

SWISS EPHEMERIS for the year 1682

JANUARY 1682 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	6 43 53	11♌ 5'27	13♋34	19♌34	14♌19	7♌18	15°R47	4°R52	20♍ 9	23♌30	15°R 0	4°R 8	5♍27	14♌14	20♍37
F 2	6 47 50	12° 6'37	26°23	20° 1	15°33	8° 5	15♌39	4♌48	20°10	23°32	14♌59	4♍ 7	5°24	14°21	20°37
S 3	6 51 46	13° 7'47	8♌53	20°34	16°48	8°53	15°31	4°44	20°10	23°34	14°57	4° 4	5°21	14°27	20°37
S 4	6 55 43	14° 8'58	21°10	21°13	18° 3	9°40	15°23	4°39	20°10	23°36	14°56	3°58	5°18	14°34	20°37
M 5	6 59 39	15°10'08	3♌17	21°58	19°18	10°27	15°15	4°35	20°11	23°38	14°55	3°50	5°15	14°41	20°38
T 6	7 3 36	16°11'18	15°17	22°46	20°33	11°15	15° 7	4°30	20°11	23°39	14°54	3°41	5°12	14°47	20°38
W 7	7 7 32	17°12'28	27°12	23°39	21°47	12° 2	14°59	4°26	20°11	23°41	14°52	3°31	5° 8	14°54	20°38
T 8	7 11 29	18°13'38	9♌ 3	24°36	23° 2	12°50	14°51	4°21	20°12	23°43	14°51	3°22	5° 5	15° 1	20°39
F 9	7 15 26	19°14'48	20°53	25°36	24°17	13°37	14°43	4°16	20°13	23°45	14°50	3°14	5° 2	15° 7	20°39
S 10	7 19 22	20°15'57	2♌43	26°38	25°32	14°24	14°35	4°12	20°13	23°47	14°49	3° 8	4°59	15°14	20°40
S 11	7 23 19	21°17'05	14°35	27°44	26°47	15°12	14°27	4° 7	20°14	23°49	14°47	3° 3	4°56	15°21	20°40
M12	7 27 15	22°18'13	26°31	28°52	28° 1	15°59	14°19	4° 2	20°15	23°51	14°46	3° 2	4°53	15°28	20°41
T 13	7 31 12	23°19'20	8♌34	0♌ 2	29°16	16°46	14°11	3°57	20°15	23°53	14°45	3°D 1	4°49	15°34	20°42
W14	7 35 8	24°20'26	20°47	1°14	0♌31	17°34	14° 3	3°53	20°16	23°55	14°43	3° 3	4°46	15°41	20°43
T 15	7 39 5	25°21'32	3♍14	2°28	1°46	18°21	13°55	3°48	20°17	23°57	14°42	3° 4	4°43	15°48	20°44
F 16	7 43 1	26°22'36	15°58	3°43	3° 1	19° 9	13°47	3°43	20°18	23°59	14°41	3° 6	4°40	15°54	20°45
S 17	7 46 58	27°23'40	29° 5	5° 0	4°16	19°56	13°40	3°38	20°19	24° 1	14°40	3°R 6	4°37	16° 1	20°46
S 18	7 50 54	28°24'42	12♌36	6°18	5°30	20°43	13°32	3°33	20°20	24° 4	14°38	3° 5	4°33	16° 8	20°47
M19	7 54 51	29°25'43	26°35	7°38	6°45	21°31	13°24	3°28	20°21	24° 6	14°37	3° 3	4°30	16°14	20°48
T 20	7 58 48	0♌26'44	11♌ 1	8°59	8° 0	22°18	13°17	3°23	20°22	24° 8	14°36	2°59	4°27	16°21	20°49
W21	8 2 44	1°27'43	25°50	10°21	9°15	23° 6	13°10	3°18	20°23	24°10	14°35	2°54	4°24	16°28	20°50
T 22	8 6 41	2°28'41	10♌56	11°43	10°30	23°53	13° 2	3°14	20°25	24°12	14°34	2°50	4°21	16°34	20°51
F 23	8 10 37	3°29'39	26°11	13° 7	11°45	24°40	12°55	3° 9	20°26	24°14	14°32	2°46	4°18	16°41	20°53
S 24	8 14 34	4°30'35	11♌23	14°32	13° 0	25°28	12°48	3° 4	20°27	24°16	14°31	2°43	4°14	16°48	20°54
S 25	8 18 30	5°31'30	26°23	15°58	14°15	26°15	12°41	2°59	20°28	24°19	14°30	2°D42	4°11	16°54	20°55
M26	8 22 27	6°32'24	11♍ 3	17°25	15°29	27° 2	12°34	2°54	20°30	24°21	14°29	2°42	4° 8	17° 1	20°57
T 27	8 26 24	7°33'17	25°18	18°52	16°44	27°50	12°28	2°49	20°31	24°23	14°28	2°43	4° 5	17° 8	20°58
W28	8 30 20	8°34'10	9♌ 4	20°21	17°59	28°37	12°21	2°44	20°33	24°25	14°26	2°44	4° 2	17°15	21° 0
T 29	8 34 17	9°35'01	22°24	21°50	19°14	29°24	12°15	2°39	20°34	24°27	14°25	2°46	3°59	17°21	21° 2
F 30	8 38 13	10°35'52	5♌18	23°20	20°29	0♌12	12° 8	2°34	20°36	24°30	14°24	2°R47	3°55	17°28	21° 3
S 31	8 42 10	11°36'42	17♌52	24♌51	21♌44	0♌59	12° 2	2°30	20°38	24°32	14°23	2♍47	3♍52	17♌35	21♍ 5

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23s 1	2s22	3n16	20s22	2n42	21s32	1n 2	19s35	1s 9	22n46	0n13	19n37	0n33	7n21	0s35	14s11	0s30	22n17	0s21	10n 1	9n32	18s43	8n24	0n22
F 2	22 56	6 25	4 3	20 32	2 34	21 43	0 59	19 23	1 9	22 47	0 13	19 38	0 33	7 21	0 35	14 10	0 30	22 17	0 21	10 1	9 33	18 43	8 24	0 22
S 3	22 50	10 5	4 38	20 43	2 26	21 53	0 57	19 10	1 9	22 48	0 13	19 39	0 33	7 21	0 35	14 9	0 30	22 17	0 21	10 2	9 34	18 43	8 24	0 22
S 4	22 44	13 16	4 59	20 54	2 18	22 2	0 54	18 58	1 9	22 49	0 14	19 40	0 34	7 21	0 35	14 9	0 30	22 18	0 21	10 4	9 35	18 43	8 24	0 21
M 5	22 37	15 49	5 7	21 5	2 9	22 11	0 52	18 44	1 8	22 50	0 14	19 42	0 34	7 21	0 35	14 8	0 30	22 18	0 21	10 7	9 36	18 43	8 24	0 21
T 6	22 30	17 41	5 1	21 17	2 0	22 20	0 49	18 31	1 8	22 51	0 14	19 43	0 34	7 21	0 35	14 8	0 30	22 18	0 21	10 10	9 37	18 43	8 24	0 21
W 7	22 22	18 45	4 42	21 29	1 51	22 27	0 46	18 18	1 8	22 52	0 14	19 44	0 34	7 22	0 35	14 7	0 30	22 18	0 21	10 14	9 38	18 42	8 24	0 21
T 8	22 14	19 0	4 10	21 41	1 41	22 34	0 44	18 4	1 8	22 53	0 14	19 45	0 34	7 22	0 35	14 6	0 30	22 18	0 21	10 17	9 40	18 42	8 24	0 21
F 9	22 6	18 25	3 28	21 52	1 32	22 40	0 41	17 50	1 7	22 54	0 14	19 46	0 34	7 22	0 35	14 6	0 30	22 19	0 21	10 20	9 41	18 42	8 24	0 21
S 10	21 57	17 2	2 37	22 4	1 23	22 46	0 39	17 36	1 7	22 55	0 14	19 48	0 34	7 22	0 35	14 5	0 30	22 19	0 21	10 22	9 42	18 42	8 24	0 21
S 11	21 47	14 55	1 38	22 14	1 13	22 50	0 36	17 22	1 7	22 56	0 15	19 49	0 34	7 23	0 35	14 4	0 30	22 19	0 21	10 24	9 43	18 42	8 24	0 21
M12	21 38	12 8	0 35	22 24	1 4	22 55	0 33	17 8	1 6	22 57	0 15	19 50	0 35	7 23	0 35	14 4	0 30	22 19	0 20	10 25	9 44	18 42	8 25	0 21
T 13	21 28	8 50	0s30	22 34	0 55	22 58	0 31	16 53	1 6	22 58	0 15	19 51	0 35	7 23	0 35	14 3	0 30	22 19	0 20	10 25	9 45	18 41	8 25	0 21
W14	21 17	5 7	1 35	22 43	0 46	23 1	0 28	16 38	1 6	22 59	0 15	19 53	0 35	7 24	0 35	14 2	0 30	22 20	0 20	10 24	9 47	18 41	8 25	0 20
T 15	21 6	1 7	2 37	22 51	0 37	23 3	0 25	16 23	1 6	23 0	0 15	19 54	0 35	7 24	0 35	14 2	0 30	22 20	0 20	10 24	9 48	18 41	8 25	0 20
F 16	20 55	3n 1	3 33	22 58	0 28	23 4	0 23	16 8	1 5	23 1	0 15	19 55	0 35	7 24	0 35	14 1	0 30	22 20	0 20	10 23	9 49	18 41	8 25	0 20
S 17	20 43	7 7	4 19	23 4	0 19	23 5	0 20	15 53	1 5	23 2	0 15	19 56	0 35	7 25	0 35	14 0	0 30	22 20	0 20	10 23	9 50	18 41	8 26	0 20
S 18	20 31	11 0	4 53	23 9	0 11	23 5	0 17	15 38	1 5	23 3	0 15	19 58	0 35	7 25	0 35	14 0	0 30	22 20	0 20	10 23	9 51	18 41	8 26	0 20
M19	20 18	14 23	5 11	23 13	0 2	23 4	0 14	15 22	1 4	23 4	0 16	19 59	0 35	7 26	0 35	13 59	0 30	22 21	0 20	10 24	9 52	18 40	8 26	0 20
T 20	20 5	17 1	5 9	23 16	0s 6	23 2	0 12	15 7	1 4	23 4	0 16	20 0	0 35	7 26	0 35	13 58	0 30	22 21	0 20	10 26	9 54	18 40	8 27	0 20
W21	19 52	18 37	4 48	23 18	0 14	23 0	0 9	14 51	1 4	23 5	0 16	20 1	0 36	7 27	0 35	13 58	0 30	22 21	0 20	10 27	9 55	18 40	8 27	0 20
T 22	19 38	18 56	4 6	23 19	0 21	22 57	0 6	14 35	1 3	23 6	0 16	20 3	0 36	7 27	0 35	13 57	0 30	22 21	0 20	10 29	9 56	18 40	8 27	0 20
F 23	19 24	17 53	3 7	23 19	0 29	22 54	0 4	14 18	1 3	23 7	0 16	20 4	0 36	7 28	0 35	13 56	0 30	22 21	0 20	10 30	9 57	18 39	8 28	0 20
S 24	19 10	15 34	1 54	23 17	0 36	22 49	0 1	14 2	1 3	23 8	0 16	20 5	0 36	7 28	0 35	13 55	0 30	22 22	0 20	10 31	9 58	18 39	8 28	0 19
S 25	18 55	12 12	0 35	23 14	0 43	22 44	0s 2	13 46	1 2	23 8	0 16	20 6	0 36	7 29	0 35	13 55	0 30	22 22	0 20	10 32	9 59	18 39	8 29	0 19
M26	18 40	8 8	0n46	23 10	0 50	22 39	0 4	13 29	1 2	23 9	0 16	20 8	0 36	7 29	0 35	13 54	0 30	22 22	0 20	10 32	10 1	18 39	8 29	0 19
T 27	18 25	3 44	2 1	23 5	0 57	22 32	0 7	13 13	1 2	23 10	0 16	20 9	0 36	7 30	0 35	13 53	0 30	22 22	0 19	10 31	10 2	18 39	8 30	0 19
W28	18 9	0s44	3 7	22 58	1 3	22 25	0 9	12 56	1 1	23 11	0 17	20 10	0 36	7 30	0 35	13 53	0 30	22 22	0 19	10 31	10 3	18 38	8 30	0 19
T 29	17 53	5 0	4 1	22 51	1 9	22 18	0 12	12 39																

SWISS EPHEMERIS for the year 1682

FEBRUARY 1682 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 46 6	12 ³⁷ 31	0 ⁸ 8	26 ²³ 23	22 ³⁵ 59	1 ⁴⁶ 46	11 ⁵⁶ 56	2 ²⁵ 25	20 ³⁹ 39	24 ³⁴ 34	14 ²² 22	2 ⁴⁶ 46	3 ⁴⁹ 49	17 ⁴¹ 41	21 ⁷ 7
M 2	8 50 3	13 ³⁸ 19	12 ¹²	27 ⁵⁵	24 ¹⁴	2 ³³	11 ⁵⁰ 50	2 ²⁰ 20	20 ⁴¹	24 ³⁶	14 ²¹	2 ⁴⁴ 44	3 ⁴⁶	17 ⁴⁸	21 ⁹ 9
T 3	8 53 59	14 ³⁹ 06	24 ⁷	29 ²⁸	25 ²⁹	3 ²¹	11 ⁴⁴	2 ¹⁵	20 ⁴³	24 ³⁹	14 ²⁰	2 ⁴¹	3 ⁴³	17 ⁵⁵	21 ¹¹ 11
W 4	8 57 56	15 ³⁹ 52	5 ⁵⁸	1 ²	26 ⁴³	4 ⁸	11 ³⁹	2 ¹⁰	20 ⁴⁵	24 ⁴¹	14 ¹⁹	2 ³⁸	3 ³⁹	18 ¹	21 ¹³ 13
T 5	9 1 53	16 ⁴⁰ 37	17 ⁴⁷	2 ³⁷	27 ⁵⁸	4 ⁵⁵	11 ³³	2 ⁶	20 ⁴⁷	24 ⁴³	14 ¹⁸	2 ³⁵	3 ³⁶	18 ⁸	21 ¹⁵ 15
F 6	9 5 49	17 ⁴¹ 21	29 ³⁷	4 ¹³	29 ¹³	5 ⁴²	11 ²⁸	2 ¹	20 ⁴⁹	24 ⁴⁵	14 ¹⁷	2 ³³	3 ³³	18 ¹⁵	21 ¹⁷ 17
S 7	9 9 46	18 ⁴² 03	11 ³¹	5 ⁴⁹	0 ²⁸	6 ³⁰	11 ²³	1 ⁵⁶	20 ⁵¹	24 ⁴⁸	14 ¹⁶	2 ³¹	3 ³⁰	18 ²¹	21 ¹⁹ 19
S 8	9 13 42	19 ⁴² 44	23 ³⁰	7 ²⁷	1 ⁴³	7 ¹⁷	11 ¹⁸	1 ⁵²	20 ⁵³	24 ⁵⁰	14 ¹⁵	2 ³⁰	3 ²⁷	18 ²⁸	21 ²¹ 21
M 9	9 17 39	20 ⁴³ 23	5 ³⁷	9 ⁵	2 ⁵⁸	8 ⁴	11 ¹³	1 ⁴⁷	20 ⁵⁵	24 ⁵²	14 ¹³	2 ²⁸ 30	3 ²⁴	18 ³⁵	21 ²³ 23
T 10	9 21 35	21 ⁴⁴ 01	17 ⁵²	10 ⁴⁴	4 ¹³	8 ⁵¹	11 ⁸	1 ⁴³	20 ⁵⁷	24 ⁵⁴	14 ¹³	2 ³¹	3 ²⁰	18 ⁴¹	21 ²⁶ 26
W 11	9 25 32	22 ⁴⁴ 37	0 ¹⁸	12 ²⁴	5 ²⁸	9 ³⁸	11 ⁴	1 ³⁸	20 ⁵⁹	24 ⁵⁷	14 ¹²	2 ³¹	3 ¹⁷	18 ⁴⁸	21 ²⁸ 28
T 12	9 29 28	23 ⁴⁵ 11	12 ⁵⁷	14 ⁴	6 ⁴²	10 ²⁵	11 ⁰	1 ³⁴	21 ¹	24 ⁵⁹	14 ¹¹	2 ³²	3 ¹⁴	18 ⁵⁵	21 ³⁰ 30
F 13	9 33 25	24 ⁴⁵ 44	25 ⁵¹	15 ⁴⁶	7 ⁵⁷	11 ¹²	10 ⁵⁶	1 ³⁰	21 ³	25 ¹	14 ¹⁰	2 ³³	3 ¹¹	19 ¹	21 ³³ 33
S 14	9 37 21	25 ⁴⁶ 15	9 ⁸	17 ²⁸	9 ¹²	11 ⁵⁹	10 ⁵²	1 ²⁵	21 ⁵	25 ³	14 ⁹	2 ³⁴	3 ⁸	19 ⁸	21 ³⁵ 35
S 15	9 41 18	26 ⁴⁶ 44	22 ³¹	19 ¹²	10 ²⁷	12 ⁴⁶	10 ⁴⁸	1 ²¹	21 ⁸	25 ⁶	14 ⁸	2 ³⁴	3 ⁵	19 ¹⁵	21 ³⁸ 38
M 16	9 45 15	27 ⁴⁷ 11	6 ²⁰	20 ⁵⁶	11 ⁴²	13 ³³	10 ⁴⁴	1 ¹⁷	21 ¹⁰	25 ⁸	14 ⁷	2 ³⁴	3 ¹	19 ²²	21 ⁴⁰ 40
T 17	9 49 11	28 ⁴⁷ 36	20 ²⁹	22 ⁴²	12 ⁵⁷	14 ²⁰	10 ⁴¹	1 ¹³	21 ¹²	25 ¹⁰	14 ⁶	2 ³⁴	2 ⁵⁸	19 ²⁸	21 ⁴³ 43
W 18	9 53 8	29 ⁴⁸ 00	4 ⁵⁷	24 ²⁸	14 ¹¹	15 ⁷	10 ³⁸	1 ⁹	21 ¹⁵	25 ¹³	14 ⁵	2 ³⁴	2 ⁵⁵	19 ³⁵	21 ⁴⁵ 45
T 19	9 57 4	0 ⁴⁸ 21	19 ⁴⁰	26 ¹⁵	15 ²⁶	15 ⁵⁴	10 ³⁵	1 ⁵	21 ¹⁷	25 ¹⁵	14 ⁴	2 ³³	2 ⁵²	19 ⁴²	21 ⁴⁸ 48
F 20	10 1 1	1 ⁴⁸ 40	4 ³²	28 ³	16 ⁴¹	16 ⁴¹	10 ³²	1 ¹	21 ²⁰	25 ¹⁷	14 ⁴	2 ³³	2 ⁴⁹	19 ⁴⁸	21 ⁵¹ 51
S 21	10 4 57	2 ⁴⁸ 58	19 ²⁷	29 ⁵³	17 ⁵⁶	17 ²⁸	10 ²⁹	0 ⁵⁷	21 ²²	25 ¹⁹	14 ³	2 ³³	2 ⁴⁵	19 ⁵⁵	21 ⁵³ 53
S 22	10 8 54	3 ⁴⁹ 13	4 ¹⁵	1 ⁴³	19 ¹¹	18 ¹⁵	10 ²⁷	0 ⁵⁴	21 ²⁵	25 ²²	14 ²	2 ³³	2 ⁴²	20 ²	21 ⁵⁶ 56
M 23	10 12 50	4 ⁴⁹ 27	18 ⁵¹	3 ³⁴	20 ²⁵	19 ²	10 ²⁵	0 ⁵⁰	21 ²⁷	25 ²⁴	14 ¹	2 ³³	2 ³⁹	20 ⁸	21 ⁵⁹ 59
T 24	10 16 47	5 ⁴⁹ 39	3 ⁷	5 ²⁶	21 ⁴⁰	19 ⁴⁸	10 ²³	0 ⁴⁶	21 ³⁰	25 ²⁶	14 ¹	2 ³³	2 ³⁶	20 ¹⁵	22 ² 2
W 25	10 20 44	6 ⁴⁹ 50	17 ⁰	7 ¹⁹	22 ⁵⁵	20 ³⁵	10 ²¹	0 ⁴³	21 ³³	25 ²⁸	14 ⁰	2 ³²	2 ³³	20 ²²	22 ⁵ 5
T 26	10 24 40	7 ⁴⁹ 59	0 ²⁷	9 ¹³	24 ¹⁰	21 ²²	10 ¹⁹	0 ³⁹	21 ³⁵	25 ³¹	13 ⁵⁹	2 ³²	2 ³⁰	20 ²⁸	22 ⁸ 8
F 27	10 28 37	8 ⁵⁰ 06	13 ²⁹	11 ⁷	25 ²⁴	22 ⁸	10 ¹⁸	0 ³⁶	21 ³⁸	25 ³³	13 ⁵⁸	2 ³¹	2 ²⁶	20 ³⁵	22 ¹¹ 11
S 28	10 32 33	9 ⁵⁰ 11	26 ¹¹	13 ³	26 ³⁹	22 ⁵⁵	10 ¹⁶	0 ³³	21 ⁴¹	25 ³⁵	13 ⁵⁸	2 ³¹	2 ²³	20 ⁴²	22 ¹⁴ 14

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	17s 3	15s 5	5n15	22s19	1s26	21s50	0s20	11s47	1s 0	23n13	0n17	20n15	0n37	7n33	0s34	13s50	0s30	22n23	0s19	10n30	10n 7	18s37	8n32	0n19
M 2	16 45	17 9	5 11	22 6	1 31	21 40	0 22	11 30	0 59	23 14	0 17	20 16	0 37	7 34	0 34	13 49	0 30	22 23	0 19	10 31	10 9	18 37	8 33	0 19
T 3	16 28	18 27	4 54	21 51	1 36	21 29	0 25	11 12	0 59	23 15	0 17	20 17	0 37	7 34	0 34	13 48	0 30	22 23	0 19	10 32	10 10	18 37	8 34	0 18
W 4	16 10	18 57	4 24	21 35	1 40	21 17	0 27	10 55	0 58	23 15	0 17	20 18	0 37	7 35	0 34	13 47	0 30	22 24	0 19	10 33	10 11	18 37	8 34	0 18
T 5	15 52	18 37	3 43	21 18	1 44	21 5	0 29	10 37	0 58	23 16	0 17	20 20	0 37	7 36	0 34	13 47	0 30	22 24	0 19	10 34	10 12	18 36	8 35	0 18
F 6	15 33	17 27	2 52	20 59	1 48	20 52	0 32	10 19	0 57	23 16	0 17	20 21	0 37	7 37	0 34	13 46	0 30	22 24	0 19	10 35	10 13	18 36	8 36	0 18
S 7	15 15	15 32	1 54	20 39	1 51	20 38	0 34	10 2	0 57	23 17	0 18	20 22	0 37	7 37	0 34	13 45	0 30	22 24	0 19	10 36	10 14	18 36	8 36	0 18
S 8	14 56	12 55	0 50	20 17	1 55	20 24	0 36	9 44	0 57	23 17	0 18	20 23	0 37	7 38	0 34	13 44	0 30	22 24	0 19	10 36	10 16	18 36	8 37	0 18
M 9	14 37	9 44	0s17	19 54	1 57	20 9	0 39	9 26	0 56	23 18	0 18	20 24	0 37	7 39	0 34	13 44	0 30	22 25	0 19	10 36	10 17	18 35	8 38	0 18
T 10	14 17	6 6	1 24	19 30	2 0	19 54	0 41	9 7	0 56	23 18	0 18	20 25	0 37	7 40	0 34	13 43	0 30	22 25	0 19	10 36	10 18	18 35	8 39	0 18
W 11	13 57	2 9	2 28	19 4	2 2	19 38	0 43	8 49	0 55	23 19	0 18	20 26	0 38	7 41	0 34	13 42	0 30	22 25	0 18	10 36	10 19	18 35	8 39	0 18
T 12	13 37	1n57	3 26	18 36	2 3	19 21	0 45	8 31	0 55	23 19	0 18	20 27	0 38	7 41	0 34	13 41	0 30	22 25	0 18	10 35	10 20	18 35	8 40	0 18
F 13	13 17	6 3	4 15	18 7	2 5	19 4	0 47	8 13	0 54	23 20	0 18	20 28	0 38	7 42	0 34	13 41	0 30	22 25	0 18	10 35	10 21	18 34	8 41	0 18
S 14	12 57	9 55	4 51	17 37	2 6	18 47	0 49	7 54	0 54	23 20	0 18	20 29	0 38	7 43	0 34	13 40	0 30	22 25	0 18	10 35	10 22	18 34	8 42	0 17
S 15	12 36	13 23	5 13	17 5	2 6	18 28	0 51	7 36	0 53	23 21	0 18	20 30	0 38	7 44	0 34	13 39	0 30	22 26	0 18	10 35	10 24	18 34	8 43	0 17
M 16	12 16	16 12	5 17	16 32	2 6	18 10	0 53	7 17	0 53	23 21	0 18	20 31	0 38	7 45	0 34	13 38	0 30	22 26	0 18	10 35	10 25	18 33	8 44	0 17
T 17	11 55	18 7	5 2	15 57	2 6	17 50	0 55	6 59	0 52	23 21	0 18	20 32	0 38	7 46	0 34	13 38	0 30	22 26	0 18	10 35	10 26	18 33	8 44	0 17
W 18	11 34	18 55	4 28	15 21	2 5	17 31	0 57	6 40	0 52	23 22	0 19	20 33	0 38	7 47	0 34	13 37	0 30	22 26	0 18	10 35	10 27	18 33	8 45	0 17
T 19	11 12	18 28	3 37	14 44	2 4	17 10	0 59	6 21	0 51	23 22	0 19	20 34	0 38	7 48	0 34	13 36	0 30	22 26	0 18	10 35	10 28	18 32	8 46	0 17
F 20	10 51	16 44	2 30	14 5	2 2	16 50	1 1	6 3	0 51	23 22	0 19	20 35	0 38	7 49	0 34	13 35	0 30	22 26	0 18	10 35	10 29	18 32	8 47	0 17
S 21	10 29	13 52	1 12	13 24	2 0	16 28	1 2	5 44	0 50	23 22	0 19	20 36	0 38	7 50	0 34	13 35	0 30	22 27	0 18	10 35	10 30	18 32	8 48	0 17
S 22	10 7	10 7	0n 9	12 42	1 57	16 7	1 4	5 25	0 50	23 23	0 19	20 37	0 38	7 51	0 34	13 34	0 30	22 27	0 18	10 35	10 32	18 32	8 49	0 17
M 23	9 45	5 47	1 29	11 59	1 54	15 45	1 6	5 6	0 49	23 23	0 19	20 38	0 38	7 52	0 34	13 33	0 30	22 27	0 18	10 35	10 33	18 31	8 50	0 17
T 24	9 23	1 14	2 42	11 14																				

SWISS EPHEMERIS for the year 1682

MARCH 1682 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	10 36 30	10 ^h 50'16	8 ^h 27'30	14 ^h 59'59	27 ^h 28'54	23 ^h 42'42	10°R15	0°R30	21 ^h 44	25 ^h 37	13°R57	2°D30	2 ^h 20	20 ^h 48	22 ^h 17
M 2	10 40 26	11°50'18	20°35	16°55	29° 9	24°28	10 ^h 15	0 ^h 27	21°46	25°40	13°56	2 ^h 31	2°17	20°55	22°20
T 3	10 44 23	12°50'19	2 ^h 31	18°52	0 ^h 23	25°15	10°14	0°24	21°49	25°42	13°56	2°31	2°14	21° 2	22°23
W 4	10 48 19	13°50'18	14°21	20°49	1°38	26° 1	10°13	0°21	21°52	25°44	13°55	2°32	2°10	21° 8	22°26
T 5	10 52 16	14°50'16	26°10	22°46	2°53	26°48	10°13	0°18	21°55	25°46	13°55	2°33	2° 7	21°15	22°29
F 6	10 56 13	15°50'11	8 ^h 2	24°43	4° 7	27°34	10°D13	0°15	21°58	25°48	13°54	2°35	2° 4	21°22	22°32
S 7	11 0 9	16°50'05	20° 0	26°39	5°22	28°21	10°13	0°13	22° 1	25°50	13°54	2°35	2° 1	21°28	22°35
S 8	11 4 6	17°49'57	2 ^h 8	28°35	6°37	29° 7	10°14	0°10	22° 4	25°53	13°53	2°R36	1°58	21°35	22°39
M 9	11 8 2	18°49'48	14°28	0 ^h 30	7°51	29°53	10°14	0° 8	22° 7	25°55	13°53	2°35	1°55	21°42	22°42
T 10	11 11 59	19°49'36	27° 0	2°23	9° 6	0 ^h 40	10°15	0° 5	22°10	25°57	13°53	2°34	1°51	21°48	22°45
W 11	11 15 55	20°49'22	9 ^h 46	4°14	10°21	1°26	10°16	0° 3	22°13	25°59	13°52	2°32	1°48	21°55	22°49
T 12	11 19 52	21°49'06	22°46	6° 2	11°35	2°12	10°17	0° 1	22°16	26° 1	13°52	2°29	1°45	22° 2	22°52
F 13	11 23 48	22°48'48	6 ^h 0	7°48	12°50	2°58	10°18	29°59	22°19	26° 3	13°51	2°26	1°42	22° 8	22°55
S 14	11 27 45	23°48'27	19°26	9°31	14° 5	3°45	10°20	29°57	22°22	26° 5	13°51	2°23	1°39	22°15	22°59
S 15	11 31 41	24°48'05	3 ^h 6	11°10	15°19	4°31	10°21	29°55	22°25	26° 7	13°51	2°21	1°36	22°22	23° 2
M 16	11 35 38	25°47'40	16°57	12°45	16°34	5°17	10°23	29°54	22°28	26° 9	13°50	2°20	1°32	22°29	23° 6
T 17	11 39 35	26°47'13	1 ^h 0	14°15	17°48	6° 3	10°25	29°52	22°31	26°11	13°50	2°D20	1°29	22°35	23° 9
W 18	11 43 31	27°46'44	15°12	15°40	19° 3	6°49	10°27	29°51	22°35	26°13	13°50	2°20	1°26	22°42	23°13
T 19	11 47 28	28°46'12	29°33	17° 0	20°17	7°35	10°30	29°49	22°38	26°15	13°50	2°22	1°23	22°49	23°16
F 20	11 51 24	29°45'37	13 ^h 58	18°13	21°32	8°21	10°32	29°48	22°41	26°17	13°50	2°23	1°20	22°55	23°20
S 21	11 55 21	0 ^h 45'01	28°25	19°21	22°47	9° 6	10°35	29°47	22°44	26°19	13°49	2°R24	1°16	23° 2	23°23
S 22	11 59 17	1°44'22	12 ^h 49	20°22	24° 1	9°52	10°38	29°46	22°48	26°21	13°49	2°24	1°13	23° 9	23°27
M 23	12 3 14	2°43'41	2 ^h 4	21°16	25°16	10°38	10°41	29°45	22°51	26°23	13°49	2°22	1°10	23°15	23°31
T 24	12 7 10	3°42'58	11 ^h 6	22° 4	26°30	11°24	10°45	29°44	22°54	26°25	13°49	2°19	1° 7	23°22	23°34
W 25	12 11 7	4°42'13	24°52	22°44	27°44	12° 9	10°48	29°43	22°57	26°27	13°49	2°14	1° 4	23°29	23°38
T 26	12 15 4	5°41'26	8 ^h 16	23°17	28°59	12°55	10°52	29°42	23° 1	26°29	13°49	2° 9	1° 1	23°35	23°42
F 27	12 19 0	6°40'37	21°19	23°43	0 ^h 13	13°41	10°56	29°42	23° 4	26°31	13°D49	2° 3	0°57	23°42	23°45
S 28	12 22 57	7°39'46	4 ^h 2	24° 2	1°28	14°26	11° 0	29°42	23° 7	26°33	13°49	1°58	0°54	23°49	23°49
S 29	12 26 53	8°38'54	16°25	24°13	2°42	15°12	11° 4	29°41	23°11	26°34	13°49	1°54	0°51	23°55	23°53
M 30	12 30 50	9°37'59	28°33	24°R17	3°57	15°57	11° 8	29°41	23°14	26°36	13°49	1°52	0°48	24° 2	23°56
T 31	12 34 46	10°37'03	10 ^h 30	24°Y14	5°Y11	16°Y42	11 ^h 53	29°D41	23°Y18	26°38	13°549	1°D51	0 ^h 45	24° 9	24°Y 0

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	7s31	16s33	5n16	7s12	1s22	13s23	1s14	3s13	0s46	23n24	0n19	20n42	0n39	7n58	0s34	13s29	0s30	22n28	0s17	10n36	10n40	18s29	8n56	0n16
M 2	7 8 18 7	5 2	6 20	1 15	12 58	1 15	2 54	0 46	23 24	0 19	20 43	0 39	7 59	0 34	13 28	0 30	22 28	0 17	10 36	10 41	18 29	8 57	0 16	
T 3	6 45 18 52	4 35	5 27	1 7	12 33	1 17	2 35	0 45	23 24	0 19	20 44	0 39	8 0	0 34	13 27	0 30	22 28	0 17	10 36	10 42	18 29	8 58	0 16	
W 4	6 22 18 47	3 57	4 33	0 59	12 7	1 18	2 16	0 45	23 24	0 20	20 44	0 39	8 1	0 33	13 26	0 30	22 28	0 17	10 35	10 43	18 28	8 59	0 16	
T 5	5 59 17 52	3 9	3 38	0 50	11 41	1 19	1 57	0 44	23 25	0 20	20 45	0 39	8 2	0 33	13 26	0 30	22 28	0 17	10 35	10 44	18 28	9 0	0 16	
F 6	5 36 16 10	2 12	2 43	0 40	11 15	1 20	1 38	0 44	23 25	0 20	20 46	0 39	8 3	0 33	13 25	0 30	22 28	0 17	10 34	10 45	18 28	9 2	0 16	
S 7	5 12 13 44	1 9	1 48	0 30	10 49	1 21	1 19	0 43	23 25	0 20	20 46	0 39	8 4	0 33	13 24	0 30	22 28	0 17	10 34	10 46	18 27	9 3	0 16	
S 8	4 49 10 41	0 3	0 52	0 20	10 22	1 22	1 0	0 42	23 25	0 20	20 47	0 39	8 5	0 33	13 23	0 30	22 29	0 17	10 34	10 48	18 27	9 4	0 16	
M 9	4 26 7 8	1s 5	0n 4	0 9	9 55	1 22	0 41	0 42	23 25	0 20	20 48	0 39	8 7	0 33	13 23	0 30	22 29	0 17	10 34	10 49	18 26	9 5	0 15	
T 10	4 2 3 12	2 11	0 59	0n 3	9 27	1 23	0 22	0 41	23 25	0 20	20 48	0 39	8 8	0 33	13 22	0 30	22 29	0 17	10 35	10 50	18 26	9 6	0 15	
W 11	3 39 0n57	3 11	1 55	0 15	9 0	1 24	0 3	0 41	23 25	0 20	20 49	0 39	8 9	0 33	13 21	0 30	22 29	0 17	10 35	10 51	18 26	9 7	0 15	
T 12	3 15 5 7	4 3	2 49	0 27	8 32	1 24	0n16	0 40	23 25	0 20	20 49	0 39	8 10	0 33	13 21	0 31	22 29	0 16	10 36	10 52	18 25	9 8	0 15	
F 13	2 51 9 6	4 42	3 42	0 39	8 4	1 25	0 35	0 40	23 25	0 20	20 50	0 39	8 11	0 33	13 20	0 31	22 29	0 16	10 37	10 53	18 25	9 10	0 15	
S 14	2 28 12 41	5 7	4 35	0 52	7 35	1 25	0 54	0 39	23 25	0 20	20 50	0 39	8 12	0 33	13 19	0 31	22 29	0 16	10 38	10 54	18 25	9 11	0 15	
S 15	2 4 15 40	5 15	5 25	1 5	7 7	1 26	1 12	0 38	23 25	0 20	20 50	0 39	8 14	0 33	13 19	0 31	22 29	0 16	10 39	10 56	18 24	9 12	0 15	
M 16	1 40 17 47	5 5	6 14	1 17	6 38	1 26	1 31	0 38	23 24	0 20	20 51	0 39	8 15	0 33	13 18	0 31	22 29	0 16	10 40	10 57	18 24	9 13	0 15	
T 17	1 17 18 52	4 37	7 1	1 30	6 9	1 26	1 50	0 37	23 24	0 20	20 51	0 39	8 16	0 33	13 17	0 31	22 29	0 16	10 40	10 58	18 23	9 14	0 15	
W 18	0 53 18 47	3 51	7 45	1 42	5 40	1 27	2 9	0 37	23 24	0 20	20 52	0 39	8 17	0 33	13 17	0 31	22 30	0 16	10 39	10 59	18 23	9 16	0 15	
T 19	0 29 17 30	2 51	8 27	1 55	5 11	1 27	2 28	0 36	23 24	0 20	20 52	0 39	8 18	0 33	13 16	0 31	22 30	0 16	10 39	11 0	18 23	9 17	0 15	
F 20	0 6 15 4	1 40	9 6	2 6	4 42	1 27	2 46	0 36	23 24	0 20	20 52	0 39	8 20	0 33	13 15	0 31	22 30	0 16	10 38	11 1	18 22	9 18	0 14	
S 21	0n18	11 42	0 22	9 42	2 17	4 12	1 27	3 5	0 35	23 24	0 20	20 52	0 40	8 21	0 33	13 15	0 31	22 30	0 16	10 38	11 2	18 22	9 19	0 14
S 22	0 42 7 38	0n57	10 15	2 28	3 43	1 27	3 23	0 34	23 24	0 21	20 53	0 40	8 22	0 33	13 14	0 31	22 30	0 16	10 38	11 3	18 21	9 21	0 14	
M 23	1 5 3 10	2 11	10 45	2 38	3 13	1 27	3 42	0 34	23 23	0 21	20 53	0 40	8 23	0 33	13 13	0 31	22 30	0 16	10 39	11 5	18 21	9 22	0 14	
T 24	1 29 1s24	3 16	11 11	2 46	2 43	1 27	4 0	0 33	23 23	0 21	20 53	0 40	8 24	0 33	13 13	0 31	22 30	0 16	10 40	11 6	18 21	9 23	0 14	
W 25	1 52 5 47	4 8	11 33	2 54	2 13	1 26	4 19	0 33	23 23	0 21	20 53	0 40	8 26	0 33	13 12	0 31	22 30	0 16	10 42	11 7	18 20	9 24	0 14	
T 26	2 16 9 47	4 45	11 52	3 1	1 43	1 26	4 37	0 32	23 23	0 21	20 54	0 40	8 27	0 33	13 11	0 31	22 30	0 15	10 44	11 8	18 20	9 26	0 14	
F 27	2 39 13 11	5 6	12 7	3 7	1 13	1 26	4 55	0 31	23 22	0 21	20 54	0 40	8 28	0 33	13 11	0 31	22 30	0 15	10 46	11 9	18 19	9 27	0 14	
S 28	3 3 15 53	5 11	12 18	3 12	0 43	1 25	5 14	0 31	23 22	0 21	20 54	0 40	8 29	0 33	13 10	0 31	22 30	0 15	10 48	11 10	18			

SWISS EPHEMERIS for the year 1682

APRIL 1682 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	12 38 43	11°36'05	22°21	24°R 5	6°V25	17°V28	11°28	29°24	23°V21	26°240	13°249	1°M52	0°M42	24°215	24°V 4	
T 2	12 42 39	12°35'06	4°21	23°V49	7°40	18°13	11°22	29°41	23°24	26°42	13°49	1°53	0°38	24°22	24° 8	
F 3	12 46 36	13°34'04	16° 4	23°28	8°54	18°58	11°28	29°41	23°28	26°43	13°50	1°55	0°35	24°29	24°11	
S 4	12 50 33	14°33'01	28° 6	23° 1	10° 8	19°43	11°33	29°42	23°31	26°45	13°50	1°R56	0°32	24°35	24°15	
S 5	12 54 29	15°31'56	10°H21	22°29	11°23	20°29	11°38	29°42	23°35	26°47	13°50	1°55	0°29	24°42	24°19	
M 6	12 58 26	16°30'48	22°52	21°53	12°37	21°14	11°44	29°43	23°38	26°48	13°50	1°53	0°26	24°49	24°23	
T 7	13 2 22	17°29'39	5°V41	21°14	13°51	21°59	11°49	29°43	23°41	26°50	13°50	1°49	0°22	24°55	24°26	
W 8	13 6 19	18°28'28	18°48	20°32	15° 6	22°44	11°55	29°44	23°45	26°51	13°51	1°43	0°19	25° 2	24°30	
T 9	13 10 15	19°27'15	2°B12	19°49	16°20	23°29	12° 1	29°45	23°48	26°53	13°51	1°35	0°16	25° 9	24°34	
F 10	13 14 12	20°26'01	15°52	19° 5	17°34	24°14	12° 7	29°46	23°52	26°55	13°51	1°27	0°13	25°15	24°38	
S 11	13 18 8	21°24'43	29°44	18°20	18°48	24°59	12°14	29°47	23°55	26°56	13°52	1°19	0°10	25°22	24°42	
S 12	13 22 5	22°23'24	13°II44	17°37	20° 3	25°43	12°20	29°48	23°59	26°58	13°52	1°12	0° 7	25°29	24°46	
M13	13 26 2	23°22'03	27°51	16°55	21°17	26°28	12°27	29°50	24° 2	26°59	13°52	1° 7	0° 3	25°35	24°49	
T 14	13 29 58	24°20'40	11°259	16°15	22°31	27°13	12°33	29°51	24° 6	27° 0	13°53	1° 5	0° 0	25°42	24°53	
W15	13 33 55	25°19'14	26° 8	15°38	23°45	27°58	12°40	29°53	24° 9	27° 2	13°53	1°D 4	29°Ω57	25°49	24°57	
T 16	13 37 51	26°17'46	10°Ω16	15° 5	24°59	28°42	12°47	29°54	24°12	27° 3	13°54	1° 5	29°54	25°55	25° 1	
F 17	13 41 48	27°16'15	24°22	14°35	26°14	29°27	12°54	29°56	24°16	27° 5	13°54	1°R 6	29°51	26° 2	25° 5	
S 18	13 45 44	28°14'43	8°M24	14°10	27°28	0°B11	13° 2	29°58	24°19	27° 6	13°55	1° 5	29°47	26° 9	25° 8	
S 19	13 49 41	29°13'08	22°20	13°49	28°42	0°56	13° 9	29°59	24°23	27° 7	13°55	1° 4	29°44	26°15	25°12	
M20	13 53 37	0°B11'31	6°A 9	13°33	29°56	1°40	13°17	0°Ω 2	24°26	27° 9	13°56	0°59	29°41	26°22	25°16	
T 21	13 57 34	1° 9'52	19°49	13°22	1°B10	2°25	13°24	0° 4	24°30	27°10	13°56	0°52	29°38	26°29	25°20	
W22	14 1 30	2° 8'12	3°M15	13°16	2°24	3° 9	13°32	0° 7	24°33	27°11	13°57	0°43	29°35	26°35	25°24	
T 23	14 5 27	3° 6'29	16°26	13°D15	3°38	3°53	13°40	0° 9	24°36	27°12	13°58	0°33	29°32	26°42	25°27	
F 24	14 9 24	4° 4'45	29°20	13°18	4°52	4°37	13°48	0°11	24°40	27°13	13°58	0°22	29°28	26°49	25°31	
S 25	14 13 20	5° 2'59	11°A57	13°27	6° 6	5°22	13°56	0°14	24°43	27°14	13°59	0°11	29°25	26°55	25°35	
S 26	14 17 17	6° 1'12	24°18	13°40	7°20	6° 6	14° 5	0°17	24°47	27°16	14° 0	0° 3	29°22	27° 2	25°39	
M27	14 21 13	6°59'23	6°B25	13°58	8°34	6°50	14°13	0°19	24°50	27°17	14° 0	29°Ω56	29°19	27° 9	25°43	
T 28	14 25 10	7°57'33	18°22	14°20	9°48	7°34	14°22	0°22	24°53	27°18	14° 1	29°52	29°16	27°15	25°46	
W29	14 29 6	8°55'41	0°A12	14°47	11° 2	8°18	14°30	0°25	24°57	27°19	14° 2	29°50	29°13	27°22	25°50	
T 30	14 33 3	9°53'47	12°A 2	15°V18	12°B16	9°B 2	14°39	0°Ω28	25°V 0	27°20	14°3 3	29°D50	29°Ω 9	27°B29	25°V54	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	4n36	18s21	3n19	12n24	3n16	1n17	1s23	6n26	0s28	23n21	0n21	20n54	0n40	8n34	0s33	13s 8
T 2	4 59	16 54	2 25	12 15	3 14	1 47	1 22	6 44	0 28	23 20	0 21	20 54	0 40	8 36	0 33	13 7
F 3	5 22	14 41	1 25	12 3	3 9	2 17	1 21	7 2	0 27	23 20	0 21	20 54	0 40	8 37	0 33	13 7
S 4	5 45	11 50	0 21	11 48	3 3	2 47	1 21	7 19	0 26	23 20	0 21	20 54	0 40	8 38	0 33	13 6
S 5	6 7	8 24	0s46	11 29	2 56	3 17	1 20	7 37	0 26	23 19	0 21	20 54	0 40	8 40	0 33	13 6
M 6	6 30	4 32	1 51	11 7	2 47	3 47	1 19	7 54	0 25	23 19	0 21	20 54	0 40	8 41	0 33	13 5
T 7	6 53	0 23	2 52	10 43	2 37	4 17	1 18	8 12	0 25	23 18	0 21	20 54	0 40	8 42	0 33	13 5
W 8	7 15	3n54	3 46	10 16	2 25	4 47	1 17	8 29	0 24	23 18	0 21	20 53	0 40	8 43	0 33	13 4
T 9	7 38	8 4	4 28	9 48	2 12	5 16	1 15	8 46	0 23	23 17	0 21	20 53	0 40	8 45	0 33	13 4
F 10	8 0	11 53	4 56	9 18	1 58	5 46	1 14	9 4	0 23	23 17	0 21	20 53	0 40	8 46	0 33	13 3
S 11	8 22	15 8	5 7	8 47	1 43	6 15	1 13	9 21	0 22	23 16	0 21	20 53	0 40	8 47	0 33	13 3
S 12	8 44	17 32	5 0	8 16	1 27	6 44	1 12	9 38	0 21	23 16	0 22	20 53	0 40	8 48	0 33	13 2
M13	9 6	18 53	4 35	7 45	1 11	7 14	1 10	9 54	0 21	23 15	0 22	20 52	0 40	8 50	0 33	13 2
T 14	9 27	19 5	3 53	7 14	0 55	7 43	1 9	10 11	0 20	23 15	0 22	20 52	0 40	8 51	0 33	13 1
W15	9 49	18 4	2 56	6 45	0 38	8 11	1 7	10 28	0 19	23 14	0 22	20 52	0 40	8 52	0 33	13 1
T 16	10 10	15 56	1 49	6 16	0 21	8 40	1 6	10 44	0 19	23 13	0 22	20 51	0 40	8 54	0 33	13 0
F 17	10 31	12 51	0 36	5 50	0 4	9 8	1 4	11 1	0 18	23 13	0 22	20 51	0 40	8 55	0 33	13 0
S 18	10 52	9 2	0n39	5 25	0s12	9 37	1 3	11 17	0 18	23 12	0 22	20 51	0 40	8 56	0 33	12 59
S 19	11 13	4 45	1 51	5 2	0 28	10 5	1 1	11 33	0 17	23 11	0 22	20 50	0 40	8 57	0 33	12 59
M20	11 33	0 15	2 56	4 41	0 44	10 32	0 59	11 49	0 16	23 11	0 22	20 50	0 40	8 59	0 33	12 58
T 21	11 54	4s13	3 50	4 23	0 58	11 0	0 58	12 5	0 16	23 10	0 22	20 49	0 40	9 0	0 33	12 58
W22	12 14	8 23	4 30	4 8	1 13	11 27	0 56	12 21	0 15	23 9	0 22	20 49	0 40	9 1	0 33	12 58
T 23	12 34	12 4	4 55	3 55	1 26	11 54	0 54	12 37	0 14	23 8	0 22	20 49	0 40	9 2	0 33	12 57
F 24	12 54	15 6	5 3	3 45	1 39	12 21	0 52	12 52	0 14	23 8	0 22	20 48	0 40	9 4	0 33	12 57
S 25	13 14	17 21	4 57	3 37	1 51	12 47	0 50	13 7	0 13	23 7	0 22	20 47	0 40	9 5	0 33	12 57
S 26	13 33	18 44	4 37	3 32	2 2	13 13	0 48	13 23	0 12	23 6	0 22	20 47	0 40	9 6	0 33	12 56
M27	13 52	19 15	4 5	3 29	2 12	13 39	0 46	13 38	0 12	23 6	0 22	20 46	0 40	9 7	0 33	12 56
T 28	14 11	18 53	3 22	3 29	2 22	14 4	0 44	13 53	0 11	23 4	0 22	20 46	0 40	9 9	0 33	12 56
W29	14 30	17 41	2 31	3 31	2 30	14 30	0 42	14 8	0 11	23 3	0 22	20 45	0 40	9 10	0 33	12 55
T 30	14n48	15s43	1n33	3n36	2s38	14n54	0s40	14n22	0s10	23n 2	0n22	20n44	0n40	9n11	0s33	12s55

Julian Day Number = 2335488.5, Delta T = 12.63 sec
 Ecliptic obliquity = 23°28'43, Nutation = - 0°00'09
 Ayanamsha: Fagan/Bradley = 20°18'18, Lahiri = 19°25'18Greg. Calendar

SWISS EPHEMERIS for the year 1682

MAY 1682 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	14 36 59	10♈51'52	23♋56	15♃53	13♂30	9♄45	14♁48	0♁31	25♃4	27♋21	14♁3	29°R50	29♁6	27♂35	25♃58
S 2	14 40 56	11°49'56	5♋59	16°32	14°44	10°29	14°57	0°35	25°7	27°22	14°4	29♁50	29°3	27°42	26°1
S 3	14 44 53	12°47'58	18°18	17°14	15°58	11°13	15°6	0°38	25°10	27°22	14°5	29°49	29°0	27°49	26°5
M 4	14 48 49	13°45'59	0♃55	18°1	17°12	11°57	15°16	0°41	25°13	27°23	14°6	29°45	28°57	27°55	26°9
T 5	14 52 46	14°43'59	13°55	18°50	18°26	12°40	15°25	0°45	25°17	27°24	14°7	29°39	28°53	28°2	26°12
W 6	14 56 42	15°41'57	27°17	19°43	19°40	13°24	15°34	0°49	25°20	27°25	14°8	29°30	28°50	28°9	26°16
T 7	15 0 39	16°39'53	11♁3	20°40	20°54	14°7	15°44	0°52	25°23	27°26	14°9	29°20	28°47	28°15	26°20
F 8	15 4 35	17°37'49	25°7	21°39	22°8	14°51	15°54	0°56	25°27	27°26	14°10	29°8	28°44	28°22	26°23
S 9	15 8 32	18°35'42	9♁26	22°41	23°21	15°34	16°3	1°0	25°30	27°27	14°11	28°57	28°41	28°29	26°27
S 10	15 12 28	19°33'34	23°53	23°47	24°35	16°18	16°13	1°4	25°33	27°28	14°12	28°47	28°38	28°35	26°31
M 11	15 16 25	20°31'25	8♁22	24°55	25°49	17°1	16°23	1°8	25°36	27°29	14°13	28°40	28°34	28°42	26°34
T 12	15 20 22	21°29'13	22°47	26°6	27°3	17°44	16°33	1°12	25°39	27°29	14°14	28°35	28°31	28°49	26°38
W 13	15 24 18	22°27'00	7♁5	27°19	28°17	18°28	16°43	1°17	25°43	27°30	14°15	28°33	28°28	28°55	26°41
T 14	15 28 15	23°24'46	21°13	28°35	29°31	19°11	16°54	1°21	25°46	27°30	14°16	28°32	28°25	29°2	26°45
F 15	15 32 11	24°22'29	5♁11	29°54	0♁44	19°54	17°4	1°25	25°49	27°31	14°17	28°32	28°22	29°9	26°48
S 16	15 36 8	25°20'11	18°58	1♁15	1°58	20°37	17°14	1°30	25°52	27°31	14°18	28°32	28°19	29°15	26°52
S 17	15 40 4	26°17'51	2♁34	2°39	3°12	21°20	17°25	1°34	25°55	27°32	14°19	28°29	28°15	29°22	26°55
M 18	15 44 1	27°15'30	16°0	4°5	4°26	22°3	17°36	1°39	25°58	27°32	14°20	28°23	28°12	29°29	26°59
T 19	15 47 57	28°13'07	29°16	5°33	5°39	22°46	17°46	1°44	26°1	27°32	14°21	28°15	28°9	29°35	27°2
W 20	15 51 54	29°10'43	12♁19	7°4	6°53	23°29	17°57	1°49	26°4	27°33	14°22	28°4	28°6	29°42	27°5
T 21	15 55 51	0♁8'18	25°11	8°38	8°7	24°11	18°8	1°53	26°7	27°33	14°24	27°51	28°3	29°49	27°9
F 22	15 59 47	1°5'51	7♁50	10°13	9°21	24°54	18°19	1°58	26°10	27°33	14°25	27°38	27°59	29°55	27°12
S 23	16 3 44	2°3'23	20°16	11°51	10°34	25°37	18°30	2°3	26°13	27°34	14°26	27°26	27°56	0♁2	27°15
S 24	16 7 40	3°0'55	2♁29	13°32	11°48	26°20	18°41	2°9	26°16	27°34	14°27	27°15	27°53	0°9	27°19
M 25	16 11 37	3°58'25	14°31	15°15	13°2	27°2	18°52	2°14	26°19	27°34	14°28	27°6	27°50	0°15	27°22
T 26	16 15 33	4°55'54	26°25	17°0	14°15	27°45	19°3	2°19	26°22	27°34	14°30	27°1	27°47	0°22	27°25
W 27	16 19 30	5°53'23	8♁14	18°47	15°29	28°27	19°15	2°24	26°25	27°34	14°31	26°57	27°44	0°29	27°28
T 28	16 23 26	6°50'50	20°2	20°37	16°43	29°10	19°26	2°30	26°28	27°34	14°32	26°56	27°40	0°35	27°32
F 29	16 27 23	7°48'17	1♁55	22°29	17°56	29°52	19°37	2°35	26°30	27°34	14°34	26°56	27°37	0°42	27°35
S 30	16 31 20	8°45'44	13°58	24°24	19°10	0♁34	19°49	2°41	26°33	27°R35	14°35	26°56	27°34	0°49	27°38
S 31	16 35 16	9♁43'09	26♁16	26♁20	20♁23	1♁17	20♁0	2♁46	26♁36	27♁35	14♁36	26♁55	27♁31	0♁55	27♁41

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁		
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	15n 7	13s 4	0n31	3n43	2s45	15n19	0s38	14n37	0s 9	23n 2	0n22	20n44	0n40	9n12	0s33	12s55	0s32	22n31	0s13	11n33	11n48	18s 2	10n13
S 2	15 25	9 50	0s33	3 53	2 51	15 43	0 36	14 51	0 9	23 1	0 22	20 43	0 40	9 14	0 33	12 54	0 32	22 31	0 13	11 33	11 49	18 2	10 14
S 3	15 42	6 7	1 37	4 4	2 56	16 6	0 34	15 6	0 8	23 0	0 22	20 42	0 41	9 15	0 33	12 54	0 32	22 31	0 13	11 33	11 51	18 1	10 16
M 4	16 0	2 2	2 37	4 17	3 11	16 29	0 32	15 20	0 7	22 59	0 22	20 42	0 41	9 16	0 33	12 54	0 32	22 31	0 13	11 35	11 52	18 0	10 17
T 5	16 17	2n15	3 31	4 33	3 5	16 52	0 29	15 34	0 7	22 58	0 23	20 41	0 41	9 17	0 33	12 53	0 32	22 31	0 13	11 37	11 53	18 0	10 18
W 6	16 34	6 33	4 15	4 50	3 8	17 15	0 27	15 47	0 6	22 56	0 23	20 40	0 41	9 18	0 33	12 53	0 32	22 31	0 13	11 40	11 54	17 59	10 19
T 7	16 51	10 38	4 46	5 9	3 10	17 36	0 25	16 1	0 5	22 55	0 23	20 39	0 41	9 20	0 33	12 53	0 32	22 31	0 13	11 44	11 55	17 59	10 21
F 8	17 7	14 13	5 0	5 30	3 11	17 58	0 23	16 15	0 5	22 54	0 23	20 39	0 41	9 21	0 33	12 53	0 32	22 31	0 13	11 48	11 56	17 58	10 22
S 9	17 23	17 1	4 56	5 52	3 12	18 19	0 20	16 28	0 4	22 53	0 23	20 38	0 41	9 22	0 33	12 53	0 32	22 31	0 13	11 52	11 57	17 58	10 23
S 10	17 39	18 47	4 33	6 16	3 12	18 39	0 18	16 41	0 4	22 52	0 23	20 37	0 41	9 23	0 33	12 52	0 32	22 31	0 12	11 55	11 58	17 57	10 24
M 11	17 55	19 21	3 52	6 41	3 12	18 59	0 16	16 54	0 3	22 51	0 23	20 36	0 41	9 24	0 33	12 52	0 32	22 31	0 12	11 58	11 59	17 56	10 26
T 12	18 10	18 38	2 57	7 8	3 10	19 19	0 13	17 7	0 2	22 50	0 23	20 35	0 41	9 25	0 33	12 52	0 32	22 31	0 12	11 59	12 0	17 56	10 27
W 13	18 25	16 45	1 51	7 36	3 8	19 38	0 11	17 19	0 2	22 49	0 23	20 34	0 41	9 27	0 33	12 52	0 32	22 31	0 12	12 0	12 2	17 55	10 28
T 14	18 39	13 50	0 39	8 6	3 6	19 56	0 9	17 32	0 1	22 47	0 23	20 33	0 41	9 28	0 33	12 52	0 32	22 31	0 12	12 0	12 3	17 55	10 29
F 15	18 54	10 10	0n35	8 36	3 3	20 14	0 6	17 44	0 0	22 46	0 23	20 32	0 41	9 29	0 33	12 51	0 32	22 31	0 12	12 0	12 4	17 54	10 30
S 16	19 8	6 0	1 46	9 8	2 59	20 32	0 4	17 56	0n0	22 45	0 23	20 31	0 41	9 30	0 33	12 51	0 32	22 31	0 12	12 0	12 5	17 53	10 32
S 17	19 21	1 34	2 49	9 41	2 55	20 49	0 1	18 8	0 1	22 43	0 23	20 30	0 41	9 31	0 33	12 51	0 32	22 31	0 12	12 1	12 6	17 53	10 33
M 18	19 35	2s53	3 43	10 14	2 50	21 5	0n1	18 20	0 2	22 42	0 23	20 29	0 41	9 32	0 33	12 51	0 32	22 30	0 12	12 3	12 7	17 52	10 34
T 19	19 48	7 7	4 23	10 49	2 44	21 20	0 3	18 32	0 2	22 41	0 23	20 28	0 41	9 33	0 33	12 51	0 32	22 30	0 12	12 6	12 8	17 52	10 35
W 20	20 0	10 58	4 49	11 24	2 38	21 36	0 6	18 43	0 3	22 39	0 23	20 27	0 41	9 34	0 33	12 51	0 32	22 30	0 12	12 10	12 9	17 51	10 36
T 21	20 13	14 14	5 0	12 0	2 32	21 50	0 8	18 54	0 4	22 38	0 23	20 26	0 41	9 35	0 33	12 51	0 32	22 30	0 12	12 14	12 10	17 50	10 37
F 22	20 25	16 47	4 56	12 37	2 25	22 4	0 11	19 5	0 4	22 37	0 23	20 25	0 41	9 37	0 33	12 51	0 32	22 30	0 12	12 19	12 11	17 50	10 39
S 23	20 36	18 31	4 37	13 15	2 17	22 17	0 13	19 16	0 5	22 35	0 23	20 24	0 41	9 38	0 33	12 51	0 32	22 30	0 12	12 23	12 13	17 49	10 40
S 24	20 48	19 21	4 6	13 52	2 9	22 30	0 16	19 27	0 5	22 34	0 23	20 23	0 41	9 39	0 33	12 51	0 32	22 3					

SWISS EPHEMERIS for the year 1682

JUNE 1682 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	16 39 13	10II40'34	8°V55	28♁19	21II37	1II59	20♁12	2♁52	26°V39	27°R34	14♁37	26°R52	27♁28	1♁2	27°V44
T 2	16 43 9	11°37'58	21°58	0II20	22°51	2°41	20°24	2°58	26°41	27°R34	14°39	26♁47	27°24	1°9	27°47
W 3	16 47 6	12°35'22	5♁28	2°23	24°4	3°23	20°36	3°4	26°44	27°34	14°40	26°39	27°21	1°15	27°50
T 4	16 51 2	13°32'45	19°24	4°27	25°18	4°5	20°47	3°9	26°47	27°34	14°42	26°30	27°18	1°22	27°53
F 5	16 54 59	14°30'07	3II45	6°34	26°31	4°47	20°59	3°15	26°49	27°34	14°43	26°19	27°15	1°29	27°56
S 6	16 58 55	15°27'29	18°24	8°41	27°45	5°29	21°11	3°21	26°52	27°34	14°44	26°9	27°12	1°35	27°59
S 7	17 2 52	16°24'50	3♁14	10°51	28°59	6°11	21°23	3°27	26°54	27°34	14°46	26°0	27°9	1°42	28°1
M 8	17 6 49	17°22'10	18°6	13°1	0♁12	6°53	21°35	3°33	26°57	27°33	14°47	25°53	27°5	1°49	28°4
T 9	17 10 45	18°19'29	2♁53	15°12	1°26	7°35	21°47	3°40	26°59	27°33	14°49	25°49	27°2	1°55	28°7
W10	17 14 42	19°16'48	17°28	17°23	2°39	8°17	22°0	3°46	27°2	27°33	14°50	25°47	26°59	2°2	28°10
T 11	17 18 38	20°14'05	1II47	19°35	3°53	8°58	22°12	3°52	27°4	27°32	14°51	25°D47	26°56	2°9	28°12
F 12	17 22 35	21°11'22	15°48	21°47	5°6	9°40	22°24	3°58	27°6	27°32	14°53	25°R47	26°53	2°15	28°15
S 13	17 26 31	22°8'38	29°32	23°59	6°20	10°22	22°36	4°5	27°9	27°31	14°54	25°47	26°50	2°22	28°18
S 14	17 30 28	23°5'52	12♁58	26°10	7°33	11°3	22°49	4°11	27°11	27°31	14°56	25°45	26°46	2°28	28°20
M15	17 34 24	24°3'07	26°10	28°20	8°47	11°45	23°1	4°18	27°13	27°31	14°57	25°41	26°43	2°35	28°23
T 16	17 38 21	25°0'20	9II7	0♁29	10°0	12°26	23°14	4°24	27°15	27°30	14°59	25°35	26°40	2°42	28°25
W17	17 42 18	25°57'33	21°52	2°37	11°14	13°8	23°26	4°31	27°17	27°29	15°0	25°27	26°37	2°48	28°28
T 18	17 46 14	26°54'45	4♁75	4°44	12°27	13°49	23°39	4°37	27°20	27°29	15°2	25°17	26°34	2°55	28°30
F 19	17 50 11	27°51'57	16°48	6°49	13°40	14°30	23°51	4°44	27°22	27°28	15°3	25°6	26°30	3°2	28°32
S 20	17 54 7	28°49'09	29°0	8°52	14°54	15°12	24°4	4°51	27°24	27°28	15°5	24°56	26°27	3°8	28°35
S 21	17 58 4	29°46'20	11♁3	10°54	16°7	15°53	24°17	4°58	27°26	27°27	15°6	24°48	26°24	3°15	28°37
M22	18 2 0	0♁43'31	22°59	12°54	17°21	16°34	24°29	5°4	27°28	27°26	15°8	24°41	26°21	3°22	28°39
T 23	18 5 57	1°40'42	4♁49	14°52	18°34	17°15	24°42	5°11	27°30	27°26	15°9	24°37	26°18	3°28	28°41
W24	18 9 54	2°37'53	16°36	16°47	19°47	17°56	24°55	5°18	27°31	27°25	15°11	24°35	26°15	3°35	28°43
T 25	18 13 50	3°35'04	28°24	18°41	21°1	18°37	25°8	5°25	27°33	27°24	15°13	24°D34	26°11	3°42	28°45
F 26	18 17 47	4°32'15	10II18	20°33	22°14	19°18	25°20	5°32	27°35	27°23	15°14	24°35	26°8	3°48	28°48
S 27	18 21 43	5°29'26	22°20	22°23	23°27	19°59	25°33	5°39	27°37	27°22	15°16	24°36	26°5	3°55	28°49
S 28	18 25 40	6°26'37	4°V37	24°10	24°41	20°40	25°46	5°46	27°39	27°22	15°17	24°R37	26°2	4°2	28°51
M29	18 29 36	7°23'49	17°14	25°56	25°54	21°21	25°59	5°53	27°40	27°21	15°19	24°37	25°59	4°8	28°53
T 30	18 33 33	8°21'01	0♁15	27°♁39	27°♁7	22°II2	26°♁12	6°♁0	27°V42	27°R20	15°♁20	24°♁35	25°♁56	4°R15	28°V55

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	22n 5	0n25	3s23	18n59	0s51	23n47	0n34	20n46	0n10	22n21	0n24	20n13	0n41	9n47	0s33	12s51	0s33	22n30	0s11	12n35	12n22	17s43	10n49	0n9
T 2	22 13	4 43	4 9	19 35	0 41	23 54	0 37	20 55	0 11	22 19	0 24	20 12	0 41	9 48	0 33	12 51	0 33	22 29	0 11	12 36	12 24	17 43	10 50	0 9
W 3	22 21	8 56	4 42	20 11	0 30	24 0	0 39	21 3	0 12	22 18	0 24	20 11	0 41	9 49	0 33	12 51	0 33	22 29	0 11	12 39	12 25	17 42	10 51	0 9
T 4	22 28	12 48	5 0	20 16	0 19	24 5	0 41	21 12	0 12	22 16	0 24	20 9	0 41	9 49	0 33	12 51	0 33	22 29	0 11	12 42	12 26	17 41	10 52	0 9
F 5	22 35	16 2	5 0	21 19	0 8	24 9	0 43	21 20	0 13	22 14	0 24	20 8	0 41	9 50	0 33	12 51	0 33	22 29	0 11	12 46	12 27	17 41	10 53	0 9
S 6	22 41	18 19	4 40	21 50	0n 3	24 13	0 46	21 29	0 14	22 12	0 24	20 7	0 41	9 51	0 33	12 51	0 33	22 29	0 11	12 49	12 28	17 40	10 54	0 9
S 7	22 47	19 25	4 1	22 20	0 14	24 16	0 48	21 37	0 14	22 10	0 24	20 5	0 41	9 52	0 33	12 51	0 33	22 29	0 11	12 52	12 29	17 39	10 55	0 9
M 8	22 53	19 11	3 6	22 48	0 24	24 18	0 50	21 44	0 15	22 9	0 24	20 4	0 41	9 53	0 33	12 51	0 33	22 29	0 11	12 55	12 30	17 39	10 56	0 8
T 9	22 58	17 37	1 59	23 13	0 34	24 20	0 52	21 52	0 15	22 7	0 24	20 2	0 42	9 54	0 33	12 51	0 33	22 29	0 11	12 56	12 31	17 38	10 57	0 8
W10	23 3	14 55	0 44	23 36	0 44	24 21	0 54	21 59	0 16	22 5	0 24	20 1	0 42	9 55	0 33	12 52	0 33	22 29	0 10	12 57	12 32	17 37	10 58	0 8
T 11	23 7	11 21	0n32	23 57	0 53	24 21	0 56	22 6	0 17	22 3	0 24	19 59	0 42	9 56	0 33	12 52	0 33	22 29	0 10	12 57	12 33	17 36	10 59	0 8
F 12	23 11	7 13	1 45	24 15	1 2	24 21	0 58	22 13	0 17	22 1	0 24	19 58	0 42	9 56	0 33	12 52	0 33	22 29	0 10	12 57	12 34	17 36	11 0	0 8
S 13	23 15	2 47	2 50	24 31	1 10	24 19	1 0	22 20	0 18	21 59	0 24	19 57	0 42	9 57	0 33	12 52	0 33	22 28	0 10	12 57	12 35	17 35	11 1	0 8
S 14	23 18	1s41	3 44	24 43	1 18	24 17	1 2	22 27	0 19	21 57	0 25	19 55	0 42	9 58	0 33	12 52	0 33	22 28	0 10	12 57	12 37	17 34	11 1	0 8
M15	23 21	5 59	4 25	24 53	1 25	24 15	1 4	22 33	0 19	21 55	0 25	19 54	0 42	9 59	0 33	12 52	0 33	22 28	0 10	12 59	12 38	17 34	11 2	0 8
T 16	23 23	9 56	4 52	25 0	1 31	24 11	1 6	22 39	0 20	21 53	0 25	19 52	0 42	10 0	0 33	12 53	0 33	22 28	0 10	13 1	12 39	17 33	11 3	0 8
W17	23 25	13 22	5 4	25 4	1 37	24 7	1 7	22 45	0 20	21 51	0 25	19 50	0 42	10 0	0 33	12 53	0 33	22 28	0 10	13 4	12 40	17 32	11 4	0 8
T 18	23 27	16 8	5 1	25 5	1 42	24 2	1 9	22 51	0 21	21 49	0 25	19 49	0 42	10 1	0 33	12 53	0 33	22 28	0 10	13 7	12 41	17 31	11 5	0 8
F 19	23 28	18 7	4 43	25 4	1 46	23 57	1 11	22 56	0 22	21 47	0 25	19 47	0 42	10 2	0 33	12 53	0 33	22 28	0 10	13 10	12 42	17 31	11 5	0 8
S 20	23 28	19 15	4 13	25 0	1 49	23 51	1 12	23 1	0 22	21 44	0 25	19 46	0 42	10 3	0 33	12 54	0 33	22 28	0 10	13 14	12 43	17 30	11 6	0 8
S 21	23 29	19 30	3 32	24 53	1 52	23 44	1 14	23 6	0 23	21 42	0 25	19 44	0 42	10 3	0 33	12 54	0 33	22 28	0 10	13 17	12 44	17 29	11 7	0 7
M22	23 29	18 52	2 41	24 44	1 54	23 36	1 16	23 11	0 23	21 40	0 25	19 43	0 42	10 4	0 33	12 54	0 33	22 27	0 10	13 19	12 45	17 29	11 8	0 7
T 23	23 28	17 24	1 44	24 33	1 55	23 28	1 17	23 16	0 24	21 38	0 25	19 41	0 42	10 5	0 33	12 54	0 33	22 27	0 10	13 20	12 46	17 28	11 8	0 7
W24	23 27	15 12	0 43	24 20	1 55	23 19	1 19	23 20	0 25	21 36	0 25	19 39	0 42	10 5	0 33	12 55	0 33	22 27	0 10	13 21	12 47	17 27	11 9	0 7
T 25	23 26	12 22	0s21	24 5	1 55	23 9	1 20	23 25	0 25	21 33	0 25	19 38	0 42	10 6	0 33	12 55	0 33	22 27	0 10	13 21	12 48	17 26	11 10	0 7
F 26	23 24	9 1	1 24	23 47	1 54	22 59	1 21	23 29	0 26	21 31	0 25	19 36	0 42	10 7	0 33	12 55	0 33	22 27	0 9	13 21	12 50	17 26	11 10	0 7
S 27	23 22	5 15	2 24	23 28	1 53	22 48	1 23	23 32	0 26	21 29	0 25	19 34	0 42	10 7	0 33	12 55	0 33	22 27	0 9	13 20	12 51	17 25	11 11	0 7
S 28	23 19	1 13	3 19	23 8	1 51	22 36	1 24	23 36	0 27	21 27	0 25	19 33	0 42	10 8	0 34	12 56	0 33	22 27	0 9	13 20	12 52	17 24	11 12	0 7
M29	23 16	2n59	4 6	22 46	1 48	22 23	1 25	23 39	0 28	21 24	0 25	19 31	0 42	10 8	0 34	12 56	0 33	22 27	0 9					

SWISS EPHEMERIS for the year 1682

JULY 1682 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	18 37 29	9 ⁵⁸ 18'13	13 ³⁸ 43	29 ²¹ 21	28 ²¹ 21	22 ¹¹ 42	26 ²⁵ 25	6 ⁰ 8	27 ⁴³ 43	27 ¹⁹ 19	15 ²² 22	24 ⁰ R31	25 ⁰ Ω52	4 ²² 22	28 ⁵⁷ 57
T 2	18 41 26	10 ¹⁵ 25	27 ⁴⁰ 0	1 ⁰ 0	29 ³⁴ 34	23 ²³ 23	26 ³⁸ 38	6 ¹⁵ 15	27 ⁴⁵ 45	27 ¹⁸ 18	15 ²³ 23	24 ⁰ Ω25	25 ⁴⁹ 49	4 ²⁸ 28	28 ⁵⁹ 59
F 3	18 45 23	11 ¹² 38	12 ¹¹ 4	2 ³⁷ 37	0 ⁰ 47	24 ⁴ 4	26 ⁵¹ 51	6 ²² 22	27 ⁴⁶ 46	27 ¹⁷ 17	15 ²⁵ 25	24 ⁰ 19	25 ⁴⁶ 46	4 ³⁵ 35	29 ⁰ 0
S 4	18 49 19	12 ⁰ 9'51	26 ⁵⁰ 0	4 ¹² 12	2 ⁰ 0	24 ⁴⁴ 44	27 ⁰ 4	6 ²⁹ 29	27 ⁴⁸ 48	27 ¹⁶ 16	15 ²⁷ 27	24 ⁰ 12	25 ⁴³ 43	4 ⁴² 42	29 ² 2
S 5	18 53 16	13 ⁰ 7'05	11 ⁵² 52	5 ⁴⁵ 45	3 ¹⁴ 14	25 ²⁵ 25	27 ¹⁷ 17	6 ³⁶ 36	27 ⁴⁹ 49	27 ¹⁵ 15	15 ²⁸ 28	24 ⁰ 7	25 ⁴⁰ 40	4 ⁴⁸ 48	29 ⁴ 4
M 6	18 57 12	14 ⁰ 4'18	27 ⁰ 0	7 ¹⁶ 16	4 ²⁷ 27	26 ⁶ 6	27 ³⁰ 30	6 ⁴⁴ 44	27 ⁵¹ 51	27 ¹⁴ 14	15 ³⁰ 30	24 ⁰ 3	25 ³⁶ 36	4 ⁵⁵ 55	29 ⁵ 5
T 7	19 1 9	15 ⁰ 1'32	12 ⁰ Ω 5	8 ⁴⁵ 45	5 ⁴⁰ 40	26 ⁴⁶ 46	27 ⁴³ 43	6 ⁵¹ 51	27 ⁵² 52	27 ¹³ 13	15 ³¹ 31	24 ⁰ 1	25 ³³ 33	5 ² 2	29 ⁷ 7
W 8	19 5 5	15 ⁵⁸ 46	26 ⁵⁸ 58	10 ¹¹ 11	6 ⁵³ 53	27 ²⁶ 26	27 ⁵⁷ 57	6 ⁵⁹ 59	27 ⁵³ 53	27 ¹¹ 11	15 ³³ 33	24 ⁰ D 0	25 ³⁰ 30	5 ⁸ 8	29 ⁸ 8
T 9	19 9 2	16 ⁵⁶ 00	11 ³³ 33	11 ³⁶ 36	8 ⁷ 7	28 ⁰ 7	28 ¹⁰ 10	7 ⁶ 6	27 ⁵⁵ 55	27 ¹⁰ 10	15 ³⁴ 34	24 ⁰ 1	25 ²⁷ 27	5 ¹⁵ 15	29 ¹⁰ 10
F 10	19 12 58	17 ⁵³ 14	25 ⁴⁵ 45	12 ⁵⁸ 58	9 ²⁰ 20	28 ⁴⁷ 47	28 ²³ 23	7 ¹³ 13	27 ⁵⁶ 56	27 ⁹ 9	15 ³⁶ 36	24 ⁰ 2	25 ²⁴ 24	5 ²² 22	29 ¹¹ 11
S 11	19 16 55	18 ⁵⁰ 28	9 ² 35	14 ¹⁸ 18	10 ³³ 33	29 ²⁷ 27	28 ³⁶ 36	7 ²¹ 21	27 ⁵⁷ 57	27 ⁸ 8	15 ³⁸ 38	24 ⁰ 4	25 ²¹ 21	5 ²⁸ 28	29 ¹² 12
S 12	19 20 52	19 ⁴⁷ 42	23 ² 2	15 ³⁵ 35	11 ⁴⁶ 46	0 ² 8	28 ⁴⁹ 49	7 ²⁸ 28	27 ⁵⁸ 58	27 ⁷ 7	15 ³⁹ 39	24 ⁰ R 4	25 ¹⁷ 17	5 ³⁵ 35	29 ¹³ 13
M13	19 24 48	20 ⁴⁴ 56	6 ¹¹ 8	16 ⁵¹ 51	12 ⁵⁹ 59	0 ⁴⁸ 48	29 ³ 3	7 ³⁶ 36	27 ⁵⁹ 59	27 ⁶ 6	15 ⁴¹ 41	24 ⁰ 3	25 ¹⁴ 14	5 ⁴² 42	29 ¹⁵ 15
T 14	19 28 45	21 ⁴² 10	18 ⁰ 4	14 ¹² 12	1 ²⁸ 28	29 ¹⁶ 16	7 ⁴³ 43	28 ⁰ 4	27 ⁰ 4	27 ⁶ 6	15 ⁴² 42	24 ⁰ 0	25 ¹¹ 11	5 ⁴⁸ 48	29 ¹⁶ 16
W15	19 32 41	22 ³⁹ 25	1 ²⁷ 29	19 ¹⁴ 14	15 ²⁶ 26	2 ⁸ 8	29 ²⁹ 29	7 ⁵¹ 51	28 ¹ 1	27 ³ 3	15 ⁴⁴ 44	23 ⁵⁶ 56	25 ⁸ 8	5 ⁵⁵ 55	29 ¹⁷ 17
T 16	19 36 38	23 ³⁶ 40	13 ⁴⁹ 49	20 ²² 22	16 ³⁹ 39	2 ⁴⁸ 48	29 ⁴² 42	7 ⁵⁸ 58	28 ² 2	27 ² 2	15 ⁴⁵ 45	23 ⁵² 52	25 ⁵ 5	6 ¹ 1	29 ¹⁸ 18
F 17	19 40 34	24 ³³ 55	25 ⁵⁸ 58	21 ²⁷ 27	17 ⁵² 52	3 ²⁸ 28	29 ⁵⁶ 56	8 ⁶ 6	28 ³ 3	27 ⁰ 0	15 ⁴⁷ 47	23 ⁴⁷ 47	25 ² 2	6 ⁸ 8	29 ¹⁹ 19
S 18	19 44 31	25 ³¹ 11	7 ³ 59	22 ²⁹ 29	19 ⁵ 5	4 ⁸ 8	0 ⁰ Ω 9	8 ¹⁴ 14	28 ³ 3	26 ⁵⁹ 59	15 ⁴⁹ 49	23 ⁴² 42	24 ⁵⁸ 58	6 ¹⁵ 15	29 ²⁰ 20
S 19	19 48 27	26 ²⁸ 27	19 ⁵⁴ 54	23 ²⁹ 29	20 ¹⁸ 18	4 ⁴⁸ 48	0 ²² 22	8 ²¹ 21	28 ⁴ 4	26 ⁵⁸ 58	15 ⁵⁰ 50	23 ³⁸ 38	24 ⁵⁵ 55	6 ²¹ 21	29 ²⁰ 20
M20	19 52 24	27 ²⁵ 44	1 ² 44	24 ²⁵ 25	21 ³¹ 31	5 ²⁸ 28	0 ³⁵ 35	8 ²⁹ 29	28 ⁵ 5	26 ⁵⁶ 56	15 ⁵² 52	23 ³⁵ 35	24 ⁵² 52	6 ²⁸ 28	29 ²¹ 21
T 21	19 56 21	28 ²³ 02	13 ³² 32	25 ¹⁹ 19	22 ⁴⁴ 44	6 ⁸ 8	0 ⁴⁹ 49	8 ³⁶ 36	28 ⁶ 6	26 ⁵⁵ 55	15 ⁵³ 53	23 ³³ 33	24 ⁴⁹ 49	6 ³⁵ 35	29 ²² 22
W22	20 0 17	29 ²⁰ 20	25 ²⁰ 20	26 ⁹ 9	23 ⁵⁷ 57	6 ⁴⁷ 47	1 ² 2	8 ⁴⁴ 44	28 ⁶ 6	26 ⁵⁴ 54	15 ⁵⁵ 55	23 ³³ D33	24 ⁴⁶ 46	6 ⁴¹ 41	29 ²³ 23
T 23	20 4 14	0 ⁰ Ω17'39	7 ³ 11	26 ⁵⁶ 56	25 ¹⁰ 10	7 ²⁷ 27	1 ¹⁵ 15	8 ⁵² 52	28 ⁷ 7	26 ⁵² 52	15 ⁵⁶ 56	23 ³⁴ 34	24 ⁴² 42	6 ⁴⁸ 48	29 ²³ 23
F 24	20 8 10	1 ¹⁵ 00	19 ⁸ 8	27 ⁴⁰ 40	26 ²³ 23	8 ⁷ 7	1 ²⁹ 29	8 ⁵⁹ 59	28 ⁷ 7	26 ⁵¹ 51	15 ⁵⁸ 58	23 ³⁵ 35	24 ³⁹ 39	6 ⁵⁵ 55	29 ²⁴ 24
S 25	20 12 7	2 ¹² 21	1 ¹⁴ 14	28 ²⁰ 20	27 ³⁶ 36	8 ⁴⁶ 46	1 ⁴² 42	9 ⁷ 7	28 ⁸ 8	26 ⁴⁹ 49	15 ⁵⁹ 59	23 ³⁷ 37	24 ³⁶ 36	7 ¹ 1	29 ²⁴ 24
S 26	20 16 3	3 ⁰ 9'43	13 ³³ 33	28 ⁵⁶ 56	28 ⁴⁸ 48	9 ²⁶ 26	1 ⁵⁵ 55	9 ¹⁵ 15	28 ⁸ 8	26 ⁴⁸ 48	16 ¹ 1	23 ³⁸ 38	24 ³³ 33	7 ⁸ 8	29 ²⁵ 25
M27	20 20 0	4 ⁰ 7'06	26 ⁹ 9	29 ²⁸ 28	0 ¹ 1	10 ⁶ 6	2 ⁸ 8	9 ²² 22	28 ⁸ 8	26 ⁴⁶ 46	16 ² 2	23 ³⁹ 39	24 ³⁰ 30	7 ¹⁵ 15	29 ²⁵ 25
T 28	20 23 56	5 ⁰ 4'30	9 ³ 8	29 ⁵⁶ 56	1 ¹⁴ 14	10 ⁴⁵ 45	2 ²² 22	9 ³⁰ 30	28 ⁹ 9	26 ⁴⁵ 45	16 ⁴ 4	23 ³⁹ R39	24 ²⁷ 27	7 ²¹ 21	29 ²⁶ 26
W29	20 27 53	6 ¹ 5'56	22 ⁷ 0	0 ¹ 20	2 ²⁷ 27	11 ²⁵ 25	2 ³⁵ 35	9 ³⁸ 38	28 ⁹ 9	26 ⁴³ 43	16 ⁵ 5	23 ³⁸ 38	24 ²³ 23	7 ²⁸ 28	29 ²⁶ 26
T 30	20 31 50	6 ⁵⁹ 23	6 ¹¹ 19	0 ³⁹ 39	3 ⁴⁰ 40	12 ⁴ 4	2 ⁴⁸ 48	9 ⁴⁶ 46	28 ⁹ 9	26 ⁴² 42	16 ⁷ 7	23 ³⁷ 37	24 ²⁰ 20	7 ³⁵ 35	29 ²⁶ 26
F 31	20 35 46	7 ⁰ Ω56'51	20 ¹¹ 35	0 ¹ 53	4 ¹ 53	12 ² 43	3 ⁰ 1	9 ⁰ Ω53	28 ⁹ 9	26 ⁴⁰ 40	16 ⁸ 8	23 ³⁵ 35	24 ¹⁷ 17	7 ⁴¹ 41	29 ²⁶ 26

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	23n 9	11n 9	5s 4	21n57	1n40	21n57	1n27	23n45	0n29	21n19	0n26	19n27	0n42	10n10	0s34	12s57	0s33	22n26	0s 9	13n22	12n55	17s22	11n13	0n 7
T 2	23 5 14	39 5	9 21	31 1 36	21 43	1 28	23 48	0 29	21 17	0 26	19 26	0 43	10 10	0 34	12 57	0 33	22 26	0 9	13 24	12 56	17 21	11 14	0 7	
F 3	23 0 17	24 4	55 21	4 30	21 28	1 29	23 51	0 30	21 15	0 26	19 24	0 43	10 11	0 34	12 58	0 33	22 26	0 9	13 26	12 57	17 20	11 15	0 7	
S 4	22 55 19	5 4	21 20	37 1 25	21 12	1 30	23 53	0 31	21 12	0 26	19 22	0 43	10 11	0 34	12 58	0 33	22 26	0 9	13 28	12 58	17 19	11 15	0 7	
S 5	22 50 19	29 3	29 20	8 1 19	20 56	1 31	23 55	0 31	21 10	0 26	19 20	0 43	10 12	0 34	12 58	0 33	22 26	0 9	13 30	12 59	17 19	11 16	0 6	
M 6	22 44 18	29 2	22 19	39 1 12	20 39	1 31	23 57	0 32	21 7	0 26	19 19	0 43	10 12	0 34	12 59	0 33	22 26	0 9	13 32	13 0	17 18	11 16	0 6	
T 7	22 38 16	10 1	4 19	9 1 5	20 22	1 32	23 59	0 32	21 5	0 26	19 17	0 43	10 12	0 34	12 59	0 34	22 26	0 9	13 32	13 1	17 17	11 16	0 6	
W 8	22 31 12	48 0	16 18	38 0 57	20 4	1 33	24 0	0 33	21 2	0 26	19 15	0 43	10 13	0 34	12 59	0 34	22 26	0 9	13 33	13 2	17 16	11 17	0 6	
T 9	22 24 8	42 1	34 18	7 0 49	19 46	1 33	24 1	0 33	20 59	0 26	19 13	0 43	10 13	0 34	13 0	0 34	22 25	0 9	13 32	13 4	17 16	11 17	0 6	
F 10	22 17 4	12 2	45 17	36 0 40	19 27	1 34	24 2	0 34	20 57	0 26	19 11	0 43	10 14	0 34	13 0	0 34	22 25	0 9	13 32	13 5	17 15	11 18	0 6	
S 11	22 9 0	s23 3	43 17	4 0 31	19 8	1 34	24 3	0 35	20 54	0 26	19 9	0 43	10 14	0 34	13 1	0 34	22 25	0 9	13 31	13 6	17 14	11 18	0 6	
S 12	22 1 4	49 4	28 16	32 0 22	18 48	1 34	24 4	0 35	20 52	0 26	19 8	0 43	10 14	0 34	13 1	0 34	22 25	0 8	13 31	13 7	17 13	11 18	0 6	
M13	21 52 8	54 4	58 16	1 0 12	18 27	1 35	24 4	0 36	20 49	0 27	19 6	0 43	10 15	0 34	13 2	0 34	22 25	0 8	13 32	13 8	17 12	11 19	0 6	
T 14	21 44 12	29 5	11 15	29 0 2	18 6	1 35	24 5	0 36	20 46	0 27	19 4	0 43	10 15	0 34	13 2	0 34	22 25	0 8	13 33	13 9	17 12	11 19	0 6	
W15	21 34 15	26 5	10 14	57 0s 8	17 45	1 35	24 5	0 37	20 44	0 27	19 2	0 43	10 15	0 34	13 3	0 34	22 25	0 8	13 34	13 10	17 11	11 19	0 6	
T 16	21 25 17	38 4	54 14	26 0 19	17 23	1 35	24 4	0 38	20 41	0 27	19 0	0 43	10 16	0 34	13 3	0 34	22 25	0 8	13 35	13 11	17 10	11 20	0 6	
F 17	21 15 19	0 4	25 13	54 0 30	17 0	1 35	24 4	0 38	20 38	0 27	18 58	0 43	10 16	0 34	13 3	0 34	22 24	0 8	13					

SWISS EPHEMERIS for the year 1682

AUGUST 1682 GC

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Day	Sid.t	☉	☽	♃	♄	♅	♆	♁	♂	♆	♁	♁	♁	♁	♁
S 1	20 39 43	8♄54'20	5♄15	1♃ 2	6♃ 6	13♄23	3♄15	10♄ 1	28♃10	26°R39	16♄10	23°R33	24♄14	7♄48	29♃27
S 2	20 43 39	9°51'51	20°13	1°R 7	7°18	14° 2	3°28	10° 9	28°10	26°37	16°11	23♄32	24°11	7°55	29°27
M 3	20 47 36	10°49'23	5♄23	1° 6	8°31	14°41	3°41	10°16	28°R10	26°36	16°13	23°31	24° 8	8° 1	29°R27
T 4	20 51 32	11°46'56	20°34	1° 0	9°44	15°20	3°54	10°24	28°10	26°34	16°14	23°D30	24° 4	8° 8	29°27
W 5	20 55 29	12°44'30	5♃38	0°48	10°56	16° 0	4° 8	10°32	28°10	26°33	16°16	23°30	24° 1	8°15	29°26
T 6	20 59 25	13°42'05	20°25	0°31	12° 9	16°39	4°21	10°40	28° 9	26°31	16°17	23°31	23°58	8°21	29°26
F 7	21 3 22	14°39'40	4♄51	0° 9	13°22	17°18	4°34	10°47	28° 9	26°29	16°19	23°32	23°55	8°28	29°26
S 8	21 7 19	15°37'17	18°51	29♄41	14°34	17°57	4°47	10°55	28° 9	26°28	16°20	23°32	23°52	8°34	29°26
S 9	21 11 15	16°34'55	2♄24	29° 8	15°47	18°36	5° 0	11° 3	28° 9	26°26	16°21	23°33	23°48	8°41	29°25
M10	21 15 12	17°32'34	15°33	28°31	17° 0	19°15	5°13	11°10	28° 8	26°25	16°23	23°R33	23°45	8°48	29°25
T 11	21 19 8	18°30'13	28°20	27°49	18°12	19°54	5°27	11°18	28° 8	26°23	16°24	23°33	23°42	8°54	29°25
W12	21 23 5	19°27'54	10♄48	27° 4	19°25	20°32	5°40	11°26	28° 8	26°21	16°26	23°33	23°39	9° 1	29°24
T 13	21 27 1	20°25'36	23° 0	26°15	20°37	21°11	5°53	11°33	28° 7	26°20	16°27	23°32	23°36	9° 8	29°24
F 14	21 30 58	21°23'19	5♄ 2	25°24	21°50	21°50	6° 6	11°41	28° 7	26°18	16°28	23°32	23°33	9°14	29°23
S 15	21 34 54	22°21'03	16°56	24°32	23° 2	22°29	6°19	11°49	28° 6	26°16	16°30	23°32	23°29	9°21	29°22
S 16	21 38 51	23°18'49	28°45	23°40	24°14	23° 7	6°32	11°56	28° 5	26°15	16°31	23°D32	23°26	9°28	29°22
M17	21 42 48	24°16'36	10♄33	22°48	25°27	23°46	6°45	12° 4	28° 5	26°13	16°32	23°32	23°23	9°34	29°21
T 18	21 46 44	25°14'24	22°22	21°58	26°39	24°25	6°58	12°11	28° 4	26°12	16°33	23°R32	23°20	9°41	29°20
W19	21 50 41	26°12'13	4♃15	21°11	27°51	25° 3	7°10	12°19	28° 3	26°10	16°35	23°32	23°17	9°48	29°19
T 20	21 54 37	27°10'04	16°13	20°28	29° 4	25°42	7°23	12°27	28° 2	26° 8	16°36	23°32	23°14	9°54	29°18
F 21	21 58 34	28° 7'57	28°18	19°49	0♄16	26°20	7°36	12°34	28° 2	26° 7	16°37	23°31	23°10	10° 1	29°17
S 22	22 2 30	29° 5'51	10♃33	19°16	1°28	26°59	7°49	12°42	28° 1	26° 5	16°39	23°31	23° 7	10° 8	29°16
S 23	22 6 27	0♃ 3'47	23° 1	18°50	2°40	27°37	8° 2	12°49	28° 0	26° 3	16°40	23°30	23° 4	10°14	29°15
M24	22 10 23	1° 1'45	5♄43	18°31	3°52	28°15	8°14	12°57	27°59	26° 2	16°41	23°29	23° 1	10°21	29°14
T 25	22 14 20	1°59'45	18°43	18°19	5° 5	28°54	8°27	13° 4	27°58	26° 0	16°42	23°28	22°58	10°27	29°13
W26	22 18 16	2°57'46	2♄ 2	18°D15	6°17	29°32	8°40	13°12	27°57	25°58	16°43	23°D28	22°54	10°34	29°11
T 27	22 22 13	3°55'50	15°43	18°20	7°29	0♄10	8°52	13°19	27°56	25°57	16°44	23°28	22°51	10°41	29°10
F 28	22 26 10	4°53'56	29°46	18°33	8°41	0°48	9° 5	13°26	27°54	25°55	16°46	23°29	22°48	10°47	29° 9
S 29	22 30 6	5°52'03	14♄10	18°55	9°53	1°26	9°18	13°34	27°53	25°54	16°47	23°30	22°45	10°54	29° 7
S 30	22 34 3	6°50'13	28°53	19°25	11° 5	2° 4	9°30	13°41	27°52	25°52	16°48	23°31	22°42	11° 1	29° 6
M31	22 37 59	7♃48'24	13♄49	20♄ 3	12♄17	2♄42	9♄42	13♄48	27♃51	25°50	16♄49	23♄32	22♄39	11° 7	29♃ 4

Day	☉		☽		♃		♄		♅		♆		♁		♁		♁		♁					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	18n 4	19n26	3s57	7n49	3s32	10n37	1n25	23n35	0n47	19n55	0n28	18n29	0n45	10n18	0s34	13s11	0s34	22n23	0s 7	13n41	13n28	16s56	11n22	0n 4
S 2	17 48 19	5 2 54	7 37 3 43	10 9 1 24	23 31 0 47	19 52 0 28	18 27 0 45	10 18 0 34	13 12 0 34	22 23 0 7	13 42 13 29	16 55 11 22	0 4											
M 3	17 33 17	21 1 39	7 27 3 54	9 40 1 23	23 27 0 48	19 49 0 28	18 25 0 45	10 18 0 34	13 12 0 34	22 22 0 7	13 42 13 30	16 55 11 22	0 4											
T 4	17 17 14	24 0 16	7 20 4 4 9	11 21	23 24 0 48	19 46 0 28	18 23 0 45	10 18 0 34	13 13 0 34	22 22 0 7	13 42 13 31	16 54 11 22	0 4											
W 5	17 1 10	30 1n 7	7 15 4 13	8 42 1 20	23 19 0 49	19 43 0 28	18 21 0 45	10 18 0 34	13 13 0 34	22 22 0 7	13 42 13 32	16 53 11 21	0 4											
T 6	16 44 6	0 2 24	7 13 4 22	8 13 1 18	23 15 0 49	19 40 0 29	18 19 0 45	10 18 0 34	13 14 0 34	22 22 0 7	13 42 13 33	16 52 11 21	0 4											
F 7	16 28 1	17 3 30	7 14 4 29	7 44 1 17	23 11 0 50	19 37 0 29	18 17 0 45	10 18 0 34	13 14 0 34	22 22 0 7	13 42 13 34	16 51 11 21	0 4											
S 8	16 11 3s22	4 21 7 18	4 35 7 14	1 15	23 6 0 50	19 34 0 29	18 15 0 45	10 18 0 34	13 15 0 34	22 22 0 7	13 42 13 35	16 50 11 21	0 4											
S 9	15 54 7 41	4 56 7 25	4 40 6 45	1 14	23 2 0 51	19 31 0 29	18 13 0 45	10 18 0 34	13 16 0 34	22 22 0 7	13 42 13 36	16 49 11 21	0 4											
M10	15 36 11 30	5 15 7 34	4 44 6 15	1 12	22 57 0 51	19 28 0 29	18 11 0 45	10 18 0 34	13 16 0 34	22 22 0 7	13 41 13 37	16 48 11 21	0 4											
T 11	15 18 14 40	5 17 7 47	4 46 5 45	1 10	22 52 0 52	19 25 0 29	18 9 0 45	10 17 0 34	13 17 0 34	22 22 0 7	13 41 13 39	16 47 11 20	0 4											
W12	15 0 17 5 4	8 2 4 46	5 14 1 8	22 46 0 53	19 21 0 29	18 7 0 45	10 17 0 35	13 17 0 34	22 21 0 7	13 42 13 40	16 46 11 20	0 4												
T 13	14 42 18 41	4 37 8 20	4 44 5 44	1 6	22 41 0 53	19 18 0 29	18 4 0 46	10 17 0 35	13 18 0 34	22 21 0 7	13 42 13 41	16 46 11 20	0 3											
F 14	14 24 19 25	3 58 8 40	4 40 4 13	1 4	22 35 0 54	19 15 0 29	18 2 0 46	10 17 0 35	13 18 0 34	22 21 0 6	13 42 13 42	16 45 11 19	0 3											
S 15	14 5 19 16	3 10 9 2 4	3 35 3 43	1 2	22 29 0 54	19 12 0 29	18 0 0 46	10 17 0 35	13 19 0 34	22 21 0 6	13 42 13 43	16 44 11 19	0 3											
S 16	13 46 18 16	2 13 9 26	4 28 3 12	1 0	22 24 0 55	19 9 0 30	17 58 0 46	10 16 0 35	13 20 0 34	22 21 0 6	13 42 13 44	16 43 11 19	0 3											
M17	13 27 16 28	1 12 9 52	4 19 2 41	0 57	22 17 0 55	19 6 0 30	17 56 0 46	10 16 0 35	13 20 0 34	22 21 0 6	13 42 13 45	16 42 11 18	0 3											
T 18	13 8 13 59	0 6 10 18	4 8 2 10	0 55	22 11 0 56	19 3 0 30	17 54 0 46	10 16 0 35	13 21 0 34	22 21 0 6	13 42 13 46	16 41 11 18	0 3											
W19	12 48 10 53	0s59 10 45	3 55 1 39	0 53	22 5 0 56	18 59 0 30	17 52 0 46	10 16 0 35	13 21 0 34	22 21 0 6	13 42 13 47	16 40 11 18	0 3											
T 20	12 28 7 20	2 3 11 12	3 41 1 8	0 50	21 58 0 57	18 56 0 30	17 50 0 46	10 15 0 35	13 22 0 34	22 21 0 6	13 42 13 48	16 39 11 17	0 3											
F 21	12 9 3 27	3 1 11 38	3 26 0 37	0 48	21 51 0 57	18 53 0 30	17 48 0 46	10 15 0 35	13 22 0 34	22 21 0 6	13 42 13 49	16 38 11 17	0 3											
S 22	11 48 0n37	3 53 12 4 3	9 0 6 0 45	21 45 0 58	18 50 0 30	17 46 0 46	10 15 0 35	13 23 0 34	22 20 0 6	13 42 13 50	16 37 11 16	0 3												
S 23	11 28 4 43	4 34 12 29	2 52 0s25	0 42	21 38 0 58	18 47 0 30	17 44 0 47	10 14 0 35	13 24 0 34	22 20 0 6	13 43 13 51	16 36 11 16	0 3											
M24	11 8 8 42	5 2 12 52	2 34 0 56	0 40	21 30 0 59	18 44 0 30	17 42 0 47	10 14 0 35	13 24 0 34	22 20 0 6	13 43 13 52	16 35 11 15	0 3											
T 25	10 47 12 21	5 16 13 13	2 15 1 27	0 37	21 23 0 59	18 40 0 31	17 40 0 47	10 14 0 35	13 25 0 34	22 20 0 6	13 43 13 53	16 34 11 15	0 2											
W26	10 26 15 28	5 14 13 32	1 57 1 58	0 34	21 16 1 0	18 37 0 31	17 38 0 47	10 13 0 35	13 25 0 34	22 20 0 6	13 43 13 54	16 33 11 14	0 2											
T 27	10 5 17 50	4 54 13 48	1 38 2 30	0 31	21 8 1 0	18 34 0 31	17 36 0 47	10 13 0 35	13 26 0 34	22 20 0 6	13 43 13 55	16 32 11 14	0 2											
F 28	9 44 19 13	4 16 14 2 1	2 20 3 1	0 28	21 0 1 1	18 31 0 31	17 34 0 47	10 12 0 35	13 26 0 34	22 20 0 6	13 43 13 56	16 31 11 13	0 2											
S 29	9 22 19 23	3 21 14 12	1 2 3 32	0 25	20 52 1 2	18 27 0 31	17 32 0 4																	

SWISS EPHEMERIS for the year 1682

SEPTEMBER 1682 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	22 41 56	8 ^h 46'38"	28 ^h 52'	20 ^h 50'	13 ^h 28'	3 ^h 20'	9 ^h 55'	13 ^h 56'	27 ^h R49	25 ^h R49	16 ^h 50'	23 ^h R32	22 ^h 35'	11 ^h 14'	29 ^h R 3
W 2	22 45 52	9 ^h 44'53"	13 ^h 52'	21 ^h 44'	14 ^h 40'	3 ^h 58'	10 ^h 7'	14 ^h 3'	27 ^h Y48	25 ^h ≈47	16 ^h 51'	23 ^h 31'	22 ^h 32'	11 ^h 21'	29 ^h Y 1
T 3	22 49 49	10 ^h 43'10"	28 ^h 41'	22 ^h 45'	15 ^h 52'	4 ^h 36'	10 ^h 20'	14 ^h 10'	27 ^h 47	25 ^h 46	16 ^h 52'	23 ^h 29'	22 ^h 29'	11 ^h 27'	28 ^h 59
F 4	22 53 45	11 ^h 41'28"	13 ^h 42'	23 ^h 54'	17 ^h 4'	5 ^h 14'	10 ^h 32'	14 ^h 17'	27 ^h 45	25 ^h 44	16 ^h 53'	23 ^h 27'	22 ^h 26'	11 ^h 34'	28 ^h 58
S 5	22 57 42	12 ^h 39'48"	27 ^h 20'	25 ^h 9'	18 ^h 16'	5 ^h 52'	10 ^h 44'	14 ^h 24'	27 ^h 44	25 ^h 42	16 ^h 54'	23 ^h 25'	22 ^h 23'	11 ^h 41'	28 ^h 56
S 6	23 1 39	13 ^h 38'10"	11 ^h 1'	26 ^h 29'	19 ^h 27'	6 ^h 30'	10 ^h 56'	14 ^h 31'	27 ^h 42	25 ^h 41	16 ^h 55'	23 ^h 22'	22 ^h 19'	11 ^h 47'	28 ^h 54
M 7	23 5 35	14 ^h 36'34"	24 ^h 15'	27 ^h 55'	20 ^h 39'	7 ^h 8'	11 ^h 8'	14 ^h 39'	27 ^h 41	25 ^h 39	16 ^h 56'	23 ^h 20'	22 ^h 16'	11 ^h 54'	28 ^h 52
T 8	23 9 32	15 ^h 34'59"	7 ^h 5'	29 ^h 26'	21 ^h 51'	7 ^h 45'	11 ^h 20'	14 ^h 46'	27 ^h 39	25 ^h 38	16 ^h 57'	23 ^h 19'	22 ^h 13'	12 ^h 1'	28 ^h 50
W 9	23 13 28	16 ^h 33'25"	19 ^h 33'	1 ^h 0'	23 ^h 2'	8 ^h 23'	11 ^h 32'	14 ^h 53'	27 ^h 37	25 ^h 36	16 ^h 58'	23 ^h D19	22 ^h 10'	12 ^h 7'	28 ^h 48
T 10	23 17 25	17 ^h 31'54"	1 ^h 34'	2 ^h 39'	24 ^h 14'	9 ^h 0'	11 ^h 44'	14 ^h 59'	27 ^h 36	25 ^h 35	16 ^h 59'	23 ^h 19'	22 ^h 7'	12 ^h 14'	28 ^h 46
F 11	23 21 21	18 ^h 30'23"	13 ^h 43'	4 ^h 20'	25 ^h 25'	9 ^h 38'	11 ^h 56'	15 ^h 6'	27 ^h 34	25 ^h 33	17 ^h 0'	23 ^h 21'	22 ^h 4'	12 ^h 20'	28 ^h 44
S 12	23 25 18	19 ^h 28'55"	25 ^h 34'	6 ^h 4'	26 ^h 36'	10 ^h 15'	12 ^h 8'	15 ^h 13'	27 ^h 32	25 ^h 32	17 ^h 0'	23 ^h 23'	22 ^h 0'	12 ^h 27'	28 ^h 42
S 13	23 29 14	20 ^h 27'28"	7 ^h ≈21'	7 ^h 50'	27 ^h 48'	10 ^h 53'	12 ^h 19'	15 ^h 20'	27 ^h 30	25 ^h 30	17 ^h 1'	23 ^h 24'	21 ^h 57'	12 ^h 34'	28 ^h 40
M14	23 33 11	21 ^h 26'03"	19 ^h 10'	9 ^h 38'	28 ^h 59'	11 ^h 30'	12 ^h 31'	15 ^h 27'	27 ^h 28	25 ^h 29	17 ^h 2'	23 ^h R25	21 ^h 54'	12 ^h 40'	28 ^h 38
T 15	23 37 8	22 ^h 24'40"	1 ^h 3'	11 ^h 27'	0 ^h 11.10	12 ^h 8'	12 ^h 43'	15 ^h 33'	27 ^h 27	25 ^h 28	17 ^h 3'	23 ^h 25'	21 ^h 51'	12 ^h 47'	28 ^h 36
W16	23 41 4	23 ^h 23'19"	13 ^h 2'	13 ^h 17'	1 ^h 22'	12 ^h 45'	12 ^h 54'	15 ^h 40'	27 ^h 25	25 ^h 26	17 ^h 4'	23 ^h 23'	21 ^h 48'	12 ^h 54'	28 ^h 34
T 17	23 45 1	24 ^h 21'59"	25 ^h 11'	15 ^h 7'	2 ^h 33'	13 ^h 22'	13 ^h 6'	15 ^h 47'	27 ^h 23	25 ^h 25	17 ^h 4'	23 ^h 20'	21 ^h 45'	13 ^h 0'	28 ^h 31
F 18	23 48 57	25 ^h 20'42"	7 ^h Y31	16 ^h 58'	3 ^h 44'	14 ^h 0'	13 ^h 17'	15 ^h 53'	27 ^h 21	25 ^h 23	17 ^h 5'	23 ^h 16'	21 ^h 41'	13 ^h 7'	28 ^h 29
S 19	23 52 54	26 ^h 19'26"	20 ^h 2'	18 ^h 49'	4 ^h 55'	14 ^h 37'	13 ^h 28'	16 ^h 0'	27 ^h 19	25 ^h 22	17 ^h 6'	23 ^h 10'	21 ^h 38'	13 ^h 14'	28 ^h 27
S 20	23 56 50	27 ^h 18'13"	2 ^h 46'	20 ^h 40'	6 ^h 6'	15 ^h 14'	13 ^h 40'	16 ^h 6'	27 ^h 17	25 ^h 21	17 ^h 6'	23 ^h 5'	21 ^h 35'	13 ^h 20'	28 ^h 24
M21	0 0 47	28 ^h 17'02"	15 ^h 43'	22 ^h 30'	7 ^h 17'	15 ^h 51'	13 ^h 51'	16 ^h 13'	27 ^h 15	25 ^h 19	17 ^h 7'	22 ^h 59'	21 ^h 32'	13 ^h 27'	28 ^h 22
T 22	0 4 43	29 ^h 15'53"	28 ^h 53'	24 ^h 21'	8 ^h 28'	16 ^h 28'	14 ^h 2'	16 ^h 19'	27 ^h 13	25 ^h 18	17 ^h 8'	22 ^h 55'	21 ^h 29'	13 ^h 34'	28 ^h 19
W23	0 8 40	0 ^h 14'46"	12 ^h II17	26 ^h 10'	9 ^h 39'	17 ^h 5'	14 ^h 13'	16 ^h 25'	27 ^h 11	25 ^h 17	17 ^h 8'	22 ^h 51'	21 ^h 25'	13 ^h 40'	28 ^h 17
T 24	0 12 36	1 ^h 13'42"	25 ^h 56'	27 ^h 59'	10 ^h 49'	17 ^h 42'	14 ^h 24'	16 ^h 32'	27 ^h 9'	25 ^h 15	17 ^h 9'	22 ^h D50	21 ^h 22'	13 ^h 47'	28 ^h 14
F 25	0 16 33	2 ^h 12'40"	9 ^h 50'	29 ^h 48'	12 ^h 0'	18 ^h 19'	14 ^h 35'	16 ^h 38'	27 ^h 6'	25 ^h 14	17 ^h 10'	22 ^h 50'	21 ^h 19'	13 ^h 54'	28 ^h 12
S 26	0 20 30	3 ^h 11'41"	23 ^h 59'	1 ^h 35'	13 ^h 11'	18 ^h 56'	14 ^h 45'	16 ^h 44'	27 ^h 4'	25 ^h 13	17 ^h 10'	22 ^h 51'	21 ^h 16'	14 ^h 0'	28 ^h 9
S 27	0 24 26	4 ^h 10'43"	8 ^h 22'	3 ^h 22'	14 ^h 21'	19 ^h 33'	14 ^h 56'	16 ^h 50'	27 ^h 2'	25 ^h 12	17 ^h 11'	22 ^h 52'	21 ^h 13'	14 ^h 7'	28 ^h 7
M28	0 28 23	5 ^h 9'48"	22 ^h 56'	5 ^h 8'	15 ^h 32'	20 ^h 9'	15 ^h 7'	16 ^h 56'	27 ^h 0'	25 ^h 11	17 ^h 11'	22 ^h R53	21 ^h 10'	14 ^h 13'	28 ^h 4
T 29	0 32 19	6 ^h 8'56"	7 ^h 36'	6 ^h 54'	16 ^h 43'	20 ^h 46'	15 ^h 17'	17 ^h 2'	26 ^h 58	25 ^h 10	17 ^h 12'	22 ^h 52'	21 ^h 6'	14 ^h 20'	28 ^h 1
W30	0 36 16	7 ^h 8'05"	22 ^h 18'	8 ^h 38'	17 ^h 53'	21 ^h 23'	15 ^h 28'	17 ^h 8'	26 ^h Y55	25 ^h ≈ 8	17 ^h 512	22 ^h 49	21 ^h 3	14 ^h ≈27	27 ^h Y59

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	8n18	12n21	0n30	14n24	0s11	5s 4	0n16	20n28	1n 3	18n18	0n31	17n26	0n48	10n10	0s35	13s29	0s34	22n20	0s 5	13n42	14n 0	16s27	11n11	0n 2
W 2	7 56	8 3	1 50	14 21	0n 5	5 35	0 13	20 19	1 4	18 15	0 32	17 24	0 48	10 10	0 35	13 29	0 34	22 20	0 5	13 42	14 1	16 26	11 10	0 2
T 3	7 34	3 19	3 3	14 15	0 19	6 6	0 10	20 11	1 4	18 11	0 32	17 22	0 48	10 9	0 35	13 30	0 34	22 19	0 5	13 43	14 2	16 25	11 10	0 2
F 4	7 11	1s31	4 1	14 5	0 32	6 36	0 7	20 2	1 5	18 8	0 32	17 20	0 48	10 9	0 35	13 30	0 34	22 19	0 5	13 43	14 4	16 24	11 9	0 2
S 5	6 49	6 7	4 44	13 52	0 45	7 7	0 4	19 53	1 5	18 5	0 32	17 18	0 48	10 8	0 35	13 31	0 34	22 19	0 5	13 44	14 5	16 23	11 8	0 2
S 6	6 27	10 16	5 8	13 35	0 56	7 37	0 0	19 44	1 6	18 2	0 32	17 16	0 48	10 8	0 35	13 31	0 34	22 19	0 5	13 45	14 6	16 22	11 7	0 1
M 7	6 4	13 46	5 16	13 15	1 6	8 7	0s 3	19 35	1 6	17 59	0 32	17 14	0 48	10 7	0 35	13 32	0 34	22 19	0 5	13 46	14 7	16 21	11 7	0 1
T 8	5 42	16 29	5 7	12 52	1 15	8 37	0 6	19 26	1 7	17 55	0 32	17 12	0 48	10 7	0 35	13 32	0 34	22 19	0 5	13 46	14 8	16 20	11 6	0 1
W 9	5 19	18 22	4 43	12 26	1 23	9 7	0 10	19 17	1 7	17 52	0 32	17 10	0 48	10 6	0 35	13 33	0 34	22 19	0 5	13 46	14 9	16 19	11 5	0 1
T 10	4 56	19 20	4 8	11 57	1 30	9 37	0 13	19 7	1 8	17 49	0 33	17 8	0 49	10 5	0 35	13 33	0 34	22 19	0 5	13 46	14 10	16 18	11 4	0 1
F 11	4 33	19 26	3 22	11 25	1 36	10 6	0 17	18 58	1 8	17 46	0 33	17 6	0 49	10 5	0 35	13 34	0 34	22 19	0 5	13 46	14 11	16 17	11 4	0 1
S 12	4 10	18 39	2 27	10 51	1 41	10 35	0 20	18 48	1 9	17 43	0 33	17 5	0 49	10 4	0 35	13 34	0 34	22 19	0 5	13 45	14 12	16 16	11 3	0 1
S 13	3 47	17 3	1 27	10 15	1 44	11 4	0 23	18 38	1 9	17 40	0 33	17 3	0 49	10 3	0 35	13 35	0 34	22 19	0 5	13 44	14 13	16 15	11 2	0 1
M14	3 24	14 44	0 23	9 37	1 47	11 33	0 27	18 29	1 10	17 36	0 33	17 1	0 49	10 3	0 35	13 35	0 34	22 19	0 5	13 44	14 14	16 14	11 1	0 1
T 15	3 1	11 46	0s42	8 58	1 49	12 2	0 31	18 19	1 10	17 33	0 33	16 59	0 49	10 2	0 35	13 36	0 34	22 19	0 5	13 44	14 15	16 13	11 0	0 1
W16	2 38	8 18	1 46	8 17	1 50	12 30	0 34	18 9	1 11	17 30	0 33	16 57	0 49	10 1	0 35	13 36	0 34	22 19	0 5	13 45	14 16	16 12	10 59	0 1
T 17	2 14	4 27	2 45	7 34	1 51	12 58	0 38	17 58	1 11	17 27	0 34	16 55	0 50	10 1	0 35	13 37	0 34	22 19	0 4	13 46	14 17	16 11	10 58	0 1
F 18	1 51	0 21	3 38	6 51	1 50	13 26	0 41	17 48	1 12	17 24	0 34	16 53	0 50	10 0	0 35	13 37	0 34	22 19	0 4	13 47	14 18	16 10	10 58	0 0
S 19	1 28	3n49	4 21	6																				

SWISS EPHEMERIS for the year 1682

OCTOBER 1682 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 40 12	8♁ 7'17	6♁54	10♁22	19♁ 3	21♁59	15♁38	17♁14	26°R53	25°R 7	17♁12	22°R44	21♁ 0	14♁33	27°R56
F 2	0 44 9	9° 6'30	21°18	12° 5	20°14	22°36	15°48	17°20	26°Y51	25°R 6	17°13	22♁38	20°57	14°40	27°Y53
S 3	0 48 5	10° 5'46	5♁23	13°47	21°24	23°12	15°58	17°25	26°48	25° 5	17°13	22°30	20°54	14°47	27°51
S 4	0 52 2	11° 5'04	19° 5	15°29	22°34	23°49	16° 8	17°31	26°46	25° 4	17°14	22°22	20°50	14°53	27°48
M 5	0 55 59	12° 4'23	2♁22	17° 9	23°44	24°25	16°18	17°36	26°44	25° 3	17°14	22°15	20°47	15° 0	27°45
T 6	0 59 55	13° 3'45	15°14	18°49	24°54	25° 2	16°28	17°42	26°41	25° 2	17°14	22° 9	20°44	15° 7	27°42
W 7	1 3 52	14° 3'08	27°44	20°28	26° 4	25°38	16°38	17°47	26°39	25° 1	17°14	22° 5	20°41	15°13	27°39
T 8	1 7 48	15° 2'33	9♁56	22° 7	27°14	26°14	16°48	17°53	26°37	25° 0	17°15	22°D 4	20°38	15°20	27°37
F 9	1 11 45	16° 1'59	21°55	23°44	28°24	26°50	16°57	17°58	26°34	24°59	17°15	22° 4	20°35	15°27	27°34
S 10	1 15 41	17° 1'28	3♁46	25°21	29°34	27°26	17° 7	18° 3	26°32	24°59	17°15	22° 5	20°31	15°33	27°31
S 11	1 19 38	18° 0'58	15°33	26°58	0♁43	28° 2	17°16	18° 8	26°29	24°58	17°15	22° 6	20°28	15°40	27°28
M12	1 23 34	19° 0'30	27°23	28°33	1°53	28°39	17°25	18°13	26°27	24°57	17°15	22°R 6	20°25	15°46	27°25
T 13	1 27 31	20° 0'04	9♁20	0♁ 8	3° 2	29°14	17°34	18°18	26°25	24°56	17°16	22° 4	20°22	15°53	27°22
W14	1 31 28	20°59'40	21°27	1°43	4°12	29°50	17°43	18°23	26°22	24°55	17°16	22° 0	20°19	16° 0	27°19
T 15	1 35 24	21°59'17	3°Y48	3°16	5°21	0♁26	17°52	18°28	26°20	24°55	17°16	21°53	20°16	16° 6	27°16
F 16	1 39 21	22°58'57	16°23	4°49	6°30	1° 2	18° 1	18°33	26°17	24°54	17°16	21°45	20°12	16°13	27°13
S 17	1 43 17	23°58'38	29°15	6°22	7°39	1°38	18° 9	18°37	26°15	24°53	17°16	21°34	20° 9	16°20	27°10
S 18	1 47 14	24°58'22	12♁21	7°54	8°48	2°13	18°18	18°42	26°12	24°53	17°R16	21°23	20° 6	16°26	27° 7
M19	1 51 10	25°58'08	25°40	9°25	9°57	2°49	18°26	18°46	26°10	24°52	17°16	21°12	20° 3	16°33	27° 4
T 20	1 55 7	26°57'55	9♁11	10°56	11° 5	3°25	18°34	18°51	26° 7	24°51	17°16	21° 2	20° 0	16°40	27° 2
W21	1 59 3	27°57'45	22°52	12°26	12°14	4° 0	18°43	18°55	26° 5	24°51	17°16	20°55	19°56	16°46	26°59
T 22	2 3 0	28°57'38	6♁40	13°56	13°22	4°36	18°51	18°59	26° 2	24°50	17°16	20°51	19°53	16°53	26°56
F 23	2 6 57	29°57'32	20°36	15°25	14°31	5°11	18°58	19° 3	26° 0	24°50	17°16	20°49	19°50	17° 0	26°53
S 24	2 10 53	0♁57'29	4♁38	16°54	15°39	5°46	19° 6	19° 7	25°58	24°50	17°15	20°D49	19°47	17° 6	26°50
S 25	2 14 50	1°57'28	18°46	18°22	16°47	6°22	19°14	19°11	25°55	24°49	17°15	20°R49	19°44	17°13	26°47
M26	2 18 46	2°57'29	2♁59	19°49	17°55	6°57	19°21	19°15	25°53	24°49	17°15	20°48	19°41	17°20	26°44
T 27	2 22 43	3°57'32	17°14	21°16	19° 3	7°32	19°29	19°19	25°50	24°48	17°15	20°46	19°37	17°26	26°41
W28	2 26 39	4°57'37	1♁30	22°42	20°11	8° 7	19°36	19°23	25°48	24°48	17°15	20°41	19°34	17°33	26°38
T 29	2 30 36	5°57'45	15°42	24° 8	21°18	8°42	19°43	19°26	25°45	24°48	17°14	20°33	19°31	17°39	26°35
F 30	2 34 32	6°57'54	29°45	25°33	22°26	9°17	19°50	19°30	25°43	24°48	17°14	20°22	19°28	17°46	26°32
S 31	2 38 29	7♁58'05	13♁34	26♁57	23♁33	9♁52	19♁56	19♁33	25°Y41	24°R47	17♁14	20♁10	19♁25	17°R53	26°Y29

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	3s14	0n33	3n35	3s12	1n 0	18s55	1s28	15n26	1n18	16n45	0n36	16n31	0n52	9n50	0s35	13s43	0s34	22n19	0s 4	13n58	14n31	15s56	10n45	0s 1
F 2	3 37	4s15	4 24	3 57	0 54	19 18	1 31	15 15	1 19	16 42	0 36	16 29	0 52	9 49	0 35	13 43	0 34	22 19	0 4	14 0	14 32	15 55	10 44	0 1
S 3	4 0	8 42	4 54	4 43	0 48	19 40	1 35	15 3	1 19	16 39	0 36	16 28	0 52	9 48	0 35	13 43	0 34	22 19	0 3	14 2	14 33	15 54	10 43	0 1
S 4	4 24	12 35	5 7	5 28	0 41	20 1	1 38	14 52	1 20	16 36	0 36	16 26	0 52	9 47	0 35	13 44	0 34	22 19	0 3	14 5	14 34	15 53	10 42	0 1
M 5	4 47	15 43	5 3	6 13	0 35	20 23	1 42	14 40	1 20	16 33	0 36	16 25	0 52	9 47	0 35	13 44	0 34	22 19	0 3	14 7	14 35	15 52	10 40	0 1
T 6	5 10	17 58	4 43	6 57	0 28	20 43	1 45	14 28	1 21	16 30	0 37	16 23	0 52	9 46	0 35	13 44	0 34	22 19	0 3	14 9	14 36	15 51	10 39	0 1
W 7	5 33	19 17	4 11	7 40	0 22	21 3	1 48	14 16	1 21	16 28	0 37	16 22	0 52	9 45	0 35	13 45	0 34	22 19	0 3	14 10	14 37	15 50	10 38	0 1
T 8	5 56	19 40	3 27	8 24	0 15	21 23	1 52	14 5	1 22	16 25	0 37	16 20	0 53	9 44	0 35	13 45	0 34	22 19	0 3	14 11	14 38	15 49	10 37	0 1
F 9	6 19	19 8	2 35	9 6	0 8	21 42	1 55	13 53	1 22	16 22	0 37	16 19	0 53	9 43	0 35	13 45	0 34	22 19	0 3	14 11	14 39	15 47	10 36	0 1
S 10	6 42	17 46	1 37	9 48	0 1	22 1	1 58	13 41	1 23	16 20	0 37	16 17	0 53	9 42	0 35	13 45	0 34	22 19	0 3	14 10	14 40	15 46	10 35	0 1
S 11	7 5	15 38	0 35	10 29	0s 5	22 19	2 1	13 29	1 23	16 17	0 37	16 16	0 53	9 41	0 35	13 46	0 34	22 19	0 3	14 10	14 41	15 45	10 34	0 2
M12	7 27	12 51	0s28	11 10	0 12	22 36	2 5	13 17	1 24	16 14	0 38	16 14	0 53	9 40	0 35	13 46	0 34	22 19	0 3	14 10	14 42	15 44	10 33	0 2
T 13	7 50	9 29	1 31	11 50	0 19	22 53	2 8	13 4	1 24	16 12	0 38	16 13	0 53	9 40	0 35	13 46	0 34	22 19	0 3	14 11	14 43	15 43	10 32	0 2
W14	8 12	5 42	2 31	12 30	0 26	23 10	2 11	12 52	1 25	16 9	0 38	16 12	0 54	9 39	0 35	13 47	0 34	22 19	0 3	14 12	14 44	15 42	10 30	0 2
T 15	8 35	1 36	3 24	13 8	0 33	23 25	2 14	12 40	1 25	16 7	0 38	16 10	0 54	9 38	0 35	13 47	0 34	22 19	0 3	14 14	14 45	15 41	10 29	0 2
F 16	8 57	2n38	4 8	13 46	0 40	23 41	2 17	12 28	1 26	16 4	0 38	16 9	0 54	9 37	0 35	13 47	0 34	22 19	0 3	14 17	14 46	15 40	10 28	0 2
S 17	9 19	6 50	4 41	14 24	0 46	23 55	2 20	12 15	1 26	16 2	0 39	16 8	0 54	9 36	0 35	13 47	0 34	22 19	0 3	14 20	14 47	15 38	10 27	0 2
S 18	9 41	10 49	5 0	15 0	0 53	24 9	2 23	12 3	1 27	15 59	0 39	16 6	0 54	9 35	0 35	13 47	0 34	22 19	0 3	14 24	14 48	15 37	10 26	0 2
M19	10 3	14 19	5 2	15 36	1 0	24 22	2 25	11 51	1 27	15 57	0 39	16 5	0 54	9 34	0 35	13 48	0 34	22 19	0 2	14 27	14 49	15 36	10 25	0 2
T 20	10 25	17 7	4 48	16 11	1 6	24 35	2 28	11 38	1 28	15 54	0 39	16 4	0 55	9 33	0 35	13 48	0 34	22 19	0 2	14 30	14 50	15 35	10 24	0 2
W21	10 46	19 0	4 18	16 45	1 13	24 47	2 31	11 26	1 28	15 52	0 39	16 3	0 55	9 33	0 35	13 48	0 34	22 19	0 2	14 33	14 51	15 34	10 22	0 2
T 22	11 7	19 47	3 32	17 18	1 19	24 59	2 33	11 13	1 29	15 50	0 40	16 2	0 55	9 32	0 35	13 48	0 34	22 19	0 2	14 34	14 52	15 33	10 21	0 3
F 23	11 29	19 22	2 33	17 51	1 25	25 9	2 36	11 1	1 29	15 47	0 40	16 1	0 55	9 31	0 35	13 48	0 34	22 20	0 2	14 35	14 53	15 31	10 20	0 3
S 24	11 50	17 46	1 25	18 22	1 31	25 19	2 38	10 48	1 30	15 45	0 40	15 59	0 55	9 30	0 35	13 48	0 34	22 20	0 2	14 35	14 54	15 30	10 19	0 3
S 25	12 10	15 3	0 11	18 53	1 37	25 29	2 40	10 36	1 30	15 43	0 40	15 58	0 56	9 29	0 35	13 49	0 34	22 20	0 2	14 35	14 55	15 29	10 18	0 3
M26	12 31	11 26	1n 4	19 22	1 43	25 38	2 43	10 23	1 31	15 41	0 40	15 57	0 56	9 28	0 35	13 49	0 34	22 20	0 2	14 35	14 56	15 28	10 17	0 3
T 27	12 52	7 8	2 15	19 51	1 49	25 46	2 45	10 10	1 31	15 39	0 41	15 56	0 56	9 27	0 35	13 49	0 34	22 20	0 2	14 36	14 57	15 27	10 16	0 3
W28	13 12	2 26	3 18	20 19	1 54	25 53	2 47	9 58	1 32	15 37	0 41	15 55	0 56	9 26	0 35	13 49	0 34	22 20	0 2	14 37	1			

SWISS EPHEMERIS for the year 1682

NOVEMBER 1682 GC

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S 1	2 42 25	8♈58'18	27♈ 5	28♈20	24♈40	10♈27	20♈ 3	19♈36	25°R38	24°R47	17°R13	19°R57	19♈22	17♈59	26°R26								
M 2	2 46 22	9°58'33	10♈16	29°42	25°47	11° 1	20° 9	19°39	25°Y36	24°R47	17°R13	19♈22	19°18	18° 6	26°Y24								
T 3	2 50 19	10°58'50	23° 6	1♈ 4	26°54	11°36	20°16	19°42	25°33	24°47	17°13	19°35	19°15	18°13	26°21								
W 4	2 54 15	11°59'08	5♈36	2°24	28° 1	12°11	20°22	19°45	25°31	24°47	17°12	19°28	19°12	18°19	26°18								
T 5	2 58 12	12°59'27	17°48	3°43	29° 7	12°45	20°28	19°48	25°29	24°47	17°12	19°23	19° 9	18°26	26°15								
F 6	3 2 8	13°59'48	29°46	5° 1	0♈13	13°19	20°34	19°51	25°26	24°D47	17°11	19°21	19° 6	18°33	26°12								
S 7	3 6 5	15° 0'11	11♈37	6°18	1°19	13°54	20°39	19°54	25°24	24°47	17°11	19°20	19° 2	18°39	26°10								
S 8	3 10 1	16° 0'34	23°24	7°33	2°25	14°28	20°45	19°56	25°22	24°47	17°10	19°20	18°59	18°46	26° 7								
M 9	3 13 58	17° 1'00	5♈15	8°46	3°31	15° 2	20°50	19°59	25°20	24°47	17°10	19°20	18°56	18°53	26° 4								
T 10	3 17 54	18° 1'26	17°13	9°58	4°36	15°36	20°55	20° 1	25°17	24°47	17° 9	19°17	18°53	18°59	26° 1								
W 11	3 21 51	19° 1'54	29°25	11° 7	5°42	16°10	21° 0	20° 3	25°15	24°47	17° 9	19°13	18°50	19° 6	25°59								
T 12	3 25 48	20° 2'23	11°Y53	12°13	6°47	16°44	21° 5	20° 6	25°13	24°47	17° 8	19° 5	18°47	19°12	25°56								
F 13	3 29 44	21° 2'54	27°41	13°17	7°51	17°18	21°10	20° 8	25°11	24°48	17° 8	18°55	18°43	19°19	25°54								
S 14	3 33 41	22° 3'26	7♈50	14°17	8°56	17°52	21°15	20°10	25° 9	24°48	17° 7	18°43	18°40	19°26	25°51								
S 15	3 37 37	23° 4'00	21°18	15°14	10° 0	18°26	21°19	20°11	25° 7	24°48	17° 6	18°30	18°37	19°32	25°48								
M 16	3 41 34	24° 4'35	5♈ 2	16° 7	11° 4	18°59	21°23	20°13	25° 5	24°49	17° 6	18°17	18°34	19°39	25°46								
T 17	3 45 30	25° 5'11	19° 0	16°55	12° 7	19°33	21°27	20°15	25° 3	24°49	17° 5	18° 6	18°31	19°46	25°43								
W 18	3 49 27	26° 5'50	3♈ 6	17°37	13°11	20° 6	21°31	20°16	25° 1	24°49	17° 4	17°57	18°27	19°52	25°41								
T 19	3 53 23	27° 6'30	17°17	18°14	14°14	20°40	21°35	20°18	24°59	24°50	17° 3	17°51	18°24	19°59	25°39								
F 20	3 57 20	28° 7'11	1♈28	18°44	15°17	21°13	21°38	20°19	24°57	24°50	17° 3	17°49	18°21	20° 6	25°36								
S 21	4 1 17	29° 7'54	15°37	19° 6	16°19	21°46	21°41	20°20	24°55	24°51	17° 2	17°D48	18°18	20°12	25°34								
S 22	4 5 13	0♈ 8'39	29°43	19°21	17°21	22°19	21°45	20°21	24°53	24°51	17° 1	17°R48	18°15	20°19	25°31								
M 23	4 9 10	1° 9'25	13♈45	19°R26	18°23	22°52	21°47	20°22	24°51	24°52	17° 0	17°48	18°12	20°26	25°29								
T 24	4 13 6	2°10'13	27°42	19°21	19°24	23°25	21°50	20°23	24°49	24°53	16°59	17°45	18° 8	20°32	25°27								
W 25	4 17 3	3°11'02	11♈34	19° 6	20°25	23°58	21°53	20°24	24°47	24°53	16°59	17°40	18° 5	20°39	25°25								
T 26	4 20 59	4°11'53	25°20	18°40	21°26	24°30	21°55	20°24	24°46	24°54	16°58	17°32	18° 2	20°45	25°23								
F 27	4 24 56	5°12'45	8♈56	18° 3	22°26	25° 3	21°57	20°25	24°44	24°55	16°57	17°22	17°59	20°52	25°21								
S 28	4 28 52	6°13'39	22°21	17°15	23°26	25°35	21°59	20°25	24°42	24°55	16°56	17°10	17°56	20°59	25°18								
S 29	4 32 49	7°14'33	5♈32	16°17	24°26	26° 8	22° 1	20°26	24°41	24°56	16°55	16°57	17°53	21° 5	25°16								
M 30	4 36 46	8°15'29	18♈28	15°10	25♈25	26♈40	22♈ 3	20♈26	24°Y39	24°R57	16°E54	16♈45	17♈49	21°R12	25°Y14								

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14s31	14s42	4n59	21s59	2s13	26s16	2s54	9n 7	1n34	15n29	0n42	15n52	0n57	9n23	0s35	13s49	0s34	22n20	0s 2	14n51	15n 2	15s21	10n10	0s 3
M 2	14 50	17 22	4 42	22 22	2 18	26 20	2 56	8 54	1 34	15 27	0 42	15 51	0 57	9 22	0 35	13 49	0 34	22 20	0 2	14 55	15 3	15 20	10 9	0 4
T 3	15 9	19 7	4 12	22 43	2 21	26 24	2 57	8 41	1 35	15 25	0 42	15 50	0 57	9 21	0 35	13 49	0 34	22 21	0 2	14 58	15 4	15 18	10 8	0 4
W 4	15 27	19 52	3 30	23 3	2 25	26 26	2 59	8 29	1 36	15 23	0 42	15 49	0 57	9 20	0 35	13 49	0 34	22 21	0 1	15 0	15 5	15 17	10 7	0 4
T 5	15 46	19 40	2 39	23 21	2 28	26 28	3 0	8 16	1 36	15 22	0 42	15 49	0 58	9 20	0 35	13 49	0 34	22 21	0 1	15 2	15 6	15 16	10 5	0 4
F 6	16 4	18 34	1 42	23 39	2 31	26 30	3 1	8 3	1 37	15 20	0 43	15 48	0 58	9 19	0 35	13 49	0 34	22 21	0 1	15 3	15 7	15 15	10 4	0 4
S 7	16 22	16 40	0 41	23 55	2 33	26 30	3 2	7 50	1 37	15 18	0 43	15 47	0 58	9 18	0 35	13 49	0 34	22 21	0 1	15 3	15 8	15 14	10 3	0 4
S 8	16 39	14 5	0s22	24 10	2 35	26 30	3 3	7 37	1 38	15 17	0 43	15 47	0 58	9 17	0 35	13 49	0 34	22 21	0 1	15 3	15 9	15 12	10 2	0 4
M 9	16 57	10 54	1 23	24 23	2 37	26 30	3 4	7 25	1 38	15 15	0 43	15 46	0 58	9 16	0 35	13 49	0 34	22 21	0 1	15 3	15 10	15 11	10 1	0 4
T 10	17 14	7 14	2 22	24 35	2 38	26 28	3 4	7 12	1 39	15 14	0 44	15 45	0 59	9 16	0 35	13 49	0 34	22 21	0 1	15 4	15 11	15 10	10 0	0 4
W 11	17 30	3 13	3 15	24 45	2 38	26 26	3 5	6 59	1 39	15 13	0 44	15 45	0 59	9 15	0 35	13 49	0 34	22 22	0 1	15 5	15 12	15 9	9 59	0 4
T 12	17 47	1n 1	4 0	24 54	2 38	26 23	3 5	6 46	1 40	15 11	0 44	15 44	0 59	9 14	0 35	13 49	0 34	22 22	0 1	15 7	15 13	15 7	9 58	0 4
F 13	18 3	5 19	4 34	25 1	2 37	26 20	3 6	6 34	1 40	15 10	0 44	15 44	0 59	9 13	0 35	13 49	0 34	22 22	0 1	15 11	15 14	15 6	9 57	0 4
S 14	18 19	9 29	4 55	25 7	2 35	26 16	3 6	6 21	1 41	15 9	0 44	15 44	0 59	9 12	0 35	13 49	0 34	22 22	0 1	15 14	15 15	15 5	9 56	0 5
S 15	18 34	13 17	5 0	25 11	2 33	26 11	3 6	6 8	1 41	15 7	0 45	15 43	1 0	9 12	0 35	13 49	0 34	22 22	0 1	15 19	15 16	15 4	9 55	0 5
M 16	18 49	16 27	4 48	25 13	2 29	26 6	3 5	5 55	1 42	15 6	0 45	15 43	1 0	9 11	0 35	13 49	0 34	22 22	0 1	15 22	15 17	15 2	9 54	0 5
T 17	19 4	18 44	4 18	25 14	2 25	26 0	3 5	5 43	1 42	15 5	0 45	15 42	1 0	9 10	0 35	13 48	0 34	22 22	0 1	15 26	15 18	15 1	9 53	0 5
W 18	19 19	19 54	3 33	25 13	2 19	25 53	3 5	5 30	1 43	15 4	0 45	15 42	1 0	9 10	0 35	13 48	0 34	22 23	0 1	15 29	15 19	15 0	9 52	0 5
T 19	19 33	19 49	2 34	25 10	2 13	25 46	3 4	5 17	1 43	15 3	0 46	15 42	1 0	9 9	0 35	13 48	0 34	22 23	0 1	15 30	15 20	14 59	9 51	0 5
F 20	19 46	18 29	1 25	25 5	2 5	25 38	3 3	5 5	1 44	15 2	0 46	15 42	1 1	9 8	0 35	13 48	0 34	22 23	0 0	15 31	15 21	14 57	9 50	0 5
S 21	20 0	16 0	0 12	24 57	1 56	25 30	3 2	4 52	1 44	15 2	0 46	15 41	1 1	9 7	0 35	13 48	0 34	22 23	0 0	15 31	15 22	14 56	9 49	0 5
S 22	20 13	12 34	1n 3	24 48	1 46	25 21	3 1	4 39	1 45	15 1	0 46	15 41	1 1	9 7	0 35	13 48	0 34	22 23	0 0	15 31	15 23	14 55	9 48	0 5
M 23	20 26	8 27	2 13	24 37	1 34	25 11	3 0	4 27	1 45	15 0	0 47	15 41	1 1	9 6	0 35	13 47	0 34	22 23	0 0	15 31	15 24	14 54	9 47	0 5
T 24	20 38	3 53	3 15	24 23	1 20	25 1	2 58	4 14	1 46	14 59	0 47	15 41	1 1	9 5	0 35	13 47	0 34	22 24	0 0	15 32	15 25	14 52	9 46	0 5
W 25	20 50	0s50	4 5	24 7	1 6	24 50	2 57	4 2	1 46	14 59	0 47	15 41	1 2	9 5	0 35	13 47	0 34	22 24	0 0	15 34	15 26	14 51	9 46	0 5
T 26	21 1	5 28	4 40	23 49	0 49	24 39	2 55	3 49	1 47	14 58	0 47	15 41	1 2	9 4	0 35	13 47	0 34	22 24	0 0	15 36	15 27	14 50	9 45	0 6
F 27	21 12	9 47	4 59	23 28	0 32	24 27	2 53	3 37	1 47	14 58	0 48	15 41	1 2	9 4	0 34	13 46	0 34	22 24	0 0	15 39	15 28	14 49	9 44	0 6
S 28	21 23	13 32	5 1	23 5	0 13	24 15	2 51	3 24	1 48	14 57	0 48	15 41	1 2	9 3	0 34	13 46	0 34	22 24	0n 0	15 43	15 29	14 47	9 43	0 6
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SWISS EPHEMERIS for the year 1682

DECEMBER 1682 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	4 40 42	9°16'26	1°37' 7	13°R55	26°32'23	27°11'12	22°Ω 4	20°R26	24°R38	24°58'58	16°R53	16°R35	17°Ω46	21°58'19	25°R13
W 2	4 44 39	10°17'24	13°30	12°R35	27°22	27°44	22° 5	20°Ω26	24°Y36	24°59	16°52	16°Ω28	17°43	21°25	25°Y11
T 3	4 48 35	11°18'22	25°38	11°12	28°19	28°16	22° 6	20°26	24°35	25° 0	16°51	16°23	17°40	21°32	25° 9
F 4	4 52 32	12°19'22	7°55	9°50	29°16	28°48	22° 7	20°25	24°33	25° 0	16°50	16°20	17°37	21°39	25° 7
S 5	4 56 28	13°20'21	19°25	8°30	0°513	29°19	22° 8	20°25	24°32	25° 1	16°49	16°D20	17°33	21°45	25° 5
S 6	5 0 25	14°21'22	1°12	7°16	1° 9	29°51	22° 8	20°24	24°30	25° 2	16°48	16°21	17°30	21°52	25° 4
M 7	5 4 22	15°22'23	13° 1	6°10	2° 4	0°22	22° 9	20°24	24°29	25° 3	16°47	16°R21	17°27	21°59	25° 2
T 8	5 8 18	16°23'25	24°59	5°12	2°59	0°54	22°R 9	20°23	24°28	25° 5	16°46	16°21	17°24	22° 5	25° 0
W 9	5 12 15	17°24'27	7°Y10	4°26	3°53	1°25	22° 8	20°22	24°27	25° 6	16°45	16°19	17°21	22°12	24°59
T 10	5 16 11	18°25'30	19°39	3°50	4°47	1°56	22° 8	20°21	24°25	25° 7	16°44	16°14	17°18	22°19	24°57
F 11	5 20 8	19°26'33	2°31	3°26	5°39	2°27	22° 8	20°20	24°24	25° 8	16°43	16° 7	17°14	22°25	24°56
S 12	5 24 4	20°27'36	15°47	3°12	6°31	2°57	22° 7	20°19	24°23	25° 9	16°42	15°59	17°11	22°32	24°55
S 13	5 28 1	21°28'40	29°28	3°D 9	7°23	3°28	22° 6	20°18	24°22	25°10	16°40	15°49	17° 8	22°38	24°53
M14	5 31 57	22°29'45	13°I31	3°16	8°13	3°59	22° 5	20°16	24°21	25°12	16°39	15°40	17° 5	22°45	24°52
T 15	5 35 54	23°30'50	27°52	3°32	9° 3	4°29	22° 3	20°15	24°20	25°13	16°38	15°32	17° 2	22°52	24°51
W16	5 39 51	24°31'56	12°25	3°56	9°52	4°59	22° 2	20°13	24°19	25°14	16°37	15°25	16°59	22°58	24°50
T 17	5 43 47	25°33'02	27° 4	4°27	10°40	5°29	22° 0	20°11	24°19	25°16	16°36	15°22	16°55	23° 5	24°49
F 18	5 47 44	26°34'09	11°Ω 4	5° 5	11°27	5°59	21°58	20°10	24°18	25°17	16°35	15°D20	16°52	23°12	24°48
S 19	5 51 40	27°35'16	26°10	5°49	12°13	6°29	21°56	20° 8	24°17	25°18	16°33	15°21	16°49	23°18	24°47
S 20	5 55 37	28°36'24	10°129	6°38	12°59	6°58	21°54	20° 6	24°16	25°20	16°32	15°22	16°46	23°25	24°46
M21	5 59 33	29°37'33	24°36	7°32	13°43	7°28	21°51	20° 4	24°16	25°21	16°31	15°R23	16°43	23°32	24°45
T 22	6 3 30	0°38'42	8°29	8°30	14°26	7°57	21°49	20° 1	24°15	25°23	16°30	15°23	16°39	23°38	24°44
W23	6 7 26	1°39'52	22° 8	9°31	15° 8	8°26	21°46	19°59	24°15	25°24	16°28	15°21	16°36	23°45	24°43
T 24	6 11 23	2°41'03	5°I34	10°36	15°49	8°55	21°43	19°57	24°14	25°26	16°27	15°17	16°33	23°52	24°42
F 25	6 15 20	3°42'13	18°48	11°44	16°28	9°24	21°40	19°54	24°14	25°27	16°26	15°11	16°30	23°58	24°42
S 26	6 19 16	4°43'25	1°A48	12°54	17° 7	9°52	21°36	19°51	24°13	25°29	16°25	15° 4	16°27	24° 5	24°41
S 27	6 23 13	5°44'36	14°36	14° 6	17°44	10°21	21°33	19°49	24°13	25°30	16°23	14°56	16°24	24°12	24°41
M28	6 27 9	6°45'48	27°12	15°20	18°20	10°49	21°29	19°46	24°13	25°32	16°22	14°49	16°20	24°18	24°40
T 29	6 31 6	7°46'59	9°35	16°36	18°54	11°17	21°25	19°43	24°12	25°34	16°21	14°43	16°17	24°25	24°40
W30	6 35 2	8°48'11	21°47	17°54	19°27	11°45	21°21	19°40	24°12	25°35	16°20	14°39	16°14	24°31	24°40
T 31	6 38 59	9°49'23	3°58	19°A13	19°59	12°12	21°Ω 16	19°Ω 37	24°Y12	25°37	16°18	14°Ω 36	16°Ω 11	24°38	24°Y39

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat										
T 1	21s53	19s52	3n36	21s43	0n47	23s35	2s43	2n47	1n50	14n56	0n49	15n42	1n 3	9n 1	0s34	13s45	0s34	22n25	0n 0	15n53	15n32	14s43	9n41	0s 6	
W 2	22 2 20	3 2 46	21 14	1 7 23	20 2 40	2 35 1 50	14 56	0 49	15 42	1 3 9	1 0 34	13 45	0 34	22 25	0 0 15	56 15	33 14	42 9	40 0	6 6					
T 3	22 10 19	17 1 48	20 44	1 27 23	6 2 37	2 23 1 51	14 56	0 49	15 42	1 3 9	0 0 34	13 45	0 34	22 25	0 0 15	57 15	34 14	41 9	39 0	6 6					
F 4	22 19 17	30 0 47	20 14	1 45 22	5 1 34	2 11 1 51	14 56	0 49	15 42	1 3 9	0 0 34	13 44	0 34	22 25	0 0 15	58 15	35 14	39 9	38 0	6 6					
S 5	22 26 15	17 0s17	19 46	2 1 22	35 2 30	1 59 1 52	14 56	0 50	15 43	1 4 8	8 59	0 34	13 44	0 34	22 26	0 0 15	58 15	36 14	38 9	38 0	6 6				
S 6	22 34 12	18 1 19	19 20	2 15 22	19 2 27	1 47 1 52	14 56	0 50	15 43	1 4 8	8 59	0 34	13 44	0 34	22 26	0 1 15	58 15	37 14	37 9	37 0	6 6				
M 7	22 40 8	48 2 18	18 58	2 27 22	3 2 23	1 35 1 53	14 56	0 50	15 43	1 4 8	8 58	0 34	13 43	0 34	22 26	0 1 15	58 15	38 14	35 9	36 0	6 6				
T 8	22 47 4	56 3 12	18 38	2 36 21	46 2 18	1 23 1 53	14 57	0 50	15 44	1 4 8	8 58	0 34	13 43	0 34	22 26	0 1 15	58 15	39 14	34 9	36 0	7 7				
W 9	22 53 0	48 3 58	18 23	2 44 21	29 2 14	1 11 1 54	14 57	0 51	15 44	1 4 8	8 58	0 34	13 43	0 34	22 26	0 1 15	58 15	40 14	33 9	35 0	7 7				
T 10	22 58 3n28	4 34	18 11	2 49 21	12 2 9	0 59 1 54	14 57	0 51	15 45	1 5 8	8 57	0 34	13 42	0 34	22 27	0 1 16	0 15	41 14	31 9	34 0	7 7				
F 11	23 3 7	42 4 57	18 4	2 52 20	54 2 4	0 47 1 55	14 58	0 51	15 45	1 5 8	8 57	0 34	13 42	0 34	22 27	0 1 16	2 15	42 14	30 9	34 0	7 7				
S 12	23 8 11	42 5 6	18 0	2 53 20	36 1 59	0 35 1 56	14 58	0 51	15 46	1 5 8	8 56	0 34	13 41	0 34	22 27	0 1 16	4 15	43 14	29 9	33 0	7 7				
S 13	23 12 15	13 4 57	18 0	2 53 20	18 1 54	0 24 1 56	14 59	0 52	15 47	1 5 8	8 56	0 34	13 41	0 34	22 27	0 1 16	7 15	44 14	27 9	33 0	7 7				
M14	23 16 17	59 4 31	18 3	2 51 19	59 1 48	0 12 1 57	14 59	0 52	15 47	1 5 8	8 56	0 34	13 41	0 34	22 27	0 1 16	10 15	44 14	26 9	32 0	7 7				
T 15	23 19 19	41 3 47	18 9	2 48 19	40 1 43	0 1 1 57	15 0	0 52	15 48	1 6 8	8 55	0 34	13 40	0 34	22 28	0 1 16	12 15	45 14	25 9	32 0	7 7				
W16	23 22 20	7 2 48	18 17	2 44 19	21 1 37	0s11 1 58	15 1	0 52	15 49	1 6 8	8 55	0 34	13 40	0 34	22 28	0 1 16	14 15	46 14	23 9	31 0	7 7				
T 17	23 24 19	12 1 37	18 28	2 39 19	2 1 30	0 22 1 58	15 2	0 53	15 49	1 6 8	8 55	0 34	13 39	0 34	22 28	0 1 16	15 15	47 14	22 9	31 0	7 7				
F 18	23 26 17	0 0 20	18 41	2 33 18	43 1 24	0 34 1 59	15 2	0 53	15 50	1 6 8	8 55	0 34	13 39	0 34	22 28	0 1 16	16 15	48 14	21 9	30 0	7 7				
S 19	23 27 13	44 0n58	18 55	2 26 18	23 1 17	0 45 1 59	15 3	0 53	15 51	1 6 8	8 54	0 34	13 38	0 34	22 28	0 1 16	16 15	49 14	19 9	30 0	7 7				
S 20	23 28 9	41 2 12	19 10	2 19 18	4 1 10	0 56 2 0	15 4	0 53	15 52	1 7 8	8 54	0 34	13 38	0 34	22 29	0 1 16	15 15	50 14	18 9	29 0	7 7				
M21	23 29 5	9 3 16	19 26	2 12 17	44 1 2	1 7 2 1	15 5	0 54	15 53	1 7 8	8 54	0 34	13 37	0 34	22 29	0 2 16	15 15	51 14	17 9	29 0	8 8				
T 22	23 29 0	26 4 8	19 43	2 4 17	24 0 54	1 18 2 1	15 6	0 54	15 53	1 7 8	8 54	0 34	13 37	0 34	22 29	0 2 16	15 15	52 14	15 9	29 0	8 8				
W23	23 28 4s14	4 45	20 0	1 57 17	4 0 46	1 29 2 2	15 8	0 54	15 54	1 7 8	8 54	0 34	13 36	0 34	22 29	0 2 16	16 15	53 14	14 9	28 0	8 8				
T 24	23 27 8	36 5 5	20 17	1 48 16	44 0 38	1 40 2 2	15 9	0 54	15 55	1 7 8	8 53	0 34	13 36	0 34	22 29	0 2 16	17 15	54 14	13 9	28 0	8 8				
F 25	23 26 12	29 5 9	20 35	1 40 16	24 0 30	1 51 2 3	15 10	0 54	15 56	1 8 8	8 53	0 34	13 35	0 34	22 30	0 2 16	19 15	55 14	11 9	28 0	8 8				
S 26	23 24 15	43 4 57	20 52	1 32 16	4 0 21	2 1 2 3	15 11	0 55	15 57	1 8 8	8 53	0 34	13 35	0 34	22 30	0 2 16	21 15	56 14	10 9	27 0	8 8				
S 27	23 21 18	7 4 30	21 9	1 23 15	44 0 12	2 12 2 4	15 13	0 55	15 58	1 8 8	8 53	0 34	13 34	0 34	22 30	0 2 16	23 15	57 14	8 9	27 0	8 8				
M28	23 18 19	37 3 50	21 26	1 15 15	24 0 2	2 23 2 5	15 14</																		