 ^h 26
M16	11 29 38	24 ^h 13'57	25 ^h 55	1 ^h 36	19 ^h 35	12 ^h 13	5 ^h 39	6 ^h 4	25 ^h 32	0 ^h 54	17 ^h 42	15 ^h 58	17 ^h 15	14 ^h 36	21 ^h 29
T 17	11 33 34	25 ^h 13'40	8 ^h II59	3 ^h 6	20 ^h 49	11 ^h 54	5 ^h 53	6 ^h 9	25 ^h 33	0 ^h 55	17 ^h 43	15 ^h 59	17 ^h 12	14 ^h 43	21 ^h 33
W18	11 37 31	26 ^h 13'21	21 ^h 41	4 ^h 36	22 ^h 3	11 ^h 35	6 ^h 7	6 ^h 15	25 ^h 33	0 ^h 55	17 ^h 43	16 ^h 0	17 ^h 9	14 ^h 50	21 ^h 36
T 19	11 41 27	27 ^h 13'00	4 ^h II6	6 ^h 9	23 ^h 16	11 ^h 15	6 ^h 21	6 ^h 20	25 ^h 34	0 ^h 55	17 ^h 43	16 ^h 2	17 ^h 6	14 ^h 57	21 ^h 39
F 20	11 45 24	28 ^h 12'38	16 ^h 15	7 ^h 42	24 ^h 30	10 ^h 54	6 ^h 35	6 ^h 26	25 ^h 35	0 ^h 55	17 ^h 44	16 ^h 3	17 ^h 3	15 ^h 3	21 ^h 43
S 21	11 49 20	29 ^h 12'13	28 ^h 14	9 ^h 17	25 ^h 43	10 ^h 33	6 ^h 49	6 ^h 31	25 ^h 35	0 ^h 55	17 ^h 44	16 ^h R3	16 ^h 59	15 ^h 10	21 ^h 46
S 22	11 53 17	0 ^h Y11'48	10 ^h 3	10 ^h 53	26 ^h 57	10 ^h 12	7 ^h 2	6 ^h 36	25 ^h 36	0 ^h 56	17 ^h 44	16 ^h 3	16 ^h 56	15 ^h 17	21 ^h 49
M23	11 57 14	1 ^h 11'20	22 ^h 0	12 ^h 31	28 ^h 10	9 ^h 50	7 ^h 16	6 ^h 41	25 ^h 36	0 ^h 56	17 ^h 45	16 ^h 2	16 ^h 53	15 ^h 24	21 ^h 52
T 24	12 1 10	2 ^h 10'50	3 ^h 56	14 ^h 9	29 ^h 24	9 ^h 28	7 ^h 30	6 ^h 46	25 ^h 37	0 ^h 56	17 ^h 45	16 ^h 0	16 ^h 50	15 ^h 30	21 ^h 55
W25	12 5 7	3 ^h 10'19	16 ^h 0	15 ^h 49	0 ^h II37	9 ^h 6	7 ^h 44	6 ^h 51	25 ^h 37	0 ^h 57	17 ^h 46	15 ^h 58	16 ^h 47	15 ^h 37	21 ^h 57
T 26	12 9 3	4 ^h 9'46	28 ^h 15	17 ^h 31	1 ^h 50	8 ^h 43	7 ^h 58	6 ^h 56	25 ^h 37	0 ^h 57	17 ^h 46	15 ^h 57	16 ^h 44	15 ^h 44	22 ^h 0
F 27	12 13 0	5 ^h 9'10	10 ^h II43	19 ^h 13	3 ^h 4	8 ^h 20	8 ^h 11	7 ^h 1	25 ^h 38	0 ^h 58	17 ^h 47	15 ^h 55	16 ^h 40	15 ^h 50	22 ^h 3
S 28	12 16 56	6 ^h 8'33	23 ^h 26	20 ^h 58	4 ^h 17	7 ^h 57	8 ^h 25	7 ^h 6	25 ^h 38	0 ^h 58	17 ^h 47	15 ^h 54	16 ^h 37	15 ^h 57	22 ^h 5
S 29	12 20 53	7 ^h 7'54	6 ^h Y24	22 ^h 43	5 ^h 30	7 ^h 34	8 ^h 38	7 ^h 10	25 ^h 38	0 ^h 59	17 ^h 48	15 ^h 53	16 ^h 34	16 ^h 4	22 ^h 8
M30	12 24 49	8 ^h 7'13	19 ^h 39	24 ^h 30	6 ^h 43	7 ^h 10	8 ^h 52	7 ^h 15	25 ^h 38	0 ^h 59	17 ^h 48	15 ^h D53	16 ^h 31	16 ^h 11	22 ^h 10
T 31	12 28 46	9 ^h Y6'30	3 ^h 7	26 ^h II18	7 ^h 56	6 ^h 47	9 ^h II5	7 ^h 20	25 ^h 38	1 ^h 0	17 ^h II49	15 ^h 54	16 ^h 28	16 ^h 17	22 ^h 13

Delta T = 1.40 sec.

APRIL 1903

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	12 32 42	10 ^h Y5'44	16 ^h 8'49	28 ^h 7	9 ^h 8	6 ^h R24	9 ^h II19	7 ^h 24	25 ^h R38	1 ^h 0	17 ^h II50	15 ^h 54	16 ^h 24	16 ^h 24	22 ^h 15
T 2	12 36 39	11 ^h 4'57	0 ^h II41	29 ^h 58	10 ^h 22	6 ^h 1	9 ^h 32	7 ^h 29	25 ^h 38	1 ^h 1	17 ^h 50	15 ^h 55	16 ^h 21	16 ^h 31	22 ^h 17
F 3	12 40 36	12 ^h 4'07	14 ^h 42	1 ^h Y50	11 ^h 35	5 ^h 37	9 ^h 46	7 ^h 33	25 ^h 38	1 ^h 2	17 ^h 51	15 ^h 55	16 ^h 18	16 ^h 37	22 ^h 20
S 4	12 44 32	13 ^h 3'15	28 ^h 49	3 ^h 44	12 ^h 47	5 ^h 14	9 ^h 59	7 ^h 37	25 ^h 38	1 ^h 2	17 ^h 52	15 ^h 55	16 ^h 15	16 ^h 44	22 ^h 22
S 5	12 48 29	14 ^h 2'20	13 ^h 5	5 ^h 39	14 ^h 0	4 ^h 51	10 ^h 12	7 ^h 41	25 ^h 38	1 ^h 3	17 ^h 52	15 ^h R55	16 ^h 12	16 ^h 51	22 ^h 24
M 6	12 52 25	15 ^h 1'24	27 ^h 15	7 ^h 35	15 ^h 13	4 ^h 29	10 ^h 25	7 ^h 45	25 ^h 38	1 ^h 4	17 ^h 53	15 ^h 55	16 ^h 9	16 ^h 58	22 ^h 26
T 7	12 56 22	16 ^h 0'24	11 ^h II28	9 ^h 33	16 ^h 26	4 ^h 7	10 ^h 38	7 ^h 49	25 ^h 37	1 ^h 5	17 ^h 54	15 ^h D55	16 ^h 5	17 ^h 4	22 ^h 28
W 8	13 0 18	16 ^h 59'23	25 ^h 37	11 ^h 32	17 ^h 38	3 ^h 45	10 ^h 51	7 ^h 53	25 ^h 37	1 ^h 6	17 ^h 54	15 ^h 55	16 ^h 2	17 ^h 11	22 ^h 29
T 9	13 4 15	17 ^h 58'19	9 ^h II41	13 ^h 33	18 ^h 51	3 ^h 23	11 ^h 4	7 ^h 57	25 ^h 37	1 ^h 6	17 ^h 55	15 ^h 55	15 ^h 59	17 ^h 18	22 ^h 31
F 10	13 8 11	18 ^h 57'13	23 ^h 35	15 ^h 34	20 ^h 3	3 ^h 2	11 ^h 17	8 ^h 1	25 ^h 36	1 ^h 7	17 ^h 56	15 ^h 56	15 ^h 56	17 ^h 25	22 ^h 33
S 11	13 12 8	19 ^h 56'04	7 ^h II18	17 ^h 37	21 ^h 15	2 ^h 41	11 ^h 30	8 ^h 5	25 ^h 36	1 ^h 8	17 ^h 57	15 ^h 56	15 ^h 53	17 ^h 31	22 ^h 34
S 12	13 16 5	20 ^h 54'54	20 ^h 46	19 ^h 41	22 ^h 28	2 ^h 21	11 ^h 43	8 ^h 8	25 ^h 35	1 ^h 9	17 ^h 58	15 ^h R56	15 ^h 49	17 ^h 38	22 ^h 36
M13	13 20 1	21 ^h 53'42	3 ^h II57	21 ^h 46	23 ^h 40	2 ^h 1	11 ^h 56	8 ^h 12	25 ^h 34	1 ^h 10	17 ^h 58	15 ^h 56	15 ^h 46	17 ^h 45	22 ^h 37
T 14	13 23 58	22 ^h 52'28	16 ^h 52	23 ^h 51	24 ^h 52	1 ^h 41	12 ^h 8	8 ^h 15	25 ^h 34	1 ^h 11	17 ^h 59	15 ^h 55	15 ^h 43	17 ^h 51	22 ^h 39
W15	13 27 54	23 ^h 51'12	29 ^h 31	25 ^h 58	26 ^h 4	1 ^h 23	12 ^h 21	8 ^h 19	25 ^h 33	1 ^h 12	18 ^h 0	15 ^h 54	15 ^h 40	17 ^h 58	22 ^h 40
T 16	13 31 51	24 ^h 49'54	11 ^h II54	28 ^h 4	27 ^h 16	1 ^h 4	12 ^h 33	8 ^h 22	25 ^h 32	1 ^h 13	18 ^h 1	15 ^h 53	15 ^h 37	18 ^h 5	22 ^h 41
F 17	13 35 47	25 ^h 48'34	24 ^h 4	0 ^h II11	28 ^h 28	0 ^h 47	12 ^h 46	8 ^h 25	25 ^h 32	1 ^h 15	18 ^h 2	15			

SWISS EPHEMERIS for the year 1903

MAY 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	14 30 59	9♁27'00	25♂ 9	27♁31	15♂ 8	27°R55	15♁32	9♁ 1	25°R16	1♁33	18♂16	15°R45	14♁49	19♁46	22°R49
S 2	14 34 56	10°25'14	9♁37	29° 7	16°19	27♁49	15°43	9° 3	25°R14	1°35	18°17	15♁42	14°46	19°52	22♁49
S 3	14 38 52	11°23'27	24° 1	0♂40	17°30	27°43	15°54	9° 4	25°13	1°36	18°19	15°40	14°43	19°59	22°49
M 4	14 42 49	12°21'37	8♂17	2° 8	18°41	27°39	16° 5	9° 6	25°11	1°38	18°20	15°D39	14°40	20° 6	22°49
T 5	14 46 45	13°19'44	22°22	3°33	19°51	27°35	16°16	9° 8	25° 9	1°39	18°21	15°39	14°36	20°13	22°49
W 6	14 50 42	14°17'50	6♁16	4°53	21° 2	27°31	16°27	9° 9	25° 8	1°41	18°22	15°40	14°33	20°19	22°48
T 7	14 54 38	15°15'54	19°57	6° 9	22°12	27°29	16°37	9°10	25° 6	1°43	18°23	15°42	14°30	20°26	22°48
F 8	14 58 35	16°13'56	3♁26	7°21	23°22	27°27	16°48	9°12	25° 5	1°44	18°25	15°43	14°27	20°33	22°47
S 9	15 2 32	17°11'56	16°42	8°28	24°33	27°26	16°59	9°13	25° 3	1°46	18°26	15°R44	14°24	20°39	22°47
S 10	15 6 28	18° 9'55	29°46	9°31	25°43	27°D26	17° 9	9°14	25° 1	1°48	18°27	15°43	14°21	20°46	22°46
M11	15 10 25	19° 7'52	12♂38	10°30	26°53	27°27	17°19	9°15	24°59	1°49	18°28	15°40	14°17	20°53	22°45
T 12	15 14 21	20° 5'47	25°17	11°24	28° 3	27°28	17°29	9°16	24°57	1°51	18°29	15°36	14°14	21° 0	22°44
W13	15 18 18	21° 3'41	7♁45	12°13	29°12	27°30	17°39	9°17	24°56	1°53	18°31	15°31	14°11	21° 6	22°43
T 14	15 22 14	22° 1'33	20° 1	12°58	0♁22	27°33	17°49	9°17	24°54	1°55	18°32	15°24	14° 8	21°13	22°42
F 15	15 26 11	22°59'24	2♁ 8	13°38	1°32	27°37	17°59	9°18	24°52	1°57	18°33	15°18	14° 5	21°20	22°41
S 16	15 30 7	23°57'14	14° 7	14°14	2°41	27°41	18° 9	9°18	24°50	1°58	18°35	15°12	14° 1	21°27	22°40
S 17	15 34 4	24°55'02	26° 0	14°44	3°51	27°46	18°18	9°19	24°48	2° 0	18°36	15° 7	13°58	21°33	22°39
M18	15 38 1	25°52'49	7♁53	15°10	5° 0	27°52	18°28	9°19	24°46	2° 2	18°37	15° 3	13°55	21°40	22°38
T 19	15 41 57	26°50'35	19°48	15°31	6° 9	27°58	18°37	9°19	24°44	2° 4	18°38	15° 1	13°52	21°47	22°36
W20	15 45 54	27°48'20	1♁50	15°47	7°18	28° 5	18°46	9°19	24°42	2° 6	18°40	15°D 1	13°49	21°53	22°35
T 21	15 49 50	28°46'03	14° 5	15°58	8°27	28°13	18°56	9°R19	24°39	2° 8	18°41	15° 2	13°46	22° 0	22°33
F 22	15 53 47	29°43'46	26°37	16° 4	9°36	28°21	19° 5	9°19	24°37	2°10	18°42	15° 4	13°42	22° 7	22°32
S 23	15 57 43	0♂41'28	9♁30	16°R 5	10°45	28°30	19°13	9°19	24°35	2°12	18°44	15°R 5	13°39	22°14	22°30
S 24	16 1 40	1°39'08	22°48	16° 2	11°53	28°40	19°22	9°19	24°33	2°14	18°45	15° 4	13°36	22°20	22°29
M25	16 5 36	2°36'47	6♁32	15°55	13° 2	28°50	19°31	9°18	24°31	2°16	18°46	15° 2	13°33	22°27	22°27
T 26	16 9 33	3°34'26	20°41	15°43	14°10	29° 1	19°39	9°18	24°29	2°18	18°48	14°58	13°30	22°34	22°25
W27	16 13 29	4°32'03	5♂12	15°27	15°18	29°12	19°47	9°17	24°26	2°20	18°49	14°53	13°26	22°40	22°23
T 28	16 17 26	5°29'39	19°58	15° 7	16°26	29°24	19°56	9°17	24°24	2°22	18°51	14°45	13°23	22°47	22°21
F 29	16 21 23	6°27'14	4♁52	14°44	17°34	29°37	20° 4	9°16	24°22	2°24	18°52	14°37	13°20	22°54	22°19
S 30	16 25 19	7°24'48	19°44	14°18	18°42	29°50	20°12	9°15	24°20	2°26	18°53	14°30	13°17	23° 1	22°17
S 31	16 29 16	8♂22'20	4♂27	13♂49	19♁50	0♁ 4	20♁19	9♁14	24♁17	2♁28	18♂55	14♁24	13♁14	23♁ 7	22♁15

Delta T = 1.64 sec.

JUNE 1903

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	16 33 12	9♂19'51	18♂55	13°R19	20♁57	0♁18	20♁27	9°R13	24°R15	2♁30	18♂56	14°R21	13♁11	23♁14	22°R13
T 2	16 37 9	10°17'21	3♂ 4	12♂46	22° 5	0°33	20°35	9♁12	24°R13	2°32	18°57	14♁19	13° 7	23°21	22♁10
W 3	16 41 5	11°14'49	16°53	12°13	23°12	0°48	20°42	9°11	24°10	2°34	18°59	14°D19	13° 4	23°28	22° 8
T 4	16 45 2	12°12'16	0♁23	11°40	24°19	1° 4	20°49	9° 9	24° 8	2°36	19° 0	14°19	13° 1	23°34	22° 5
F 5	16 48 59	13° 9'42	13°36	11° 6	25°26	1°21	20°56	9° 8	24° 5	2°38	19° 2	14°R20	12°58	23°41	22° 3
S 6	16 52 55	14° 7'06	26°33	10°34	26°32	1°38	21° 3	9° 6	24° 3	2°40	19° 3	14°19	12°55	23°48	22° 0
S 7	16 56 52	15° 4'30	9♂17	10° 2	27°39	1°55	21°10	9° 5	24° 1	2°43	19° 4	14°17	12°52	23°54	21°58
M 8	17 0 48	16° 1'52	21°50	9°33	28°45	2°13	21°16	9° 3	23°58	2°45	19° 6	14°11	12°48	24° 1	21°55
T 9	17 4 45	16°59'14	4♁14	9° 6	29°51	2°31	21°23	9° 1	23°56	2°47	19° 7	14° 3	12°45	24° 8	21°53
W10	17 8 41	17°56'34	16°29	8°41	0♁57	2°50	21°29	8°59	23°53	2°49	19° 9	13°53	12°42	24°15	21°50
T 11	17 12 38	18°53'54	28°36	8°20	2° 3	3° 9	21°35	8°57	23°51	2°51	19°10	13°42	12°39	24°21	21°47
F 12	17 16 34	19°51'13	10♁36	8° 3	3° 9	3°29	21°41	8°55	23°48	2°53	19°11	13°30	12°36	24°28	21°44
S 13	17 20 31	20°48'32	22°32	7°49	4°14	3°49	21°47	8°53	23°46	2°56	19°13	13°19	12°32	24°35	21°41
S 14	17 24 28	21°45'50	4♁24	7°39	5°19	4° 9	21°52	8°51	23°44	2°58	19°14	13° 9	12°29	24°41	21°38
M15	17 28 24	22°43'07	16°15	7°34	6°24	4°30	21°58	8°49	23°41	3° 0	19°16	13° 1	12°26	24°48	21°36
T 16	17 32 21	23°40'25	28° 9	7°D33	7°29	4°51	22° 3	8°46	23°39	3° 2	19°17	12°56	12°23	24°55	21°33
W17	17 36 17	24°37'41	10♁10	7°36	8°34	5°13	22° 8	8°44	23°36	3° 4	19°18	12°53	12°20	25° 2	21°29
T 18	17 40 14	25°34'58	22°23	7°44	9°38	5°35	22°13	8°41	23°34	3° 7	19°20	12°D52	12°17	25° 8	21°26
F 19	17 44 10	26°32'14	4♁52	7°57	10°42	5°57	22°18	8°38	23°31	3° 9	19°21	12°52	12°13	25°15	21°23
S 20	17 48 7	27°29'30	17°42	8°14	11°46	6°20	22°23	8°36	23°29	3°11	19°23	12°R52	12°10	25°22	21°20
S 21	17 52 3	28°26'45	0♁58	8°36	12°50	6°43	22°27	8°33	23°26	3°13	19°24	12°51	12° 7	25°29	21°17
M22	17 56 0	29°24'01	14°43	9° 3	13°53	7° 7	22°31	8°30	23°24	3°16	19°25	12°48	12° 4	25°35	21°14
T 23	17 59 57	0♁21'16	28°56	9°34	14°56	7°31	22°35	8°27	23°22	3°18	19°27	12°42	12° 1	25°42	21°10
W24	18 3 53	1°18'32	13♂36	10°10	15°59	7°55	22°39	8°24	23°19	3°20	19°28	12°34	11°58	25°49	21° 7
T 25	18 7 50	2°15'47	28°36	10°50	17° 2	8°20	22°43	8°21	23°17	3°22	19°29	12°24	11°54	25°55	21° 4
F 26	18 11 46	3°13'01	13♁48	11°34	18° 4	8°45	22°47	8°18	23°14	3°25	19°31	12°13	11°51	26° 2	21° 0
S 27	18 15 43	4°10'16	29° 0	12°23	19° 7	9°10	22°50	8°15	23°12	3°27	19°32	12° 3	11°48	26° 9	20°57
S 28	18 19 39	5° 7'30	14♂ 2	13°16	20° 8	9°36	22°53	8°11	23°10	3°29	19°34	11°55	11°45	26°16	20°53
M29	18 23 36	6° 4'43	28°45	14°14	21°10	10° 2	22°56	8° 8	23° 7	3°31	19°35	11°49	11°42	26°22	20°50
T 30	18 27 32	7♁ 1'56	13♂ 5	15♂15	22♂11	10♁28	22♁59	8♁ 5	23♁ 5	3♁33	19♂36	11♁45	11♁38	26♁29	20♁47

Delta T = 1.76 sec.

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SWISS EPHEMERIS for the year 1903

JULY 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	18 31 29	7 ⁵⁹ 59'09	26 ^{mp} 59	16 ^{II} 20	23 ^Ω 12	10 ^Ω 54	23 [♄] 2	8 ^R 1	23 ^R 2	3 [♃] 36	19 ^{II} 38	11 ^R 44	11 ^Ω 35	26 [♃] 36	20 ^R 43
T 2	18 35 26	8 ⁵⁶ '21	10 [♂] 28	17 ³⁰	24 ¹³	11 ²¹	23 [♄] 4	7 [♂] 57	23 [♄] 0	3 [♃] 38	19 ³⁹	11 [♂] 44	11 ³²	26 [♂] 42	20 [♃] 40
F 3	18 39 22	9 ⁵³ '33	23 ³⁵	18 ⁴³	25 ¹³	11 ⁴⁸	23 [♄] 6	7 ⁵⁴	22 ⁵⁸	3 ⁴⁰	19 ⁴⁰	11 ⁴³	11 ²⁹	26 ⁴⁹	20 ³⁶
S 4	18 43 19	10 ⁵⁰ '45	6 ^{II} 23	20 [°] 1	26 ¹³	12 ¹⁶	23 [♄] 8	7 ⁵⁰	22 ⁵⁵	3 ⁴²	19 ⁴²	11 ⁴²	11 ²⁶	26 ⁵⁶	20 ³²
S 5	18 47 15	11 ⁴⁷ '56	18 ⁵⁵	21 ²²	27 ¹²	12 ⁴⁴	23 ¹⁰	7 ⁴⁶	22 ⁵³	3 ⁴⁵	19 ⁴³	11 ³⁸	11 ²³	27 [°] 3	20 ²⁹
M 6	18 51 12	12 ⁴⁵ '07	1 [♂] 16	22 ⁴⁷	28 ¹¹	13 ¹²	23 ¹²	7 ⁴³	22 ⁵¹	3 ⁴⁷	19 ⁴⁴	11 ³²	11 ¹⁹	27 [°] 9	20 ²⁵
T 7	18 55 8	13 ⁴² '18	13 ²⁷	24 ¹⁶	29 ¹⁰	13 ⁴⁰	23 ¹³	7 ³⁹	22 ⁴⁹	3 ⁴⁹	19 ⁴⁶	11 ²³	11 ¹⁶	27 ¹⁶	20 ²²
W 8	18 59 5	14 ³⁹ '29	25 ³²	25 ⁴⁸	0 ^{mp} 8	14 [°] 8	23 ¹⁵	7 ³⁵	22 ⁴⁶	3 ⁵¹	19 ⁴⁷	11 ¹¹	11 ¹³	27 ²³	20 ¹⁸
T 9	19 3 1	15 ³⁶ '40	7 [♃] 31	27 ²⁴	1 [°] 6	14 ³⁷	23 ¹⁶	7 ³¹	22 ⁴⁴	3 ⁵³	19 ⁴⁸	10 ⁵⁸	11 ¹⁰	27 ²⁹	20 ¹⁵
F 10	19 6 58	16 ³³ '51	19 ²⁶	29 [°] 4	2 [°] 4	15 [°] 6	23 ¹⁷	7 ²⁷	22 ⁴²	3 ⁵⁶	19 ⁴⁹	10 ⁴⁵	11 [°] 7	27 ³⁶	20 ¹¹
S 11	19 10 55	17 ³¹ '02	1 [♂] 18	0 [♂] 47	3 [°] 1	15 ³⁶	23 ¹⁷	7 ²³	22 ⁴⁰	3 ⁵⁸	19 ⁵¹	10 ³¹	11 [°] 4	27 ⁴³	20 [°] 7
S 12	19 14 51	18 ²⁸ '14	13 ¹⁰	2 ³³	3 ⁵⁷	16 [°] 5	23 ¹⁸	7 ¹⁹	22 ³⁸	4 [°] 0	19 ⁵²	10 ²⁰	11 [°] 0	27 ⁵⁰	20 [°] 4
M 13	19 18 48	19 ²⁵ '26	25 [°] 3	4 ²³	4 ⁵³	16 ³⁵	23 ¹⁸	7 ¹⁵	22 ³⁶	4 [°] 2	19 ⁵³	10 ¹⁰	10 ⁵⁷	27 ⁵⁶	20 [°] 0
T 14	19 22 44	20 ²² '38	6 [♄] 58	6 ¹⁶	5 ⁴⁹	17 [°] 5	23 ^R 18	7 ¹¹	22 ³⁴	4 [°] 4	19 ⁵⁴	10 [°] 4	10 ⁵⁴	28 [°] 3	19 ⁵⁶
W 15	19 26 41	21 ¹⁹ '50	19 [°] 1	8 ¹¹	6 ⁴⁴	17 ³⁵	23 ¹⁸	7 [°] 7	22 ³²	4 [°] 6	19 ⁵⁶	10 [°] 0	10 ⁵¹	28 ¹⁰	19 ⁵³
T 16	19 30 37	22 ¹⁷ '04	1 [♀] 14	10 [°] 9	7 ³⁹	18 [°] 6	23 ¹⁸	7 [°] 2	22 ³⁰	4 [°] 9	19 ⁵⁷	9 ⁵⁹	10 ⁴⁸	28 ¹⁷	19 ⁴⁹
F 17	19 34 34	23 ¹⁴ '18	13 ⁴²	12 [°] 9	8 ³³	18 ³⁷	23 ¹⁸	6 ⁵⁸	22 ²⁸	4 ¹¹	19 ⁵⁸	9 ^D 58	10 ⁴⁴	28 ²³	19 ⁴⁶
S 18	19 38 30	24 ¹¹ '32	26 ²⁹	14 ¹¹	9 ²⁶	19 [°] 8	23 ¹⁷	6 ⁵⁴	22 ²⁶	4 ¹³	19 ⁵⁹	9 ^R 58	10 ⁴¹	28 ³⁰	19 ⁴²
S 19	19 42 27	25 [°] 8'47	9 [♂] 41	16 ¹⁵	10 ¹⁹	19 ³⁹	23 ¹⁶	6 ⁵⁰	22 ²⁴	4 ¹⁵	20 [°] 0	9 ⁵⁸	10 ³⁸	28 ³⁷	19 ³⁸
M 20	19 46 24	26 [°] 6'04	23 ²⁰	18 ²⁰	11 ¹²	20 ¹⁰	23 ¹⁵	6 ⁴⁵	22 ²²	4 ¹⁷	20 [°] 2	9 ⁵⁵	10 ³⁵	28 ⁴³	19 ³⁵
T 21	19 50 20	27 [°] 3'21	7 ^{II} 28	20 ²⁶	12 [°] 4	20 ⁴²	23 ¹⁴	6 ⁴¹	22 ²⁰	4 ¹⁹	20 [°] 3	9 ⁵⁰	10 ³²	28 ⁵⁰	19 ³¹
W 22	19 54 17	28 [°] 0'38	22 [°] 4	22 ³³	12 ⁵⁵	21 ¹⁴	23 ¹²	6 ³⁷	22 ¹⁸	4 ²¹	20 [°] 4	9 ⁴³	10 ²⁹	28 ⁵⁷	19 ²⁸
T 23	19 58 13	28 ⁵⁷ '57	7 [♂] 3	24 ⁴⁰	13 ⁴⁵	21 ⁴⁶	23 ¹¹	6 ³²	22 ¹⁶	4 ²³	20 [°] 5	9 ³⁴	10 ²⁵	29 [°] 4	19 ²⁴
F 24	20 2 10	29 ⁵⁵ '16	22 ¹⁷	26 ⁴⁸	14 ³⁵	22 ¹⁸	23 [°] 9	6 ²⁸	22 ¹⁴	4 ²⁵	20 [°] 6	9 ²⁴	10 ²²	29 ¹⁰	19 ²¹
S 25	20 6 6	0 ^Ω 52'36	7 ^Ω 35	28 ⁵⁵	15 ²⁴	22 ⁵¹	23 [°] 7	6 ²³	22 ¹³	4 ²⁸	20 [°] 7	9 ¹⁵	10 ¹⁹	29 ¹⁷	19 ¹⁷
S 26	20 10 3	1 ⁴⁹ '56	22 ⁴⁷	1 ^Ω 2	16 ¹³	23 ²³	23 [°] 5	6 ¹⁹	22 ¹¹	4 ³⁰	20 [°] 8	9 [°] 7	10 ¹⁶	29 ²⁴	19 ¹⁴
M 27	20 13 59	2 ⁴⁷ '17	7 ^{mp} 42	3 [°] 9	17 [°] 0	23 ⁵⁶	23 [°] 2	6 ¹⁵	22 [°] 9	4 ³²	20 ¹⁰	9 [°] 1	10 ¹³	29 ³⁰	19 ¹⁰
T 28	20 17 56	3 ⁴⁴ '39	22 ¹²	5 ¹⁵	17 ⁴⁷	24 ²⁹	23 [°] 0	6 ¹⁰	22 [°] 8	4 ³⁴	20 ¹¹	8 ⁵⁸	10 ¹⁰	29 ³⁷	19 [°] 7
W 29	20 21 53	4 ⁴² '01	6 [♂] 16	7 ¹⁹	18 ³³	25 [°] 3	22 ⁵⁷	6 [°] 6	22 [°] 6	4 ³⁶	20 ¹²	8 ^D 57	10 [°] 6	29 ⁴⁴	19 [°] 3
T 30	20 25 49	5 ³⁹ '23	19 ⁵¹	9 ²³	19 ¹⁸	25 ³⁶	22 ⁵⁴	6 [°] 1	22 [°] 4	4 ³⁸	20 ¹³	8 ⁵⁷	10 [°] 3	29 ⁵¹	19 [°] 0
F 31	20 29 46	6 ^Ω 36'46	3 ^{III} 0	11 ^Ω 25	20 ^{mp} 3	26 ^Ω 10	22 [♄] 51	5 [♂] 57	22 [♄] 3	4 [♂] 40	20 ^{II} 14	8 ^R 58	10 ^Ω 0	29 [♂] 57	18 [♂] 56

Delta T = 1.87 sec.

AUGUST 1903

00:00 UT

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

SWISS EPHEMERIS for the year 1903

SEPTEMBER 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	22 35 55	7♎22'45	1♊23	3♏27	1♁R23	15♎36	19♁R47	3♁R47	21♊38	5♁32	20♎38	7♁R14	8♏18	3♏32	17♁R32
W 2	22 39 52	8°20'49	13°19	4°39	1♏11	16°14	19♁39	3♏44	21°38	5°33	20°38	7♏10	8°15	3°39	17♁30
T 3	22 43 49	9°18'54	25°11	5°49	0°57	16°53	19°32	3°40	21°38	5°34	20°39	7° 6	8°12	3°45	17°28
F 4	22 47 45	10°17'01	7♏3	6°56	0°41	17°32	19°24	3°37	21°38	5°35	20°39	7° 1	8° 9	3°52	17°27
S 5	22 51 42	11°15'09	18°57	8° 1	0°23	18°12	19°16	3°34	21°38	5°37	20°39	6°57	8° 6	3°59	17°25
S 6	22 55 38	12°13'19	0♋57	9° 4	0° 2	18°51	19° 8	3°31	21°38	5°38	20°40	6°53	8° 2	4° 6	17°24
M 7	22 59 35	13°11'31	13° 2	10° 5	29♎39	19°30	19° 0	3°28	21°39	5°39	20°40	6°50	7°59	4°12	17°22
T 8	23 3 31	14° 9'44	25°16	11° 3	29°14	20°10	18°52	3°25	21°39	5°40	20°40	6°48	7°56	4°19	17°21
W 9	23 7 28	15° 8'00	7♁40	11°58	28°47	20°50	18°45	3°23	21°39	5°41	20°41	6°D48	7°53	4°26	17°20
T 10	23 11 24	16° 6'17	20°14	12°51	28°19	21°29	18°37	3°20	21°40	5°42	20°41	6°48	7°50	4°32	17°19
F 11	23 15 21	17° 4'36	3♁ 1	13°40	27°48	22° 9	18°29	3°17	21°40	5°43	20°41	6°50	7°47	4°39	17°18
S 12	23 19 17	18° 2'57	16° 3	14°26	27°16	22°49	18°21	3°15	21°41	5°44	20°41	6°51	7°43	4°46	17°17
S 13	23 23 14	19° 1'20	29°20	15° 9	26°43	23°30	18°13	3°12	21°41	5°45	20°41	6°52	7°40	4°53	17°16
M 14	23 27 11	19°59'46	12♎55	15°47	26° 8	24°10	18° 5	3°10	21°42	5°46	20°42	6°53	7°37	4°59	17°15
T 15	23 31 7	20°58'14	26°48	16°22	25°32	24°50	17°57	3° 8	21°43	5°47	20°42	6°R53	7°34	5° 6	17°14
W 16	23 35 4	21°56'44	10♁59	16°52	24°56	25°31	17°49	3° 6	21°43	5°47	20°42	6°52	7°31	5°13	17°13
T 17	23 39 0	22°55'16	25°26	17°17	24°20	26°11	17°41	3° 4	21°44	5°48	20°42	6°51	7°27	5°19	17°13
F 18	23 42 57	23°53'50	10♏ 6	17°37	23°43	26°52	17°33	3° 2	21°45	5°49	20°42	6°50	7°24	5°26	17°12
S 19	23 46 53	24°52'26	24°52	17°52	23° 6	27°33	17°25	3° 0	21°46	5°50	20°42	6°48	7°21	5°33	17°12
S 20	23 50 50	25°51'05	9♎38	18° 1	22°29	28°14	17°17	2°58	21°47	5°50	20°42	6°47	7°18	5°39	17°11
M 21	23 54 46	26°49'45	24°17	18°R 4	21°53	28°55	17° 9	2°56	21°48	5°51	20°42	6°46	7°15	5°46	17°11
T 22	23 58 43	27°48'27	8♏42	18° 0	21°17	29°36	17° 2	2°54	21°49	5°52	20°R42	6°D46	7°12	5°53	17°11
W 23	0 2 40	28°47'12	22°47	17°49	20°43	0♊17	16°54	2°53	21°50	5°52	20°42	6°46	7° 8	6° 0	17°11
T 24	0 6 36	29°45'58	6♎29	17°32	20° 9	0°59	16°46	2°51	21°51	5°53	20°42	6°47	7° 5	6° 6	17°11
F 25	0 10 33	0♏44'46	19°48	17° 7	19°37	1°40	16°39	2°50	21°52	5°53	20°42	6°48	7° 2	6°13	17°D11
S 26	0 14 29	1°43'36	2♊43	16°34	19° 6	2°22	16°31	2°49	21°53	5°54	20°42	6°48	6°59	6°20	17°11
S 27	0 18 26	2°42'27	15°18	15°55	18°37	3° 4	16°24	2°48	21°55	5°54	20°42	6°48	6°56	6°26	17°11
M 28	0 22 22	3°41'21	27°36	15° 8	18°10	3°45	16°17	2°47	21°56	5°55	20°42	6°49	6°52	6°33	17°11
T 29	0 26 19	4°40'16	9♊40	14°15	17°45	4°27	16°10	2°46	21°57	5°55	20°42	6°R49	6°49	6°40	17°11
W 30	0 30 15	5♏39'13	21♊36	13♏16	17♎22	5♊ 9	16♁ 3	2♏45	21♊59	5♁55	20♎42	6♏49	6♏46	6♏47	17♁12

Delta T = 2.11 sec.

OCTOBER 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 34 12	6♏38'11	3♏28	12°R12	17°R 1	5♊51	15°R56	2°R44	22♊ 0	5♁56	20°R41	6♏49	6♏43	6♏53	17♁12
F 2	0 38 9	7°37'11	15°21	11♏ 5	16♎42	6°34	15♁49	2♏43	22° 2	5°56	20♎41	6°49	6°40	7° 0	17°13
S 3	0 42 5	8°36'14	27°18	9°57	16°26	7°16	15°42	2°43	22° 4	5°56	20°41	6°49	6°37	7° 7	17°13
S 4	0 46 2	9°35'18	9♁22	8°48	16°12	7°58	15°35	2°42	22° 5	5°57	20°41	6°49	6°33	7°13	17°14
M 5	0 49 58	10°34'23	21°37	7°40	16° 1	8°41	15°29	2°42	22° 7	5°57	20°40	6°49	6°30	7°20	17°15
T 6	0 53 55	11°33'31	4♁ 5	6°37	15°52	9°23	15°22	2°42	22° 9	5°57	20°40	6°R49	6°27	7°27	17°16
W 7	0 57 51	12°32'41	16°46	5°38	15°45	10° 6	15°16	2°41	22°10	5°57	20°40	6°49	6°24	7°33	17°16
T 8	1 1 48	13°31'53	29°41	4°47	15°41	10°49	15°10	2°D41	22°12	5°57	20°39	6°49	6°21	7°40	17°17
F 9	1 5 44	14°31'07	12♁51	4° 4	15°D40	11°32	15° 4	2°41	22°14	5°57	20°39	6°48	6°18	7°47	17°19
S 10	1 9 41	15°30'23	26°14	3°31	15°40	12°15	14°58	2°41	22°16	5°R57	20°39	6°47	6°14	7°54	17°20
S 11	1 13 37	16°29'42	9♎50	3° 8	15°43	12°58	14°52	2°42	22°18	5°57	20°38	6°46	6°11	8° 0	17°21
M 12	1 17 34	17°29'03	23°37	2°56	15°49	13°41	14°47	2°42	22°20	5°57	20°38	6°45	6° 8	8° 7	17°22
T 13	1 21 31	18°28'26	7♁35	2°D55	15°57	14°24	14°42	2°42	22°22	5°57	20°37	6°44	6° 5	8°14	17°24
W 14	1 25 27	19°27'52	21°41	3° 4	16° 7	15° 7	14°36	2°43	22°24	5°57	20°37	6°D44	6° 2	8°20	17°25
T 15	1 29 24	20°27'20	5♏55	3°24	16°19	15°50	14°31	2°44	22°26	5°57	20°36	6°44	5°58	8°27	17°27
F 16	1 33 20	21°26'50	20°13	3°54	16°33	16°34	14°26	2°44	22°28	5°57	20°36	6°45	5°55	8°34	17°28
S 17	1 37 17	22°26'22	4♎33	4°34	16°49	17°17	14°22	2°45	22°30	5°56	20°35	6°46	5°52	8°40	17°30
S 18	1 41 13	23°25'57	18°51	5°22	17° 8	18° 1	14°17	2°46	22°33	5°56	20°35	6°48	5°49	8°47	17°32
M 19	1 45 10	24°25'34	3♏ 3	6°17	17°28	18°45	14°13	2°47	22°35	5°56	20°34	6°R48	5°46	8°54	17°33
T 20	1 49 6	25°25'13	17° 6	7°20	17°50	19°29	14° 8	2°48	22°37	5°56	20°34	6°48	5°43	9° 1	17°35
W 21	1 53 3	26°24'54	0♎56	8°29	18°14	20°12	14° 4	2°49	22°40	5°55	20°33	6°47	5°39	9° 7	17°37
T 22	1 57 0	27°24'37	14°28	9°43	18°40	20°56	14° 1	2°51	22°42	5°55	20°32	6°44	5°36	9°14	17°39
F 23	2 0 56	28°24'22	27°42	11° 1	19° 7	21°40	13°57	2°52	22°44	5°54	20°32	6°41	5°33	9°21	17°41
S 24	2 4 53	29°24'09	10♊36	12°24	19°36	22°25	13°53	2°54	22°47	5°54	20°31	6°38	5°30	9°27	17°44
S 25	2 8 49	0♎23'58	23°11	13°50	20° 7	23° 9	13°50	2°55	22°49	5°54	20°30	6°34	5°27	9°34	17°46
M 26	2 12 46	1°23'48	5♁30	15°18	20°39	23°53	13°47	2°57	22°52	5°53	20°30	6°31	5°24	9°41	17°48
T 27	2 16 42	2°23'41	17°35	16°49	21°12	24°37	13°44	2°59	22°55	5°52	20°29	6°29	5°20	9°47	17°50
W 28	2 20 39	3°23'34	29°31	18°22	21°47	25°22	13°42	3° 1	22°57	5°52	20°28	6°D28	5°17	9°54	17°53
T 29	2 24 35	4°23'30	11♏23	19°56	22°23	26° 6	13°39	3° 3	23° 0	5°51	20°28	6°28	5°14	10° 1	17°55
F 30	2 28 32	5°23'27	23°15	21°32	23° 1	26°51	13°37	3° 5	23° 3	5°51	20°27	6°29	5°11	10° 8	17°58
S 31	2 32 29	6♎23'26	5♁12	23♏ 9	23♎40	27♊35	13♁35	3♏ 7	23♊ 5	5♁50	20♎26	6♏31	5♏ 8	10♏14	18♁ 1

Delta T = 2.23 sec.

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SWISS EPHEMERIS for the year 1903

NOVEMBER 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	2 36 25	7♏23'26	17♋20	24♌46	24♏20	28♌20	13°R33	3♌ 9	23♌ 8	5°R49	20°R25	6♌33	5♌ 4	10♌21	18♌ 3
M 2	2 40 22	8°23'28	29°41	26°23	25° 1	29° 5	13♋31	3°12	23°11	5♌49	20♏24	6°34	5° 1	10°28	18° 6
T 3	2 44 18	9°23'32	12♏19	28° 2	25°43	29°50	13°30	3°14	23°14	5°48	20°24	6°R34	4°58	10°34	18° 9
W 4	2 48 15	10°23'37	25°17	29°40	26°27	0♌35	13°28	3°17	23°17	5°47	20°23	6°32	4°55	10°41	18°12
T 5	2 52 11	11°23'45	8♌34	1♏18	27°11	1°20	13°27	3°20	23°20	5°46	20°22	6°29	4°52	10°48	18°15
F 6	2 56 8	12°23'54	22° 9	2°57	27°57	2° 5	13°26	3°22	23°22	5°45	20°21	6°24	4°49	10°54	18°18
S 7	3 0 4	13°24'05	6♏ 0	4°35	28°43	2°50	13°26	3°25	23°25	5°44	20°20	6°19	4°45	11° 1	18°21
S 8	3 4 1	14°24'18	20° 4	6°13	29°30	3°35	13°25	3°28	23°28	5°44	20°19	6°12	4°42	11° 8	18°24
M 9	3 7 58	15°24'33	4♌15	7°51	0♌19	4°20	13°25	3°31	23°31	5°43	20°18	6° 7	4°39	11°14	18°28
T 10	3 11 54	16°24'49	18°29	9°29	1° 8	5° 5	13°D25	3°34	23°35	5°42	20°17	6° 2	4°36	11°21	18°31
W11	3 15 51	17°25'08	2♏44	11° 7	1°58	5°51	13°25	3°38	23°38	5°41	20°16	5°59	4°33	11°28	18°34
T 12	3 19 47	18°25'29	16°55	12°44	2°49	6°36	13°25	3°41	23°41	5°40	20°15	5°D58	4°29	11°35	18°38
F 13	3 23 44	19°25'52	1♏ 1	14°21	3°40	7°21	13°26	3°44	23°44	5°39	20°15	5°59	4°26	11°41	18°41
S 14	3 27 40	20°26'17	15° 1	15°58	4°33	8° 7	13°27	3°48	23°47	5°38	20°14	6° 0	4°23	11°48	18°45
S 15	3 31 37	21°26'43	28°54	17°34	5°26	8°52	13°28	3°51	23°50	5°36	20°13	6°R 1	4°20	11°55	18°48
M16	3 35 33	22°27'12	12♌38	19°11	6°20	9°38	13°29	3°55	23°53	5°35	20°12	6° 1	4°17	12° 1	18°52
T 17	3 39 30	23°27'42	26°14	20°47	7°14	10°24	13°30	3°59	23°57	5°34	20°10	5°59	4°14	12° 8	18°56
W18	3 43 26	24°28'14	9♏40	22°23	8° 9	11° 9	13°32	4° 3	24° 0	5°33	20° 9	5°55	4°10	12°15	19° 0
T 19	3 47 23	25°28'48	22°53	23°58	9° 5	11°55	13°34	4° 6	24° 3	5°32	20° 8	5°48	4° 7	12°21	19° 3
F 20	3 51 20	26°29'23	5♌52	25°34	10° 1	12°41	13°36	4°10	24° 7	5°31	20° 7	5°40	4° 4	12°28	19° 7
S 21	3 55 16	27°30'00	18°37	27° 9	10°58	13°27	13°38	4°15	24°10	5°29	20° 6	5°30	4° 1	12°35	19°11
S 22	3 59 13	28°30'38	1♌ 7	28°44	11°55	14°13	13°40	4°19	24°13	5°28	20° 5	5°20	3°58	12°42	19°15
M23	4 3 9	29°31'17	13°23	0♌18	12°53	14°59	13°43	4°23	24°17	5°27	20° 4	5°10	3°55	12°48	19°19
T 24	4 7 6	0♌31'58	25°27	1°53	13°52	15°45	13°46	4°27	24°20	5°25	20° 3	5° 3	3°51	12°55	19°23
W25	4 11 2	1°32'39	7♌22	3°27	14°51	16°31	13°49	4°32	24°23	5°24	20° 2	4°57	3°48	13° 2	19°27
T 26	4 14 59	2°33'22	19°12	5° 1	15°50	17°17	13°52	4°36	24°27	5°23	20° 1	4°54	3°45	13° 8	19°32
F 27	4 18 56	3°34'06	1♋ 2	6°35	16°50	18° 3	13°55	4°41	24°30	5°21	20° 0	4°D53	3°42	13°15	19°36
S 28	4 22 52	4°34'51	12°57	8° 9	17°51	18°50	13°59	4°45	24°34	5°20	19°59	4°53	3°39	13°22	19°40
S 29	4 26 49	5°35'37	25° 3	9°43	18°51	19°36	14° 3	4°50	24°37	5°19	19°58	4°54	3°35	13°28	19°44
M30	4 30 45	6♌36'24	7♏24	11♌17	19♌53	20♌22	14♋ 7	4♌55	24♌41	5♌17	19♏56	4°R54	3♌32	13♌35	19♌49

Delta T = 2.35 sec.

DECEMBER 1903

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	4 34 42	7♌37'12	20♏ 6	12♌51	20♌54	21♌ 9	14♋11	5♌ 0	24♌44	5°R16	19°R55	4°R53	3♌29	13♌42	19♌53
W 2	4 38 38	8°38'01	3♌11	14°24	21°56	21°55	14°15	5° 5	24°48	5♌14	19♏54	4♌49	3°26	13°48	19°58
T 3	4 42 35	9°38'50	16°42	15°58	22°59	22°41	14°20	5°10	24°51	5°13	19°53	4°43	3°23	13°55	20° 2
F 4	4 46 31	10°39'41	0♏37	17°32	24° 1	23°28	14°25	5°15	24°55	5°11	19°52	4°35	3°20	14° 2	20° 7
S 5	4 50 28	11°40'33	14°54	19° 5	25° 4	24°14	14°30	5°20	24°58	5°10	19°51	4°24	3°16	14° 8	20°11
S 6	4 54 25	12°41'26	29°26	20°39	26° 8	25° 1	14°35	5°25	25° 2	5° 8	19°50	4°13	3°13	14°15	20°16
M 7	4 58 21	13°42'21	14♌ 7	22°12	27°12	25°47	14°40	5°30	25° 6	5° 7	19°48	4° 3	3°10	14°22	20°21
T 8	5 2 18	14°43'16	28°48	23°46	28°16	26°34	14°45	5°36	25° 9	5° 5	19°47	3°54	3° 7	14°29	20°25
W 9	5 6 14	15°44'13	13♏22	25°19	29°20	27°21	14°51	5°41	25°13	5° 4	19°46	3°48	3° 4	14°35	20°30
T 10	5 10 11	16°45'10	17°45	26°52	0♏25	28° 7	14°57	5°46	25°16	5° 2	19°45	3°44	3° 1	14°42	20°35
F 11	5 14 7	17°46'09	11♏54	28°26	1°30	28°54	15° 3	5°52	25°20	5° 0	19°44	3°43	2°57	14°49	20°39
S 12	5 18 4	18°47'09	25°47	29°59	2°36	29°41	15° 9	5°58	25°24	4°59	19°43	3°D43	2°54	14°55	20°44
S 13	5 22 0	19°48'10	9♌26	1♌32	3°41	0♌27	15°15	6° 3	25°27	4°57	19°41	3°R43	2°51	15° 2	20°49
M14	5 25 57	20°49'12	22°51	3° 5	4°47	1°14	15°22	6° 9	25°31	4°55	19°40	3°41	2°48	15° 9	20°54
T 15	5 29 54	21°50'15	6♏ 5	4°38	5°53	2° 1	15°28	6°15	25°34	4°54	19°39	3°38	2°45	15°15	20°59
W16	5 33 50	22°51'20	19° 6	6°11	7° 0	2°48	15°35	6°20	25°38	4°52	19°38	3°31	2°41	15°22	21° 4
T 17	5 37 47	23°52'25	1♌57	7°44	8° 6	3°35	15°42	6°26	25°42	4°51	19°37	3°21	2°38	15°29	21° 9
F 18	5 41 43	24°53'31	14°38	9°16	9°13	4°22	15°49	6°32	25°45	4°49	19°36	3° 9	2°35	15°35	21°14
S 19	5 45 40	25°54'37	27° 8	10°48	10°20	5° 9	15°57	6°38	25°49	4°47	19°34	2°54	2°32	15°42	21°19
S 20	5 49 36	26°55'44	9♌27	12°19	11°28	5°55	16° 4	6°44	25°53	4°46	19°33	2°40	2°29	15°49	21°24
M21	5 53 33	27°56'52	21°36	13°50	12°35	6°42	16°12	6°50	25°56	4°44	19°32	2°26	2°26	15°56	21°29
T 22	5 57 29	28°58'00	3♌35	15°20	13°43	7°29	16°20	6°56	26° 0	4°42	19°31	2°14	2°22	16° 2	21°34
W23	6 1 26	29°59'08	15°27	16°49	14°51	8°16	16°28	7° 3	26° 4	4°40	19°30	2° 4	2°19	16° 9	21°39
T 24	6 5 23	1♌ 0'16	27°15	18°16	15°59	9° 3	16°36	7° 9	26° 7	4°39	19°29	1°58	2°16	16°16	21°45
F 25	6 9 19	2° 1'25	9♋ 3	19°43	17° 7	9°50	16°44	7°15	26°11	4°37	19°28	1°54	2°13	16°22	21°50
S 26	6 13 16	3° 2'33	20°56	21° 7	18°16	10°38	16°52	7°21	26°14	4°35	19°26	1°53	2°10	16°29	21°55
S 27	6 17 12	4° 3'42	2♏58	22°30	19°24	11°25	17° 1	7°28	26°18	4°34	19°25	1°53	2° 7	16°36	22° 0
M28	6 21 9	5° 4'51	15°15	23°50	20°33	12°12	17°10	7°34	26°22	4°32	19°24	1°52	2° 3	16°42	22° 5
T 29	6 25 5	6° 5'59	27°53	25° 8	21°42	12°59	17°18	7°41	26°25	4°30	19°23	1°51	2° 0	16°49	22°11
W30	6 29 2	7° 7'08	10♌56	26°22	22°51	13°46	17°27	7°47	26°29	4°29	19°22	1°47	1°57	16°56	22°16
T 31	6 32 58	8♌ 8'16	24♌28	27♌32	24♏ 1	14♌33	17♋36	7♌54	26♌32	4♌27	19♏21	1♌41	1♌54	17♌ 2	22♌21

Delta T = 2.46 sec.

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