

SWISS EPHEMERIS for the year 1683

FEBRUARY 1683 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	8 45 9	12 ²² 22'42	29 ³⁸ 38	8 ¹¹ 11	18°R20	24 ⁴⁰ 40	17°R47	17°R23	24 ³⁵ 35	26 ⁴¹ 41	15°R39	14 ²⁰ 20	14 ²⁹ 29	28 ¹¹ 11	25 ¹⁹ 19
T 2	8 49 5	13 ²³ 31	11 ³⁵ 35	9°54	17 ⁴⁴ 44	24°58	17 ³⁹ 39	17 ¹⁸ 18	24°37	26°44	15 ³⁷ 37	14°21	14°26	28°17	25° 4
W 3	8 53 2	14°24'18	23°44	11°38	17° 7	25°15	17°31	17°13	24°38	26°46	15°36	14°R21	14°23	28°24	25° 6
T 4	8 56 58	15°25'03	6 ⁸ 7	13°22	16°30	25°32	17°23	17° 8	24°40	26°48	15°35	14°21	14°20	28°31	25° 7
F 5	9 0 55	16°25'47	18°49	15° 7	15°52	25°49	17°15	17° 3	24°42	26°50	15°34	14°D21	14°17	28°37	25° 9
S 6	9 4 51	17°26'29	1 ¹¹ 53	16°54	15°15	26° 5	17° 7	16°58	24°43	26°53	15°33	14°21	14°13	28°44	25°11
S 7	9 8 48	18°27'10	15°23	18°41	14°38	26°21	17° 0	16°53	24°45	26°55	15°32	14°21	14°10	28°51	25°13
M 8	9 12 45	19°27'49	29°20	20°28	14° 2	26°36	16°52	16°48	24°47	26°57	15°31	14°21	14° 7	28°57	25°15
T 9	9 16 41	20°28'27	13 ⁴⁴ 44	22°17	13°27	26°51	16°44	16°43	24°49	26°59	15°30	14°22	14° 4	29° 4	25°17
W10	9 20 38	21°29'03	28°32	24° 6	12°52	27° 5	16°36	16°39	24°51	27° 2	15°29	14°22	14° 1	29°11	25°19
T 11	9 24 34	22°29'37	13 ²³ 37	25°56	12°19	27°19	16°28	16°34	24°53	27° 4	15°28	14°R23	13°57	29°17	25°21
F 12	9 28 31	23°30'09	28°50	27°46	11°48	27°33	16°20	16°29	24°55	27° 6	15°27	14°22	13°54	29°24	25°24
S 13	9 32 27	24°30'40	14 ¹⁷ 3	29°37	11°18	27°45	16°12	16°24	24°57	27° 9	15°26	14°22	13°51	29°31	25°26
S 14	9 36 24	25°31'10	29° 6	1 ¹¹ 29	10°51	27°58	16° 4	16°19	24°59	27°11	15°25	14°20	13°48	29°37	25°28
M15	9 40 20	26°31'38	13 ⁴⁵ 50	3°21	10°25	28°10	15°57	16°15	25° 1	27°13	15°24	14°19	13°45	29°44	25°30
T 16	9 44 17	27°32'04	28° 9	5°13	10° 2	28°21	15°49	16°10	25° 3	27°15	15°23	14°17	13°42	29°51	25°33
W17	9 48 14	28°32'30	12 ¹¹ 2	7° 5	9°40	28°32	15°41	16° 5	25° 5	27°18	15°22	14°16	13°38	29°57	25°35
T 18	9 52 10	29°32'54	25°27	8°57	9°21	28°42	15°34	16° 0	25° 8	27°20	15°21	14°D16	13°35	0 ¹¹ 4	25°38
F 19	9 56 7	0 ¹¹ 33'17	8 ²⁷ 27	10°49	9° 5	28°51	15°26	15°56	25°10	27°22	15°21	14°16	13°32	0°11	25°40
S 20	10 0 3	1°33'38	21° 6	12°40	8°51	29° 0	15°19	15°51	25°12	27°24	15°20	14°17	13°29	0°17	25°43
S 21	10 4 0	2°33'58	3 ²⁷ 27	14°31	8°39	29° 9	15°12	15°47	25°15	27°27	15°19	14°18	13°26	0°24	25°45
M22	10 7 56	3°34'16	15°34	16°20	8°30	29°16	15° 4	15°42	25°17	27°29	15°18	14°20	13°23	0°30	25°48
T 23	10 11 53	4°34'33	27°31	18° 7	8°24	29°23	14°57	15°38	25°19	27°31	15°17	14°21	13°19	0°37	25°51
W24	10 15 49	5°34'48	9 ²² 22	19°53	8°20	29°30	14°50	15°33	25°22	27°34	15°17	14°R22	13°16	0°44	25°53
T 25	10 19 46	6°35'02	21°10	21°36	8°D18	29°36	14°43	15°29	25°24	27°36	15°16	14°22	13°13	0°50	25°56
F 26	10 23 43	7°35'13	2 ¹¹ 57	23°16	8°19	29°41	14°36	15°24	25°27	27°38	15°15	14°21	13°10	0°57	25°59
S 27	10 27 39	8°35'23	14°46	24°53	8°22	29°45	14°30	15°20	25°30	27°40	15°14	14°18	13° 7	1° 4	26° 2
S 28	10 31 36	9 ¹¹ 35'31	26 ¹¹ 38	26 ¹¹ 25	8 ²⁷ 27	29 ⁴⁹ 49	14 ²³ 23	15 ¹⁶ 16	25 ³² 32	27 ⁴³ 43	15 ¹⁴ 14	14 ¹⁴ 14	13 ¹³ 13	1 ¹¹ 10	26 ¹⁹ 19

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	17s 7	3s37	3s46	20s15	2s 4	8s16	7n27	7s19	2n25	16n30	1n 2	16n49	1n13	9n 2	0s32	13s10	0s34	22n38	0n 4	16n33	16n31	13s16	9n32	0s11
T 2	16 50	0m29	4 28	19 48	2 4	8 18	7 36	7 25	2 26	16 33	1 2	16 51	1 14	9 3	0 32	13 9	0 34	22 38	0 4	16 33	16 32	13 15	9 33	0 11
W 3	16 32	4 36	4 58	19 19	2 5	8 20	7 45	7 31	2 26	16 36	1 2	16 52	1 14	9 4	0 32	13 9	0 34	22 38	0 4	16 33	16 33	13 13	9 34	0 11
T 4	16 14	8 37	5 15	18 49	2 5	8 24	7 53	7 37	2 27	16 38	1 2	16 54	1 14	9 4	0 32	13 8	0 34	22 38	0 4	16 33	16 34	13 12	9 34	0 11
F 5	15 56	12 21	5 17	18 18	2 4	8 28	7 59	7 42	2 27	16 41	1 2	16 55	1 14	9 5	0 32	13 7	0 34	22 39	0 4	16 33	16 34	13 10	9 35	0 11
S 6	15 38	15 37	5 3	17 45	2 3	8 33	8 5	7 47	2 28	16 43	1 2	16 57	1 14	9 6	0 32	13 6	0 34	22 39	0 5	16 33	16 35	13 9	9 35	0 11
S 7	15 19	18 9	4 33	17 11	2 1	8 39	8 10	7 53	2 28	16 46	1 3	16 59	1 14	9 6	0 32	13 6	0 34	22 39	0 5	16 33	16 36	13 7	9 36	0 11
M 8	15 0 19	43 3 45	16 34	1 59	8 45	8 14	7 58	2 29	16 48	1 3	17 0	1 14	9 7	0 32	13 5	0 34	22 39	0 5	16 33	16 37	13 6	9 37	0 11	
T 9	14 41	20 5	2 42	15 57	1 57	8 52	8 17	8 2	2 30	16 51	1 3	17 2	1 14	9 8	0 32	13 4	0 34	22 39	0 5	16 33	16 38	13 4	9 37	0 11
W10	14 22	19 4	1 27	15 18	1 54	8 59	8 20	8 7	2 30	16 53	1 3	17 3	1 14	9 8	0 32	13 3	0 34	22 39	0 5	16 33	16 39	13 3	9 38	0 11
T 11	14 2	16 42	0 4	14 37	1 50	9 7	8 21	8 12	2 31	16 56	1 3	17 5	1 14	9 9	0 32	13 2	0 34	22 40	0 5	16 33	16 40	13 1	9 39	0 11
F 12	13 42	13 8	1n20	13 55	1 46	9 15	8 21	8 16	2 31	16 58	1 3	17 6	1 15	9 10	0 32	13 2	0 34	22 40	0 5	16 33	16 41	12 59	9 40	0 11
S 13	13 22	8 42	2 38	13 12	1 41	9 23	8 21	8 20	2 32	17 1	1 3	17 8	1 15	9 11	0 32	13 1	0 34	22 40	0 5	16 33	16 42	12 58	9 40	0 12
S 14	13 2	3 47	3 44	12 28	1 36	9 32	8 19	8 24	2 32	17 3	1 3	17 9	1 15	9 12	0 32	13 0	0 34	22 40	0 5	16 33	16 43	12 56	9 41	0 12
M15	12 42	1s16	4 34	11 42	1 30	9 40	8 17	8 28	2 33	17 5	1 3	17 11	1 15	9 12	0 32	12 59	0 34	22 40	0 5	16 34	16 44	12 55	9 42	0 12
T 16	12 21	6 5	5 5	10 54	1 23	9 49	8 14	8 31	2 33	17 8	1 3	17 12	1 15	9 13	0 32	12 59	0 34	22 41	0 5	16 34	16 45	12 53	9 43	0 12
W17	12 0	10 26	5 17	10 6	1 16	9 59	8 10	8 35	2 34	17 10	1 3	17 14	1 15	9 14	0 32	12 58	0 34	22 41	0 5	16 35	16 45	12 52	9 43	0 12
T 18	11 39	14 7	5 11	9 17	1 8	10 8	8 6	8 38	2 34	17 12	1 3	17 15	1 15	9 15	0 32	12 57	0 34	22 41	0 5	16 35	16 46	12 50	9 44	0 12
F 19	11 18	16 59	4 49	8 27	1 0	10 17	8 1	8 41	2 34	17 15	1 3	17 17	1 15	9 16	0 32	12 56	0 34	22 41	0 5	16 35	16 47	12 49	9 45	0 12
S 20	10 56	18 57	4 14	7 36	0 51	10 26	7 55	8 43	2 35	17 17	1 3	17 18	1 15	9 17	0 32	12 55	0 34	22 41	0 5	16 34	16 48	12 47	9 46	0 12
S 21	10 35	19 58	3 28	6 44	0 41	10 34	7 49	8 46	2 35	17 19	1 3	17 20	1 15	9 17	0 32	12 55	0 34	22 41	0 5	16 34	16 49	12 45	9 47	0 12
M22	10 13	20 2	2 33	5 52	0 30	10 43	7 42	8 48	2 36	17 21	1 3	17 21	1 15	9 18	0 32	12 54	0 34	22 41	0 6	16 34	16 50	12 44	9 48	0 12
T 23	9 51	19 11	1 32	5 0	0 19	10 52	7 35	8 51	2 36	17 23	1 4	17 22	1 15	9 19	0 32	12 53	0 34	22 42	0 6	16 33	16 51	12 42	9 49	0 12
W24	9 29	17 30	0 28	4 8	0 8	11 0	7 28	8 53	2 36	17 25	1 4	17 24	1 15	9 20	0 32	12 52	0 34	22 42	0 6	16 33	16 52	12 41	9 50	0 12
T 25	9 7	15 4	0s37	3 16	0n 5	11 8	7 20	8 54	2 37	17 27	1 4	17 25	1 15	9 21	0 32	12 52	0 34	22 42	0 6	16 33	16 53	12 39	9 51	0 12
F 26	8 44	12 0	1 41	2 25	0 17	11 15	7 12	8 56	2 37	17 29	1 4	17 27	1 15	9 22	0 32	12 51	0 34	22 42	0 6	16 33	16 54	12 38	9 52	0 12
S 27	8 22	8 28	2 40	1 35	0 30	11 23	7 3	8 57	2 37	17 31	1 4	17 28	1 15	9 23	0 32	12 50	0 34	22 42	0 6	16 34	16 55	12 36	9 53	0 13
S 28	7s59	4s35	3s32	0s46	0n44	11s30	6n55	8s58	2n38	17n33	1n 4	17n29	1n15	9n24	0s32	12s49	0s34	22n42	0n 6	16n35	16n55	12s34	9n53	0s13

Julian Day Number = 2335794.5, Delta T = 12.60 sec
 Ecliptic obliquity = 23°28'43", Nutation = - 0°00'11"
 Ayanamsha: Fagan/Bradley = 20°19'00", Lahiri = 19°26'00"Greg. Calendar

SWISS EPHEMERIS for the year 1683

MARCH 1683 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	10 35 32	10 ^h 35 ^m 37 ^s	8 ^h Y36	27 ^h X53	8 ^h ≈35	29 ^h Ω52	14 ^h R17	15 ^h R12	25 ^h Y35	27 ^h ≈45	15 ^h R13	14 ^h R10	13 ^h Ω 0	1 ^h X17	26 ^h Y 8
T 2	10 39 29	11 ^h 35 ^m 41 ^s	20 ^h 41	29 ^h 16	8 ^h 45	29 ^h 55	14 ^h Ω10	15 ^h Ω 8	25 ^h 37	27 ^h 47	15 ^h Ω12	14 ^h Ω 5	12 ^h 57	1 ^h 24	26 ^h 11
W 3	10 43 25	12 ^h 35 ^m 43 ^s	2 ^h 56	0 ^h Y33	8 ^h 57	29 ^h 56	14 ^h 4	15 ^h 3	25 ^h 40	27 ^h 49	15 ^h 12	14 ^h 0	12 ^h 54	1 ^h 30	26 ^h 14
T 4	10 47 22	13 ^h 35 ^m 43 ^s	15 ^h 23	1 ^h 43	9 ^h 11	29 ^h 57	13 ^h 58	14 ^h 59	25 ^h 43	27 ^h 51	15 ^h 11	13 ^h 56	12 ^h 51	1 ^h 37	26 ^h 17
F 5	10 51 18	14 ^h 35 ^m 41 ^s	28 ^h 5	2 ^h 47	9 ^h 27	29 ^h R58	13 ^h 52	14 ^h 56	25 ^h 46	27 ^h 54	15 ^h 11	13 ^h 54	12 ^h 48	1 ^h 44	26 ^h 20
S 6	10 55 15	15 ^h 35 ^m 37 ^s	11 ^h II 5	3 ^h 44	9 ^h 46	29 ^h 57	13 ^h 46	14 ^h 52	25 ^h 48	27 ^h 56	15 ^h 10	13 ^h D53	12 ^h 44	1 ^h 50	26 ^h 23
S 7	10 59 12	16 ^h 35 ^m 30 ^s	24 ^h 26	4 ^h 33	10 ^h 6	29 ^h 56	13 ^h 40	14 ^h 48	25 ^h 51	27 ^h 58	15 ^h 10	13 ^h 53	12 ^h 41	1 ^h 57	26 ^h 26
M 8	11 3 8	17 ^h 35 ^m 21 ^s	8 ^h Ω11	5 ^h 14	10 ^h 28	29 ^h 54	13 ^h 35	14 ^h 44	25 ^h 54	28 ^h 0	15 ^h 9	13 ^h 54	12 ^h 38	2 ^h 4	26 ^h 29
T 9	11 7 5	18 ^h 35 ^m 10 ^s	22 ^h 19	5 ^h 47	10 ^h 51	29 ^h 51	13 ^h 29	14 ^h 41	25 ^h 57	28 ^h 2	15 ^h 9	13 ^h 55	12 ^h 35	2 ^h 10	26 ^h 32
W10	11 11 1	19 ^h 34 ^m 57 ^s	6 ^h Ω51	6 ^h 11	11 ^h 17	29 ^h 48	13 ^h 24	14 ^h 37	26 ^h 0	28 ^h 5	15 ^h 8	13 ^h R57	12 ^h 32	2 ^h 17	26 ^h 36
T 11	11 14 58	20 ^h 34 ^m 41 ^s	21 ^h 43	6 ^h 27	11 ^h 44	29 ^h 44	13 ^h 19	14 ^h 34	26 ^h 3	28 ^h 7	15 ^h 8	13 ^h 56	12 ^h 28	2 ^h 24	26 ^h 39
F 12	11 18 54	21 ^h 34 ^m 23 ^s	6 ^h Y50	6 ^h R34	12 ^h 13	29 ^h 39	13 ^h 14	14 ^h 30	26 ^h 6	28 ^h 9	15 ^h 7	13 ^h 55	12 ^h 25	2 ^h 30	26 ^h 42
S 13	11 22 51	22 ^h 34 ^m 03 ^s	22 ^h 2	6 ^h 33	12 ^h 43	29 ^h 33	13 ^h 9	14 ^h 27	26 ^h 9	28 ^h 11	15 ^h 7	13 ^h 51	12 ^h 22	2 ^h 37	26 ^h 46
S 14	11 26 47	23 ^h 33 ^m 41 ^s	7 ^h Ω 9	6 ^h 24	13 ^h 15	29 ^h 27	13 ^h 5	14 ^h 24	26 ^h 12	28 ^h 13	15 ^h 6	13 ^h 46	12 ^h 19	2 ^h 44	26 ^h 49
M15	11 30 44	24 ^h 33 ^m 18 ^s	22 ^h 3	6 ^h 7	13 ^h 48	29 ^h 19	13 ^h 0	14 ^h 20	26 ^h 15	28 ^h 15	15 ^h 6	13 ^h 40	12 ^h 16	2 ^h 50	26 ^h 52
T 16	11 34 40	25 ^h 32 ^m 52 ^s	6 ^h III34	5 ^h 42	14 ^h 22	29 ^h 11	12 ^h 56	14 ^h 17	26 ^h 18	28 ^h 17	15 ^h 6	13 ^h 33	12 ^h 13	2 ^h 57	26 ^h 56
W17	11 38 37	26 ^h 32 ^m 24 ^s	20 ^h 38	5 ^h 11	14 ^h 58	29 ^h 2	12 ^h 52	14 ^h 14	26 ^h 21	28 ^h 19	15 ^h 6	13 ^h 28	12 ^h 9	3 ^h 3	26 ^h 59
T 18	11 42 34	27 ^h 31 ^m 55 ^s	4 ^h X13	4 ^h 34	15 ^h 35	28 ^h 53	12 ^h 48	14 ^h 12	26 ^h 24	28 ^h 21	15 ^h 5	13 ^h 23	12 ^h 6	3 ^h 10	27 ^h 3
F 19	11 46 30	28 ^h 31 ^m 24 ^s	17 ^h 20	3 ^h 52	16 ^h 14	28 ^h 43	12 ^h 44	14 ^h 9	26 ^h 27	28 ^h 23	15 ^h 5	13 ^h 21	12 ^h 3	3 ^h 17	27 ^h 6
S 20	11 50 27	29 ^h 30 ^m 51 ^s	0 ^h Z 1	3 ^h 6	16 ^h 53	28 ^h 31	12 ^h 40	14 ^h 6	26 ^h 30	28 ^h 25	15 ^h 5	13 ^h D20	12 ^h 0	3 ^h 23	27 ^h 10
S 21	11 54 23	0 ^h Y30 ^m 17 ^s	12 ^h 21	2 ^h 17	17 ^h 34	28 ^h 20	12 ^h 37	14 ^h 3	26 ^h 34	28 ^h 27	15 ^h 5	13 ^h 21	11 ^h 57	3 ^h 30	27 ^h 13
M22	11 58 20	1 ^h 29 ^m 40 ^s	24 ^h 25	1 ^h 26	18 ^h 16	28 ^h 7	12 ^h 34	14 ^h 1	26 ^h 37	28 ^h 29	15 ^h 4	13 ^h 22	11 ^h 54	3 ^h 37	27 ^h 17
T 23	12 2 16	2 ^h 29 ^m 02 ^s	6 ^h ≈19	0 ^h 34	18 ^h 59	27 ^h 54	12 ^h 31	13 ^h 59	26 ^h 40	28 ^h 31	15 ^h 4	13 ^h 23	11 ^h 50	3 ^h 43	27 ^h 20
W24	12 6 13	3 ^h 28 ^m 22 ^s	18 ^h 7	29 ^h X43	19 ^h 42	27 ^h 40	12 ^h 28	13 ^h 56	26 ^h 43	28 ^h 33	15 ^h 4	13 ^h R23	11 ^h 47	3 ^h 50	27 ^h 24
T 25	12 10 9	4 ^h 27 ^m 40 ^s	29 ^h 52	28 ^h 52	20 ^h 27	27 ^h 25	12 ^h 25	13 ^h 54	26 ^h 46	28 ^h 35	15 ^h 4	13 ^h 22	11 ^h 44	3 ^h 57	27 ^h 28
F 26	12 14 6	5 ^h 26 ^m 56 ^s	11 ^h X40	28 ^h 4	21 ^h 13	27 ^h 9	12 ^h 23	13 ^h 52	26 ^h 50	28 ^h 37	15 ^h 4	13 ^h 18	11 ^h 41	4 ^h 3	27 ^h 31
S 27	12 18 3	6 ^h 26 ^m 10 ^s	23 ^h 33	27 ^h 18	21 ^h 59	26 ^h 53	12 ^h 20	13 ^h 50	26 ^h 53	28 ^h 39	15 ^h 4	13 ^h 11	11 ^h 38	4 ^h 10	27 ^h 35
S 28	12 21 59	7 ^h 25 ^m 22 ^s	5 ^h Y33	26 ^h 36	22 ^h 47	26 ^h 36	12 ^h 18	13 ^h 48	26 ^h 56	28 ^h 41	15 ^h 4	13 ^h 3	11 ^h 34	4 ^h 17	27 ^h 39
M29	12 25 56	8 ^h 24 ^m 32 ^s	17 ^h 41	25 ^h 59	23 ^h 35	26 ^h 19	12 ^h 16	13 ^h 46	27 ^h 0	28 ^h 43	15 ^h D 4	12 ^h 53	11 ^h 31	4 ^h 23	27 ^h 42
T 30	12 29 52	9 ^h 23 ^m 40 ^s	29 ^h 59	25 ^h 26	24 ^h 24	26 ^h 1	12 ^h 14	13 ^h 44	27 ^h 3	28 ^h 45	15 ^h 4	12 ^h 42	11 ^h 28	4 ^h 30	27 ^h 46
W31	12 33 49	10 ^h Y22 ^m 46 ^s	12 ^h Z28	24 ^h X58	25 ^h ≈13	25 ^h Ω42	12 ^h Ω13	13 ^h Ω43	27 ^h Y 6	28 ^h ≈47	15 ^h Ω 4	12 ^h Ω32	11 ^h Ω25	4 ^h X37	27 ^h Y50

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	7s36	0s30	4s15	0n 2	0n57	11s36	6n46	8s59	2n38	17n35	1n 4	17n30	1n15	9n25	0s31	12s49	0s34	22n42	0n 6	16n36	16n56	12s33	9n54	0s13
T 2	7 14	3n39	4 48	0 48	1 11	11 43	6 37	9 0	2 38	17 37	1 4	17 32	1 15	9 26	0 31	12 48	0 34	22 43	0 6	16 38	16 57	12 31	9 55	0 13
W 3	6 51	7 41	5 8	1 31	1 25	11 48	6 28	9 0	2 38	17 39	1 4	17 33	1 15	9 27	0 31	12 47	0 34	22 43	0 6	16 39	16 58	12 30	9 57	0 13
T 4	6 28	11 29	5 13	2 12	1 39	11 54	6 18	9 0	2 38	17 41	1 4	17 34	1 16	9 28	0 31	12 46	0 34	22 43	0 6	16 40	16 59	12 28	9 58	0 13
F 5	6 5 14	50 5 4	2 50	1 52	11 59	6 9	6 9	9 0	2 38	17 42	1 4	17 35	1 16	9 29	0 31	12 46	0 34	22 43	0 6	16 41	17 0	12 26	9 59	0 13
S 6	5 41	17 32	4 39	3 25	2 6	12 3	5 59	9 0	2 39	17 44	1 4	17 36	1 16	9 30	0 31	12 45	0 34	22 43	0 6	16 41	17 1	12 25	10 0	0 13
S 7	5 18	19 24	3 58	3 56	2 19	12 7	5 50	8 59	2 39	17 46	1 3	17 38	1 16	9 31	0 31	12 44	0 34	22 43	0 6	16 41	17 2	12 23	10 1	0 13
M 8	4 55	20 11	3 3	4 24	2 31	12 11	5 40	8 59	2 39	17 47	1 3	17 39	1 16	9 32	0 31	12 43	0 34	22 43	0 6	16 41	17 3	12 22	10 2	0 13
T 9	4 31	19 44	1 56	4 47	2 43	12 14	5 31	8 58	2 39	17 49	1 3	17 40	1 16	9 33	0 31	12 43	0 34	22 43	0 6	16 41	17 4	12 20	10 3	0 13
W10	4 8	17 58	0 39	5 7	2 54	12 16	5 21	8 57	2 39	17 50	1 3	17 41	1 16	9 34	0 31	12 42	0 34	22 44	0 7	16 40	17 4	12 18	10 4	0 13
T 11	3 44	14 57	0n42	5 22	3 3	12 18	5 11	8 55	2 39	17 52	1 3	17 42	1 16	9 35	0 31	12 41	0 34	22 44	0 7	16 40	17 5	12 17	10 5	0 13
F 12	3 21	10 54	2 2	5 33	3 12	12 20	5 2	8 54	2 38	17 53	1 3	17 43	1 16	9 37	0 31	12 40	0 34	22 44	0 7	16 41	17 6	12 15	10 6	0 13
S 13	2 57	6 7	3 13	5 39	3 19	12 21	4 52	8 52	2 38	17 54	1 3	17 44	1 16	9 38	0 31	12 40	0 34	22 44	0 7	16 42	17 7	12 13	10 7	0 14
S 14	2 34	0 58	4 10	5 41	3 25	12 21	4 42	8 50	2 38	17 56	1 3	17 45	1 16	9 39	0 31	12 39	0 34	22 44	0 7	16 43	17 8	12 12	10 9	0 14
M15	2 10	4s 8	4 49	5 38	3 29	12 21	4 33	8 47	2 38	17 57	1 3	17 46	1 16	9 40	0 31	12 38	0 34	22 44	0 7	16 45	17 9	12 10	10 10	0 14
T 16	1 46	8 53	5 8	5 30	3 32	12 21	4 23	8 45	2 38	17 58	1 3	17 47	1 16	9 41	0 31	12 38	0 34	22 44	0 7					

SWISS EPHEMERIS for the year 1683

APRIL 1683 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 37 45	11°Y21'50	25♄ 7	24°R36	26♁ 4	25°R23	12°R11	13°R41	27°Y10	28♁48	15♁ 4	12°R22	11♁22	4♄43	27°Y54		
F 2	12 41 42	12°20'51	7♁59	24♄19	26°55	25♁ 3	12♁10	13♁40	27°13	28°50	15° 4	12♁15	11°19	4°50	27°57		
S 3	12 45 38	13°19'51	21° 5	24° 7	27°46	24°43	12° 9	13°38	27°16	28°52	15° 4	12°11	11°15	4°57	28° 1		
S 4	12 49 35	14°18'48	4♁26	24° 1	28°39	24°23	12° 8	13°37	27°20	28°54	15° 4	12° 8	11°12	5° 3	28° 5		
M 5	12 53 32	15°17'42	18° 3	24°D 0	29°32	24° 2	12° 8	13°36	27°23	28°55	15° 5	12°D 8	11° 9	5°10	28° 9		
T 6	12 57 28	16°16'35	2♁ 0	24° 5	0♄25	23°41	12° 7	13°35	27°26	28°57	15° 5	12° 8	11° 6	5°17	28°13		
W 7	13 1 25	17°15'25	16°15	24°15	1°19	23°19	12° 7	13°34	27°30	28°59	15° 5	12°R 9	11° 3	5°23	28°16		
T 8	13 5 21	18°14'12	0♄47	24°30	2°14	22°57	12°D 7	13°34	27°33	29° 0	15° 5	12° 7	10°59	5°30	28°20		
F 9	13 9 18	19°12'58	15°33	24°49	3° 9	22°35	12° 7	13°33	27°37	29° 2	15° 5	12° 4	10°56	5°37	28°24		
S 10	13 13 14	20°11'41	0♁28	25°13	4° 5	22°12	12° 7	13°32	27°40	29° 4	15° 6	11°58	10°53	5°43	28°28		
S 11	13 17 11	21°10'22	15°22	25°42	5° 1	21°50	12° 8	13°32	27°44	29° 5	15° 6	11°49	10°50	5°50	28°32		
M12	13 21 7	22° 9'01	0♁ 8	26°15	5°58	21°27	12° 9	13°32	27°47	29° 7	15° 6	11°39	10°47	5°57	28°36		
T 13	13 25 4	23° 7'38	14°37	26°52	6°55	21° 5	12°10	13°31	27°50	29° 8	15° 7	11°28	10°44	6° 3	28°39		
W14	13 29 0	24° 6'13	28°42	27°33	7°52	20°42	12°11	13°31	27°54	29°10	15° 7	11°18	10°40	6°10	28°43		
T 15	13 32 57	25° 4'47	12♄21	28°17	8°50	20°19	12°12	13°D31	27°57	29°11	15° 8	11° 9	10°37	6°17	28°47		
F 16	13 36 54	26° 3'19	25°32	29° 5	9°49	19°56	12°13	13°31	28° 1	29°13	15° 8	11° 4	10°34	6°23	28°51		
S 17	13 40 50	27° 1'49	8♄17	29°56	10°48	19°34	12°15	13°31	28° 4	29°14	15° 8	11° 0	10°31	6°30	28°55		
S 18	13 44 47	28° 0'18	20°40	0♄51	11°47	19°11	12°17	13°32	28° 8	29°16	15° 9	10°59	10°28	6°36	28°59		
M19	13 48 43	28°58'45	2♁46	1°49	12°46	18°49	12°19	13°32	28°11	29°17	15° 9	10°D59	10°25	6°43	29° 3		
T 20	13 52 40	29°57'10	14°41	2°49	13°46	18°27	12°21	13°33	28°15	29°18	15°10	10°R59	10°21	6°50	29° 7		
W21	13 56 36	0♄55'34	26°29	3°52	14°47	18° 5	12°23	13°33	28°18	29°20	15°10	10°58	10°18	6°56	29°11		
T 22	14 0 33	1°53'56	8♄16	4°58	15°47	17°44	12°26	13°34	28°21	29°21	15°11	10°55	10°15	7° 3	29°14		
F 23	14 4 29	2°52'17	20° 7	6° 7	16°48	17°23	12°28	13°35	28°25	29°22	15°12	10°50	10°12	7°10	29°18		
S 24	14 8 26	3°50'35	2°Y 5	7°18	17°49	17° 2	12°31	13°36	28°28	29°23	15°12	10°42	10° 9	7°16	29°22		
S 25	14 12 23	4°48'53	14°14	8°31	18°51	16°42	12°34	13°37	28°32	29°25	15°13	10°31	10° 5	7°23	29°26		
M26	14 16 19	5°47'08	26°34	9°47	19°53	16°22	12°37	13°38	28°35	29°26	15°14	10°19	10° 2	7°30	29°30		
T 27	14 20 16	6°45'22	9♄ 8	11° 5	20°55	16° 3	12°41	13°39	28°39	29°27	15°14	10° 5	9°59	7°36	29°34		
W28	14 24 12	7°43'34	21°54	12°26	21°57	15°44	12°44	13°41	28°42	29°28	15°15	9°52	9°56	7°43	29°38		
T 29	14 28 9	8°41'44	4♁53	13°48	23° 0	15°26	12°48	13°42	28°45	29°29	15°16	9°40	9°53	7°50	29°42		
F 30	14 32 5	9♄39'53	18♁ 3	15°Y13	24♄ 3	15♁ 9	12♁52	13♁44	28°Y49	29°≈30	15♁16	9♁31	9♁50	7♄56	29°Y45		

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	4n30	14n16	4s57	1s25	0n49	10s56	2n 2	7s35	2n25	18n10	1n 2	17n57	1n15	10n 0	0s31	12s27	0s35	22n45	0n 8	17n 7	17n24	11s42	10n31	0s15
F 2	4 53	17 9	4 35	1 46	0 33	10 46	1 55	7 29	2 24	18 10	1 2	17 57	1 15	10 1	0 31	12 26	0 35	22 45	0 8	17 9	17 25	11 40	10 32	0 15
S 3	5 16	19 13	3 58	2 5	0 17	10 36	1 47	7 23	2 22	18 10	1 2	17 57	1 15	10 2	0 31	12 26	0 35	22 45	0 8	17 10	17 26	11 38	10 33	0 15
S 4	5 39	20 17	3 7	2 21	0 2	10 25	1 39	7 17	2 21	18 10	1 2	17 58	1 15	10 4	0 31	12 25	0 35	22 46	0 8	17 11	17 27	11 37	10 34	0 15
M 5	6 2	20 12	2 5	2 35	0s13	10 14	1 32	7 11	2 19	18 10	1 2	17 58	1 15	10 5	0 31	12 25	0 35	22 46	0 8	17 11	17 27	11 35	10 36	0 15
T 6	6 25	18 52	0 54	2 46	0 27	10 2	1 24	7 4	2 18	18 10	1 2	17 58	1 15	10 6	0 31	12 24	0 35	22 46	0 8	17 11	17 28	11 33	10 37	0 15
W 7	6 47	16 21	0n22	2 54	0 40	9 50	1 17	6 58	2 16	18 10	1 1	17 59	1 15	10 7	0 31	12 24	0 35	22 46	0 8	17 11	17 29	11 32	10 38	0 15
T 8	7 10	12 44	1 38	3 1	0 53	9 37	1 10	6 51	2 14	18 10	1 1	17 59	1 15	10 8	0 31	12 23	0 35	22 46	0 8	17 11	17 30	11 30	10 40	0 15
F 9	7 32	8 17	2 48	3 4	1 6	9 24	1 3	6 45	2 12	18 10	1 1	17 59	1 15	10 10	0 31	12 22	0 35	22 46	0 8	17 12	17 31	11 28	10 41	0 16
S 10	7 54	3 18	3 47	3 5	1 17	9 10	0 56	6 38	2 11	18 10	1 1	17 59	1 15	10 11	0 31	12 22	0 35	22 46	0 8	17 14	17 32	11 27	10 42	0 16
S 11	8 16	1s53	4 31	3 4	1 28	8 56	0 49	6 32	2 9	18 10	1 1	17 59	1 15	10 12	0 31	12 21	0 35	22 46	0 8	17 16	17 33	11 25	10 43	0 16
M12	8 38	6 55	4 56	3 0	1 39	8 41	0 42	6 25	2 7	18 9	1 1	17 59	1 15	10 13	0 31	12 21	0 35	22 46	0 9	17 19	17 34	11 23	10 45	0 16
T 13	9 0	11 26	5 2	2 54	1 48	8 26	0 36	6 19	2 5	18 9	1 1	17 59	1 15	10 15	0 31	12 20	0 35	22 46	0 9	17 22	17 34	11 21	10 46	0 16
W14	9 22	15 12	4 49	2 46	1 57	8 11	0 29	6 12	2 2	18 9	1 1	17 59	1 15	10 16	0 31	12 20	0 35	22 46	0 9	17 25	17 35	11 20	10 47	0 16
T 15	9 43	18 2	4 19	2 36	2 6	7 55	0 23	6 6	2 0	18 8	1 1	17 59	1 15	10 17	0 31	12 19	0 35	22 46	0 9	17 27	17 36	11 18	10 49	0 16
F 16	10 5	19 48	3 37	2 24	2 13	7 39	0 17	5 59	1 58	18 8	1 1	17 59	1 15	10 18	0 31	12 19	0 35	22 46	0 9	17 29	17 37	11 16	10 50	0 16
S 17	10 26	20 29	2 44	2 10	2 20	7 22	0 11	5 53	1 56	18 7	1 0	17 59	1 15	10 20	0 31	12 18	0 35	22 46	0 9	17 30	17 38	11 14	10 51	0 16
S 18	10 47	20 9	1 46	1 54	2 26	7 5	0 5	5 47	1 53	18 7	1 0	17 59	1 15	10 21	0 31	12 18	0 35	22 46	0 9	17 30	17 39	11 13	10 53	0 16
M19	11 8	18 52	0 43	1 36	2 32	6 48	0s 1	5 40	1 51	18 6	1 0	17 59	1 15	10 22	0 31	12 17	0 35	22 46	0 9	17 30	17 40	11 11	10 54	0 16
T 20	11 28	16 46	0s20	1 16	2 37	6 30	0 7	5 34	1 49	18 5	1 0	17 58	1 15	10 23	0 31	12 17	0 35	22 46	0 9	17 30	17 40	11 9	10 55	0 16
W21	11 49	13 59	1 21	0 55	2 41	6 12	0 12	5 28	1 46	18 4	1 0	17 58	1 14	10 25	0 31	12 17	0 35	22 46	0 9	17 31	17 41	11 7	10 57	0 16
T 22	12 9	10 38	2 19	0 32	2 45	5 53	0 18	5 22	1 44	18 4	1 0	17 58	1 14	10 26	0 31	12 16	0 35	22 46	0 9	17 31	17 42	11 6	10 58	0 17
F 23	12 29	6 51	3 11	0 8	2 47	5 34	0 23	5 17	1 41	18 3	1 0	17 58	1 14	10 27	0 31	12 16	0 35	22 46	0 9	17 33	17 43	11 4	10 59	0 17
S 24	12 49	2 46	3 56	0n18	2 50	5 15	0 28	5 11	1 38	18 2	1 0	17 57	1 14	10 28	0 31	12 15	0 35	22 46	0 9	17 35	17 44	11 2	11 0	0 17
S 25	13 9	1n29	4 30	0 45	2 52	4 56	0 33	5 6	1 36	18 1	1 0	17 57	1 14	10 29	0 31	12 15	0 35	22 46	0 9	17 38	17 45	11 0	11 2	0 17
M26	13 28	5 44	4 52	1 14	2 53	4 36	0 38	5 1	1 33	18 0	1 0	17 57	1 14	10 31	0 31	12 15	0 35	22 46	0 9	17 41	17 46	10 59	11 3	0 17
T 27	13 48	9 49	5 0	1 44	2 53	4 16	0 43	4 56	1 31	17 59	0 59	17 56	1 14	10 32	0 31	12 14	0 35	22 46	0 9	17 45	17 46	10 57	11 4	0 17
W28	14 7	13 32	4 54	2 16	2 53	3 55	0 47	4 51	1 28	17 58	0 59	17 56	1 14	10 33	0 31	12 14	0 35	22 46	0 9	17 48	17 47	10 55	11 6	0 17
T 29	14 25	16 41	4 32	2 48	2 52	3 35	0 52	4 47	1 25	17 57	0 59	17 55	1 14											

SWISS EPHEMERIS for the year 1683

JUNE 1683 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	16 38 15	10II26'58	23Ω29	16II35	29Υ11	12Ω27	16Ω15	15Ω26	0Ω30	29≈47	15Ω51	6Ω47	8Ω 8	11Υ30	1Ω41								
W 2	16 42 12	11°24'22	7η37	18°44	0Ω19	12°34	16°23	15°30	0°33	29°R47	15°52	6°R48	8° 5	11°36	1°44								
T 3	16 46 8	12°21'45	21°47	20°51	1°27	12°43	16°32	15°35	0°36	29°47	15°53	6°48	8° 2	11°43	1°47								
F 4	16 50 5	13°19'07	5Ω58	22°57	2°36	12°52	16°41	15°40	0°39	29°47	15°55	6°45	7°58	11°50	1°50								
S 5	16 54 1	14°16'27	20° 7	25° 1	3°44	13° 1	16°50	15°45	0°41	29°47	15°56	6°41	7°55	11°56	1°53								
S 6	16 57 58	15°13'47	4η12	27° 3	4°52	13°11	16°59	15°49	0°44	29°47	15°57	6°35	7°52	12° 3	1°56								
M 7	17 1 54	16°11'05	18° 9	29° 3	6° 1	13°22	17° 8	15°54	0°47	29°47	15°59	6°28	7°49	12°10	1°59								
T 8	17 5 51	17° 8'23	1♂55	1Ω 1	7°10	13°34	17°17	16° 0	0°49	29°47	16° 0	6°19	7°46	12°16	2° 2								
W 9	17 9 48	18° 5'40	15°25	2°57	8°18	13°46	17°26	16° 5	0°52	29°47	16° 2	6°12	7°42	12°23	2° 5								
T 10	17 13 44	19° 2'57	28°39	4°50	9°27	13°59	17°35	16°10	0°54	29°46	16° 3	6° 5	7°39	12°30	2° 8								
F 11	17 17 41	20° 0'13	11Ω34	6°41	10°36	14°12	17°45	16°15	0°57	29°46	16° 5	6° 1	7°36	12°36	2°11								
S 12	17 21 37	20°57'28	24°10	8°30	11°45	14°26	17°54	16°21	0°59	29°46	16° 6	5°58	7°33	12°43	2°14								
S 13	17 25 34	21°54'43	6≈30	10°17	12°54	14°40	18° 4	16°26	1° 2	29°45	16° 7	5°D58	7°30	12°50	2°17								
M14	17 29 30	22°51'58	18°37	12° 1	14° 3	14°55	18°14	16°32	1° 4	29°45	16° 9	5°58	7°27	12°56	2°20								
T 15	17 33 27	23°49'13	0Υ33	13°43	15°13	15°11	18°24	16°37	1° 7	29°45	16°10	6° 0	7°23	13° 3	2°22								
W16	17 37 23	24°46'27	12°24	15°22	16°22	15°27	18°34	16°43	1° 9	29°44	16°12	6° 1	7°20	13°10	2°25								
T 17	17 41 20	25°43'41	24°15	16°59	17°31	15°44	18°44	16°48	1°11	29°44	16°13	6°R 2	7°17	13°16	2°28								
F 18	17 45 17	26°40'54	6Υ10	18°34	18°41	16° 1	18°54	16°54	1°14	29°43	16°15	6° 1	7°14	13°23	2°30								
S 19	17 49 13	27°38'08	18°15	20° 6	19°50	16°19	19° 4	17° 0	1°16	29°43	16°16	5°59	7°11	13°30	2°33								
S 20	17 53 10	28°35'22	0Ω34	21°36	21° 0	16°37	19°14	17° 6	1°18	29°42	16°18	5°56	7° 8	13°36	2°36								
M21	17 57 6	29°32'35	13°10	23° 3	22°10	16°56	19°25	17°12	1°20	29°42	16°19	5°51	7° 4	13°43	2°38								
T 22	18 1 3	0Ω29'49	26° 6	24°27	23°20	17°15	19°35	17°18	1°23	29°41	16°21	5°45	7° 1	13°50	2°41								
W23	18 4 59	1°27'02	9II23	25°50	24°30	17°35	19°46	17°24	1°25	29°40	16°23	5°40	6°58	13°56	2°43								
T 24	18 8 56	2°24'16	23° 0	27° 9	25°39	17°55	19°56	17°30	1°27	29°40	16°24	5°35	6°55	14° 3	2°45								
F 25	18 12 53	3°21'29	6Ω55	28°26	26°49	18°15	20° 7	17°36	1°29	29°39	16°26	5°31	6°52	14°10	2°48								
S 26	18 16 49	4°18'42	21° 4	29°40	28° 0	18°36	20°18	17°42	1°31	29°38	16°27	5°29	6°48	14°17	2°50								
S 27	18 20 46	5°15'55	5Ω23	0Ω52	29°10	18°58	20°28	17°49	1°33	29°37	16°29	5°D28	6°45	14°23	2°52								
M28	18 24 42	6°13'08	19°47	2° 1	0II20	19°20	20°39	17°55	1°35	29°37	16°30	5°29	6°42	14°30	2°55								
T 29	18 28 39	7°10'20	4η11	3° 7	1°30	19°42	20°50	18° 1	1°37	29°36	16°32	5°30	6°39	14°37	2°57								
W30	18 32 35	8Ω 7'32	18η32	4Ω10	2II40	20Ω 5	21Ω 1	18Ω 8	1Ω38	29≈35	16Ω33	5Ω31	6Ω36	14Υ43	2Ω59								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	22n 3	15n 6	1n28	24n 8	1n20	9n 9	2s11	4s53	0n 3	16n53	0n56	17n24	1n13	11n11	0s31	12s 8	0s36	22n44	0n11	18n36	18n16	9s53	11n46	0s20
W 2	22 11	11 10	2 38	24 27	1 27	9 33	2 12	4 57	0 1	16 51	0 56	17 22	1 13	11 12	0 31	12 8	0 36	22 43	0 12	18 36	18 17	9 51	11 47	0 20
T 3	22 19	6 36	3 37	24 44	1 34	9 56	2 12	5 3	0s 1	16 48	0 56	17 21	1 13	11 13	0 31	12 8	0 37	22 43	0 12	18 36	18 17	9 49	11 48	0 20
F 4	22 26	1 40	4 24	24 57	1 40	10 19	2 12	5 8	0 3	16 45	0 56	17 19	1 12	11 14	0 31	12 8	0 37	22 43	0 12	18 37	18 18	9 47	11 49	0 20
S 5	22 33	3s20	4 54	25 8	1 45	10 42	2 13	5 13	0 5	16 42	0 56	17 18	1 12	11 15	0 31	12 8	0 37	22 43	0 12	18 38	18 19	9 46	11 50	0 20
S 6	22 40	8 8	5 6	25 17	1 50	11 5	2 13	5 19	0 7	16 40	0 56	17 16	1 12	11 16	0 31	12 8	0 37	22 43	0 12	18 39	18 20	9 44	11 51	0 20
M 7	22 46	12 27	5 0	25 22	1 54	11 28	2 13	5 25	0 9	16 37	0 56	17 15	1 12	11 17	0 31	12 8	0 37	22 43	0 12	18 41	18 21	9 42	11 52	0 21
T 8	22 51	16 3	4 37	25 25	1 57	11 50	2 12	5 31	0 10	16 34	0 56	17 13	1 12	11 18	0 31	12 8	0 37	22 43	0 12	18 43	18 22	9 40	11 53	0 21
W 9	22 57	18 44	3 58	25 26	1 59	12 13	2 12	5 38	0 12	16 31	0 56	17 12	1 12	11 19	0 31	12 8	0 37	22 43	0 12	18 45	18 22	9 38	11 54	0 21
T 10	23 2	20 21	3 8	25 24	2 1	12 35	2 12	5 44	0 14	16 28	0 56	17 10	1 12	11 20	0 31	12 9	0 37	22 43	0 12	18 47	18 23	9 36	11 55	0 21
F 11	23 6	20 51	2 8	25 20	2 2	12 57	2 11	5 51	0 16	16 25	0 56	17 8	1 12	11 20	0 31	12 9	0 37	22 43	0 12	18 48	18 24	9 34	11 56	0 21
S 12	23 10	20 16	1 3	25 14	2 2	13 18	2 11	5 58	0 18	16 22	0 56	17 7	1 12	11 21	0 31	12 9	0 37	22 42	0 12	18 49	18 25	9 32	11 56	0 21
S 13	23 14	18 43	0s 3	25 5	2 1	13 40	2 10	6 5	0 19	16 19	0 55	17 5	1 12	11 22	0 31	12 9	0 37	22 42	0 12	18 49	18 26	9 30	11 57	0 21
M14	23 17	16 21	1 8	24 55	2 0	14 1	2 10	6 13	0 21	16 16	0 55	17 3	1 12	11 23	0 31	12 9	0 37	22 42	0 12	18 49	18 26	9 28	11 58	0 21
T 15	23 20	13 19	2 10	24 43	1 58	14 22	2 9	6 20	0 23	16 13	0 55	17 2	1 12	11 24	0 31	12 9	0 37	22 42	0 12	18 48	18 27	9 27	11 59	0 21
W16	23 23	9 46	3 5	24 30	1 55	14 43	2 8	6 28	0 24	16 10	0 55	17 0	1 12	11 25	0 31	12 10	0 37	22 42	0 12	18 48	18 28	9 25	12 0	0 21
T 17	23 25	5 50	3 52	24 14	1 51	15 3	2 7	6 36	0 26	16 7	0 55	16 58	1 12	11 25	0 31	12 10	0 37	22 42	0 12	18 48	18 29	9 23	12 1	0 22
F 18	23 26	1 41	4 30	23 58	1 47	15 24	2 6	6 44	0 28	16 4	0 55	16 56	1 12	11 26	0 31	12 10	0 37	22 42	0 12	18 48	18 30	9 21	12 2	0 22
S 19	23 27	2n36	4 56	23 40	1 43	15 43	2 5	6 52	0 29	16 0	0 55	16 55	1 12	11 27	0 31	12 10	0 37	22 42	0 13	18 48	18 30	9 19	12 2	0 22
S 20	23 28	6 51	5 10	23 21	1 37	16 3	2 4	7 1	0 31	15 57	0 55	16 53	1 12	11 28	0 31	12 10	0 37	22 41	0 13	18 49	18 31	9 17	12 3	0 22
M21	23 29	10 55	5 9	23 0	1 31	16 22	2 2	7 9	0 32	15 54	0 55	16 51	1 12	11 28	0 31	12 11	0 37	22 41	0 13	18 50	18 32	9 15	12 4	0 22
T 22	23 29	14 35	4 52	22 39	1 25	16 41	2 1	7 18	0 34	15 50	0 55	16 49	1 12	11 29	0 31	12 11	0 37	22 41	0 13	18 52	18 33	9 13	12 5	0 22
W23	23 28	17 37	4 19	22 17	1 18	17 0	2 0	7 27	0 35	15 47	0 55	16 47	1 12	11 30	0 31	12 11	0 37	22 41	0 13	18 53	18 34	9 11	12 5	0 22
T 24	23 27	19 47	3 31	21 54	1 10	17 18	1 58	7 36	0 37	15 44	0 55	16 45	1 12	11 31	0 31	12 11	0 37	22 41	0 13	18 54	18 34	9 9	12 6	0 22
F 25	23 26	20 48	2 30	21 31	1 2</																			

SWISS EPHEMERIS for the year 1683

JULY 1683 GC

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

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23n10	2n56	4n25	19n 2	0n 1	19n13	1s46	8s43	0s46	15n19	0n55	16n32	1n12	11n35	0s31	12s13	0s37	22n40	0n13	18n55	18n40	8s56	12n11	0s23
F 2	23 6	2s 4	4 58	18 37	0s10	19 28	1 44	8 53	0 47	15 15	0 55	16 30	1 12	11 36	0 31	12 14	0 37	22 40	0 13	18 55	18 41	8 54	12 11	0 23
S 3	23 1	6 53	5 13	18 11	0 23	19 43	1 42	9 3	0 49	15 12	0 55	16 28	1 12	11 36	0 31	12 14	0 37	22 40	0 13	18 55	18 42	8 52	12 12	0 23
S 4	22 57	11 18	5 10	17 47	0 35	19 57	1 39	9 14	0 50	15 8	0 55	16 26	1 12	11 37	0 31	12 15	0 37	22 40	0 13	18 56	18 42	8 50	12 12	0 23
M 5	22 51	15 4	4 50	17 22	0 48	20 10	1 37	9 24	0 51	15 4	0 55	16 24	1 12	11 37	0 31	12 15	0 37	22 39	0 14	18 57	18 43	8 48	12 13	0 23
T 6	22 45	18 0	4 14	16 58	1 1	20 23	1 35	9 35	0 52	15 0	0 54	16 22	1 12	11 38	0 31	12 15	0 37	22 39	0 14	18 57	18 44	8 46	12 13	0 23
W 7	22 39	19 57	3 26	16 35	1 15	20 35	1 33	9 45	0 53	14 57	0 54	16 19	1 12	11 38	0 31	12 16	0 37	22 39	0 14	18 58	18 45	8 44	12 14	0 24
T 8	22 33	20 49	2 27	16 12	1 28	20 47	1 30	9 56	0 54	14 53	0 54	16 17	1 12	11 39	0 31	12 16	0 38	22 39	0 14	18 59	18 46	8 42	12 14	0 24
F 9	22 26	20 37	1 23	15 50	1 42	20 58	1 28	10 7	0 56	14 49	0 54	16 15	1 12	11 39	0 31	12 16	0 38	22 39	0 14	18 59	18 46	8 40	12 15	0 24
S 10	22 19	19 23	0 15	15 29	1 56	21 9	1 26	10 17	0 57	14 45	0 54	16 13	1 12	11 40	0 31	12 17	0 38	22 39	0 14	18 59	18 47	8 38	12 15	0 24
S 11	22 11	17 17	0s52	15 9	2 11	21 19	1 23	10 28	0 58	14 41	0 54	16 11	1 12	11 40	0 31	12 17	0 38	22 39	0 14	18 59	18 48	8 36	12 16	0 24
M 12	22 3 14	17 2	1 56	14 50	2 25	21 29	1 21	10 39	0 59	14 37	0 54	16 9	1 12	11 41	0 31	12 18	0 38	22 39	0 14	18 59	18 49	8 34	12 16	0 24
T 13	21 55	11 3	2 54	14 33	2 39	21 38	1 18	10 50	1 0	14 33	0 54	16 6	1 12	11 41	0 31	12 18	0 38	22 38	0 14	18 59	18 50	8 32	12 17	0 24
W 14	21 46	7 14	3 45	14 17	2 53	21 47	1 16	11 2	1 1	14 29	0 54	16 4	1 12	11 42	0 31	12 19	0 38	22 38	0 14	18 58	18 50	8 30	12 17	0 24
T 15	21 37	3 9	4 26	14 2	3 7	21 55	1 13	11 13	1 2	14 25	0 54	16 2	1 12	11 42	0 31	12 19	0 38	22 38	0 14	18 58	18 51	8 28	12 17	0 24
F 16	21 27	1n 4	4 56	13 49	3 21	22 2	1 10	11 24	1 3	14 21	0 54	16 0	1 12	11 42	0 31	12 20	0 38	22 38</						

SWISS EPHEMERIS for the year 1683

AUGUST 1683 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 38 45	8♂40'47	25♁ 6	3°R59	10♁42	5♁14	27♂25	21♂54	2♁13	28°R56	17♁23	5♂17	4♂54	18♁17	3♁39
M 2	20 42 42	9°38'16	8♁24	3♂20	11°54	5°47	27°38	22° 2	2°13	28♁54	17°25	5°17	4°51	18°24	3°39
T 3	20 46 38	10°35'45	21°24	2°46	13° 6	6°20	27°51	22° 9	2°13	28°53	17°26	5°18	4°48	18°30	3°40
W 4	20 50 35	11°33'16	4♁ 9	2°16	14°19	6°54	28° 3	22°17	2°14	28°51	17°28	5°18	4°45	18°37	3°40
T 5	20 54 31	12°30'47	16°41	1°51	15°31	7°28	28°16	22°24	2°14	28°50	17°29	5°19	4°41	18°44	3°40
F 6	20 58 28	13°28'19	29° 1	1°31	16°43	8° 1	28°29	22°32	2°14	28°48	17°31	5°19	4°38	18°50	3°40
S 7	21 2 24	14°25'52	11♁11	1°18	17°56	8°36	28°42	22°40	2°R14	28°46	17°32	5°R19	4°35	18°57	3°R40
S 8	21 6 21	15°23'27	23°14	1°D12	19° 8	9°10	28°54	22°47	2°14	28°45	17°34	5°19	4°32	19° 4	3°40
M 9	21 10 18	16°21'02	5♁ 9	1°12	20°21	9°44	29° 7	22°55	2°14	28°43	17°35	5°18	4°29	19°10	3°40
T 10	21 14 14	17°18'39	17° 1	1°20	21°34	10°19	29°20	23° 2	2°14	28°42	17°37	5°16	4°26	19°17	3°40
W 11	21 18 11	18°16'18	28°51	1°34	22°46	10°54	29°33	23°10	2°13	28°40	17°38	5°14	4°22	19°24	3°40
T 12	21 22 7	19°13'57	10♁42	1°56	23°59	11°29	29°46	23°18	2°13	28°38	17°39	5°12	4°19	19°30	3°40
F 13	21 26 4	20°11'39	22°37	2°25	25°12	12° 5	29°59	23°25	2°13	28°37	17°41	5°11	4°16	19°37	3°39
S 14	21 30 0	21° 9'22	4♁41	3° 2	26°25	12°40	0♁12	23°33	2°13	28°35	17°42	5° 9	4°13	19°44	3°39
S 15	21 33 57	22° 7'06	16°57	3°46	27°38	13°16	0°25	23°41	2°12	28°34	17°43	5°D 8	4°10	19°50	3°39
M 16	21 37 53	23° 4'52	29°29	4°37	28°51	13°52	0°38	23°48	2°12	28°32	17°45	5° 9	4° 6	19°57	3°38
T 17	21 41 50	24° 2'40	12♁22	5°35	0♁ 4	14°28	0°51	23°56	2°11	28°30	17°46	5° 9	4° 3	20° 4	3°38
W 18	21 45 47	25° 0'30	25°39	6°39	1°17	15° 4	1° 4	24° 4	2°11	28°29	17°47	5°11	4° 0	20°11	3°37
T 19	21 49 43	25°58'22	9♁23	7°50	2°30	15°41	1°17	24°11	2°10	28°27	17°49	5°12	3°57	20°17	3°36
F 20	21 53 40	26°56'15	23°32	9° 6	3°43	16°17	1°30	24°19	2°10	28°25	17°50	5°13	3°54	20°24	3°36
S 21	21 57 36	27°54'10	8♂ 7	10°29	4°56	16°54	1°43	24°27	2° 9	28°24	17°51	5°R13	3°51	20°31	3°35
S 22	22 1 33	28°52'06	23° 1	11°56	6° 9	17°31	1°56	24°34	2° 9	28°22	17°53	5°12	3°47	20°37	3°34
M 23	22 5 29	29°50'04	8♁ 7	13°28	7°23	18° 8	2° 9	24°42	2° 8	28°20	17°54	5°10	3°44	20°44	3°33
T 24	22 9 26	0♁48'03	23°17	15° 5	8°36	18°46	2°22	24°49	2° 7	28°19	17°55	5° 8	3°41	20°51	3°32
W 25	22 13 22	1°46'04	8♁20	16°46	9°49	19°23	2°35	24°57	2° 6	28°17	17°56	5° 4	3°38	20°57	3°31
T 26	22 17 19	2°44'07	23° 8	18°30	11° 3	20° 1	2°48	25° 5	2° 5	28°15	17°58	5° 0	3°35	21° 4	3°30
F 27	22 21 15	3°42'10	7♁34	20°17	12°16	20°39	3° 1	25°12	2° 4	28°14	17°59	4°57	3°31	21°11	3°29
S 28	22 25 12	4°40'15	21°36	22° 6	13°30	21°17	3°14	25°20	2° 3	28°12	18° 0	4°55	3°28	21°17	3°28
S 29	22 29 9	5°38'22	5♁11	23°57	14°43	21°55	3°27	25°27	2° 2	28°11	18° 1	4°D55	3°25	21°24	3°27
M 30	22 33 5	6°36'30	18°23	25°50	15°57	22°33	3°40	25°35	2° 1	28° 9	18° 2	4°55	3°22	21°31	3°26
T 31	22 37 2	7♁34'40	1♁13	27♂45	17♂11	23♁12	3♁53	25♂43	2♁ 0	28♁ 7	18♁ 3	4♂57	3♂19	21♁37	3♁24

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	18n 7	14s14	4n59	14n47	4s38	22n37	0s25	14s29	1s17	13n14	0n54	15n23	1n13	11n46	0s32
M 2	17 52	17 22	4 26	15 4	4 29	22 34	0 23	14 41	1 17	13 10	0 54	15 20	1 13	11 46	0 32
T 3	17 37	19 32	3 40	15 22	4 19	22 30	0 20	14 53	1 18	13 6	0 54	15 18	1 13	11 46	0 32
W 4	17 21	20 40	2 44	15 40	4 8	22 26	0 17	15 5	1 19	13 1	0 54	15 15	1 13	11 46	0 32
T 5	17 5	20 45	1 42	15 58	3 55	22 21	0 14	15 16	1 19	12 57	0 54	15 13	1 13	11 46	0 32
F 6	16 48	19 49	0 35	16 16	3 41	22 15	0 11	15 28	1 20	12 52	0 54	15 10	1 13	11 46	0 32
S 7	16 32	17 58	0s32	16 33	3 26	22 8	0 8	15 40	1 21	12 48	0 54	15 8	1 13	11 46	0 32
S 8	16 15	15 20	1 38	16 50	3 10	22 1	0 5	15 51	1 21	12 43	0 54	15 6	1 13	11 46	0 32
M 9	15 58	12 5	2 38	17 6	2 54	21 53	0 3	16 3	1 22	12 39	0 54	15 3	1 13	11 46	0 32
T 10	15 40	8 22	3 31	17 21	2 37	21 45	0n 0	16 15	1 23	12 34	0 54	15 1	1 13	11 46	0 32
W 11	15 23	4 21	4 15	17 34	2 20	21 36	0 3	16 26	1 23	12 30	0 54	14 58	1 13	11 46	0 32
T 12	15 5	0 10	4 48	17 46	2 2	21 26	0 6	16 38	1 24	12 25	0 55	14 56	1 13	11 46	0 32
F 13	14 47	4n 2	5 8	17 57	1 45	21 16	0 8	16 49	1 24	12 21	0 55	14 53	1 13	11 46	0 32
S 14	14 28	8 8	5 16	18 5	1 28	21 5	0 11	17 1	1 25	12 16	0 55	14 51	1 13	11 46	0 32
S 15	14 10	11 59	5 9	18 11	1 11	20 54	0 14	17 12	1 25	12 12	0 55	14 48	1 14	11 45	0 32
M 16	13 51	15 23	4 48	18 16	0 55	20 42	0 16	17 24	1 26	12 7	0 55	14 46	1 14	11 45	0 32
T 17	13 32	18 9	4 12	18 17	0 38	20 29	0 19	17 35	1 27	12 3	0 55	14 43	1 14	11 45	0 32
W 18	13 12	20 3	3 21	18 16	0 23	20 16	0 22	17 46	1 27	11 58	0 55	14 41	1 14	11 45	0 32
T 19	12 53	20 51	2 18	18 13	0 8	20 2	0 24	17 57	1 28	11 53	0 55	14 38	1 14	11 45	0 32
F 20	12 33	20 22	1 4	18 6	0n 6	19 47	0 27	18 9	1 28	11 49	0 55	14 36	1 14	11 44	0 32
S 21	12 13	18 32	0n16	17 57	0 19	19 32	0 29	18 20	1 29	11 44	0 55	14 34	1 14	11 44	0 32
S 22	11 53	15 23	1 36	17 45	0 32	19 17	0 32	18 31	1 29	11 40	0 55	14 31	1 14	11 44	0 32
M 23	11 33	11 11	2 51	17 30	0 43	19 1	0 34	18 42	1 29	11 35	0 55	14 29	1 14	11 44	0 32
T 24	11 12	6 15	3 54	17 12	0 54	18 44	0 37	18 52	1 30	11 30	0 55	14 26	1 14	11 43	0 32
W 25	10 52	0 59	4 40	16 51	1 4	18 27	0 39	19 3	1 30	11 26	0 55	14 24	1 14	11 43	0 32
T 26	10 31	4s15	5 7	16 27	1 12	18 9	0 41	19 14	1 31	11 21	0 55	14 21	1 14	11 43	0 32
F 27	10 10	9 7	5 13	16 1	1 20	17 51	0 44	19 24	1 31	11 16	0 55	14 19	1 15	11 42	0 32
S 28	9 49	13 21	5 0	15 32	1 27	17 32	0 46	19 35	1 32	11 12	0 55	14 16	1 15	11 42	0 32
S 29	9 28	16 45	4 31	15 0	1 32	17 12	0 48	19 45	1 32	11 7	0 55	14 14	1 15	11 42	0 32
M 30	9 6	19 11	3 48	14 27	1 37	16 53	0 50	19 56	1 32	11 2	0 55	14 11	1 15	11 41	0 32
T 31	8n44	20s34	2n54	13n51	1n41	16n32	0n52	20s 6	1s33	10n58	0n55	14n 9	1n15	11n41	0s32

Julian Day Number = 2335975.5, Delta T = 12.17 sec
 Ecliptic obliquity = 23°28'44, Nutation = - 0°00'13
 Ayanamsha: Fagan/Bradley = 20°19'25, Lahiri = 19°26'25Greg. Calendar

SWISS EPHEMERIS for the year 1683

SEPTEMBER 1683 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 40 58	8♎32'51	13♌45	29♎40	18♏24	23♎50	4♎6	25♏50	1°R59	28°R 6	18♌4	4♏58	3♏16	21♎44	3°R23
T 2	22 44 55	9°31'03	26° 3	1♎35	19°38	24°29	4°19	25°58	1♌58	28°R 4	18° 5	5° 0	3°12	21°51	3♌22
F 3	22 48 51	10°29'17	8♌10	3°31	20°52	25° 8	4°32	26° 5	1°57	28° 3	18° 7	5°R 0	3° 9	21°58	3°20
S 4	22 52 48	11°27'33	20° 9	5°27	22° 6	25°47	4°45	26°13	1°55	28° 1	18° 8	4°59	3° 6	22° 4	3°19
S 5	22 56 44	12°25'50	2♌3	7°22	23°20	26°26	4°58	26°20	1°54	27°59	18° 9	4°56	3° 3	22°11	3°17
M 6	23 0 41	13°24'09	13°55	9°17	24°33	27° 6	5°11	26°27	1°53	27°58	18°10	4°51	3° 0	22°18	3°16
T 7	23 4 38	14°22'30	25°45	11°12	25°47	27°45	5°24	26°35	1°51	27°56	18°11	4°45	2°57	22°24	3°14
W 8	23 8 34	15°20'53	7♌6	13° 6	27° 1	28°25	5°37	26°42	1°50	27°55	18°12	4°37	2°53	22°31	3°12
T 9	23 12 31	16°19'17	19°36	14°59	28°15	29° 5	5°50	26°50	1°48	27°53	18°13	4°29	2°50	22°38	3°10
F 10	23 16 27	17°17'44	1♌29	16°51	29°29	29°45	6° 3	26°57	1°47	27°52	18°13	4°22	2°47	22°44	3° 9
S 11	23 20 24	18°16'13	13°36	18°43	0♎44	0♌25	6°16	27° 4	1°45	27°50	18°14	4°16	2°44	22°51	3° 7
S 12	23 24 20	19°14'44	25°52	20°33	1°58	1° 5	6°29	27°12	1°44	27°49	18°15	4°11	2°41	22°58	3° 5
M13	23 28 17	20°13'17	8♎23	22°23	3°12	1°45	6°42	27°19	1°42	27°47	18°16	4° 8	2°37	23° 4	3° 3
T 14	23 32 13	21°11'53	21°11	24°11	4°26	2°26	6°54	27°26	1°40	27°46	18°17	4°D 8	2°34	23°11	3° 1
W15	23 36 10	22°10'30	4♌20	25°59	5°40	3° 6	7° 7	27°33	1°39	27°44	18°18	4° 8	2°31	23°18	2°59
T 16	23 40 7	23° 9'10	17°54	27°46	6°55	3°47	7°20	27°41	1°37	27°43	18°19	4° 9	2°28	23°25	2°57
F 17	23 44 3	24° 7'52	1♏55	29°31	8° 9	4°28	7°33	27°48	1°35	27°41	18°19	4°R10	2°25	23°31	2°55
S 18	23 48 0	25° 6'37	16°23	1♌16	9°23	5° 9	7°46	27°55	1°33	27°40	18°20	4° 9	2°22	23°38	2°53
S 19	23 51 56	26° 5'23	1♎14	3° 0	10°38	5°50	7°58	28° 2	1°31	27°38	18°21	4° 7	2°18	23°45	2°50
M20	23 55 53	27° 4'12	16°23	4°42	11°52	6°31	8°11	28° 9	1°30	27°37	18°22	4° 2	2°15	23°51	2°48
T 21	23 59 49	28° 3'03	1♌40	6°24	13° 7	7°12	8°24	28°16	1°28	27°36	18°22	3°55	2°12	23°58	2°46
W22	0 3 46	29° 1'55	16°55	8° 5	14°21	7°54	8°36	28°23	1°26	27°34	18°23	3°47	2° 9	24° 5	2°44
T 23	0 7 42	0♌050	1♎57	9°44	15°36	8°35	8°49	28°30	1°24	27°33	18°24	3°38	2° 6	24°11	2°41
F 24	0 11 39	0°59'46	16°56	11°23	16°50	9°17	9° 1	28°37	1°22	27°32	18°24	3°30	2° 3	24°18	2°39
S 25	0 15 36	1°58'45	0♌48	13° 1	18° 5	9°59	9°14	28°44	1°20	27°30	18°25	3°24	1°59	24°25	2°36
S 26	0 19 32	2°57'45	14°31	14°39	19°20	10°40	9°26	28°50	1°18	27°29	18°25	3°21	1°56	24°31	2°34
M27	0 23 29	3°56'47	27°44	16°15	20°34	11°22	9°39	28°57	1°15	27°28	18°26	3°19	1°53	24°38	2°31
T 28	0 27 25	4°55'50	10♌33	17°50	21°49	12° 5	9°51	29° 4	1°13	27°27	18°27	3°D19	1°50	24°45	2°29
W29	0 31 22	5°54'56	23° 0	19°25	23° 4	12°47	10° 4	29°10	1°11	27°25	18°27	3°20	1°47	24°52	2°26
T 30	0 35 18	6°54'03	5♌12	20♌59	24♎19	13♌29	10♎16	29♏17	1♌9	27°R24	18°28	3°R20	1♏43	24♎58	2♌24

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	8n23	20s53	1n54	13n14	1n44	16n12	0n54	20s16	1s33	10n53	0n55	14n 6	1n15	11n41	0s32	12s45	0s38	22n32	0n17	19n 3	19n28	6s49	12n12	0s30
T 2	8 120 11	0 49	12 35	1 46	15 51	0 56	20 26	1 33	10 48	0 56	14 4	1 15	11 40	0 32	12 46	0 38	22 32	0 17	19 3	19 28	6 47	12 11	0 30	
F 3	7 39	18 32	0s17	11 54	1 47	15 29	0 58	20 36	1 34	10 43	0 56	14 1	1 15	11 40	0 32	12 47	0 38	22 32	0 17	19 3	19 29	6 45	12 11	0 30
S 4	7 17	16 5	1 22	11 12	1 48	15 7	1 0	20 46	1 34	10 39	0 56	13 59	1 15	11 39	0 32	12 47	0 38	22 32	0 17	19 3	19 30	6 43	12 10	0 30
S 5	6 54	12 58	2 22	10 29	1 48	14 44	1 2	20 55	1 34	10 34	0 56	13 56	1 15	11 39	0 32	12 48	0 38	22 32	0 18	19 4	19 31	6 41	12 9	0 30
M 6	6 32	9 21	3 16	9 45	1 47	14 21	1 4	21 5	1 35	10 29	0 56	13 54	1 15	11 38	0 32	12 48	0 38	22 32	0 18	19 5	19 31	6 39	12 9	0 30
T 7	6 10	5 22	4 1	9 0	1 45	13 58	1 5	21 14	1 35	10 25	0 56	13 52	1 16	11 38	0 32	12 49	0 38	22 32	0 18	19 7	19 32	6 37	12 8	0 30
W 8	5 47	1 12	4 35	8 15	1 43	13 34	1 7	21 23	1 35	10 20	0 56	13 49	1 16	11 37	0 33	12 49	0 38	22 32	0 18	19 8	19 33	6 35	12 7	0 31
T 9	5 24	3n 2	4 58	7 28	1 41	13 10	1 8	21 32	1 35	10 15	0 56	13 47	1 16	11 37	0 33	12 50	0 38	22 32	0 18	19 10	19 33	6 33	12 7	0 31
F 10	5 2	7 11	5 8	6 42	1 38	12 46	1 10	21 41	1 36	10 11	0 56	13 44	1 16	11 36	0 33	12 50	0 38	22 32	0 18	19 12	19 34	6 30	12 6	0 31
S 11	4 39	11 6	5 5	5 55	1 34	12 21	1 12	21 50	1 36	10 6	0 56	13 42	1 16	11 36	0 33	12 51	0 38	22 32	0 18	19 14	19 35	6 28	12 5	0 31
S 12	4 16	14 36	4 47	5 8	1 30	11 56	1 13	21 59	1 36	10 1	0 56	13 39	1 16	11 35	0 33	12 51	0 39	22 32	0 18	19 15	19 36	6 26	12 5	0 31
M13	3 53	17 32	4 16	4 21	1 26	11 30	1 14	22 7	1 36	9 56	0 56	13 37	1 16	11 35	0 33	12 52	0 39	22 32	0 18	19 15	19 36	6 24	12 4	0 31
T 14	3 30	19 41	3 31	3 33	1 21	11 4	1 16	22 16	1 37	9 52	0 56	13 35	1 16	11 34	0 33	12 52	0 39	22 32	0 18	19 15	19 37	6 22	12 3	0 31
W15	3 7	20 51	2 34	2 46	1 16	10 38	1 17	22 24	1 37	9 47	0 56	13 32	1 17	11 33	0 33	12 53	0 39	22 32	0 18	19 15	19 38	6 20	12 2	0 31
T 16	2 43	20 51	1 27	1 59	1 11	10 12	1 18	22 32	1 37	9 42	0 57	13 30	1 17	11 33	0 33	12 53	0 39	22 32	0 18	19 15	19 39	6 18	12 1	0 31
F 17	2 20	19 34	0 12	1 12	1 6	9 45	1 19	22 40	1 37	9 38	0 57	13 28	1 17	11 32	0 33	12 54	0 39	22 32	0 18	19 15	19 39	6 15	12 1	0 32
S 18	1 57	17 0	1n 5	0 25	1 0	9 18	1 20	22 47	1 37	9 33	0 57	13 25	1 17	11 31	0 33	12 54	0 39	22 32	0 18	19 15	19 40	6 13	12 0	0 32
S 19	1 33	13 14	2 20	0s22	0 54	8 51	1 21	22 55	1 37	9 28	0 57	13 23	1 17	11 31	0 33	12 55	0 39	22 32	0 18	19 16	19 41	6 11	11 59	0 32
M20	1 10	8 33	3 27	1 9	0 48	8 23	1 22	23 2	1 38	9 24	0 57	13 21	1 17	11 30	0 33	12 55	0 39	22 31	0 19	19 17	19 41	6 9	11 58	0 32
T 21	0 47	3 18	4 19	1 55	0 41	7 55	1 23	23 9	1 38	9 19	0 57	13 18	1 17	11 29	0 33	12 56	0 39	22 31	0 19	19 18	19 42	6 7	11 57	0 32
W22	0 23	2s 9	4 52	2 41	0 35	7 27	1 24	23 16	1 38	9 14	0 57	13 16	1 17	11 29	0 33	12 56	0 39	22 31	0 19	19 20	19 43	6 5	11 56	0 32
T 23	0s 0	7 23	5 5	3 26	0 28	6 59	1 24	23 23	1 38	9 10	0 57	13 14	1 18	11 28	0 33	12 57	0 39	22 31	0 19	19 22	19 44	6 2	11 55	0 32
F 24	0 24	12 4	4 58	4 11	0 21	6 30	1 25	23 30	1 38	9 5	0 57	13 11	1 18	11 27	0 33	12 57	0 39	22 31	0 19	19 24	19 44	6 0	11 54	0 32
S 25	0 47	15 55	4 32	4 56	0 15	6 2	1 26	23 36	1 38	9 1	0 57	13 9	1 18	11 27	0 33	12 58	0 39	22 31	0 19	19 26	19 45	5 58	11 53	0 32
S 26	1 11	18 46	3 51	5 40	0 8	5 33	1 26	23 42	1 38	8 56	0 58	13 7	1 18	11 26	0 33	12 58	0 39	22 31	0 19	19 26	19 46	5 56	11 52	0 33
M27	1 34	20 29	2 58	6 23	0 1	5 4	1 26	23 48	1 38	8 51	0 58	13 5	1 18	11 25	0 33	12 59	0 38	22 31	0 19	19 27	19 46	5 54	11 51	0 33
T 28	1 58	21 5	1 59	7 7	0s 6	4 35	1 27	23 54	1 38	8 47	0 58	13 3	1 18	11 24	0 33	12 59	0 38	22 31	0 19	19 27	19 47	5 52	11 51	0 33
W29	2 21	20 37	0 55	7 49	0 14	4 5	1 27	24 0	1 38	8 42	0 58	13 0	1 18	11 24	0 33	12 59	0 38	22 31	0 19	19 27	19 48	5 49	11 50	0 33
T 30	2s45	19s10	0s10	8s31																				

SWISS EPHEMERIS for the year 1683

OCTOBER 1683 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	0 39 15	7 ^h 53'12	17 ^h 21'12	22 ^h 03'32	25 ^h 17'33	14 ^h 27'12	10 ^h 17'28	29 ^h 02'24	1 ^h R 7	27 ^h R23	18 ^h 28'28	3 ^h R19	1 ^h 04'0	25 ^h 5	2 ^h R21	
S 2	0 43 11	8 ^h 52'23	29 ^h 5	24 ^h 4	26 ^h 48	14 ^h 54	10 ^h 40	29 ^h 30	1 ^h 8 5	27 ^h 22	18 ^h 28	3 ^h 016	1 ^h 37	25 ^h 12	2 ^h 18	
S 3	0 47 8	9 ^h 51'35	10 ^h 55	25 ^h 35	28 ^h 3	15 ^h 37	10 ^h 53	29 ^h 37	1 ^h 2	27 ^h 21	18 ^h 29	3 ^h 10	1 ^h 34	25 ^h 18	2 ^h 16	
M 4	0 51 4	10 ^h 50'50	22 ^h 45	27 ^h 6	29 ^h 18	16 ^h 19	11 ^h 5	29 ^h 43	1 ^h 0	27 ^h 20	18 ^h 29	3 ^h 1	1 ^h 31	25 ^h 25	2 ^h 13	
T 5	0 55 1	11 ^h 50'06	4 ^h 37	28 ^h 36	0 ^h 33	17 ^h 2	11 ^h 17	29 ^h 49	0 ^h 58	27 ^h 19	18 ^h 30	2 ^h 50	1 ^h 28	25 ^h 32	2 ^h 10	
W 6	0 58 58	12 ^h 49'25	16 ^h 33	0 ^h 5	1 ^h 48	17 ^h 45	11 ^h 29	29 ^h 56	0 ^h 56	27 ^h 18	18 ^h 30	2 ^h 38	1 ^h 24	25 ^h 38	2 ^h 7	
T 7	1 2 54	13 ^h 48'45	28 ^h 33	1 ^h 33	3 ^h 2	18 ^h 28	11 ^h 41	0 ^h 17	0 ^h 53	27 ^h 17	18 ^h 30	2 ^h 24	1 ^h 21	25 ^h 45	2 ^h 5	
F 8	1 6 51	14 ^h 48'08	10 ^h 41	3 ^h 1	4 ^h 17	19 ^h 11	11 ^h 53	0 ^h 8	0 ^h 51	27 ^h 16	18 ^h 31	2 ^h 11	1 ^h 18	25 ^h 52	2 ^h 2	
S 9	1 10 47	15 ^h 47'33	22 ^h 55	4 ^h 27	5 ^h 32	19 ^h 54	12 ^h 4	0 ^h 14	0 ^h 49	27 ^h 15	18 ^h 31	2 ^h 0	1 ^h 15	25 ^h 58	1 ^h 59	
S 10	1 14 44	16 ^h 47'00	5 ^h 19	5 ^h 53	6 ^h 47	20 ^h 38	12 ^h 16	0 ^h 20	0 ^h 46	27 ^h 14	18 ^h 31	1 ^h 51	1 ^h 12	26 ^h 5	1 ^h 56	
M 11	1 18 40	17 ^h 46'29	17 ^h 54	7 ^h 18	8 ^h 2	21 ^h 21	12 ^h 28	0 ^h 26	0 ^h 44	27 ^h 13	18 ^h 31	1 ^h 45	1 ^h 8	26 ^h 12	1 ^h 53	
T 12	1 22 37	18 ^h 46'01	0 ^h 43	8 ^h 42	9 ^h 17	22 ^h 5	12 ^h 40	0 ^h 32	0 ^h 41	27 ^h 12	18 ^h 32	1 ^h 42	1 ^h 5	26 ^h 19	1 ^h 50	
W 13	1 26 33	19 ^h 45'35	13 ^h 50	10 ^h 6	10 ^h 32	22 ^h 48	12 ^h 51	0 ^h 38	0 ^h 39	27 ^h 11	18 ^h 32	1 ^h 41	1 ^h 2	26 ^h 25	1 ^h 48	
T 14	1 30 30	20 ^h 45'12	27 ^h 16	11 ^h 28	11 ^h 47	23 ^h 32	13 ^h 3	0 ^h 44	0 ^h 37	27 ^h 10	18 ^h 32	1 ^h 41	0 ^h 59	26 ^h 32	1 ^h 45	
F 15	1 34 27	21 ^h 44'50	11 ^h 05	12 ^h 49	13 ^h 3	24 ^h 15	13 ^h 14	0 ^h 50	0 ^h 34	27 ^h 9	18 ^h 32	1 ^h 40	0 ^h 56	26 ^h 39	1 ^h 42	
S 16	1 38 23	22 ^h 44'31	25 ^h 18	14 ^h 10	14 ^h 18	24 ^h 59	13 ^h 26	0 ^h 56	0 ^h 32	27 ^h 9	18 ^h 32	1 ^h 39	0 ^h 53	26 ^h 45	1 ^h 39	
S 17	1 42 20	23 ^h 44'14	9 ^h 54	15 ^h 29	15 ^h 33	25 ^h 43	13 ^h 37	1 ^h 1	0 ^h 29	27 ^h 8	18 ^h 32	1 ^h 35	0 ^h 49	26 ^h 52	1 ^h 36	
M 18	1 46 16	24 ^h 44'00	24 ^h 49	16 ^h 47	16 ^h 48	26 ^h 27	13 ^h 49	1 ^h 7	0 ^h 27	27 ^h 7	18 ^h 32	1 ^h 28	0 ^h 46	26 ^h 59	1 ^h 33	
T 19	1 50 13	25 ^h 43'47	9 ^h 56	18 ^h 4	18 ^h 3	27 ^h 11	14 ^h 0	1 ^h 12	0 ^h 24	27 ^h 7	18 ^h R32	1 ^h 19	0 ^h 43	27 ^h 5	1 ^h 30	
W 20	1 54 9	26 ^h 43'37	25 ^h 6	19 ^h 19	19 ^h 18	27 ^h 55	14 ^h 11	1 ^h 18	0 ^h 22	27 ^h 6	18 ^h 32	1 ^h 7	0 ^h 40	27 ^h 12	1 ^h 27	
T 21	1 58 6	27 ^h 43'29	10 ^h 5	20 ^h 33	20 ^h 34	28 ^h 40	14 ^h 22	1 ^h 23	0 ^h 19	27 ^h 5	18 ^h 32	0 ^h 56	0 ^h 37	27 ^h 19	1 ^h 24	
F 22	2 2 2	28 ^h 43'22	24 ^h 50	21 ^h 45	21 ^h 49	29 ^h 24	14 ^h 33	1 ^h 28	0 ^h 17	27 ^h 5	18 ^h 32	0 ^h 45	0 ^h 34	27 ^h 26	1 ^h 21	
S 23	2 5 59	29 ^h 43'18	9 ^h 5	22 ^h 56	23 ^h 4	0 ^h 8	14 ^h 44	1 ^h 33	0 ^h 15	27 ^h 4	18 ^h 32	0 ^h 36	0 ^h 30	27 ^h 32	1 ^h 18	
S 24	2 9 56	0 ^h 43'15	22 ^h 58	24 ^h 5	24 ^h 19	0 ^h 53	14 ^h 55	1 ^h 39	0 ^h 12	27 ^h 4	18 ^h 32	0 ^h 30	0 ^h 27	27 ^h 39	1 ^h 15	
M 25	2 13 52	1 ^h 43'14	6 ^h 17	25 ^h 11	25 ^h 34	1 ^h 37	15 ^h 6	1 ^h 44	0 ^h 10	27 ^h 3	18 ^h 32	0 ^h 26	0 ^h 24	27 ^h 46	1 ^h 12	
T 26	2 17 49	2 ^h 43'14	19 ^h 10	26 ^h 15	26 ^h 50	2 ^h 22	15 ^h 16	1 ^h 49	0 ^h 7	27 ^h 3	18 ^h 32	0 ^h 25	0 ^h 21	27 ^h 52	1 ^h 9	
W 27	2 21 45	3 ^h 43'16	1 ^h 40	27 ^h 16	28 ^h 5	3 ^h 7	15 ^h 27	1 ^h 54	0 ^h 5	27 ^h 2	18 ^h 32	0 ^h 24	0 ^h 18	27 ^h 59	1 ^h 6	
T 28	2 25 42	4 ^h 43'20	13 ^h 51	28 ^h 15	29 ^h 20	3 ^h 51	15 ^h 37	1 ^h 58	0 ^h 2	27 ^h 2	18 ^h 31	0 ^h 24	0 ^h 14	28 ^h 6	1 ^h 3	
F 29	2 29 38	5 ^h 43'25	25 ^h 50	29 ^h 10	0 ^h 36	4 ^h 36	15 ^h 48	2 ^h 3	29 ^h 59	27 ^h 1	18 ^h 31	0 ^h 23	0 ^h 11	28 ^h 12	1 ^h 0	
S 30	2 33 35	6 ^h 43'32	7 ^h 42	0 ^h 1	1 ^h 51	5 ^h 21	15 ^h 58	2 ^h 8	29 ^h 57	27 ^h 1	18 ^h 31	0 ^h 19	0 ^h 8	28 ^h 19	0 ^h 57	
S 31	2 37 31	7 ^h 43'40	19 ^h 31	0 ^h 48	3 ^h 5	6 ^h 3	16 ^h 17	2 ^h 12	29 ^h 55	27 ^h 1	18 ^h 31	0 ^h 13	0 ^h 5	28 ^h 26	0 ^h 54	

Day	☉			☽			♀			♂			♂			♂			♂			♂			♂			♂			♂							
	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat	decl	decl	lat								
F 1	3s 8	16s852	1s13	9s13	0s28	3n 6	1n28	24s10	1s39	8n33	0n58	12n56	1n19	11n21	0s33	13s 0	0s38	22n31	0n19	19n27	19n49	5s45	11n48	0s33														
S 2	3 31	13 53	2 13	9 54	0 35	2 37	1 28	24 15	1 39	8 29	0 58	12 54	1 19	11 21	0 33	13 1	0 38	22 31	0 19	19 28	19 50	5 43	11 47	0 33														
S 3	3 55	10 21	3 6	10 34	0 42	2 7	1 28	24 20	1 39	8 24	0 58	12 52	1 19	11 21	0 33	13 1	0 38	22 31	0 19	19 29	19 51	5 41	11 46	0 33														
M 4	4 18	6 25	3 51	11 13	0 49	1 37	1 28	24 25	1 39	8 20	0 59	12 50	1 19	11 20	0 33	13 1	0 38	22 31	0 20	19 31	19 51	5 39	11 44	0 33														
T 5	4 41	2 14	4 26	11 52	0 56	1 7	1 28	24 29	1 39	8 15	0 59	12 47	1 19	11 19	0 33	13 2	0 38	22 31	0 20	19 33	19 52	5 36	11 43	0 33														
W 6	5 4	2n 3	4 50	12 30	1 3	0 37	1 27	24 33	1 39	8 11	0 59	12 45	1 20	11 18	0 33	13 2	0 38	22 31	0 20	19 36	19 53	5 34	11 42	0 34														
T 7	5 28	6 18	5 0	13 8	1 10	0 7	1 27	24 37	1 39	8 6	0 59	12 43	1 20	11 17	0 33	13 2	0 38	22 31	0 20	19 39	19 53	5 32	11 41	0 34														
F 8	5 51	10 20	4 58	13 44	1 17	0s23	1 27	24 40	1 38	8 2	0 59	12 41	1 20	11 17	0 33	13 3	0 38	22 32	0 20	19 42	19 54	5 30	11 40	0 34														
S 9	6 13	13 59	4 42	14 20	1 24	0 53	1 26	24 44	1 38	7 57	0 59	12 39	1 20	11 16	0 33	13 3	0 38	22 32	0 20	19 45	19 55	5 28	11 39	0 34														
S 10	6 36	17 5	4 12	14 56	1 30	1 23	1 26	24 47	1 38	7 53	0 59	12 37	1 20	11 15	0 33	13 3	0 38	22 32	0 20	19 47	19 56	5 25	11 38	0 34														
M 11	6 59	19 27	3 30	15 30	1 37	1 53	1 26	24 50	1 38	7 48	0 59	12 35	1 20	11 14	0 33																							

SWISS EPHEMERIS for the year 1683

NOVEMBER 1683 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	2 41 28	8♏43'50	1♃22	1♁31	4♏22	6♁51	16♏19	2♏17	29°R52	27°R 1	18°R30	0°R 4	0♏ 2	28♁33	0°R51
T 2	2 45 25	9°44'02	13°17	2° 9	5°37	7°36	16°29	2°21	29°Y50	27≈ 0	18≈30	29≈53	29≈59	28°39	0♁48
W 3	2 49 21	10°44'15	25°20	2°40	6°52	8°21	16°39	2°26	29°48	27° 0	18°30	29°39	29°55	28°46	0°45
T 4	2 53 18	11°44'30	7♁30	3° 6	8° 8	9° 6	16°49	2°30	29°45	27° 0	18°29	29°25	29°52	28°53	0°42
F 5	2 57 14	12°44'47	19°50	3°24	9°23	9°51	16°58	2°34	29°43	27° 0	18°29	29°12	29°49	28°59	0°39
S 6	3 1 11	13°45'06	2♏19	3°34	10°38	10°37	17° 8	2°38	29°40	27° 0	18°28	28°59	29°46	29° 6	0°36
S 7	3 5 7	14°45'26	14°58	3°R37	11°54	11°22	17°18	2°42	29°38	27° 0	18°28	28°50	29°43	29°13	0°33
M 8	3 9 4	15°45'49	27°47	3°30	13° 9	12° 7	17°27	2°46	29°36	27°D 0	18°27	28°43	29°40	29°19	0°30
T 9	3 13 0	16°46'13	10≈48	3°13	14°24	12°53	17°36	2°50	29°33	27° 0	18°27	28°40	29°36	29°26	0°28
W10	3 16 57	17°46'39	24° 1	2°46	15°40	13°38	17°46	2°53	29°31	27° 0	18°26	28°D38	29°33	29°33	0°25
T 11	3 20 54	18°47'07	7♏29	2° 9	16°55	14°24	17°55	2°57	29°29	27° 0	18°26	28°38	29°30	29°40	0°22
F 12	3 24 50	19°47'36	21°13	1°22	18°11	15°10	18° 4	3° 0	29°26	27° 0	18°25	28°R39	29°27	29°46	0°19
S 13	3 28 47	20°48'08	5♏14	0°25	19°26	15°55	18°13	3° 4	29°24	27° 0	18°25	28°38	29°24	29°53	0°16
S 14	3 32 43	21°48'41	19°32	29♏19	20°41	16°41	18°22	3° 7	29°22	27° 0	18°24	28°35	29°20	29°59	0°14
M15	3 36 40	22°49'17	4♏ 6	28° 7	21°57	17°27	18°30	3°10	29°20	27° 1	18°24	28°29	29°17	0°Y 6	0°11
T 16	3 40 36	23°49'53	18°49	26°48	23°12	18°13	18°39	3°13	29°18	27° 1	18°23	28°21	29°14	0°13	0° 8
W17	3 44 33	24°50'32	3♏37	25°27	24°28	18°58	18°47	3°17	29°15	27° 1	18°22	28°12	29°11	0°20	0° 6
T 18	3 48 29	25°51'12	18°21	24° 6	25°43	19°44	18°56	3°19	29°13	27° 1	18°22	28° 1	29° 8	0°27	0° 3
F 19	3 52 26	26°51'54	2♁52	22°46	26°59	20°30	19° 4	3°22	29°11	27° 2	18°21	27°52	29° 5	0°33	0° 0
S 20	3 56 23	27°52'37	17° 3	21°32	28°14	21°16	19°12	3°25	29° 9	27° 2	18°20	27°44	29° 1	0°40	29°Y58
S 21	4 0 19	28°53'22	0♁51	20°26	29°30	22° 2	19°20	3°28	29° 7	27° 3	18°19	27°38	28°58	0°47	29°55
M22	4 4 16	29°54'07	14°12	19°28	0♁45	22°48	19°28	3°30	29° 5	27° 3	18°19	27°35	28°55	0°53	29°53
T 23	4 8 12	0♁54'54	27° 8	18°41	2° 0	23°35	19°35	3°32	29° 3	27° 3	18°18	27°D34	28°52	1° 0	29°50
W24	4 12 9	1°55'42	9≈41	18° 6	3°16	24°21	19°43	3°35	29° 1	27° 4	18°17	27°34	28°49	1° 7	29°48
T 25	4 16 5	2°56'30	21°56	17°41	4°31	25° 7	19°50	3°37	28°59	27° 5	18°16	27°35	28°46	1°14	29°45
F 26	4 20 2	3°57'20	3♁58	17°29	5°47	25°53	19°58	3°39	28°57	27° 5	18°15	27°R36	28°42	1°20	29°43
S 27	4 23 58	4°58'10	15°51	17°D27	7° 2	26°39	20° 5	3°41	28°55	27° 6	18°14	27°35	28°39	1°27	29°41
S 28	4 27 55	5°59'01	27°42	17°36	8°18	27°26	20°12	3°43	28°53	27° 6	18°14	27°32	28°36	1°34	29°38
M29	4 31 52	6°59'54	9°Y34	17°54	9°33	28°12	20°19	3°45	28°52	27° 7	18°13	27°27	28°33	1°40	29°36
T 30	4 35 48	8♁ 0'47	21°Y32	18♏21	10♁49	28≈58	20♏25	3♏46	28°Y50	27≈ 8	18≈12	27≈20	28≈30	1°Y47	29°Y34

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	14s26	3s29	4s24	23s16	2s49	12s 2	1n 1	24s53	1s35	6n22	1n 3	12n 0	1n24	10n56	0s33	13s 8	0s38	22n33	0n22	20n10	20n11	4s36	11n14	0s36
T 2	14 45	0n50	4 48	23 21	2 47	12 29	1 0	24 50	1 34	6 19	1 3	11 58	1 25	10 55	0 33	13 8	0 38	22 33	0 22	20 13	20 11	4 34	11 12	0 36
W 3	15 4	5 10	4 59	23 24	2 43	12 55	0 58	24 47	1 34	6 15	1 3	11 57	1 25	10 55	0 33	13 8	0 38	22 34	0 22	20 15	20 12	4 32	11 11	0 36
T 4	15 23	9 21	4 57	23 24	2 38	13 21	0 56	24 44	1 34	6 11	1 3	11 55	1 25	10 54	0 33	13 8	0 38	22 34	0 22	20 18	20 13	4 30	11 10	0 36
F 5	15 41	13 12	4 41	23 21	2 32	13 47	0 54	24 40	1 34	6 8	1 4	11 54	1 25	10 53	0 33	13 8	0 38	22 34	0 22	20 21	20 13	4 27	11 9	0 36
S 6	16 0	16 33	4 12	23 16	2 25	14 13	0 52	24 36	1 33	6 4	1 4	11 53	1 25	10 52	0 33	13 8	0 38	22 34	0 22	20 24	20 14	4 25	11 8	0 36
S 7	16 18	19 10	3 29	23 8	2 16	14 38	0 50	24 32	1 33	6 1	1 4	11 52	1 26	10 51	0 33	13 8	0 38	22 34	0 22	20 26	20 15	4 23	11 7	0 36
M 8	16 35	20 52	2 36	22 57	2 6	15 2	0 48	24 28	1 33	5 57	1 4	11 50	1 26	10 50	0 33	13 8	0 38	22 34	0 22	20 27	20 15	4 21	11 6	0 37
T 9	16 53	21 29	1 33	22 42	1 54	15 27	0 46	24 23	1 32	5 54	1 4	11 49	1 26	10 50	0 32	13 8	0 38	22 34	0 22	20 28	20 16	4 18	11 5	0 37
W10	17 10	20 56	0 25	22 23	1 40	15 51	0 44	24 18	1 32	5 50	1 5	11 48	1 26	10 49	0 32	13 8	0 38	22 34	0 22	20 28	20 17	4 16	11 4	0 37
T 11	17 26	19 11	0n47	22 1	1 25	16 14	0 42	24 13	1 32	5 47	1 5	11 47	1 27	10 48	0 32	13 8	0 38	22 35	0 22	20 28	20 17	4 14	11 3	0 37
F 12	17 43	16 18	1 57	21 35	1 8	16 38	0 40	24 8	1 31	5 43	1 5	11 46	1 27	10 47	0 32	13 8	0 38	22 35	0 22	20 28	20 18	4 12	11 2	0 37
S 13	17 59	12 25	3 2	21 6	0 50	17 0	0 38	24 2	1 31	5 40	1 5	11 45	1 27	10 46	0 32	13 8	0 38	22 35	0 22	20 28	20 19	4 9	11 1	0 37
S 14	18 15	7 46	3 56	20 33	0 31	17 23	0 36	23 56	1 30	5 37	1 5	11 44	1 27	10 46	0 32	13 8	0 38	22 35	0 23	20 29	20 19	4 7	11 0	0 37
M15	18 30	2 36	4 36	19 57	0 11	17 44	0 34	23 50	1 30	5 34	1 6	11 43	1 27	10 45	0 32	13 8	0 38	22 35	0 23	20 30	20 20	4 5	10 59	0 37
T 16	18 46	2s46	4 59	19 19	0n10	18 6	0 32	23 43	1 30	5 30	1 6	11 42	1 28	10 44	0 32	13 7	0 38	22 35	0 23	20 31	20 21	4 3	10 58	0 37
W17	19 1	8 1	5 2	18 40	0 30	18 27	0 29	23 36	1 29	5 27	1 6	11 41	1 28	10 43	0 32	13 7	0 38	22 36	0 23	20 33	20 21	4 0	10 57	0 37
T 18	19 15	12 45	4 45	18 1	0 50	18 47	0 27	23 29	1 29	5 24	1 6	11 40	1 28	10 43	0 32	13 7	0 38	22 36	0 23	20 35	20 22	3 58	10 56	0 37
F 19	19 29	16 42	4 9	17 23	1 9	19 7	0 25	23 22	1 29	5 21	1 6	11 40	1 28	10 42	0 32	13 7	0 38	22 36	0 23	20 37	20 23	3 56	10 55	0 37
S 20	19 43	19 33	3 19	16 47	1 27	19 26	0 22	23 15	1 28	5 18	1 7	11 39	1 29	10 41	0 32	13 7	0 38	22 36	0 23	20 39	20 23	3 53	10 54	0 37
S 21	19 57	21 11	2 18	16 14	1 43	19 45	0 20	23 7	1 28	5 15	1 7	11 38	1 29	10 41	0 32	13 7	0 38	22 36	0 23	20 40	20 24	3 51	10 53	0 38
M22	20 10	21 33	1 11	15 45	1 57	20 3	0 18	22 59	1 27	5 12	1 7	11 37	1 29	10 40	0 32	13 7	0 38	22 36	0 23	20 41	20 25	3 49	10 52	0 38
T 23	20 23	20 44	0 2	15 21	2 9	20 21	0 15	22 51	1 27	5 10	1 7	11 37	1 29	10 39	0 32	13 6	0 38	22 37	0 23	20 41	20 25	3 47	10 51	0 38
W24	20 35	18 53	1s 5	15 2	2 19	20 38	0 13	22 42	1 26	5 7	1 8	11 36	1 30	10 38	0 32	13 6	0 38	22 37	0 23	20 41	20 26	3 44	10 50	0 38
T 25	20 47	16 13	2 7	14 48	2 26	20 54	0 11	22 33	1 26	5 4	1 8	11 36	1 30	10 38	0 32	13 6	0 38	22 37	0 23	20 41	20 27	3 42	10 49	0 38
F 26	20 58	12 54	3 3	14 39	2 32	21 10	0 8	22 24	1 25	5 1	1 8	11 35	1 30	10 37	0 32	13 6	0 38	22 37	0 23	20 41	20 27	3 40	10 48	0 38
S 27	21 10	9 7	3 50	14 35	2 36	21 25	0 6	22 15	1 25	4 59	1 8	11 35	1 30	10 37	0 32	13 6	0 38	22 37	0 23	20 41	20 28	3 37	10 47	0 38
S 28	21 20	5 0	4 27	14 35	2 38	21 40	0 4	22 5	1 25	4 56	1 8	11 34	1 31	10 36	0 32	13 5	0 38	22 37	0 24	20 41	20 29	3 35	10 46	0 38
M29	21 31	0 41	4 52	14 40	2 38	21 54	0 1	21 56	1 24	4 54	1 9	11 34	1 31	10 35	0 32	13 5	0 38	22 38	0 24	20 42	20 29			

SWISS EPHEMERIS for the year 1683

DECEMBER 1683 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 39 45	9♈ 1'41	3♉40	18♌56	12♋4	29♌45	20♍32	3♎48	28♏R48	27♏9	18♐R11	27♑R12	28♒26	1♃54	29♓R32
T 2	4 43 41	10° 2'35	15°59	19°38	13°20	0♈31	20°38	3°49	28♏Y46	27° 9	18♐10	27♑3	28°23	2° 0	29♓Y30
F 3	4 47 38	11° 3'31	28°32	20°27	14°35	1°18	20°45	3°51	28°45	27°10	18° 9	26°54	28°20	2° 7	29°28
S 4	4 51 34	12° 4'28	11♐18	21°20	15°50	2° 4	20°51	3°52	28°43	27°11	18° 8	26°46	28°17	2°14	29°26
S 5	4 55 31	13° 5'25	24°17	22°19	17° 6	2°51	20°57	3°53	28°42	27°12	18° 7	26°40	28°14	2°21	29°24
M 6	4 59 27	14° 6'24	7♊28	23°22	18°21	3°37	21° 3	3°54	28°40	27°13	18° 6	26°36	28°11	2°27	29°22
T 7	5 3 24	15° 7'23	20°51	24°28	19°37	4°24	21° 8	3°55	28°39	27°14	18° 5	26°D34	28° 7	2°34	29°20
W 8	5 7 21	16° 8'24	4♊25	25°38	20°52	5°10	21°14	3°56	28°37	27°15	18° 4	26°34	28° 4	2°41	29°18
T 9	5 11 17	17° 9'25	18° 8	26°50	22° 8	5°57	21°19	3°56	28°36	27°16	18° 3	26°35	28° 1	2°47	29°16
F 10	5 15 14	18°10'28	2♎0	28° 5	23°23	6°43	21°24	3°57	28°34	27°17	18° 2	26°37	27°58	2°54	29°15
S 11	5 19 10	19°11'31	16° 1	29°21	24°39	7°30	21°29	3°57	28°33	27°18	18° 1	26°R38	27°55	3° 1	29°13
S 12	5 23 7	20°12'36	0♉10	0♈40	25°54	8°16	21°34	3°58	28°32	27°19	17°59	26°37	27°51	3° 8	29°11
M13	5 27 3	21°13'41	14°25	2° 0	27°10	9° 3	21°39	3°58	28°31	27°20	17°58	26°35	27°48	3°14	29°10
T 14	5 31 0	22°14'47	28°44	3°22	28°25	9°50	21°43	3°58	28°29	27°22	17°57	26°32	27°45	3°21	29° 8
W15	5 34 56	23°15'55	13♌3	4°45	29°40	10°36	21°48	3°R58	28°28	27°23	17°56	26°27	27°42	3°28	29° 7
T 16	5 38 53	24°17'02	27°18	6° 9	0♉56	11°23	21°52	3°58	28°27	27°24	17°55	26°22	27°39	3°34	29° 5
F 17	5 42 50	25°18'11	11♈22	7°33	2°11	12°10	21°56	3°58	28°26	27°25	17°54	26°17	27°36	3°41	29° 4
S 18	5 46 46	26°19'20	25°13	8°59	3°27	12°57	22° 0	3°57	28°25	27°27	17°52	26°13	27°32	3°48	29° 3
S 19	5 50 43	27°20'30	8♉46	10°26	4°42	13°43	22° 3	3°57	28°24	27°28	17°51	26°10	27°29	3°55	29° 1
M20	5 54 39	28°21'40	21°58	11°53	5°58	14°30	22° 7	3°56	28°23	27°29	17°50	26°D 9	27°26	4° 1	29° 0
T 21	5 58 36	29°22'50	4♌51	13°20	7°13	15°17	22°10	3°56	28°22	27°31	17°49	26° 9	27°23	4° 8	28°59
W22	6 2 32	0♉24'00	17°24	14°49	8°29	16° 3	22°13	3°55	28°22	27°32	17°48	26°10	27°20	4°15	28°58
T 23	6 6 29	1°25'10	29°41	16°17	9°44	16°50	22°16	3°54	28°21	27°33	17°46	26°12	27°17	4°21	28°57
F 24	6 10 25	2°26'21	11♈44	17°47	10°59	17°37	22°19	3°53	28°20	27°35	17°45	26°14	27°13	4°28	28°56
S 25	6 14 22	3°27'31	23°40	19°16	12°15	18°24	22°21	3°52	28°19	27°36	17°44	26°15	27°10	4°35	28°55
S 26	6 18 19	4°28'41	5♏32	20°46	13°30	19°11	22°24	3°51	28°19	27°38	17°43	26°R15	27° 7	4°42	28°54
M27	6 22 15	5°29'51	17°25	22°17	14°46	19°57	22°26	3°49	28°18	27°39	17°41	26°15	27° 4	4°48	28°53
T 28	6 26 12	6°31'00	29°23	23°48	16° 1	20°44	22°28	3°48	28°18	27°41	17°40	26°13	27° 1	4°55	28°53
W29	6 30 8	7°32'10	11♉33	25°19	17°16	21°31	22°30	3°46	28°17	27°43	17°39	26°11	26°57	5° 2	28°52
T 30	6 34 5	8°33'19	23°56	26°51	18°32	22°18	22°31	3°45	28°17	27°44	17°38	26° 8	26°54	5° 8	28°51
F 31	6 38 1	9♉34'28	6♐36	28♌23	19♌47	23♌4	22♍33	3♎43	28♏Y17	27♏46	17♑36	26♒5	26♓51	5♃15	28♃51

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	21s50	7n58	5s 5	14s59	2n36	22s20	0s 4	21s35	1s23	4n49	1n 9	11n33	1n31	10n34	0s32	13s 5	0s38	22n38	0n24	20n45	20n30	3s28	10n44	0s38
T 2	22 0 12	1 4 51	15 13	2 33	22 32	0 6	21 25	1 23	4 47	1 9	11 33	1 32	10 34	0 32	13 4	0 38	22 38	0 24	20 47	20 31	3 26	10 43	0 38	
F 3	22 8 15	36 4 22	15 30	2 29	22 44	0 8	21 14	1 22	4 45	1 10	11 32	1 32	10 33	0 32	13 4	0 38	22 38	0 24	20 49	20 32	3 24	10 42	0 38	
S 4	22 17 18	32 3 40	15 48	2 24	22 54	0 11	21 3	1 22	4 42	1 10	11 32	1 32	10 32	0 32	13 4	0 38	22 39	0 24	20 50	20 32	3 21	10 41	0 38	
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