

SWISS EPHEMERIS for the year 1641

JANUARY 1641 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 43 38	11°3'25.1	23°0'43	29°3'0	6°45	7°25	17°34	27°11	6°43	26°40	0°41	19°44	18°27	25°48	25°14
W 2	6 47 35	12°4'01	6°47	29°17	8°0	8°2	17°58	27°16	6°45	26°41	0°41	19°37	18°24	25°55	25°12
T 3	6 51 31	13°5'10	20°4	29°R23	9°15	8°39	18°12	27°22	6°47	26°43	0°40	19°32	18°21	26°1	25°10
F 4	6 55 28	14°6'20	3°34	29°18	10°29	9°16	18°26	27°28	6°49	26°45	0°39	19°30	18°18	26°8	25°8
S 5	6 59 24	15°7'30	17°19	29°1	11°44	9°53	18°40	27°34	6°51	26°47	0°38	19°D29	18°14	26°15	25°6
S 6	7 3 21	16°8'39	1°19	28°32	12°58	10°30	18°54	27°40	6°53	26°48	0°37	19°30	18°11	26°21	25°4
M 7	7 7 17	17°9'49	15°34	27°52	14°13	11°7	19°8	27°46	6°55	26°50	0°37	19°R31	18°8	26°28	25°2
T 8	7 11 14	18°10'58	0°3	27°1	15°27	11°45	19°23	27°52	6°57	26°51	0°36	19°30	18°5	26°34	25°1
W 9	7 15 10	19°12'08	14°42	26°0	16°42	12°22	19°37	27°59	6°58	26°53	0°35	19°28	18°2	26°41	24°59
T 10	7 19 7	20°13'17	29°26	24°52	17°56	12°59	19°51	28°5	7°0	26°54	0°35	19°23	17°59	26°48	24°58
F 11	7 23 4	21°14'26	14°3	23°38	19°10	13°37	20°5	28°11	7°2	26°56	0°34	19°15	17°55	26°54	24°56
S 12	7 27 0	22°15'34	28°41	22°21	20°25	14°14	20°19	28°17	7°3	26°57	0°33	19°5	17°52	27°1	24°55
S 13	7 30 57	23°16'42	12°57	21°3	21°39	14°52	20°33	28°24	7°5	26°59	0°33	18°54	17°49	27°8	24°53
M14	7 34 53	24°17'49	26°50	19°46	22°53	15°29	20°47	28°30	7°6	27°0	0°32	18°43	17°46	27°14	24°52
T 15	7 38 50	25°18'55	10°18	18°33	24°8	16°7	21°1	28°37	7°8	27°2	0°31	18°34	17°43	27°21	24°51
W16	7 42 46	26°20'00	23°19	17°25	25°22	16°44	21°15	28°43	7°9	27°3	0°31	18°27	17°39	27°28	24°50
T 17	7 46 43	27°21'04	5°56	16°24	26°36	17°22	21°29	28°50	7°11	27°4	0°30	18°22	17°36	27°34	24°49
F 18	7 50 39	28°22'07	18°14	15°32	27°50	18°0	21°43	28°56	7°12	27°6	0°30	18°20	17°33	27°41	24°48
S 19	7 54 36	29°23'09	0°15	14°48	29°4	18°38	21°58	29°3	7°13	27°7	0°29	18°D19	17°30	27°48	24°47
S 20	7 58 33	0°24'10	12°6	14°13	0°18	19°15	22°12	29°10	7°14	27°8	0°29	18°R19	17°27	27°54	24°46
M21	8 2 29	1°25'10	23°53	13°47	1°32	19°53	22°26	29°16	7°15	27°10	0°28	18°19	17°24	28°1	24°45
T 22	8 6 26	2°26'09	5°41	13°30	2°46	20°31	22°40	29°23	7°16	27°11	0°28	18°18	17°20	28°8	24°44
W23	8 10 22	3°27'07	17°35	13°21	4°0	21°9	22°54	29°30	7°17	27°12	0°27	18°14	17°17	28°14	24°44
T 24	8 14 19	4°28'03	29°39	13°D21	5°14	21°47	23°8	29°37	7°18	27°13	0°27	18°8	17°14	28°21	24°43
F 25	8 18 15	5°28'58	11°55	13°28	6°28	22°25	23°22	29°44	7°19	27°14	0°26	17°59	17°11	28°27	24°42
S 26	8 22 12	6°29'53	24°26	13°42	7°42	23°3	23°36	29°51	7°20	27°15	0°26	17°47	17°8	28°34	24°42
S 27	8 26 8	7°30'46	7°12	14°3	8°55	23°41	23°49	29°57	7°21	27°16	0°26	17°34	17°5	28°41	24°42
M28	8 30 5	8°31'38	20°13	14°30	10°9	24°19	24°3	0°4	7°22	27°17	0°25	17°20	17°1	28°47	24°41
T 29	8 34 2	9°32'28	3°28	15°2	11°23	24°57	24°17	0°11	7°22	27°18	0°25	17°7	16°58	28°54	24°41
W30	8 37 58	10°33'18	16°54	15°39	12°36	25°35	24°31	0°18	7°23	27°19	0°25	16°57	16°55	29°1	24°41
T 31	8 41 55	11°34'07	0°30	16°31	13°50	26°13	24°35	0°25	7°24	27°20	0°24	16°49	16°52	29°7	24°41

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23s 1	8n49	5s 6	20s24	0s 0	20s14	1s40	3n 1	0n 5	22s32	0s14	13s55	1s32	13s21	0n28	17s49	1n41	8n17	12s18	17s42	17s21	18n36	15n23	3s50
W 2	22 56	4 30	4 53	20 4	0n16	19 55	1 41	3 17	0 6	22 31	0 14	13 53	1 32	13 21	0 28	17 49	1 41	8 17	12 18	17 40	17 20	18 37	15 23	3 50
T 3	22 50	0s 7	4 25	19 46	0 34	19 36	1 41	3 33	0 7	22 29	0 14	13 51	1 32	13 22	0 28	17 49	1 41	8 17	12 18	17 39	17 19	18 38	15 22	3 50
F 4	22 44	4 48	3 41	19 29	0 53	19 16	1 41	3 49	0 9	22 27	0 14	13 49	1 32	13 22	0 28	17 50	1 41	8 17	12 17	17 38	17 18	18 38	15 22	3 50
S 5	22 37	9 20	2 44	19 14	1 11	18 55	1 41	4 5	0 10	22 25	0 15	13 47	1 32	13 23	0 28	17 50	1 41	8 17	12 17	17 38	17 18	18 39	15 22	3 50
S 6	22 30	13 27	1 36	19 1	1 31	18 34	1 41	4 20	0 11	22 23	0 15	13 44	1 32	13 24	0 28	17 50	1 41	8 17	12 17	17 38	17 17	18 40	15 21	3 49
M 7	22 23	16 52	0 21	18 50	1 49	18 12	1 41	4 36	0 12	22 21	0 15	13 42	1 32	13 24	0 28	17 51	1 41	8 18	12 17	17 39	17 16	18 40	15 21	3 49
T 8	22 15	19 17	0n56	18 42	2 8	17 50	1 41	4 52	0 14	22 20	0 15	13 40	1 32	13 25	0 28	17 51	1 41	8 18	12 17	17 38	17 15	18 41	15 21	3 49
W 9	22 6	20 27	2 11	18 37	2 25	17 28	1 40	5 7	0 15	22 18	0 15	13 38	1 32	13 25	0 28	17 51	1 41	8 18	12 16	17 38	17 14	18 42	15 20	3 49
T 10	21 57	20 12	3 17	18 33	2 41	17 4	1 40	5 23	0 16	22 16	0 15	13 36	1 32	13 26	0 28	17 52	1 41	8 18	12 16	17 36	17 13	18 42	15 20	3 49
F 11	21 48	18 36	4 9	18 32	2 55	16 41	1 40	5 39	0 17	22 14	0 15	13 34	1 32	13 27	0 28	17 52	1 41	8 18	12 16	17 34	17 12	18 43	15 20	3 49
S 12	21 38	15 49	4 45	18 33	3 7	16 17	1 39	5 54	0 18	22 12	0 15	13 31	1 32	13 27	0 28	17 52	1 41	8 18	12 16	17 31	17 11	18 44	15 20	3 49
S 13	21 28	12 8	5 2	18 36	3 17	15 52	1 39	6 10	0 19	22 10	0 15	13 29	1 32	13 28	0 28	17 53	1 41	8 18	12 15	17 28	17 10	18 44	15 20	3 49
M14	21 18	7 53	5 1	18 40	3 24	15 27	1 38	6 25	0 20	22 8	0 15	13 27	1 32	13 28	0 28	17 53	1 41	8 18	12 15	17 26	17 10	18 45	15 19	3 48
T 15	21 7	3 22	4 42	18 45	3 28	15 2	1 37	6 41	0 21	22 6	0 15	13 24	1 31	13 28	0 28	17 53	1 41	8 18	12 15	17 23	17 9	18 46	15 19	3 48
W16	20 55	1n10	4 10	18 52	3 31	14 36	1 37	6 56	0 22	22 3	0 16	13 22	1 31	13 29	0 28	17 53	1 41	8 18	12 15	17 21	17 8	18 46	15 19	3 48
T 17	20 44	5 31	3 26	19 0	3 30	14 10	1 36	7 12	0 23	22 1	0 16	13 20	1 31	13 29	0 28	17 54	1 41	8 19	12 14	17 20	17 7	18 47	15 19	3 48
F 18	20 32	9 31	2 33	19 8	3 28	13 44	1 35	7 27	0 24	21 59	0 16	13 18	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 6	18 48	15 19	3 48
S 19	20 19	13 4	1 35	19 17	3 24	13 17	1 34	7 42	0 25	21 57	0 16	13 15	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 5	18 48	15 19	3 48
S 20	20 6	16 1	0 33	19 26	3 18	12 50	1 33	7 58	0 26	21 55	0 16	13 13	1 31	13 30	0 28	17 54	1 42	8 19	12 14	17 19	17 4	18 49	15 19	3 48
M21	19 53	18 18	0s30	19 36	3 11	12 22	1 31	8 13	0 27	21 53	0 16	13 10	1 31	13 31	0 28	17 55	1 42	8 19	12 13	17 19	17 3	18 50	15 19	3 47
T 22	19 39	19 48	1 31	19 46	3 3	11 54	1 30	8 28	0 28	21 51	0 16	13 8	1 31	13 31	0 28	17 55	1 42	8 19	12 13	17 19	17 2	18 50	15 19	3 47
W23	19 25	20 26	2 29	19 56	2 54	11 26	1 29	8 43	0 29	21 48	0 16	13 6	1 31	13 31	0 28	17 55	1 42	8 20	12 13	17 18	17 2	18 51	15 19	3 47
T 24	19 11	20 8	3 21	20 5	2 44	10 58	1 27	8 58	0 30	21 46	0 16	13 3	1 31	13 32	0 28	17 55	1 42	8 20	12 12	17 16	17 1	18 52	15 19	3 47
F 25	18 56	18 54	4 4	20 15	2 34	10 29	1 26	9 13	0 31	21 44	0 17	13 1	1 31	13 32	0 28	17 56	1 42	8 20	12 12	17 13	17 0	18 52	15 19	3 47
S 26	18 41	16 44	4 36	20 24	2 23	10 0	1 24	9 28	0 32	21 42	0 17	12 58	1 31	13 32	0 28	17 56	1 42	8 20	12 12	17 10	16 59	18 53	15 19	3 47
S 27	18 26	13 44	4 56	20 33	2 12	9 31	1 23	9 43	0 33	21 39	0 17	12 56	1 31	13 33	0 28	17 56	1 42	8 20	12 12	17 6	16 58	18 53	15 19	3 46
M28	18 10	10 1	5 0	20 41	2 1	9 2	1 21	9 58	0 34	21 37	0 17	12 53	1 31	13 33	0 28	17 56	1 42	8 21	12 11	17 2	16 57	18 54	15 19	3 46
T 29	17 54	5 46	4 49	2																				

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FEBRUARY 1641 GC

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Day	Sid.t	☉	☽	♂	♀	♁	♂	♆	♁	♃	♄	♅	♆	♇	♈
F 1	8 45 51	12 ³³ 34'54	14 ²¹ 13	17 ³ 6	15 ¹⁸ 3	26 ¹⁷ 51	24 ²⁸ 59	0 ³ 32	7 ¹¹ 24	27 ¹¹ 21	0 ⁰ R24	16 ⁰ R44	16 ¹¹ 49	29 ²⁸ 14	24 ⁰ D41
S 2	8 49 48	13 ³³ 34'41	28 ⁰ 5	17 ⁵ 56	16 ¹⁶ 17	27 ²⁷ 30	25 ²⁵ 12	0 ⁰ 40	7 ²⁵ 25	27 ²² 22	0 ⁰ II24	16 ¹¹ 42	16 ¹⁶ 45	29 ²⁹ 21	24 ²⁸ 41
S 3	8 53 44	14 ³⁶ 27	12 ¹¹ 2	18 ⁰ 49	17 ¹⁷ 30	28 ²⁸ 8	25 ²⁵ 26	0 ⁰ 47	7 ²⁵ 25	27 ²³ 23	0 ⁰ 24	16 ¹⁶ 41	16 ¹⁶ 42	29 ²⁹ 27	24 ²⁴ 41
M 4	8 57 41	15 ³⁷ 12	26 ⁰ 7	19 ¹⁹ 46	18 ¹⁸ 43	28 ²⁸ 46	25 ²⁵ 40	0 ⁰ 54	7 ²⁵ 25	27 ²⁴ 24	0 ⁰ 23	16 ¹⁶ 41	16 ¹⁶ 39	29 ²⁹ 34	24 ²⁴ 41
T 5	9 1 37	16 ³⁷ 56	10 ¹⁰ 17	20 ²⁰ 45	19 ¹⁹ 57	29 ²⁹ 24	25 ²⁵ 54	1 ¹ 1	7 ²⁶ 26	27 ²⁴ 24	0 ⁰ 23	16 ¹⁶ 40	16 ¹⁶ 36	29 ²⁹ 41	24 ²⁴ 41
W 6	9 5 34	17 ³⁸ 38	24 ²⁴ 33	21 ²¹ 47	21 ²¹ 10	0 ⁰ 8 2	26 ²⁶ 7	1 ¹ 8	7 ²⁶ 26	27 ²⁵ 25	0 ⁰ 23	16 ¹⁶ 37	16 ¹⁶ 33	29 ²⁹ 47	24 ²⁴ 42
T 7	9 9 31	18 ³⁹ 20	8 ⁸ 35	22 ²² 51	22 ²² 23	0 ⁰ 41	26 ²⁶ 21	1 ¹ 15	7 ²⁶ 26	27 ²⁶ 26	0 ⁰ 23	16 ¹⁶ 31	16 ¹⁶ 30	29 ²⁹ 54	24 ²⁴ 42
F 8	9 13 27	19 ⁴⁰ 01	23 ²³ 5	23 ²³ 58	23 ²³ 36	1 ¹ 19	26 ²⁶ 34	1 ¹ 22	7 ²⁶ 26	27 ²⁶ 26	0 ⁰ 23	16 ¹⁶ 21	16 ¹⁶ 26	0 ⁰ II 1	24 ²⁴ 43
S 9	9 17 24	20 ⁴⁰ 40	7 ⁷ 13	25 ²⁵ 7	24 ²⁴ 49	1 ¹ 57	26 ²⁶ 48	1 ¹ 30	7 ²⁶ 26	27 ²⁷ 27	0 ⁰ 23	16 ¹⁶ 10	16 ¹⁶ 23	0 ⁰ 7	24 ²⁴ 43
S 10	9 21 20	21 ⁴¹ 17	21 ²¹ 10	26 ²⁶ 18	26 ²⁶ 2	2 ² 35	27 ²⁷ 2	1 ¹ 37	7 ²⁶ R26	27 ²⁸ 28	0 ⁰ 23	15 ¹⁵ 57	16 ¹⁶ 20	0 ⁰ 14	24 ²⁴ 44
M 11	9 25 17	22 ⁴¹ 53	4 ⁴ 49	27 ²⁷ 30	27 ²⁷ 15	3 ³ 14	27 ²⁷ 15	1 ¹ 44	7 ²⁶ 26	27 ²⁸ 28	0 ⁰ 23	15 ¹⁵ 44	16 ¹⁶ 17	0 ⁰ 20	24 ²⁴ 45
T 12	9 29 13	23 ⁴² 28	18 ¹⁸ 8	28 ²⁸ 45	28 ²⁸ 28	3 ³ 52	27 ²⁷ 28	1 ¹ 51	7 ²⁶ 26	27 ²⁹ 29	0 ⁰ 23	15 ¹⁵ 33	16 ¹⁶ 14	0 ⁰ 27	24 ²⁴ 45
W 13	9 33 10	24 ⁴³ 00	1 ¹ 5	0 ⁰ 1	29 ²⁹ 41	4 ⁴ 30	27 ²⁷ 42	1 ¹ 59	7 ²⁶ 26	27 ²⁹ 29	0 ⁰ D23	15 ¹⁵ 23	16 ¹⁶ 11	0 ⁰ 34	24 ²⁴ 46
T 14	9 37 6	25 ⁴³ 31	13 ¹³ 42	1 ¹ 18	0 ⁰ Y53	5 ⁵ 9	27 ²⁷ 55	2 ² 6	7 ²⁶ 26	27 ³⁰ 30	0 ⁰ 23	15 ¹⁵ 17	16 ¹⁶ 7	0 ⁰ 40	24 ²⁴ 47
F 15	9 41 3	26 ⁴⁴ 00	25 ²⁵ 59	2 ² 37	2 ² 6	5 ⁵ 47	28 ²⁸ 8	2 ² 13	7 ²⁶ 26	27 ³⁰ 30	0 ⁰ 23	15 ¹⁵ 13	16 ¹⁶ 4	0 ⁰ 47	24 ²⁴ 48
S 16	9 45 0	27 ⁴⁴ 28	8 ⁸ 2	3 ³ 58	3 ³ 18	6 ⁶ 26	28 ²⁸ 22	2 ² 20	7 ²⁵ 25	27 ³¹ 31	0 ⁰ 23	15 ¹⁵ 12	16 ¹⁶ 1	0 ⁰ 54	24 ²⁴ 49
S 17	9 48 56	28 ⁴⁴ 53	19 ¹⁹ 55	5 ⁵ 20	4 ⁴ 31	7 ⁷ 4	28 ²⁸ 35	2 ² 28	7 ²⁵ 25	27 ³¹ 31	0 ⁰ 23	15 ¹⁵ D12	15 ¹⁵ 58	1 ¹ 0	24 ²⁴ 50
M 18	9 52 53	29 ⁴⁵ 17	1 ¹ II43	6 ⁶ 43	5 ⁵ 43	7 ⁷ 42	28 ²⁸ 48	2 ² 35	7 ²⁵ 25	27 ³¹ 31	0 ⁰ 23	15 ¹⁵ R12	15 ¹⁵ 55	1 ¹ 7	24 ²⁴ 52
T 19	9 56 49	0 ⁰ X45'38	13 ¹³ 32	8 ⁸ 7	6 ⁶ 55	8 ⁸ 21	29 ²⁹ 1	2 ² 42	7 ²⁴ 24	27 ³² 32	0 ⁰ 23	15 ¹⁵ 11	15 ¹⁵ 51	1 ¹ 14	24 ²⁴ 53
W 20	10 0 46	1 ¹ 45'58	25 ²⁵ 28	9 ⁹ 33	8 ⁸ 8	8 ⁸ 59	29 ²⁹ 14	2 ² 50	7 ²⁴ 24	27 ³² 32	0 ⁰ 23	15 ¹⁵ 8	15 ¹⁵ 48	1 ¹ 20	24 ²⁴ 54
T 21	10 4 42	2 ² 46'16	7 ⁷ 34	10 ¹⁰ 59	9 ⁹ 20	9 ⁹ 38	29 ²⁹ 27	2 ² 57	7 ²³ 23	27 ³² 32	0 ⁰ 23	15 ¹⁵ 3	15 ¹⁵ 45	1 ¹ 27	24 ²⁴ 56
F 22	10 8 39	3 ³ 46'31	19 ¹⁹ 56	12 ¹² 27	10 ¹⁰ 32	10 ¹⁰ 16	29 ²⁹ 40	3 ³ 4	7 ²² 22	27 ³² 32	0 ⁰ 24	14 ¹⁴ 56	15 ¹⁵ 42	1 ¹ 34	24 ²⁴ 57
S 23	10 12 35	4 ⁴ 46'45	2 ² II37	13 ¹³ 56	11 ¹¹ 44	10 ¹⁰ 54	29 ²⁹ 53	3 ³ 12	7 ²² 22	27 ³² 32	0 ⁰ 24	14 ¹⁴ 46	15 ¹⁵ 39	1 ¹ 40	24 ²⁴ 59
S 24	10 16 32	5 ⁵ 46'57	15 ¹⁵ 37	15 ¹⁵ 27	12 ¹² 55	11 ¹¹ 33	0 ⁰ 11	3 ³ 19	7 ²¹ 21	27 ³³ 33	0 ⁰ 24	14 ¹⁴ 34	15 ¹⁵ 36	1 ¹ 47	25 ²⁵ 0
M 25	10 20 29	6 ⁶ 47'06	28 ²⁸ 57	16 ¹⁶ 58	14 ¹⁴ 7	12 ¹² 11	0 ⁰ 18	3 ³ 26	7 ²⁰ 20	27 ³³ 33	0 ⁰ 24	14 ¹⁴ 22	15 ¹⁵ 32	1 ¹ 54	25 ²⁵ 2
T 26	10 24 25	7 ⁷ 47'14	12 ¹² II34	18 ¹⁸ 30	15 ¹⁵ 19	12 ¹² 50	0 ⁰ 31	3 ³ 33	7 ¹⁹ 19	27 ³³ 33	0 ⁰ 25	14 ¹⁴ 11	15 ¹⁵ 29	2 ² 0	25 ²⁵ 4
W 27	10 28 22	8 ⁸ 47'20	26 ²⁶ 26	20 ²⁰ 4	16 ¹⁶ 30	13 ¹³ 28	0 ⁰ 43	3 ³ 41	7 ¹⁹ 19	27 ³³ R33	0 ⁰ 25	14 ¹⁴ 2	15 ¹⁵ 26	2 ² 7	25 ²⁵ 6
T 28	10 32 18	9 ⁹ 47'24	10 ¹⁰ 28	21 ²¹ 38	17 ¹⁷ 42	14 ¹⁴ 8	0 ⁰ 56	3 ³ 48	7 ¹⁸ 18	27 ³³ L33	0 ⁰ II25	13 ¹³ II55	15 ¹⁵ II23	2 ² II14	25 ²⁵ 8 7

Day	☉	☽	♂	♀	♁	♂	♆	♁	♃	♄	♅	♆	♇	♈										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
F 1	17s 4	8s 7	2s43	21s 7	1n17	7s 2	1s13	10n57	0n37	21s27	0s17	12s44	1s31	13s34	0n29	17s57	1n42	8n21	12s10	16s52	16s53	18n56	15n19	3s46
S 2	16 46	12 19	1 37	21 11	1 6	6 31	1 11	11 11	0 38	21 25	0 17	12 41	1 31	13 34	0 29	17 57	1 42	8 22	12 10	16 51	16 53	18 57	15 20	3 46
S 3	16 29	15 52	0 25	21 15	0 55	6 1	1 9	11 26	0 39	21 23	0 17	12 39	1 31	13 34	0 29	17 57	1 42	8 22	12 10	16 51	16 52	18 58	15 20	3 45
M 4	16 11	18 31	0n50	21 17	0 45	5 30	1 7	11 40	0 39	21 20	0 18	12 36	1 31	13 34	0 29	17 57	1 42	8 22	12 9	16 51	16 51	18 58	15 20	3 45
T 5	15 53	20 2	1 21	18 0	0 35	4 59	1 5	11 54	0 40	21 18	0 18	12 33	1 31	13 34	0 29	17 57	1 42	8 22	12 9	16 51	16 50	18 59	15 20	3 45
W 6	15 34	20 17	3 6	21 19	0 25	4 28	1 2	12 9	0 41	21 15	0 18	12 31	1 31	13 34	0 29	17 57	1 42	8 23	12 9	16 50	16 49	18 59	15 21	3 45
T 7	15 16	19 13	3 59	21 18	0 15	3 57	1 0	12 23	0 42	21 13	0 18	12 28	1 31	13 34	0 29	17 57	1 43	8 23	12 9	16 48	16 48	19 0	15 21	3 45
F 8	14 57	16 58	4 36	21 16	0 5	3 25	0 57	12 37	0 42	21 10	0 18	12 26	1 31	13 34	0 29	17 58	1 43	8 23	12 8	16 46	16 47	19 0	15 21	3 44
S 9	14 38	13 43	4 57	21 13	0s 4	2 54	0 55	12 51	0 43	21 8	0 18	12 23	1 32	13 34	0 29	17 58	1 43	8 23	12 8	16 42	16 46	19 1	15 21	3 44
S 10	14 18	9 45	4 59	21 9	0 13	2 23	0 52	13 5	0 44	21 5	0 18	12 21	1 32	13 34	0 29	17 58	1 43	8 24	12 8	16 39	16 45	19 2	15 22	3 44
M 11	13 58	5 21	4 44	21 3	0 22	1 51	0 50	13 18	0 44	21 3	0 18	12 18	1 32	13 34	0 29	17 58	1 43	8 24	12 7	16 35	16 44	19 2	15 22	3 44
T 12	13 39	0 48	4 14	20 57	0 30	1 20	0 47	13 32	0 45	21 0	0 19	12 16	1 32	13 34	0 29	17 58	1 43	8 24	12 7	16 32	16 43	19 3	15 22	3 44
W 13	13 18	3n40	3 31	20 49	0 39	0 48	0 44	13 46	0 46	20 58	0 19	12 13	1 32	13 34	0 29	17 58	1 43	8 25	12 7	16 29	16 43	19 3	15 23	3 44
T 14	12 58	7 51	2 39	20 40	0 46	0 16	0 41	13 59	0 46	20 55	0 19	12 10	1 32	13 34	0 29	17 58	1 43	8 25	12 7	16 27	16 42	19 4	15 23	3 43
F 15	12 38	11 37	1 40	20 29	0 54	0n15	0 38	14 13	0 47	20 53	0 19	12 8	1 32	13 34	0 29	17 58	1 43	8 25	12 6	16 26	16 41	19 4	15 23	3 43
S 16	12 17	14 49	0 38	20 17	1 1	0 47	0 35	14 26	0 48	20 50	0 19	12 5	1 32	13 34	0 29	17 58	1 43	8 25	12 6	16 25	16 4			

SWISS EPHEMERIS for the year 1641

MARCH 1641 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	10 36 15	10 ^h 47'27"	24 ^h 36'	23 ^h 14'	18 ^h 53'	14 ^h 45'	1 ^h 8'	3 ^h 55'	7 ^h R17	27 ^h R33	0 ^h II26	13 ^h R51	15 ^h M20	2 ^h II20	25 ^h 8' 9
S 2	10 40 11	11 ^h 47'27"	8 ^h M47	24 ^h 51'	20 ^h 4'	15 ^h 23'	1 ^h 21'	4 ^h 3'	7 ^h M16	27 ^h M33	0 ^h 26'	13 ^h D50	15 ^h 16'	2 ^h 27'	25 ^h 11'
S 3	10 44 8	12 ^h 47'27"	22 ^h 58'	26 ^h 29'	21 ^h 16'	16 ^h 2'	1 ^h 33'	4 ^h 10'	7 ^h 15'	27 ^h 32'	0 ^h 26'	13 ^h M50	15 ^h 13'	2 ^h 33'	25 ^h 13'
M 4	10 48 4	13 ^h 47'24"	7 ^h ♂ 7	28 ^h 8'	22 ^h 27'	16 ^h 40'	1 ^h 45'	4 ^h 17'	7 ^h 13'	27 ^h 32'	0 ^h 27'	13 ^h R50	15 ^h 10'	2 ^h 40'	25 ^h 16'
T 5	10 52 1	14 ^h 47'20"	21 ^h 13'	29 ^h 48'	23 ^h 38'	17 ^h 18'	1 ^h 58'	4 ^h 24'	7 ^h 12'	27 ^h 32'	0 ^h 27'	13 ^h 50'	15 ^h 7'	2 ^h 47'	25 ^h 18'
W 6	10 55 58	15 ^h 47'15"	5 ^h ♁14	1 ^h ♁30	24 ^h 48'	17 ^h 57'	2 ^h 10'	4 ^h 31'	7 ^h 11'	27 ^h 32'	0 ^h 28'	13 ^h 49'	15 ^h 4'	2 ^h 53'	25 ^h 20'
T 7	10 59 54	16 ^h 47'08"	19 ^h 11'	3 ^h 12'	25 ^h 59'	18 ^h 35'	2 ^h 22'	4 ^h 39'	7 ^h 10'	27 ^h 32'	0 ^h 28'	13 ^h 45'	15 ^h 1'	3 ^h 0'	25 ^h 22'
F 8	11 3 51	17 ^h 46'59"	3 ^h ♁ 0	4 ^h 56'	27 ^h 10'	19 ^h 14'	2 ^h 34'	4 ^h 46'	7 ^h 8'	27 ^h 31'	0 ^h 29'	13 ^h 38'	14 ^h 57'	3 ^h 7'	25 ^h 25'
S 9	11 7 47	18 ^h 46'48"	16 ^h 41'	6 ^h 41'	28 ^h 20'	19 ^h 52'	2 ^h 46'	4 ^h 53'	7 ^h 7'	27 ^h 31'	0 ^h 29'	13 ^h 30'	14 ^h 54'	3 ^h 13'	25 ^h 27'
S 10	11 11 44	19 ^h 46'35"	0 ^h ♁11	8 ^h 27'	29 ^h 31'	20 ^h 31'	2 ^h 57'	5 ^h 0'	7 ^h 6'	27 ^h 31'	0 ^h 30'	13 ^h 20'	14 ^h 51'	3 ^h 20'	25 ^h 30'
M 11	11 15 40	20 ^h 46'21"	13 ^h 26'	10 ^h 14'	0 ^h ♁41	21 ^h 9'	3 ^h 9'	5 ^h 7'	7 ^h 4'	27 ^h 30'	0 ^h 30'	13 ^h 11'	14 ^h 48'	3 ^h 27'	25 ^h 32'
T 12	11 19 37	21 ^h 46'04"	26 ^h 27'	12 ^h 3'	1 ^h 51'	21 ^h 47'	3 ^h 21'	5 ^h 14'	7 ^h 3'	27 ^h 30'	0 ^h 31'	13 ^h 2'	14 ^h 45'	3 ^h 33'	25 ^h 35'
W 13	11 23 33	22 ^h 45'45"	9 ^h ♁10	13 ^h 52'	3 ^h 1'	22 ^h 26'	3 ^h 32'	5 ^h 22'	7 ^h 1'	27 ^h 30'	0 ^h 31'	12 ^h 55'	14 ^h 42'	3 ^h 40'	25 ^h 38'
T 14	11 27 30	23 ^h 45'24"	21 ^h 38'	15 ^h 43'	4 ^h 11'	23 ^h 4'	3 ^h 44'	5 ^h 29'	7 ^h 0'	27 ^h 29'	0 ^h 32'	12 ^h 51'	14 ^h 38'	3 ^h 47'	25 ^h 40'
F 15	11 31 26	24 ^h 45'02"	3 ^h ♁51	17 ^h 36'	5 ^h 21'	23 ^h 43'	3 ^h 55'	5 ^h 36'	6 ^h 58'	27 ^h 29'	0 ^h 33'	12 ^h 48'	14 ^h 35'	3 ^h 53'	25 ^h 43'
S 16	11 35 23	25 ^h 44'36"	15 ^h 52'	19 ^h 29'	6 ^h 30'	24 ^h 21'	4 ^h 7'	5 ^h 43'	6 ^h 56'	27 ^h 28'	0 ^h 33'	12 ^h D48	14 ^h 32'	4 ^h 0'	25 ^h 46'
S 17	11 39 20	26 ^h 44'09"	27 ^h 44'	21 ^h 24'	7 ^h 40'	25 ^h 0'	4 ^h 18'	5 ^h 50'	6 ^h 55'	27 ^h 27'	0 ^h 34'	12 ^h 49'	14 ^h 29'	4 ^h 7'	25 ^h 49'
M 18	11 43 16	27 ^h 43'40"	9 ^h II33	23 ^h 20'	8 ^h 49'	25 ^h 38'	4 ^h 29'	5 ^h 57'	6 ^h 53'	27 ^h 27'	0 ^h 35'	12 ^h 50'	14 ^h 26'	4 ^h 13'	25 ^h 52'
T 19	11 47 13	28 ^h 43'08"	21 ^h 22'	25 ^h 17'	9 ^h 58'	26 ^h 16'	4 ^h 40'	6 ^h 4'	6 ^h 51'	27 ^h 26'	0 ^h 35'	12 ^h 52'	14 ^h 22'	4 ^h 20'	25 ^h 55'
W 20	11 51 9	29 ^h 42'34"	3 ^h ♁17	27 ^h 15'	11 ^h 7'	26 ^h 55'	4 ^h 51'	6 ^h 11'	6 ^h 49'	27 ^h 26'	0 ^h 36'	12 ^h R52	14 ^h 19'	4 ^h 27'	25 ^h 58'
T 21	11 55 6	0 ^h ♁41'57"	15 ^h 24'	29 ^h 14'	12 ^h 16'	27 ^h 33'	5 ^h 2'	6 ^h 17'	6 ^h 47'	27 ^h 25'	0 ^h 37'	12 ^h 51'	14 ^h 16'	4 ^h 33'	26 ^h 1'
F 22	11 59 2	1 ^h 41'18"	27 ^h 47'	1 ^h ♁14	13 ^h 25'	28 ^h 11'	5 ^h 12'	6 ^h 24'	6 ^h 46'	27 ^h 24'	0 ^h 38'	12 ^h 47'	14 ^h 13'	4 ^h 40'	26 ^h 4'
S 23	12 2 59	2 ^h 40'37"	10 ^h II30	3 ^h 15'	14 ^h 34'	28 ^h 50'	5 ^h 23'	6 ^h 31'	6 ^h 44'	27 ^h 23'	0 ^h 38'	12 ^h 43'	14 ^h 10'	4 ^h 47'	26 ^h 7'
S 24	12 6 55	3 ^h 39'54"	23 ^h 35'	5 ^h 17'	15 ^h 42'	29 ^h 28'	5 ^h 33'	6 ^h 38'	6 ^h 42'	27 ^h 23'	0 ^h 39'	12 ^h 37'	14 ^h 7'	4 ^h 53'	26 ^h 11'
M 25	12 10 52	4 ^h 39'08"	7 ^h ♁ 5	7 ^h 20'	16 ^h 50'	0 ^h II 7	5 ^h 44'	6 ^h 45'	6 ^h 40'	27 ^h 22'	0 ^h 40'	12 ^h 31'	14 ^h 3'	5 ^h 0'	26 ^h 14'
T 26	12 14 49	5 ^h 38'20"	20 ^h 57'	9 ^h 23'	17 ^h 58'	0 ^h 45'	5 ^h 54'	6 ^h 51'	6 ^h 38'	27 ^h 21'	0 ^h 41'	12 ^h 25'	14 ^h 0'	5 ^h 6'	26 ^h 17'
W 27	12 18 45	6 ^h 37'29"	5 ^h ♁ 9	11 ^h 27'	19 ^h 6'	1 ^h 23'	6 ^h 4'	6 ^h 58'	6 ^h 36'	27 ^h 20'	0 ^h 42'	12 ^h 20'	13 ^h 57'	5 ^h 13'	26 ^h 21'
T 28	12 22 42	7 ^h 36'37"	19 ^h 35'	13 ^h 31'	20 ^h 14'	2 ^h 2'	6 ^h 14'	7 ^h 5'	6 ^h 33'	27 ^h 19'	0 ^h 43'	12 ^h 16'	13 ^h 54'	5 ^h 20'	26 ^h 24'
F 29	12 26 38	8 ^h 35'43"	4 ^h M10	15 ^h 34'	21 ^h 21'	2 ^h 40'	6 ^h 24'	7 ^h 11'	6 ^h 31'	27 ^h 18'	0 ^h 43'	12 ^h 14'	13 ^h 51'	5 ^h 26'	26 ^h 28'
S 30	12 30 35	9 ^h 34'47"	18 ^h 48'	17 ^h 37'	22 ^h 29'	3 ^h 18'	6 ^h 34'	7 ^h 18'	6 ^h 29'	27 ^h 17'	0 ^h 44'	12 ^h D14	13 ^h 47'	5 ^h 33'	26 ^h 31'
S 31	12 34 31	10 ^h ♁33'49"	3 ^h ♁22	19 ^h ♁40	23 ^h ♁36	3 ^h II56	6 ^h ♁44	7 ^h ♁24	6 ^h M27	27 ^h M16	0 ^h II45	12 ^h M15	13 ^h M44	5 ^h II40	26 ^h ♁35

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	7s32	11s 7	1s41	15s45	2s 4	7n32	0n 8	17n10	0n55	20s17	0s21	11s32	1s33	13s31	0n29	17s58	1n44	8n30	12s 2	16s 2	16s28	19n11	15n31	3s41
S 2	7 9	14 53	0 27	15 15	2 7	8 3	0 12	17 22	0 55	20 14	0 21	11 29	1 33	13 30	0 29	17 58	1 44	8 30	12 2	16 1	16 27	19 12	15 31	3 41
S 3	6 46	17 46	0n49	14 44	2 9	8 33	0 15	17 33	0 56	20 11	0 21	11 26	1 33	13 30	0 29	17 58	1 44	8 30	12 2	16 1	16 26	19 12	15 32	3 41
M 4	6 23	19 33	2 14	14 11	2 10	9 3	0 19	17 45	0 56	20 9	0 21	11 24	1 33	13 30	0 29	17 58	1 44	8 31	12 1	16 1	16 25	19 13	15 33	3 41
T 5	6 0	20 6	3 6	13 36	2 11	9 33	0 23	17 56	0 57	20 6	0 21	11 21	1 33	13 29	0 29	17 58	1 44	8 31	12 1	16 1	16 24	19 13	15 33	3 40
W 6	5 37	19 23	4 0	13 1	2 12	10 1	0 26	18 8	0 57	20 4	0 21	11 19	1 33	13 29	0 29	17 57	1 44	8 31	12 1	16 1	16 23	19 14	15 34	3 40
T 7	5 14	17 31	4 38	12 24	2 12	10 31	0 30	18 19	0 58	20 1	0 21	11 16	1 33	13 28	0 29	17 57	1 44	8 32	12 0	16 0	16 22	19 14	15 35	3 40
F 8	4 50	14 39	5 0	11 46	2 12	11 1	0 34	18 30	0 58	19 59	0 22	11 13	1 33	13 28	0 29	17 57	1 44	8 32	12 0	15 58	16 21	19 15	15 35	3 40
S 9	4 27	11 1	5 5	11 6	2 11	11 29	0 38	18 41	0 58	19 56	0 22	11 11	1 33	13 27	0 29	17 57	1 44	8 33	12 0	15 55	16 20	19 15	15 36	3 40
S 10	4 3	6 52	4 53	10 25	2 10	11 58	0 42	18 51	0 59	19 53	0 22	11 8	1 33	13 27	0 29	17 57	1 44	8 33	12 0	15 52	16 19	19 15	15 37	3 40
M 11	3 40	2 27	4 25	9 43	2 8	12 26	0 45	19 2	0 59	19 51	0 22	11 6	1 33	13 26	0 29	17 57	1 44	8 33	11 59	15 49	16 18	19 16	15 37	3 40
T 12	3 16	2n 0	3 43	9 0	2 6	12 55	0 49	19 12	1 0	19 48	0 22	11 3	1 33	13 26	0 29	17 57	1 44	8 34	11 59	15 47	16 17	19 16	15 38	3 39
W 13	2 53	6 16	2 51	8 15	2 3	13 22	0 53	19 23	1 0	19 46	0 22	11 1	1 34	13 25	0 29	17 57	1 44	8 34	11 59	15 45	16 17	19 17	15 39	3 39
T 14	2 29	10 11	1 52	7 29	2 0	13 50	0 57																	

SWISS EPHEMERIS for the year 1641

APRIL 1641 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
M 1	12 38 28	11°32'49	17°48	21°41	24°43	4°35	6°54	7°31	6°R25	27°R15	0°46	12°17	13°41	5°46	26°39
T 2	12 42 24	12°31'48	2°3	23°41	25°50	5°13	7°3	7°37	6°M23	27°M14	0°47	12°18	13°38	5°53	26°42
W 3	12 46 21	13°30'45	16°5	25°39	26°56	5°51	7°13	7°44	6°20	27°13	0°48	12°R18	13°35	6°0	26°46
T 4	12 50 18	14°29'40	29°53	27°36	28°3	6°30	7°22	7°50	6°18	27°12	0°49	12°18	13°32	6°6	26°50
F 5	12 54 14	15°28'33	13°27	29°29	29°9	7°8	7°31	7°57	6°16	27°11	0°50	12°15	13°28	6°13	26°54
S 6	12 58 11	16°27'25	26°46	1°20	0°15	7°46	7°40	8°3	6°13	27°10	0°51	12°12	13°25	6°20	26°57
S 7	13 2 7	17°26'14	9°52	3°8	1°21	8°24	7°49	8°9	6°11	27°9	0°52	12°8	13°22	6°26	27°1
M 8	13 6 4	18°25'02	22°44	4°52	2°26	9°3	7°58	8°15	6°9	27°8	0°53	12°5	13°19	6°33	27°5
T 9	13 10 0	19°23'48	5°22	6°32	3°31	9°41	8°7	8°21	6°6	27°7	0°54	12°1	13°16	6°40	27°9
W10	13 13 57	20°22'32	17°48	8°9	4°36	10°19	8°15	8°27	6°4	27°5	0°55	11°59	13°13	6°46	27°13
T 11	13 17 53	21°21'14	0°3	9°41	5°41	10°57	8°24	8°33	6°2	27°4	0°56	11°57	13°9	6°53	27°17
F 12	13 21 50	22°19'54	12°7	11°9	6°46	11°35	8°32	8°39	5°59	27°3	0°57	11°D56	13°6	7°0	27°21
S 13	13 25 46	23°18'32	24°3	12°32	7°50	12°14	8°40	8°45	5°57	27°2	0°58	11°57	13°3	7°6	27°25
S 14	13 29 43	24°17'08	5°53	13°50	8°54	12°52	8°48	8°51	5°54	27°0	1°0	11°58	13°0	7°13	27°30
M15	13 33 40	25°15'42	17°41	15°3	9°58	13°30	8°56	8°57	5°52	26°59	1°1	11°59	12°57	7°20	27°34
T 16	13 37 36	26°14'14	29°30	16°12	11°1	14°8	9°4	9°3	5°49	26°58	1°2	12°1	12°53	7°26	27°38
W17	13 41 33	27°12'44	11°26	17°15	12°5	14°46	9°11	9°8	5°47	26°57	1°3	12°2	12°50	7°33	27°42
T 18	13 45 29	28°11'11	23°31	18°12	13°7	15°25	9°19	9°14	5°44	26°55	1°4	12°R 3	12°47	7°40	27°46
F 19	13 49 26	29°9'36	5°52	19°5	14°10	16°3	9°26	9°20	5°42	26°54	1°5	12°3	12°44	7°46	27°51
S 20	13 53 22	0°7'59	18°32	19°52	15°12	16°41	9°33	9°25	5°39	26°52	1°7	12°2	12°41	7°53	27°55
S 21	13 57 19	1°6'20	1°35	20°33	16°14	17°19	9°40	9°31	5°37	26°51	1°8	12°1	12°38	8°0	27°59
M22	14 1 15	2°4'39	15°4	21°9	17°16	17°57	9°47	9°36	5°34	26°50	1°9	12°0	12°34	8°6	28°4
T 23	14 5 12	3°2'56	28°59	21°39	18°17	18°35	9°54	9°41	5°32	26°48	1°10	11°58	12°31	8°13	28°8
W24	14 9 9	4°1'11	13°18	22°4	19°18	19°13	10°0	9°47	5°29	26°47	1°11	11°58	12°28	8°20	28°13
T 25	14 13 5	4°59'24	27°58	22°23	20°19	19°51	10°7	9°52	5°27	26°45	1°13	11°57	12°25	8°26	28°17
F 26	14 17 2	5°57'35	12°52	22°36	21°19	20°30	10°13	9°57	5°24	26°44	1°14	11°D57	12°22	8°33	28°22
S 27	14 20 58	6°55'44	27°53	22°44	22°19	21°8	10°19	10°2	5°21	26°42	1°15	11°57	12°19	8°39	28°26
S 28	14 24 55	7°53'52	12°51	22°R47	23°18	21°46	10°25	10°7	5°19	26°41	1°16	11°57	12°15	8°46	28°31
M29	14 28 51	8°51'58	27°40	22°44	24°17	22°24	10°31	10°12	5°16	26°39	1°18	11°58	12°12	8°53	28°35
T 30	14 32 48	9°50'03	12°31	22°37	25°15	23°11	10°36	10°17	5°14	26°38	1°19	11°58	12°9	8°59	28°40

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	4n35	19s54	3n 3	8n49	0n23	21n 0	2n 5	22n11	1n 6	19s 0	0s25	10s15	1s36	13s13	0n29	17s52	1n45	8n42	11s54	15s33	15s59	19n24	15n55	3s37
T 2	4 58	19 28	4 0	9 44	0 34	21 20	2 9	22 18	1 7	18 57	0 26	10 12	1 36	13 13	0 29	17 52	1 45	8 42	11 54	15 33	15 58	19 24	15 56	3 37
W 3	5 21	17 51	4 42	10 38	0 45	21 39	2 12	22 25	1 7	18 55	0 26	10 10	1 36	13 12	0 29	17 52	1 45	8 42	11 54	15 34	15 57	19 25	15 57	3 37
T 4	5 43	15 13	5 7	11 31	0 57	21 58	2 16	22 32	1 7	18 53	0 26	10 8	1 36	13 11	0 29	17 52	1 45	8 43	11 53	15 33	15 56	19 25	15 58	3 37
F 5	6 6	11 48	5 14	12 22	1 8	22 16	2 19	22 39	1 7	18 51	0 26	10 6	1 36	13 10	0 29	17 51	1 45	8 43	11 53	15 33	15 55	19 25	15 59	3 37
S 6	6 29	7 51	5 4	13 12	1 19	22 34	2 22	22 45	1 8	18 49	0 26	10 4	1 36	13 10	0 29	17 51	1 45	8 44	11 53	15 32	15 54	19 26	16 0	3 37
S 7	6 52	3 35	4 38	13 59	1 30	22 51	2 26	22 52	1 8	18 46	0 26	10 1	1 37	13 9	0 29	17 51	1 46	8 44	11 53	15 30	15 53	19 26	16 1	3 37
M 8	7 14	0n46	3 59	14 45	1 40	23 7	2 29	22 58	1 8	18 44	0 27	9 59	1 37	13 8	0 29	17 51	1 46	8 44	11 53	15 29	15 52	19 26	16 2	3 37
T 9	7 36	5 1	3 8	15 28	1 50	23 23	2 32	23 4	1 8	18 42	0 27	9 57	1 37	13 7	0 29	17 50	1 46	8 45	11 52	15 28	15 51	19 27	16 2	3 37
W10	7 59	8 59	2 9	16 8	2 0	23 39	2 35	23 10	1 9	18 40	0 27	9 55	1 37	13 6	0 29	17 50	1 46	8 45	11 52	15 27	15 50	19 27	16 3	3 37
T 11	8 21	12 32	1 5	16 46	2 8	23 53	2 38	23 16	1 9	18 38	0 27	9 53	1 37	13 6	0 29	17 50	1 46	8 46	11 52	15 27	15 49	19 27	16 4	3 37
F 12	8 43	15 29	0s 1	17 22	2 16	24 8	2 41	23 21	1 9	18 36	0 27	9 51	1 37	13 5	0 29	17 49	1 46	8 46	11 52	15 27	15 48	19 28	16 5	3 37
S 13	9 4	17 45	1 6	17 55	2 24	24 21	2 44	23 27	1 9	18 34	0 27	9 49	1 38	13 4	0 29	17 49	1 46	8 46	11 52	15 27	15 47	19 28	16 6	3 37
S 14	9 26	19 13	2 9	18 25	2 30	24 35	2 47	23 32	1 9	18 32	0 28	9 46	1 38	13 3	0 29	17 49	1 46	8 47	11 51	15 27	15 46	19 28	16 7	3 36
M15	9 47	19 50	3 5	18 52	2 36	24 47	2 50	23 37	1 10	18 30	0 28	9 44	1 38	13 2	0 29	17 48	1 46	8 47	11 51	15 28	15 45	19 28	16 8	3 36
T 16	10 9	19 35	3 54	19 17	2 41	24 59	2 53	23 42	1 10	18 29	0 28	9 42	1 38	13 2	0 29	17 48	1 46	8 48	11 51	15 28	15 44	19 29	16 9	3 36
W17	10 30	18 27	4 33	19 39	2 45	25 10	2 55	23 46	1 10	18 27	0 28	9 40	1 38	13 1	0 29	17 48	1 46	8 48	11 51	15 29	15 43	19 29	16 10	3 36
T 18	10 51	16 29	5 1	19 58	2 48	25 21	2 58	23 51	1 10	18 25	0 28	9 38	1 38	13 0	0 29	17 47	1 46	8 48	11 51	15 29	15 42	19 29	16 11	3 36
F 19	11 12	13 45	5 15	20 14	2 50	25 31	3 0	23 55	1 10	18 23	0 29	9 37	1 39	12 59	0 29	17 47	1 46	8 49	11 51	15 29	15 41	19 30	16 12	3 36
S 20	11 32	10 18	5 15	20 28	2 50	25 41	3 2	23 59	1 10	18 21	0 29	9 35	1 39	12 58	0 29	17 47	1 46	8 49	11 50	15 28	15 40	19 30	16 13	3 36
S 21	11 53	6 16	4 59	20 39	2 50	25 50	3 5	24 3	1 11	18 20	0 29	9 33	1 39	12 57	0 29	17 46	1 46	8 49	11 50	15 28	15 39	19 30	16 14	3 36
M22	12 13	1 48	4 26	20 47	2 48	25 58	3 7	24 7	1 11	18 18	0 29	9 31	1 39	12 57	0 29	17 46	1 46	8 50	11 50	15 28	15 38	19 30	16 15	3 36
T 23	12 33	2s54	3 37	20 53	2 46	26 6	3 9	24 10	1 11	18 16	0 29	9 29	1 39	12 56	0 29	17 46	1 46	8 50	11 50	15 27	15 37	19 31	16 16	3 36
W24	12 53	7 36	2 33	20 55	2 42	26 13	3 11	24 14	1 11	18 15	0 30	9 27	1 39	12 55	0 29	17 45	1 46	8 51	11 50	15 27	15 36	19 31	16 17	3 36
T 25	13 13	11 58	1 17	20 56	2 37	26 20	3 13	24 17	1 11	18 13	0 30	9 25	1 40	12 54	0 29	17 45	1 46	8 51	11 50	15 27	15 36	19 31	16 18	3 36
F 26	13 32	15 39	0n 5	20 53	2 31	26 26	3 14	24 20	1 11	18 12	0 30	9 24	1 40	12 53	0 29	17 44	1 46	8 51	11 49	15 27	15 35	19 31	16 19	3 36
S 27	13 51	18 18	1 27	20 48	2 23	26 31	3 16	24 23	1 11	18 10	0 30	9 22	1 40	12 52	0 29	17 44	1 46	8 52	11 49	15 27	15 34	19 32	16 20	3 36
S 28	14 10	19 41	2 44	20 40	2 14	26 36	3 17	24 25	1 12	18 9	0 30	9 20	1 40	12 52	0 29	17 44	1 46	8 52	11 49	15 27	15 33	19 32	16 21	3 36
M29	14 29	19 40	3 48	20 30	2 4	26 40	3 19	24 28	1 12	18 8	0 31	9 18	1 40	12 51	0 29	17 43	1 46	8 52	11 49	15 27	15 32	19 32	16 22	3 36
T 30	14n47	18s20	4n36	20n17	1n53	26n44	3n																	

SWISS EPHEMERIS for the year 1641

MAY 1641 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	14 36 44	10♁8'07	26♁25	22°R25	26♁13	23♁40	10♁42	10♁22	5°R11	26°R36	1♁20	11♁58	12♁ 6	9♁ 6	28♁44
T 2	14 40 41	11°46'09	10♁16	22♁ 8	27°11	24°18	10°47	10°26	5♁ 9	26♁35	1°22	11°58	12° 3	9°13	28°49
F 3	14 44 38	12°44'10	23°45	21°47	28° 8	24°56	10°52	10°31	5° 6	26°33	1°23	11°58	11°59	9°19	28°53
S 4	14 48 34	13°42'09	6♁54	21°22	29° 5	25°34	10°57	10°36	5° 4	26°31	1°24	11°58	11°56	9°26	28°58
S 5	14 52 31	14°40'07	19°45	20°54	0♁ 1	26°12	11° 2	10°40	5° 1	26°30	1°25	11°58	11°53	9°33	29° 3
M 6	14 56 27	15°38'04	2♁19	20°24	0°57	26°50	11° 7	10°44	4°59	26°28	1°27	11°59	11°50	9°39	29° 7
T 7	15 0 24	16°35'59	14°40	19°51	1°52	27°28	11°11	10°49	4°56	26°27	1°28	11°59	11°47	9°46	29°12
W 8	15 4 20	17°33'53	26°51	19°17	2°47	28° 6	11°15	10°53	4°54	26°25	1°29	12° 0	11°44	9°53	29°17
T 9	15 8 17	18°31'45	8♁52	18°42	3°41	28°44	11°20	10°57	4°51	26°23	1°31	12°R 0	11°40	9°59	29°21
F 10	15 12 13	19°29'36	20°47	18° 6	4°34	29°22	11°23	11° 1	4°49	26°22	1°32	12° 0	11°37	10° 6	29°26
S 11	15 16 10	20°27'26	2♁38	17°31	5°27	29°59	11°27	11° 5	4°47	26°20	1°33	11°59	11°34	10°13	29°31
S 12	15 20 7	21°25'14	14°26	16°56	6°20	0♁38	11°31	11° 9	4°44	26°19	1°35	11°58	11°31	10°19	29°36
M13	15 24 3	22°23'01	26°15	16°24	7°11	1°16	11°34	11°13	4°42	26°17	1°36	11°57	11°28	10°26	29°40
T 14	15 28 0	23°20'46	8♁ 6	15°53	8° 2	1°54	11°37	11°17	4°39	26°15	1°37	11°55	11°25	10°33	29°45
W15	15 31 56	24°18'29	20° 4	15°24	8°52	2°32	11°40	11°21	4°37	26°14	1°39	11°54	11°21	10°39	29°50
T 16	15 35 53	25°16'11	2♁10	14°59	9°42	3°10	11°43	11°24	4°35	26°12	1°40	11°52	11°18	10°46	29°55
F 17	15 39 49	26°13'52	14°30	14°37	10°31	3°48	11°46	11°28	4°32	26°11	1°41	11°51	11°15	10°53	29°59
S 18	15 43 46	27°11'30	27° 7	14°19	11°19	4°25	11°48	11°31	4°30	26° 9	1°43	11°D51	11°12	10°59	0♁ 4
S 19	15 47 42	28° 9'07	10♁ 5	14° 4	12° 6	5° 3	11°51	11°35	4°28	26° 7	1°44	11°51	11° 9	11° 6	0° 9
M20	15 51 39	29° 6'43	23°27	13°54	12°52	5°41	11°53	11°38	4°26	26° 6	1°46	11°52	11° 5	11°13	0°14
T 21	15 55 36	0♁ 4'17	7♁15	13°48	13°37	6°19	11°55	11°41	4°23	26° 4	1°47	11°53	11° 2	11°19	0°19
W22	15 59 32	1° 1'50	21°30	13°D46	14°22	6°57	11°57	11°44	4°21	26° 2	1°48	11°55	10°59	11°26	0°23
T 23	16 3 29	1°59'21	6♁ 9	13°49	15° 5	7°35	11°58	11°47	4°19	26° 1	1°50	11°R55	10°56	11°33	0°28
F 24	16 7 25	2°56'52	21° 8	13°56	15°48	8°13	11°59	11°50	4°17	25°59	1°51	11°55	10°53	11°39	0°33
S 25	16 11 22	3°54'21	6♁19	14° 8	16°30	8°51	12° 1	11°53	4°15	25°58	1°52	11°54	10°50	11°46	0°38
S 26	16 15 18	4°51'49	21°32	14°24	17°10	9°28	12° 2	11°56	4°13	25°56	1°54	11°52	10°46	11°53	0°42
M27	16 19 15	5°49'16	6♁38	14°45	17°49	10° 6	12° 2	11°59	4°11	25°54	1°55	11°49	10°43	11°59	0°47
T 28	16 23 11	6°46'42	21°28	15°10	18°28	10°44	12° 3	12° 1	4° 9	25°53	1°56	11°46	10°40	12° 6	0°52
W29	16 27 8	7°44'08	5♁55	15°40	19° 5	11°22	12° 3	12° 4	4° 7	25°51	1°58	11°43	10°37	12°13	0°57
T 30	16 31 5	8°41'32	19°55	16°13	19°40	12° 0	12° 4	12° 6	4° 5	25°50	1°59	11°40	10°34	12°19	1° 2
F 31	16 35 1	9♁38'56	3♁29	16♁51	20♁15	12♁38	12°R 4	12♁ 8	4♁ 3	25♁48	2♁ 1	11♁39	10♁30	12♁26	1♁ 6

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	15n 6	15s54	5n 6	20n 2	1n41	26n47	3n21	24n32	1n12	18s 5	0s31	9s15	1s41	12s49	0n29	17s43	1n46	8n53	11s49	15s27	15s30	19n33	16n24	3s36
T 2	15 24	12 36	5 18	19 45	1 28	26 49	3 22	24 34	1 12	18 4	0 31	9 13	1 41	12 48	0 29	17 42	1 46	8 54	11 49	15 27	15 29	19 33	16 25	3 36
F 3	15 41	8 44	5 11	19 26	1 14	26 51	3 23	24 35	1 12	18 2	0 31	9 12	1 41	12 47	0 29	17 42	1 46	8 54	11 49	15 27	15 28	19 33	16 26	3 36
S 4	15 59	4 32	4 48	19 5	0 58	26 52	3 24	24 37	1 12	18 1	0 32	9 10	1 41	12 47	0 29	17 42	1 46	8 54	11 48	15 27	15 27	19 33	16 27	3 36
S 5	16 16	0 13	4 12	18 42	0 43	26 53	3 24	24 38	1 12	18 0	0 32	9 9	1 42	12 46	0 29	17 41	1 46	8 55	11 48	15 27	15 26	19 33	16 28	3 36
M 6	16 33	4n 2	3 23	18 18	0 26	26 53	3 24	24 39	1 13	17 59	0 32	9 7	1 42	12 45	0 29	17 41	1 46	8 55	11 48	15 28	15 25	19 34	16 29	3 36
T 7	16 50	8 2	2 26	17 53	0 9	26 53	3 25	24 40	1 13	17 58	0 32	9 6	1 42	12 44	0 29	17 40	1 46	8 55	11 48	15 28	15 24	19 34	16 30	3 36
W 8	17 6	11 40	1 23	17 27	0s 8	26 52	3 25	24 41	1 13	17 57	0 33	9 4	1 42	12 43	0 29	17 40	1 46	8 56	11 48	15 28	15 23	19 34	16 31	3 36
T 9	17 22	14 45	0 17	17 0	0 26	26 50	3 25	24 41	1 13	17 56	0 33	9 3	1 42	12 42	0 29	17 40	1 46	8 56	11 48	15 28	15 22	19 34	16 32	3 36
F 10	17 38	17 12	0s49	16 34	0 43	26 48	3 24	24 42	1 13	17 55	0 33	9 2	1 43	12 42	0 29	17 39	1 46	8 56	11 48	15 28	15 21	19 34	16 33	3 37
S 11	17 54	18 54	1 52	16 7	1 1	26 46	3 24	24 42	1 13	17 55	0 33	9 0	1 43	12 41	0 29	17 39	1 46	8 57	11 48	15 28	15 20	19 35	16 33	3 37
S 12	18 9	19 45	2 51	15 41	1 18	26 43	3 23	24 42	1 13	17 54	0 33	8 59	1 43	12 40	0 29	17 39	1 46	8 57	11 48	15 27	15 19	19 35	16 34	3 37
M13	18 24	19 44	3 42	15 16	1 34	26 39	3 22	24 42	1 13	17 53	0 34	8 58	1 43	12 39	0 29	17 38	1 46	8 57	11 48	15 27	15 18	19 35	16 35	3 37
T 14	18 39	18 51	4 23	14 52	1 50	26 35	3 21	24 41	1 13	17 52	0 34	8 56	1 44	12 38	0 29	17 38	1 46	8 58	11 48	15 26	15 17	19 35	16 36	3 37
W15	18 53	17 8	4 54	14 29	2 5	26 31	3 20	24 41	1 13	17 52	0 34	8 55	1 44	12 38	0 29	17 37	1 46	8 58	11 47	15 26	15 16	19 35	16 37	3 37
T 16	19 7	14 38	5 12	14 8	2 20	26 26	3 19	24 40	1 13	17 51	0 34	8 54	1 44	12 37	0 29	17 37	1 46	8 58	11 47	15 26	15 15	19 35	16 38	3 37
F 17	19 21	11 28	5 16	13 49	2 33	26 21	3 17	24 39	1 13	17 51	0 35	8 53	1 44	12 36	0 29	17 37	1 46	8 59	11 47	15 25	15 14	19 36	16 39	3 37
S 18	19 34	7 42	5 5	13 32	2 45	26 15	3 16	24 38	1 13	17 50	0 35	8 52	1 44	12 35	0 29	17 36	1 46	8 59	11 47	15 25	15 13	19 36	16 40	3 37
S 19	19 47	3 29	4 39	13 17	2 57	26 9	3 14	24 37	1 13	17 50	0 35	8 51	1 45	12 35	0 29	17 36	1 46	8 59	11 47	15 25	15 12	19 36	16 41	3 37
M20	20 0	1s 1	3 57	13 4	3 7	26 2	3 11	24 35	1 13	17 49	0 35	8 50	1 45	12 34	0 29	17 36	1 46	9 0	11 47	15 25	15 11	19 36	16 42	3 37
T 21	20 12	5 38	3 0	12 53	3 16	25 55	3 9	24 33	1 14	17 49	0 35	8 49	1 45	12 33	0 29	17 35	1 46	9 0	11 47	15 26	15 10	19 36	16 43	3 37
W22	20 24	10 6	1 51	12 45	3 24	25 48	3 6	24 32	1 14	17 49	0 36	8 48	1 45	12 33	0 29	17 35	1 46	9 0	11 47	15 26	15 9	19 36	16 44	3 37
T 23	20 36	14 6	0 32	12 39	3 31	25 40	3 3	24 29	1 14	17 49	0 36	8 47	1 46	12 32	0 29	17 34	1 46	9 0	11 47	15 26	15 8	19 36	16 44	3 37
F 24	20 47	17 16	0n51	12 36	3 37	25 32	3 0	24 27	1 14	17 48	0 36	8 46	1 46	12 31	0 29	17 34	1 46	9 1	11 47	15 26	15 7	19 37	16 45	3 38
S 25	20 58	19 15	2 11	12 35	3 42	25 23	2 57	24 25	1 14	17 48	0 36	8 45	1 46	12 30	0 29	17 34	1 46	9 1	11 47	15 26	15 6	19 37	16 46	3 38
S 26	21 9	19 52	3 21	12 36	3 45	25 15	2 53	24 22	1 14	17 48	0 37	8 44	1 46	12 30	0 29	17 33	1 46	9 1	11 47	15 25	15 5	19 37	16 47	3 38
M27	21 19	19 2	4 17	12 40	3 48	25 5	2 49	24 19	1 14	17 48	0 37	8 43	1 46	12 29	0 29	17 33	1 46	9 2	11 47	15 24	15 4	19 37	16 48	3 38
T 28	21 29	16 55	4 55	12 45	3 49	24 56	2 45	24 16	1 14	17 48	0 37	8 43	1 47	12 28	0 29	17 33	1 46	9						

SWISS EPHEMERIS for the year 1641

JUNE 1641 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	16 38 58	10II36'20	16K36	17U32	20E48	13E16	12°R 4	12K11	4°R 1	25°R46	2II 2	11°D39	10M27	12II33	1II11
S 2	16 42 54	11°33'43	29°21	18°18	21°20	13°53	12≈ 3	12°13	3M59	25M45	2° 3	11M40	10°24	12°39	1°16
M 3	16 46 51	12°31'05	11Y47	19° 7	21°51	14°31	12° 3	12°15	3°57	25°43	2° 5	11°42	10°21	12°46	1°21
T 4	16 50 47	13°28'27	23°58	20° 0	22°20	15° 9	12° 2	12°17	3°56	25°42	2° 6	11°43	10°18	12°53	1°25
W 5	16 54 44	14°25'48	5U58	20°57	22°47	15°47	12° 1	12°18	3°54	25°40	2° 7	11°R45	10°15	12°59	1°30
T 6	16 58 40	15°23'08	17°51	21°58	23°13	16°25	12° 0	12°20	3°52	25°39	2° 9	11°45	10°11	13° 6	1°35
F 7	17 2 37	16°20'28	29°40	23° 1	23°37	17° 2	11°59	12°22	3°50	25°37	2°10	11°43	10° 8	13°13	1°39
S 8	17 6 34	17°17'48	11II28	24° 9	24° 0	17°40	11°57	12°23	3°49	25°36	2°11	11°40	10° 5	13°19	1°44
S 9	17 10 30	18°15'06	23°17	25°19	24°20	18°18	11°55	12°25	3°47	25°34	2°13	11°35	10° 2	13°26	1°49
M10	17 14 27	19°12'25	5E 9	26°33	24°39	18°56	11°54	12°26	3°46	25°33	2°14	11°29	9°59	13°33	1°53
T 11	17 18 23	20° 9'42	17° 6	27°50	24°56	19°34	11°51	12°27	3°44	25°31	2°15	11°22	9°56	13°39	1°58
W12	17 22 20	21° 6'59	29° 9	29°11	25°12	20°12	11°49	12°28	3°43	25°30	2°17	11°15	9°52	13°46	2° 3
T 13	17 26 16	22° 4'15	11U22	0II35	25°25	20°49	11°47	12°30	3°41	25°29	2°18	11° 8	9°49	13°53	2° 7
F 14	17 30 13	23° 1'30	23°46	2° 2	25°36	21°27	11°44	12°30	3°40	25°27	2°19	11° 3	9°46	13°59	2°12
S 15	17 34 9	23°58'45	6M24	3°32	25°45	22° 5	11°41	12°31	3°39	25°26	2°20	11° 0	9°43	14° 6	2°16
S 16	17 38 6	24°55'59	19°19	5° 5	25°52	22°43	11°38	12°32	3°37	25°24	2°22	10°D58	9°40	14°13	2°21
M17	17 42 3	25°53'12	2U35	6°41	25°56	23°21	11°35	12°33	3°36	25°23	2°23	10°58	9°36	14°19	2°25
T 18	17 45 59	26°50'24	16°14	8°20	25°R58	23°58	11°32	12°33	3°35	25°22	2°24	10°59	9°33	14°26	2°30
W19	17 49 56	27°47'36	0M17	10° 3	25°58	24°36	11°28	12°34	3°34	25°20	2°26	11° 1	9°30	14°33	2°34
T 20	17 53 52	28°44'47	14°45	11°48	25°56	25°14	11°25	12°34	3°33	25°19	2°27	11°R 1	9°27	14°39	2°39
F 21	17 57 49	29°41'58	29°35	13°36	25°51	25°52	11°21	12°34	3°32	25°18	2°28	11° 0	9°24	14°46	2°43
S 22	18 1 45	0E39'09	14K40	15°27	25°44	26°29	11°17	12°34	3°31	25°17	2°29	10°56	9°21	14°53	2°48
S 23	18 5 42	1°36'19	29°53	17°21	25°34	27° 7	11°13	12°R35	3°30	25°15	2°30	10°51	9°17	14°59	2°52
M24	18 9 38	2°33'29	15U 4	19°17	25°22	27°45	11° 8	12°34	3°29	25°14	2°32	10°44	9°14	15° 6	2°56
T 25	18 13 35	3°30'39	0≈ 1	21°16	25° 8	28°23	11° 4	12°34	3°28	25°13	2°33	10°36	9°11	15°13	3° 1
W26	18 17 32	4°27'49	14°38	23°17	24°51	29° 1	10°59	12°34	3°27	25°12	2°34	10°28	9° 8	15°19	3° 5
T 27	18 21 28	5°24'59	28°47	25°20	24°32	29°38	10°54	12°34	3°26	25°11	2°35	10°22	9° 5	15°26	3° 9
F 28	18 25 25	6°22'09	12K27	27°25	24°11	0U16	10°49	12°33	3°26	25°10	2°36	10°17	9° 2	15°33	3°14
S 29	18 29 21	7°19'20	25°38	29°31	23°47	0°54	10°44	12°33	3°25	25° 8	2°38	10°15	8°58	15°39	3°18
S 30	18 33 18	8E16'31	8Y23	1E39	23E21	1U32	10≈39	12K32	3M24	25M 7	2II39	10°D14	8M55	15II46	3II22

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	22n 5	1s20	4n18	13n28	3s46	24n16	2n26	24n 3	1n14	17s49	0s38	8s40	1s48	12s26	0n29	17s31	1n46	9n 3	11s47	15s21	14s59	19n38	16n52	3s38
S 2	22 13	2n59	3 32	13 44	3 44	24 5	2 20	23 59	1 14	17 49	0 38	8 39	1 48	12 25	0 29	17 31	1 46	9 3	11 47	15 22	14 58	19 38	16 53	3 39
M 3	22 20	7 4	2 37	14 1	3 40	23 55	2 14	23 55	1 14	17 50	0 38	8 39	1 48	12 25	0 29	17 31	1 46	9 3	11 47	15 22	14 57	19 38	16 54	3 39
T 4	22 28	10 48	1 36	14 19	3 35	23 44	2 8	23 51	1 14	17 50	0 39	8 38	1 48	12 24	0 29	17 30	1 46	9 4	11 47	15 23	14 56	19 38	16 55	3 39
W 5	22 34	14 2	0 32	14 39	3 30	23 33	2 1	23 46	1 14	17 51	0 39	8 38	1 49	12 24	0 29	17 30	1 46	9 4	11 47	15 23	14 55	19 38	16 55	3 39
T 6	22 41	16 39	0s33	15 0	3 24	23 21	1 54	23 42	1 14	17 51	0 39	8 37	1 49	12 23	0 29	17 29	1 46	9 4	11 47	15 23	14 54	19 38	16 56	3 39
F 7	22 47	18 33	1 36	15 22	3 18	23 10	1 47	23 37	1 14	17 52	0 39	8 37	1 49	12 22	0 28	17 29	1 46	9 4	11 47	15 23	14 53	19 38	16 57	3 39
S 8	22 53	19 38	2 35	15 46	3 11	22 59	1 39	23 32	1 14	17 52	0 40	8 36	1 49	12 22	0 28	17 29	1 46	9 5	11 47	15 22	14 52	19 38	16 58	3 39
S 9	22 58	19 52	3 27	16 10	3 3	22 47	1 31	23 27	1 14	17 53	0 40	8 36	1 50	12 21	0 28	17 29	1 46	9 5	11 47	15 20	14 51	19 38	16 58	3 40
M10	23 3 19	13 4	10 16	35 2	5 55	22 36	1 23	23 22	1 14	17 54	0 40	8 36	1 50	12 21	0 28	17 28	1 46	9 5	11 47	15 18	14 50	19 38	16 59	3 40
T 11	23 7 17	43 4	4 3	17 1	2 46	22 24	1 14	23 16	1 14	17 55	0 40	8 36	1 50	12 20	0 28	17 28	1 46	9 5	11 47	15 16	14 49	19 38	17 0	3 40
W12	23 11 15	25 5	3 17	28 2	3 7	22 12	1 5	23 10	1 14	17 56	0 41	8 35	1 50	12 20	0 28	17 28	1 46	9 5	11 47	15 14	14 48	19 38	17 1	3 40
T 13	23 15 12	35 5	10 17	55 2	2 27	22 1	0 56	23 5	1 14	17 56	0 41	8 35	1 51	12 20	0 28	17 27	1 46	9 6	11 47	15 12	14 47	19 39	17 1	3 40
F 14	23 18 8	52 5	2 18	22 2	1 7	21 49	0 46	22 59	1 13	17 57	0 41	8 35	1 51	12 19	0 28	17 27	1 46	9 6	11 47	15 10	14 46	19 39	17 2	3 40
S 15	23 21 4	50 4	4 40	18 50	2 6	21 37	0 36	22 53	1 13	17 58	0 41	8 35	1 51	12 19	0 28	17 27	1 46	9 6	11 47	15 9	14 45	19 39	17 3	3 41
S 16	23 23 0	30 4	3 19	17 1	5 6	21 26	0 25	22 46	1 13	17 59	0 42	8 35	1 51	12 18	0 28	17 26	1 46	9 6	11 47	15 9	14 44	19 39	17 4	3 41
M17	23 25 3	s59	3 13	19 45	1 44	21 14	0 14	22 40	1 13	18 1	0 42	8 35	1 52	12 18	0 28	17 26	1 46	9 6	11 47	15 9	14 43	19 39	17 4	3 41
T 18	23 27 8	24 2	10 20	12 1	3 3	21 3	0 3	22 33	1 13	18 2	0 42	8 35	1 52	12 17	0 28	17 26	1 46	9 6	11 47	15 9	14 42	19 39	17 5	3 41
W19	23 28 12	30 0	58 20	39 1	2 20	51 0s	8 22	27 1	1 13	18 3	0 42	8 35	1 52	12 17	0 28	17 26	1 46	9 7	11 48	15 9	14 41	19 39	17 6	3 41
T 20	23 29 15	58 0n20	21 5	1 10	20 40	0 20	22 20	1 13	18 4	0 42	8 35	1 52	12 17	0 28	17 25	1 46	9 7	11 48	15 10	14 40	19 39	17 6	3 42	
F 21	23 29 18	30 1	39 21	31 0	58 20	29 0	33 22	13 1	13 18	5 0	43 8 35	1 53	12 16	0 28	17 25	1 45	9 7	11 48	15 9	14 39	19 39	17 7	3 42	
S 22	23 29 19	46 2	51 21	55 0	46 20	18 0	45 22	5 1	13 18	7 0	43 8 35	1 53	12 16	0 28	17 25	1 45	9 7	11 48	15 8	14 38	19 39	17 8	3 42	
S 23	23 28 19	37 3	52 22	19 0	34 20	7 0	58 21	58 1	13 18	8 0	43 8 36	1 53	12 16	0 28	17 24	1 45	9 7	11 48	15 6	14 37	19 39	17 8	3 42	
M24	23 28 18	3 4	37 22	41 0	23 19	56 1	11 21	50 1	13 18	10 0	43 8 36	1 53	12 16	0 28	17 24	1 45	9 7	11 48	15 4	14 36	19 39	17 9	3 42	
T 25	23 26 15	16 5	1 23	1	0 11	19 45	1 25	21 43	1 13	18 11	0 44	8 36	1 54	12 15	0 28	17 24	1 45	9 7	11 48	15 2	14 35	19 39	17 9	3 43
W26	23 25 11	36 5	6 23	19 0n	0 19	35 1	39 21	35 1	13 18	13 0	44 8 36	1 54	12 15	0 28	17 24	1 45	9 8	11 48	14 59	14 34	19 39	17 10	3 43	
T 27	23 22 7	22 4	51 23	36 0	12 19	25 1	52 21	27 1	13 18	14 0	44 8 37	1 54	12 15	0 28	17 23	1 45	9 8	11 48	14 57	14 33	19 39	17 11	3 43	
F 28	23 20 2	54 4	20 23	50 0	22 19	14 2	7 21	19 1	13 18	16 0	44 8 37	1 54	12 15	0 28	17 23	1 45	9 8	11 48	14 56	14 32	19 39	17 11	3 43	
S 29	23 17 1n34	3 36	24 2	0 33	19 5	2 21	21 10	1	13 18	17 0	45 8 38	1 55	12 14	0 28	17 23	1 45	9 8	11 48	14 55	14 3				

SWISS EPHEMERIS for the year 1641

JULY 1641 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	18 37 14	9°13'42	20°47'	3°57'	22°R54	2°09'	10°R33	12°R31	3°R24	25°R 6	2°II40	10°M.15	8°M.52	15°II53	3°II26
T 2	18 41 11	10°10'53	2°55'	5°57'	22°25'	2°47'	10°28'	12°31'	3°M.23	25°M 5	2°41'	10°15'	8°49'	16° 0'	3°30'
W 3	18 45 7	11° 8'05	14°51'	8° 6'	21°54'	3°25'	10°22'	12°30'	3°23'	25° 4'	2°42'	10°R16	8°46'	16° 6'	3°34'
T 4	18 49 4	12° 5'17	26°41'	10°16'	21°21'	4° 3'	10°16'	12°29'	3°22'	25° 3'	2°43'	10°14'	8°42'	16°13'	3°38'
F 5	18 53 1	13° 2'30	8°II28	12°26'	20°47'	4°41'	10°10'	12°27'	3°22'	25° 2'	2°44'	10°10'	8°39'	16°20'	3°42'
S 6	18 56 57	13°59'43	20°17'	14°35'	20°12'	5°19'	10° 4'	12°26'	3°22'	25° 1'	2°45'	10° 4'	8°36'	16°26'	3°46'
S 7	19 0 54	14°56'56	2°59'	16°44'	19°36'	5°56'	9°57'	12°25'	3°21'	25° 0'	2°46'	9°56'	8°33'	16°33'	3°50'
M 8	19 4 50	15°54'10	14° 8'	18°52'	19° 0'	6°34'	9°51'	12°23'	3°21'	25° 0'	2°48'	9°45'	8°30'	16°40'	3°54'
T 9	19 8 47	16°51'24	26°14'	20°58'	18°23'	7°12'	9°45'	12°22'	3°21'	24°59'	2°49'	9°33'	8°27'	16°46'	3°58'
W10	19 12 43	17°48'38	8°II28	23° 4'	17°45'	7°50'	9°38'	12°20'	3°21'	24°58'	2°50'	9°21'	8°23'	16°53'	4° 2'
T 11	19 16 40	18°45'52	20°52'	25° 8'	17° 8'	8°28'	9°31'	12°19'	3°21'	24°57'	2°51'	9°10'	8°20'	17° 0'	4° 6'
F 12	19 20 37	19°43'07	3°III27	27°11'	16°31'	9° 5'	9°24'	12°17'	3°D21	24°56'	2°52'	9° 0'	8°17'	17° 6'	4°10'
S 13	19 24 33	20°40'22	16°14'	19°12'	15°54'	9°43'	9°17'	12°15'	3°21'	24°55'	2°53'	8°53'	8°14'	17°13'	4°13'
S 14	19 28 30	21°37'37	29°14'	1°II11	15°18'	10°21'	9°10'	12°13'	3°21'	24°55'	2°54'	8°49'	8°11'	17°20'	4°17'
M15	19 32 26	22°34'53	12°II30	3° 9'	14°43'	10°59'	9° 3'	12°11'	3°21'	24°54'	2°54'	8°47'	8° 8'	17°26'	4°21'
T 16	19 36 23	23°32'08	26° 4'	5° 6'	14° 9'	11°37'	8°56'	12° 9'	3°21'	24°53'	2°55'	8°D47	8° 4'	17°33'	4°24'
W17	19 40 19	24°29'24	9°III58	7° 0'	13°36'	12°15'	8°49'	12° 6'	3°22'	24°53'	2°56'	8°R47	8° 1'	17°40'	4°28'
T 18	19 44 16	25°26'41	2°II28	8°53'	13° 5'	12°53'	8°41'	12° 4'	3°22'	24°52'	2°57'	8°47'	7°58'	17°46'	4°31'
F 19	19 48 12	26°23'57	8°II45	10°44'	12°35'	13°30'	8°34'	12° 2'	3°22'	24°52'	2°58'	8°44'	7°55'	17°53'	4°35'
S 20	19 52 9	27°21'15	23°34'	12°33'	12° 8'	14° 8'	8°27'	11°59'	3°23'	24°51'	2°59'	8°39'	7°52'	18° 0'	4°38'
S 21	19 56 6	28°18'32	8°II32	14°21'	11°42'	14°46'	8°19'	11°57'	3°23'	24°51'	3° 0'	8°31'	7°48'	18° 6'	4°41'
M22	20 0 2	29°15'50	23°31'	16° 7'	11°18'	15°24'	8°11'	11°54'	3°24'	24°50'	3° 1'	8°21'	7°45'	18°13'	4°45'
T 23	20 3 59	0°II13'09	8°II21	17°51'	10°57'	16° 2'	8° 4'	11°51'	3°24'	24°50'	3° 2'	8°11'	7°42'	18°20'	4°48'
W24	20 7 55	1°10'29	22°54'	19°33'	10°38'	16°40'	7°56'	11°48'	3°25'	24°49'	3° 2'	8° 0'	7°39'	18°26'	4°51'
T 25	20 11 52	2° 7'50	7°II 4	21°14'	10°21'	17°18'	7°48'	11°46'	3°25'	24°49'	3° 3'	7°50'	7°36'	18°33'	4°54'
F 26	20 15 48	3° 5'11	20°46'	22°53'	10° 6'	17°56'	7°41'	11°43'	3°26'	24°48'	3° 4'	7°43'	7°33'	18°40'	4°58'
S 27	20 19 45	4° 2'34	4°II 0	24°30'	9°54'	18°34'	7°33'	11°39'	3°27'	24°48'	3° 5'	7°38'	7°29'	18°46'	5° 1'
S 28	20 23 41	4°59'58	16°48'	26° 6'	9°44'	19°12'	7°25'	11°36'	3°28'	24°48'	3° 5'	7°36'	7°26'	18°53'	5° 4'
M29	20 27 38	5°57'23	29°14'	27°40'	9°37'	19°49'	7°17'	11°33'	3°29'	24°47'	3° 6'	7°35'	7°23'	19° 0'	5° 7'
T 30	20 31 35	6°54'49	11°II23	29°12'	9°32'	20°27'	7° 9'	11°30'	3°30'	24°47'	3° 7'	7°35'	7°20'	19° 6'	5°10'
W31	20 35 31	7°II52'17	23°II19	0°III43	9°29'	21°II 5	7°2 2	11°II27	3°III31	24°M47	3°II 7	7°II34	7°M17	19°II13	5°II12

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23n10	9n43	1n43	24n18	0n52	18n45	2s49	20n53	1n12	18s21	0s45	8s39	1s55	12s14	0n28	17s23	1n45	9n 8	11s49	14s55	14s29	19n39	17n13	3s44
T 2	23 6 13	7 0 39	24 21	1 0 18	36 3 3	20 45	1 12	18 22	0 45	8 39	1 55	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 28	19 39	17 13	3 44		
W 3	23 1 15	56 0s25	24 23	1 9 18	27 3 17	20 36	1 12	18 24	0 45	8 40	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 27	19 39	17 14	3 45		
T 4	22 56 18	3 1 27	24 21	1 16 18	18 3 31	20 27	1 12	18 26	0 46	8 40	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 55	14 26	19 39	17 14	3 45		
F 5	22 51 19	22 2 25	24 16	1 23 18	18 3 45	20 18	1 12	18 28	0 46	8 41	1 56	12 14	0 28	17 22	1 45	9 8	11 49	14 54	14 25	19 39	17 15	3 45		
S 6	22 45 19	52 3 17	24 9	1 29 18	2 3 59	20 8	1 12	18 30	0 46	8 42	1 56	12 13	0 28	17 22	1 45	9 9	11 49	14 52	14 24	19 39	17 15	3 45		
S 7	22 39 19	28 4 0	23 59	1 34 17	54 4 12	19 59	1 12	18 32	0 46	8 42	1 57	12 13	0 28	17 21	1 45	9 9	11 49	14 49	14 23	19 39	17 16	3 46		
M 8	22 32 18	12 4 33	23 46	1 38 17	46 4 25	19 49	1 12	18 34	0 46	8 43	1 57	12 13	0 28	17 21	1 45	9 9	11 49	14 46	14 22	19 39	17 16	3 46		
T 9	22 25 16	8 4 54	23 31	1 42 17	39 4 37	19 40	1 12	18 35	0 47	8 44	1 57	12 13	0 28	17 21	1 45	9 9	11 50	14 42	14 21	19 39	17 17	3 46		
W10	22 18 13	19 5 2 23	14 1 45	17 32	4 49	19 30	1 11	18 37	0 47	8 45	1 57	12 13	0 28	17 21	1 45	9 9	11 50	14 38	14 20	19 39	17 17	3 46		
T 11	22 10 9	53 4 56	22 54	1 47 17	25 5 0	19 20	1 11	18 39	0 47	8 46	1 57	12 13	0 27	17 21	1 45	9 9	11 50	14 35	14 19	19 39	17 18	3 47		
F 12	22 2 5 59	4 36	22 32	1 48 17	19 5 11	19 10	1 11	18 41	0 47	8 47	1 58	12 13	0 27	17 21	1 45	9 9	11 50	14 32	14 18	19 38	17 18	3 47		
S 13	21 53 1 44	4 1 22	8 1 49	17 13	5 21	18 59	1 11	18 43	0 47	8 48	1 58	12 13	0 27	17 21	1 44	9 9	11 50	14 29	14 17	19 38	17 18	3 47		
S 14	21 45 2s39	3 14	21 42	1 49 17	7 5 31	18 49	1 11	18 46	0 48	8 49	1 58	12 14	0 27	17 20	1 44	9 9	11 50	14 28	14 16	19 38	17 19	3 47		
M15	21 35 7 1	2 15	21 15	1 49 17	2 5 40	18 39	1 11	18 48	0 48	8 50	1 58	12 14	0 27	17 20	1 44	9 9	11 50	14 27	14 15	19 38	17 19	3 48		
T 16	21 26 11 8	1 7 20	46 1 47	16 58	5 48	18 28	1 11	18 50	0 48	8 51	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 14	19 38	17 20	3 48		
W17	21 16 14 44	0n 6	20 15	1 46 16	53 5 56	18 17	1 11	18 52	0 48	8 52	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 12	19 38	17 20	3 48		
T 18	21 5 17 33	1 21	19 44	1 43 16	50 6 2	18 6	1 11	18 54	0 48	8 53	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 27	14 11	19 38	17 20	3 49		
F 19	20 55 19 18	2 32	19 11	1 40 16	46 6 9	17 55	1 10	18 56	0 48	8 54	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 26	14 10	19 38	17 21	3 49		
S 20	20 44 19 46	3 33	18 37	1 37 16	43 6 14	17 44	1 10	18 58	0 49	8 55	1 59	12 14	0 27	17 20	1 44	9 9	11 51	14 25	14 9	19 38	17 21	3 49		
S 21	20 32 18 52	4 21	18 2	1 33 16	41 6 19	17 33	1 10	19 0	0 49	8 56	2 0	12 14	0 27	17 20	1 44	9 9	11 51	14 22	14 8	19 38	17 21	3 50		
M22	20 21 16 39	4 51	17 26	1 28 16	39 6 23	17 22	1 10	19 2	0 49	8 57	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 19	14 7	19 38	17 21	3 50		
T 23	20 8 13 22	5 1 16	50 1 23	16 37	6 26	17 10	1 10	19 5	0 49	8 59	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 16	14 6	19 38	17 22	3 50		
W24	19 56 9 19	4 51	16 13	1 18 16	36 6 29	16 59	1 10	19 7	0 49	9 0	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 12	14 5	19 38	17 22	3 50		
T 25	19 43 4 51	4 23	15 35	1 12 16	35 6 31	16 47	1 10	19 9	0 49	9 1	2 0	12 15	0 27	17 20	1 44	9 9	11 52	14 9	14 4	19 37	17 22	3 51		
F 26	19 30 0 17	3 41	14 57	1 6 16	35 6 32	16 35	1 9	19 11	0 50	9 3	2 1	12 16	0 27	17 20	1 44	9 9	11 52	14 7	14 3	19 37	17 22	3 51		
S 27	19 17 4n10	2 48	14 18	0 59 16	35 6 33	16 23	1 9	19 13	0 50	9 4	2 1	12 16	0 27	17 20	1 44	9 9	11 53	14 5	14 2	19 37	17 23	3 51		
S 28	19 3 8 16	1 48	13 40	0 52 16	35 6 33	16 11	1 9	19 15	0 50	9 5	2 1	12 16	0 27	17 20	1 44	9 9	11 53	14 4	14 1	19 37	17 23	3 52		
M29	18 49 11 55	0 44	13 1	0 45 16	36 6 33	15 59	1 9	19 17	0 50	9 7	2 1	12 17	0 27	17 20	1 44	9 9	11 53	14 4	14 0	19 37	17 23	3 52		
T 30	18 35 14 57	0s20	12 21	0 37 16																				

SWISS EPHEMERIS for the year 1641

AUGUST 1641 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	20 39 28	8♄49'46	5♂ 9	2♁12	9°D29	21♂43	6°R54	11°R23	3♁32	24°R47	3♂ 8	7°R33	7♁14	19♂20	5♂15									
F 2	20 43 24	9°47'16	16°58	3°39	9♁31	22°21	6♁46	11°H20	3°33	24♁47	3° 9	7♁28	7°10	19°27	5°18									
S 3	20 47 21	10°44'47	28°49	5° 4	9°35	22°59	6°38	11°16	3°34	24°47	3° 9	7°22	7° 7	19°33	5°21									
S 4	20 51 17	11°42'20	10♁46	6°28	9°42	23°37	6°30	11°12	3°35	24°46	3°10	7°12	7° 4	19°40	5°23									
M 5	20 55 14	12°39'54	22°53	7°49	9°51	24°15	6°23	11° 9	3°36	24°46	3°11	7° 0	7° 1	19°47	5°26									
T 6	20 59 10	13°37'29	5♂10	9° 9	10° 2	24°53	6°15	11° 5	3°38	24°D46	3°11	6°47	6°58	19°53	5°28									
W 7	21 3 7	14°35'06	17°39	10°27	10°15	25°31	6° 7	11° 1	3°39	24°46	3°12	6°34	6°54	20° 0	5°31									
T 8	21 7 4	15°32'43	0♁20	11°44	10°29	26°10	6° 0	10°57	3°40	24°46	3°12	6°22	6°51	20° 7	5°33									
F 9	21 11 0	16°30'22	13°12	12°58	10°46	26°48	5°52	10°53	3°42	24°47	3°13	6°11	6°48	20°13	5°36									
S 10	21 14 57	17°28'02	26°15	14°10	11° 5	27°26	5°45	10°49	3°43	24°47	3°13	6° 3	6°45	20°20	5°38									
S 11	21 18 53	18°25'43	9♁30	15°20	11°26	28° 4	5°37	10°45	3°45	24°47	3°14	5°59	6°42	20°27	5°40									
M12	21 22 50	19°23'25	22°57	16°28	11°48	28°42	5°30	10°41	3°46	24°47	3°14	5°56	6°39	20°33	5°42									
T 13	21 26 46	20°21'08	6♁35	17°33	12°12	29°20	5°22	10°37	3°48	24°47	3°15	5°D56	6°35	20°40	5°44									
W14	21 30 43	21°18'53	10°27	18°36	12°38	29°58	5°15	10°33	3°50	24°47	3°15	5°R56	6°32	20°47	5°46									
T 15	21 34 39	22°16'38	4♁32	19°36	13° 5	0♁36	5° 8	10°29	3°51	24°48	3°15	5°56	6°29	20°53	5°48									
F 16	21 38 36	23°14'25	18°50	20°34	13°34	1°14	5° 1	10°25	3°53	24°48	3°16	5°53	6°26	21° 0	5°50									
S 17	21 42 33	24°12'12	3♁18	21°29	14° 4	1°53	4°54	10°20	3°55	24°48	3°16	5°49	6°23	21° 7	5°52									
S 18	21 46 29	25°10'01	17°53	22°21	14°36	2°31	4°47	10°16	3°57	24°49	3°17	5°42	6°20	21°13	5°54									
M19	21 50 26	26° 7'52	2♁29	23°10	15° 9	3° 9	4°40	10°12	3°59	24°49	3°17	5°33	6°16	21°20	5°56									
T 20	21 54 22	27° 5'43	16°59	23°56	15°43	3°47	4°34	10° 7	4° 1	24°50	3°17	5°22	6°13	21°27	5°57									
W21	21 58 19	28° 3'36	1♁16	24°38	16°19	4°25	4°27	10° 3	4° 3	24°50	3°17	5°12	6°10	21°33	5°59									
T 22	22 2 15	29° 1'31	15°14	25°16	16°56	5° 4	4°21	9°59	4° 5	24°50	3°18	5° 3	6° 7	21°40	6° 0									
F 23	22 6 12	29°59'27	28°49	25°50	17°34	5°42	4°14	9°54	4° 7	24°51	3°18	4°56	6° 4	21°47	6° 2									
S 24	22 10 8	0♁57'25	12°Y 0	26°21	18°13	6°20	4° 8	9°50	4° 9	24°52	3°18	4°51	6° 0	21°54	6° 3									
S 25	22 14 5	1°55'24	24°48	26°46	18°53	6°58	4° 2	9°45	4°11	24°52	3°18	4°49	5°57	22° 0	6° 5									
M26	22 18 1	2°53'26	7♁14	27° 7	19°35	7°37	3°56	9°41	4°13	24°53	3°18	4°D48	5°54	22° 7	6° 6									
T 27	22 21 58	3°51'30	19°25	27°23	20°17	8°15	3°50	9°36	4°16	24°53	3°19	4°49	5°51	22°14	6° 7									
W28	22 25 55	4°49'35	1♁23	27°33	21° 1	8°53	3°44	9°31	4°18	24°54	3°19	4°R50	5°48	22°20	6° 8									
T 29	22 29 51	5°47'43	13°14	27°R38	21°45	9°32	3°39	9°27	4°20	24°55	3°19	4°49	5°45	22°27	6° 9									
F 30	22 33 48	6°45'52	25° 4	27°37	22°31	10°10	3°34	9°22	4°23	24°56	3°19	4°47	5°41	22°34	6°10									
S 31	22 37 44	7♁44'04	6♁58	27♁30	23♁17	10♁48	3♁28	9♁18	4♁25	24♁56	3♁19	4♁43	5♁38	22♁40	6♁11									

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	18n 5	18n54	2s20	11n 3	0n21	16n40	6s30	15n22	1n 8	19s24	0s50	9s11	2s 2	12s18	0n27	17s20	1n43	9n 9	11s53	14s 3	13s57	19n37	17n24	3s53
F 2	17 50	19 39	3 12	10 23	0 13	16 42	6 28	15 10	1 8	19 26	0 50	9 13	2 2	12 18	0 27	17 20	1 43	9 8	11 54	14 2	13 56	19 36	17 24	3 53
S 3	17 34	19 33	3 56	9 44	0 4	16 44	6 25	14 57	1 8	19 28	0 51	9 14	2 2	12 19	0 27	17 20	1 43	9 8	11 54	14 0	13 55	19 36	17 24	3 54
S 4	17 18	18 34	4 29	9 5	0s 5	16 46	6 23	14 44	1 8	19 30	0 51	9 16	2 2	12 19	0 27	17 20	1 43	9 8	11 54	13 57	13 54	19 36	17 24	3 54
M 5	17 2 16	45 4	5 1	8 26	0 14	16 48	6 20	14 31	1 8	19 32	0 51	9 17	2 3	12 19	0 27	17 20	1 43	9 8	11 54	13 53	13 53	19 36	17 24	3 54
T 6	16 46	14 9	5 0	7 48	0 23	16 51	6 16	14 19	1 8	19 34	0 51	9 19	2 3	12 20	0 27	17 20	1 43	9 8	11 54	13 48	13 52	19 36	17 24	3 55
W 7	16 29	10 53	4 55	7 10	0 32	16 54	6 13	14 6	1 7	19 36	0 51	9 20	2 3	12 20	0 27	17 20	1 43	9 8	11 55	13 44	13 51	19 36	17 24	3 55
T 8	16 12	7 5	4 35	6 32	0 42	16 57	6 9	13 52	1 7	19 38	0 51	9 22	2 3	12 21	0 27	17 20	1 43	9 8	11 55	13 40	13 50	19 36	17 24	3 56
F 9	15 55	2 54	4 1	5 54	0 52	17 0	6 4	13 39	1 7	19 40	0 51	9 24	2 3	12 21	0 27	17 20	1 43	9 8	11 55	13 36	13 49	19 35	17 24	3 56
S 10	15 38	1s28	3 14	5 18	1 2	17 3	6 0	13 26	1 7	19 42	0 51	9 25	2 3	12 22	0 27	17 20	1 43	9 8	11 55	13 34	13 48	19 35	17 24	3 56
S 11	15 20	5 51	2 15	4 41	1 12	17 5	5 55	13 13	1 7	19 44	0 51	9 27	2 4	12 22	0 26	17 20	1 43	9 8	11 55	13 32	13 47	19 35	17 24	3 57
M12	15 2 10	0 1	8 4	6 1	22 17	8 5	5 50	12 59	1 6	19 46	0 51	9 29	2 4	12 23	0 26	17 20	1 43	9 7	11 56	13 32	13 46	19 35	17 24	3 57
T 13	14 44	13 41	0n 3	3 31	1 32	17 11	5 45	12 46	1 6	19 48	0 52	9 30	2 4	12 24	0 26	17 20	1 43	9 7	11 56	13 31	13 44	19 35	17 24	3 57
W14	14 25	16 40	1 16	2 57	1 42	17 14	5 40	12 32	1 6	19 50	0 52	9 32	2 4	12 24	0 26	17 20	1 43	9 7	11 56	13 31	13 43	19 35	17 24	3 58
T 15	14 7 18	42 2	2 24	1 52	1 17	17 15	5 35	12 18	1 6	19 51	0 52	9 34	2 4	12 25	0 26	17 21	1 43	9 7	11 56	13 31	13 42	19 34	17 24	3 58
F 16	13 48	19 35	3 26	1 52	2 3	17 20	5 29	12 5	1 6	19 53	0 52	9 36	2 4	12 25	0 26	17 21	1 43	9 7	11 56	13 31	13 41	19 34	17 24	3 58
S 17	13 29	19 11	4 16	1 21	2 13	17 22	5 24	11 51	1 5	19 55	0 52	9 37	2 4	12 26	0 26	17 21	1 42	9 7	11 57	13 29	13 40	19 34	17 24	3 59
S 18	13 9 17	32 4	48 0	51 2	23 17	25 5	18 11	37 1	5 19	57 0	52 9	39 2	4 12	27 0	26 17	21 1	42 9	7 11	57 13	27 13	39 19	34 17	24 3	59
M19	12 50	14 44	5 2	0 22	2 33	17 27	5 12	11 23	1 5	19 58	0 52	9 41	2 5	12 27	0 26	17 21	1 42	9 6	11 57	13 24	13 38	19 34	17 24	4 0
T 20	12 30	11 4	4 56	0s 5	2 43	17 29	5 6	11 9	1 5	20 0	0 52	9 43	2 5	12 28	0 26	17 21	1 42	9 6	11 57	13 20	13 37	19 33	17 24	4 0
W21	12 10	6 48	4 32	0 31	2 53	17 31	5 0	10 55	1 5	20 2	0 52	9 44	2 5	12 29	0 26	17 22	1 42	9 6	11 58	13 17	13 36	19 33	17 24	4 0
T 22	11 50	2 16	3 52	0 55	3 3	17 33	4 54	10 40	1 4	20 3	0 52	9 46	2 5	12 30	0 26	17 22	1 42	9 6	11 58	13 14	13 35	19 33	17 24	4 1
F 23	11 30	2n16	2 59	1 17	3 12	17 34	4 48	10 26	1 4	20 5	0 52	9 48	2 5	12 30	0 26	17 22	1 42	9 6	11 58	13 11	13 34	19 33	17 24	4 1
S 24	11 9 6	34 1	59 1	37 3	21 17	36 4	41 10	12 1	4 20	6 0	52 9	50 2	5 12	31 0	26 17	22 1	42 9	6 11	58 13	10 13	33 19	33 17	24 4	1
S 25	10 49	10 27	0 53	1 55	3 30	17 36	4 35	9 57	1 4	20 8	0 52	9 52	2 5	12 32	0 26	17 22	1 42	9 5	11 58	13 9	13 32	19 32	17 23	4 2
M26	10 28	13 45	0s13	2 11	3 38	17 37	4 29	9 43	1 3	20 9	0 52	9 53	2 5	12 33	0 26	17 22	1 42	9 5	11 59	13 9	13 31	19 32	17 23	4 2
T 27	10 7 16	22 1	17 2	2 21	3 46	17 37	4 22	9 28	1 3	20 11	0 52	9 55	2 5	12 33	0 26	17 23	1 42	9 5	11 59	13 9	13 30	19 32	17 23	4 3
W28	9 46	18 14	2 17	2 35	3 53	17 37	4 16	9 14	1 3	20 12	0 52	9 57	2 5	12 34	0 26	17 23	1 42	9 5	11 59	1				

SWISS EPHEMERIS for the year 1641

SEPTEMBER 1641 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
S 1	22 41 41	8 ^m 42'17	19 ^o 00	27°R17	24 ^o 04	11 ^m 27	3°R23	9°R13	4 ^m 27	24 ^m 57	3 ^h 19	4°R37	5 ^m 35	22 ^h 47	6 ^h 12
M 2	22 45 37	9°40'32	18 ^h 13	26 ^m 57	24°52	12° 5	3 ^h 18	9 ^h 9	4°30	24°58	3°R19	4 ^m 29	5°32	22°54	6°13
T 3	22 49 34	10°38'50	13°41	26°31	25°41	12°44	3°14	9° 4	4°32	24°59	3°19	4°20	5°29	23° 0	6°14
W 4	22 53 30	11°37'09	26°23	25°58	26°31	13°22	3° 9	8°59	4°35	25° 0	3°19	4°10	5°25	23° 7	6°14
T 5	22 57 27	12°35'30	9 ^m 21	25°19	27°21	14° 0	3° 4	8°55	4°38	25° 1	3°19	4° 1	5°22	23°14	6°15
F 6	23 1 24	13°33'53	22°34	24°34	28°12	14°39	3° 0	8°50	4°40	25° 2	3°19	3°54	5°19	23°20	6°15
S 7	23 5 20	14°32'18	6 ^h 1	23°44	29° 4	15°17	2°56	8°46	4°43	25° 3	3°19	3°48	5°16	23°27	6°16
S 8	23 9 17	15°30'45	19°38	22°49	29°56	15°56	2°52	8°41	4°46	25° 4	3°19	3°45	5°13	23°34	6°16
M 9	23 13 13	16°29'13	3 ^m 25	21°50	0 ^h 49	16°34	2°48	8°37	4°49	25° 5	3°18	3°D44	5°10	23°41	6°16
T 10	23 17 10	17°27'43	17°20	20°48	1°42	17°13	2°45	8°32	4°51	25° 6	3°18	3°45	5° 6	23°47	6°16
W 11	23 21 6	18°26'15	1 ^h 21	19°45	2°37	17°52	2°41	8°28	4°54	25° 7	3°18	3°46	5° 3	23°54	6°17
T 12	23 25 3	19°24'48	15°28	18°43	3°31	18°30	2°38	8°23	4°57	25° 8	3°18	3°R47	5° 0	24° 1	6°R17
F 13	23 28 59	20°23'23	29°38	17°41	4°27	19° 9	2°35	8°19	5° 0	25° 9	3°18	3°47	4°57	24° 7	6°17
S 14	23 32 56	21°22'00	13 ^h 51	16°43	5°23	19°47	2°32	8°14	5° 3	25°11	3°18	3°45	4°54	24°14	6°17
S 15	23 36 53	22°20'38	28° 4	15°50	6°19	20°26	2°30	8°10	5° 6	25°12	3°17	3°41	4°51	24°21	6°16
M 16	23 40 49	23°19'18	12 ^h 13	15° 2	7°16	21° 5	2°27	8° 6	5° 9	25°13	3°17	3°35	4°47	24°27	6°16
T 17	23 44 46	24°17'59	26°16	14°22	8°13	21°43	2°25	8° 1	5°12	25°14	3°17	3°29	4°44	24°34	6°16
W 18	23 48 42	25°16'43	10 ^h 7	13°50	9°11	22°22	2°23	7°57	5°15	25°16	3°16	3°23	4°41	24°41	6°16
T 19	23 52 39	26°15'28	23°43	13°27	10°10	23° 1	2°21	7°53	5°18	25°17	3°16	3°17	4°38	24°47	6°15
F 20	23 56 35	27°14'16	7 ^h 1	13°13	11° 8	23°40	2°20	7°49	5°21	25°18	3°16	3°13	4°35	24°54	6°15
S 21	0 0 32	28°13'05	20° 1	13°D10	12° 8	24°18	2°18	7°44	5°24	25°20	3°15	3°11	4°31	25° 1	6°14
S 22	0 4 28	29°11'57	2 ^h 42	13°17	13° 7	24°57	2°17	7°40	5°27	25°21	3°15	3°D10	4°28	25° 7	6°13
M 23	0 8 25	0 ^h 10'50	15° 6	13°34	14° 8	25°36	2°16	7°36	5°31	25°23	3°14	3°11	4°25	25°14	6°13
T 24	0 12 21	1° 9'47	27°15	14° 0	15° 8	26°15	2°15	7°32	5°34	25°24	3°14	3°12	4°22	25°21	6°12
W 25	0 16 18	2° 8'45	9 ^h 14	14°36	16° 9	26°54	2°14	7°28	5°37	25°26	3°14	3°14	4°19	25°28	6°11
T 26	0 20 15	3° 7'46	21° 6	15°21	17°10	27°33	2°14	7°24	5°40	25°27	3°13	3°15	4°16	25°34	6°10
F 27	0 24 11	4° 6'49	2 ^h 57	16°15	18°12	28°11	2°13	7°21	5°44	25°29	3°13	3°R16	4°12	25°41	6° 9
S 28	0 28 8	5° 5'54	14°52	17°15	19°14	28°50	2°D13	7°17	5°47	25°30	3°12	3°16	4° 9	25°48	6° 8
S 29	0 32 4	6° 5'01	26°54	18°23	20°17	29°29	2°13	7°13	5°50	25°32	3°12	3°14	4° 6	25°54	6° 7
M 30	0 36 1	7 ^h 4'11	9 ^h 10	19 ^h 37	21 ^h 19	0 ^h 8	2 ^h 14	7 ^h 9	5 ^h 54	25 ^h 34	3 ^h 11	3 ^h 11	4 ^h 3	26 ^h 1	6 ^h 6

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	8n19	17n16	4s55	2s47	4s13	17n34	3s50	8n14	1n 2	20s17	0s52	10s 4	2s 6	12s37	0n26	17s24	1n42	9n 4	12s 0	13s 5	13s24	19n31	17n22	4s 5
M 2	7 57	14 58	5 5	2 41	4 15	17 32	3 43	8 0	1 2	20 18	0 52	10 6	2 6	12 38	0 26	17 24	1 41	9 4	12 0	13 2	13 23	19 30	17 22	4 5
T 3	7 35	11 56	5 2	2 32	4 16	17 30	3 37	7 45	1 2	20 19	0 52	10 8	2 6	12 39	0 26	17 24	1 41	9 4	12 0	12 59	13 22	19 30	17 21	4 5
W 4	7 13	8 18	4 43	2 18	4 16	17 27	3 30	7 30	1 1	20 20	0 52	10 9	2 6	12 40	0 26	17 25	1 41	9 3	12 1	12 56	13 21	19 30	17 21	4 6
T 5	6 51	4 13	4 10	2 1	4 14	17 24	3 24	7 15	1 1	20 21	0 52	10 11	2 6	12 41	0 26	17 25	1 41	9 3	12 1	12 53	13 20	19 30	17 21	4 6
F 6	6 28	0s 9	3 23	1 40	4 10	17 20	3 17	6 59	1 1	20 22	0 52	10 13	2 6	12 42	0 26	17 25	1 41	9 3	12 1	12 50	13 19	19 29	17 21	4 7
S 7	6 6	4 35	2 24	1 15	4 4	17 17	3 11	6 44	1 1	20 23	0 52	10 15	2 6	12 43	0 26	17 26	1 41	9 3	12 1	12 49	13 18	19 29	17 20	4 7
S 8	5 43	8 51	1 15	0 46	3 57	17 12	3 4	6 29	1 0	20 24	0 52	10 17	2 6	12 44	0 26	17 26	1 41	9 2	12 1	12 47	13 17	19 29	17 20	4 7
M 9	5 21	12 42	0 2	0 14	3 47	17 7	2 57	6 14	1 0	20 25	0 52	10 18	2 6	12 45	0 26	17 26	1 41	9 2	12 2	12 47	13 16	19 29	17 20	4 8
T 10	4 58	15 52	1n13	0n21	3 36	17 2	2 51	5 58	1 0	20 26	0 52	10 20	2 6	12 46	0 26	17 26	1 41	9 2	12 2	12 47	13 15	19 28	17 19	4 8
W 11	4 35	18 7	2 24	0 58	3 22	16 57	2 44	5 43	0 59	20 27	0 52	10 22	2 6	12 47	0 26	17 27	1 41	9 2	12 2	12 48	13 14	19 28	17 19	4 9
T 12	4 12	19 16	3 26	1 36	3 7	16 50	2 38	5 28	0 59	20 27	0 52	10 23	2 6	12 48	0 26	17 27	1 41	9 2	12 2	12 48	13 13	19 28	17 18	4 9
F 13	3 49	19 12	4 17	2 15	2 51	16 44	2 32	5 12	0 59	20 28	0 52	10 25	2 6	12 49	0 26	17 27	1 41	9 1	12 3	12 48	13 12	19 28	17 18	4 9
S 14	3 26	17 56	4 51	2 54	2 33	16 37	2 25	4 57	0 59	20 29	0 52	10 27	2 6	12 50	0 26	17 28	1 41	9 1	12 3	12 47	13 11	19 27	17 18	4 10
S 15	3 3	15 33	5 8	3 33	2 14	16 29	2 19	4 41	0 58	20 29	0 52	10 28	2 6	12 51	0 26	17 28	1 41	9 1	12 3	12 46	13 10	19 27	17 17	4 10
M 16	2 39	12 16	5 6	4 9	1 54	16 21	2 12	4 26	0 58	20 30	0 52	10 30	2 6	12 52	0 25	17 28	1 41	9 1	12 3	12 44	13 9	19 27	17 17	4 11
T 17	2 16	8 18	4 46	4 43	1 34	16 13	2 6	4 10	0 58	20 30	0 52	10 32	2 6	12 53	0 25	17 29	1 41	9 0	12 3	12 42	13 7	19 26	17 16	4 11
W 18	1 53	3 57	4 9	5 14	1 14	16 4	2 0	3 55	0 58	20 31	0 52	10 33	2 6	12 54	0 25	17 29	1 41	9 0	12 4	12 40	13 6	19 26	17 16	4 11
T 19	1 29	0n32	3 18	5 41	0 54	15 54	1 54	3 39	0 57	20 31	0 52	10 35	2 6	12 55	0 25	17 30	1 41	9 0	12 4	12 38	13 5	19 26	17 15	4 12
F 20	1 6	4 54	2 18	6 4	0 35	15 44	1 48	3 24	0 57	20 31	0 52	10 36	2 6	12 56	0 25	17 30	1 41	8 59	12 4	12 37	13 4	19 25	17 15	4 12
S 21	0 43	8 56	1 11	6 22	0 16	15 34	1 41	3 8	0 57	20 32	0 52	10 38	2 6	12 57	0 25	17 30	1 40	8 59	12 4	12 36	13 3	19 25	17 14	4 13
S 22	0 19	12 28	0 3	6 36	0n 1	15 23	1 35	2 52	0 56	20 32	0 52	10 39	2 6	12 58	0 25	17 31	1 40	8 59	12 4	12 36	13 2	19 25	17 14	4 13
M 23	0s 4	15 22	1s 5	6 45	0 18	15 12	1 29	2 37	0 56	20 32	0 52	10 41	2 6	12 59	0 25	17 31	1 40	8 59	12 5	12 36	13 1	19 24	17 13	4 13
T 24	0 28	17 30	2 8	6 49	0 33	15 0	1 23	2 21	0 56	20 32	0 52	10 42	2 6	13 0	0 25	17 32	1 40	8 58	12 5	12 36	13 0	19 24	17 13	4 14
W 25	0 51	18 50	3 5	6 48	0 47	14 47	1 18	2 5	0 55	20 32	0 52	10 44	2 6	13 1	0 25	17 32	1 40	8 58	12 5	12 37	12 59	19 24	17 12	4 14
T 26	1 15	19 19	3 53	6 42	1 0	14 35	1 12	1 49	0 55	20 32	0 52	10 45	2 6	13 2	0 25	17 32	1 40	8 58	12 5	12 37	12 58	19 23	17 12	4 15
F 27	1 38	18 56	4 31	6 32	1 12	14 21	1 6	1 34	0 55	20 32	0 52	10 47	2 6	13 4	0 25	17 33	1 40	8 58	12 5	12 38	12 57	19 23	17 11	4 15
S 28	2 2	17 43	4 58	6 18	1 22	14 8	1 0	1 18	0 55	20 32	0 52	10 48	2 6	13 5	0 25	17 33	1 40	8 57	12 6	12 37	12 56	19 23	17 11	4 15
S 29	2 25	15 43	5 12	5 59	1 30	13 53	0 55	1 2	0 54	20 32	0 52	10 49	2 6	13 6	0 25	17 34	1 40							

SWISS EPHEMERIS for the year 1641

OCTOBER 1641 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 39 57	8♁ 3'23	21♁42	20♁56	22♁22	0♁47	2♁14	7°R 6	5♁57	25♁35	3°R10	3°R 7	4♁ 0	26♁ 8	6°R 4
W 2	0 43 54	9° 2'38	4♁33	22°20	23°26	1°26	2°15	7°H 2	6° 1	25°37	3°II10	3♁ 4	3°56	26°14	6°II 3
T 3	0 47 50	10° 1'54	17°44	23°48	24°30	2° 5	2°16	6°59	6° 4	25°39	3° 9	3° 0	3°53	26°21	6° 2
F 4	0 51 47	11° 1'13	1♁14	25°19	25°34	2°44	2°17	6°55	6° 8	25°40	3° 9	2°57	3°50	26°28	6° 0
S 5	0 55 44	12° 0'34	15° 3	26°53	26°38	3°23	2°18	6°52	6°11	25°42	3° 8	2°55	3°47	26°34	5°59
S 6	0 59 40	12°59'57	29° 7	28°29	27°43	4° 3	2°19	6°49	6°15	25°44	3° 7	2°D54	3°44	26°41	5°57
M 7	1 3 37	13°59'22	13♁21	0♁ 8	28°47	4°42	2°21	6°46	6°18	25°45	3° 7	2°54	3°41	26°48	5°55
T 8	1 7 33	14°58'49	27°41	1°48	29°53	5°21	2°23	6°42	6°22	25°47	3° 6	2°55	3°37	26°55	5°54
W 9	1 11 30	15°58'18	12♁ 4	3°29	0♁58	6° 0	2°25	6°39	6°25	25°49	3° 5	2°57	3°34	27° 1	5°52
T 10	1 15 26	16°57'48	26°25	5°10	2° 4	6°39	2°27	6°37	6°29	25°51	3° 4	2°58	3°31	27° 8	5°50
F 11	1 19 23	17°57'20	10♁40	6°53	3°10	7°19	2°30	6°34	6°32	25°53	3° 4	2°58	3°28	27°15	5°48
S 12	1 23 19	18°56'55	24°48	8°36	4°16	7°58	2°33	6°31	6°36	25°55	3° 3	2°R58	3°25	27°21	5°46
S 13	1 27 16	19°56'30	8♁47	10°19	5°22	8°37	2°35	6°28	6°40	25°57	3° 2	2°58	3°22	27°28	5°44
M14	1 31 13	20°56'08	22°36	12° 2	6°29	9°16	2°38	6°26	6°43	25°59	3° 1	2°57	3°18	27°35	5°42
T 15	1 35 9	21°55'47	6°H12	13°45	7°36	9°56	2°42	6°23	6°47	26° 0	3° 1	2°55	3°15	27°41	5°40
W16	1 39 6	22°55'28	19°36	15°27	8°43	10°35	2°45	6°21	6°51	26° 2	3° 0	2°54	3°12	27°48	5°37
T 17	1 43 2	23°55'11	2°V46	17°10	9°50	11°14	2°49	6°18	6°54	26° 4	2°59	2°53	3° 9	27°55	5°35
F 18	1 46 59	24°54'55	15°42	18°52	10°58	11°54	2°52	6°16	6°58	26° 6	2°58	2°52	3° 6	28° 2	5°33
S 19	1 50 55	25°54'42	28°24	20°34	12° 5	12°33	2°56	6°14	7° 2	26° 8	2°57	2°D52	3° 2	28° 8	5°30
S 20	1 54 52	26°54'30	10♁53	22°15	13°13	13°13	3° 1	6°12	7° 5	26°10	2°56	2°52	2°59	28°15	5°28
M21	1 58 48	27°54'21	23° 9	23°56	14°21	13°52	3° 5	6°10	7° 9	26°12	2°55	2°52	2°56	28°22	5°25
T 22	2 2 45	28°54'14	5°II14	25°37	15°30	14°32	3° 9	6° 8	7°13	26°14	2°54	2°52	2°53	28°28	5°23
W23	2 6 41	29°54'09	17°11	27°17	16°38	15°11	3°14	6° 6	7°16	26°16	2°54	2°53	2°50	28°35	5°20
T 24	2 10 38	0♁54'06	29° 3	28°56	17°47	15°51	3°19	6° 4	7°20	26°19	2°53	2°53	2°47	28°42	5°18
F 25	2 14 35	1°54'05	10♁53	0♁35	18°56	16°30	3°24	6° 3	7°24	26°21	2°52	2°53	2°43	28°48	5°15
S 26	2 18 31	2°54'07	22°47	2°14	20° 5	17°10	3°29	6° 1	7°28	26°23	2°51	2°R53	2°40	28°55	5°12
S 27	2 22 28	3°54'10	4♁48	3°52	21°14	17°50	3°35	6° 0	7°31	26°25	2°50	2°D53	2°37	29° 2	5° 9
M28	2 26 24	4°54'16	17° 1	5°30	22°24	18°29	3°40	5°59	7°35	26°27	2°49	2°53	2°34	29° 9	5° 7
T 29	2 30 21	5°54'24	29°31	7° 7	23°33	19° 9	3°46	5°58	7°39	26°29	2°48	2°53	2°31	29°15	5° 4
W30	2 34 17	6°54'33	12♁22	8°44	24°43	19°49	3°52	5°56	7°43	26°31	2°47	2°54	2°28	29°22	5° 1
T 31	2 38 14	7♁54'45	25♁35	10♁20	25♁53	20♁28	3♁58	5°H55	7♁46	26♁33	2°II46	2♁54	2♁24	29°II29	4°II58

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	3s12	9n36	4s58	5n11	1n44	13n24	0s43	0n30	0n54	20s32	0s52	10s52	2s 6	13s 8	0n25	17s34	1n40	8n56	12s 6	12s35	12s52	19n22	17n 9	4s16
W 2	3 35	5 42	4 28	4 43	1 49	13 8	0 38	0 14	0 53	20 32	0 51	10 53	2 6	13 9	0 25	17 35	1 40	8 56	12 6	12 33	12 51	19 21	17 8	4 17
T 3	3 59	1 26	3 44	4 11	1 52	12 52	0 33	0s 1	0 53	20 32	0 51	10 54	2 6	13 10	0 25	17 35	1 40	8 56	12 6	12 32	12 50	19 21	17 8	4 17
F 4	4 22	3s 2	2 46	3 38	1 55	12 36	0 27	0 17	0 53	20 31	0 51	10 56	2 5	13 12	0 25	17 36	1 40	8 56	12 7	12 31	12 49	19 21	17 7	4 18
S 5	4 45	7 26	1 37	3 2	1 57	12 19	0 22	0 33	0 52	20 31	0 51	10 57	2 5	13 13	0 25	17 36	1 40	8 55	12 7	12 30	12 48	19 20	17 7	4 18
S 6	5 9	11 30	0 21	2 24	1 58	12 2	0 17	0 49	0 52	20 31	0 51	10 58	2 5	13 14	0 25	17 37	1 40	8 55	12 7	12 30	12 47	19 20	17 6	4 18
M 7	5 32	14 58	0n57	1 45	1 58	11 44	0 12	1 5	0 52	20 30	0 51	10 59	2 5	13 15	0 25	17 37	1 40	8 55	12 7	12 30	12 46	19 20	17 5	4 19
T 8	5 55	17 32	2 13	1 4	1 57	11 26	0 7	1 21	0 51	20 30	0 51	11 0	2 5	13 16	0 25	17 38	1 40	8 55	12 7	12 30	12 45	19 19	17 5	4 19
W 9	6 18	18 59	3 20	0 23	1 55	11 7	0 2	1 37	0 51	20 29	0 51	11 1	2 5	13 17	0 25	17 38	1 40	8 54	12 7	12 31	12 44	19 19	17 4	4 19
T 10	6 41	19 12	4 14	0s20	1 53	10 48	0n 3	1 52	0 51	20 29	0 51	11 2	2 5	13 19	0 25	17 38	1 40	8 54	12 8	12 31	12 43	19 18	17 3	4 20
F 11	7 3	18 11	4 53	1 3	1 51	10 29	0 8	2 8	0 50	20 28	0 51	11 3	2 5	13 20	0 25	17 39	1 40	8 54	12 8	12 32	12 42	19 18	17 3	4 20
S 12	7 26	16 4	5 13	1 46	1 47	10 9	0 12	2 24	0 50	20 27	0 51	11 4	2 5	13 21	0 25	17 39	1 40	8 53	12 8	12 32	12 41	19 18	17 2	4 20
S 13	7 49	13 2	5 15	2 30	1 44	9 49	0 17	2 40	0 49	20 27	0 51	11 5	2 5	13 22	0 25	17 40	1 40	8 53	12 8	12 31	12 39	19 17	17 1	4 21
M14	8 11	9 18	4 58	3 14	1 40	9 29	0 21	2 56	0 49	20 26	0 51	11 6	2 5	13 23	0 25	17 40	1 39	8 53	12 8	12 31	12 38	19 17	17 1	4 21
T 15	8 34	5 9	4 25	3 58	1 35	9 8	0 26	3 12	0 49	20 25	0 51	11 7	2 4	13 25	0 25	17 41	1 39	8 53	12 8	12 30	12 37	19 16	17 0	4 21
W16	8 56	0 48	3 38	4 43	1 30	8 47	0 30	3 27	0 48	20 24	0 51	11 7	2 4	13 26	0 25	17 41	1 39	8 52	12 8	12 30	12 36	19 16	16 59	4 22
T 17	9 18	3n32	2 39	5 27	1 25	8 25	0 34	3 43	0 48	20 23	0 51	11 8	2 4	13 27	0 25	17 42	1 39	8 52	12 9	12 30	12 35	19 16	16 58	4 22
F 18	9 40	7 38	1 34	6 11	1 20	8 3	0 38	3 59	0 48	20 22	0 51	11 9	2 4	13 28	0 25	17 42	1 39	8 52	12 9	12 29	12 34	19 15	16 58	4 22
S 19	10 2	11 19	0 25	6 54	1 14	7 41	0 42	4 15	0 47	20 21	0 50	11 10	2 4	13 30	0 25	17 43	1 39	8 51	12 9	12 29	12 33	19 15	16 57	4 23
S 20	10 23	14 25	0s44	7 38	1 8	7 19	0 46	4 30	0 47	20 20	0 50	11 10	2 4	13 31	0 25	17 43	1 39	8 51	12 9	12 29	12 32	19 14	16 56	4 23
M21	10 45	16 49	1 50	8 21	1 2	6 56	0 50	4 46	0 47	20 19	0 50	11 11	2 4	13 32	0 25	17 44	1 39	8 51	12 9	12 29	12 31	19 14	16 56	4 23
T 22	11 6	18 25	2 50	9 3	0 56	6 33	0 54	5 2	0 46	20 18	0 50	11 12	2 4	13 33	0 25	17 44	1 39	8 51	12 9	12 29	12 30	19 14	16 55	4 24
W23	11 28	19 11	3 42	9 45	0 49	6 10	0 57	5 17	0 46	20 17	0 50	11 12	2 3	13 34	0 25	17 45	1 39	8 50	12 9	12 30	12 29	19 13	16 54	4 24
T 24	11 49	19 5	4 24	10 27	0 43	5 46	1 1	5 33	0 45	20 16	0 50	11 13	2 3	13 36	0 25	17 45	1 39	8 50	12 9	12 30	12 27	19 13	16 53	4 24
F 25	12 9	18 9	4 55	11 8	0 36	5 22	1 4	5 48	0 45	20 15	0 50	11 13	2 3	13 37	0 25	17 46	1 39	8 50	12 9	12 30	12 26	19 12	16 52	4 25
S 26	12 30	16 25	5 13	11 48	0 30	4 58	1 8	6 4	0 45	20 13	0 50	11 13	2 3	13 38	0 25	17 46	1 39	8 50	12 10	12 30	12 25	19 12	16 52	4 25
S 27	12 51	13 58	5 17	12 28	0 23	4 34	1 11	6 20	0 44	20 12	0 50	11 14	2 3	13 39	0 25	17 47	1 39	8 49	12 10	12 30	12 24	19 11	16 51	4 25
M28	13 11	10 52	5 8	13 7	0 17	4 9	1 14	6 35	0 44	20 11	0 50	11 14	2 3	13 41	0 25	17 47	1 39	8 49	12 10	12 30	12 23	19 11	16 50	4 25
T 29	13 31	7 13	4 44	13 46	0 10	3 44	1 17	6 51	0 43	20 9	0 50	11 15	2 3	13 42	0 25	17 48	1 39	8 49	12 10	12 30	12 22			

SWISS EPHEMERIS for the year 1641

NOVEMBER 1641 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	2 42 10	8♁54'59	9♁13	11♁56	27♁3	21♁8	4♁4	5°R55	7♁50	26♁36	2°R45	2♁55	2♁21	29♁35	4°R55
S 2	2 46 7	9°55'15	23°16	13°32	28°13	21°48	4°11	5♁54	7°54	26°38	2♁44	2°55	2°18	29°42	4♁52
S 3	2 50 4	10°55'33	7♁39	15° 7	29°24	22°28	4°17	5°53	7°58	26°40	2°43	2°R55	2°15	29°49	4°48
M 4	2 54 0	11°55'52	22°19	16°42	0♁34	23° 8	4°24	5°53	8° 1	26°42	2°42	2°55	2°12	29°55	4°45
T 5	2 57 57	12°56'14	7♁8	18°16	1°45	23°48	4°31	5°52	8° 5	26°44	2°41	2°54	2° 8	0♁2	4°42
W 6	3 1 53	13°56'37	21°58	19°51	2°56	24°28	4°38	5°52	8° 9	26°47	2°40	2°53	2° 5	0° 9	4°39
T 7	3 5 50	14°57'01	6♁43	21°24	4° 6	25° 7	4°45	5°51	8°13	26°49	2°38	2°51	2° 2	0°16	4°36
F 8	3 9 46	15°57'27	21°16	22°58	5°17	25°47	4°53	5°51	8°16	26°51	2°37	2°50	1°59	0°22	4°32
S 9	3 13 43	16°57'54	5♁32	24°31	6°29	26°27	5° 0	5°D51	8°20	26°53	2°36	2°49	1°56	0°29	4°29
S 10	3 17 39	17°58'23	19°29	26° 4	7°40	27° 7	5° 8	5°51	8°24	26°55	2°35	2°D49	1°53	0°36	4°26
M11	3 21 36	18°58'52	3♁8	27°37	8°51	27°48	5°16	5°51	8°27	26°58	2°34	2°49	1°49	0°42	4°22
T 12	3 25 33	19°59'23	16°27	29°10	10° 3	28°28	5°24	5°52	8°31	27° 0	2°33	2°50	1°46	0°49	4°19
W13	3 29 29	20°59'56	29°30	0♁42	11°14	29° 8	5°32	5°52	8°35	27° 2	2°32	2°52	1°43	0°56	4°16
T 14	3 33 26	22° 0'29	12°Y18	2°14	12°26	29°48	5°40	5°53	8°39	27° 4	2°31	2°53	1°40	1° 2	4°12
F 15	3 37 22	23° 1'04	24°53	3°46	13°38	0♁28	5°48	5°53	8°42	27° 7	2°30	2°54	1°37	1° 9	4° 9
S 16	3 41 19	24° 1'40	7♁16	5°17	14°49	1° 8	5°57	5°54	8°46	27° 9	2°29	2°R54	1°33	1°16	4° 5
S 17	3 45 15	25° 2'18	19°30	6°49	16° 1	1°48	6° 6	5°55	8°50	27°11	2°27	2°53	1°30	1°23	4° 2
M18	3 49 12	26° 2'57	1♁36	8°20	17°14	2°29	6°15	5°56	8°53	27°13	2°26	2°51	1°27	1°29	3°58
T 19	3 53 8	27° 3'38	13°35	9°51	18°26	3° 9	6°24	5°57	8°57	27°16	2°25	2°48	1°24	1°36	3°55
W20	3 57 5	28° 4'20	25°29	11°21	19°38	3°49	6°33	5°58	9° 0	27°18	2°24	2°43	1°21	1°43	3°51
T 21	4 1 2	29° 5'03	7♁21	12°52	20°50	4°30	6°42	5°59	9° 4	27°20	2°23	2°39	1°18	1°49	3°48
F 22	4 4 58	0♁7 5'48	19°11	14°22	22° 3	5°10	6°51	6° 0	9° 8	27°22	2°22	2°34	1°14	1°56	3°44
S 23	4 8 55	1° 6'35	1♁5	15°51	23°15	5°50	7° 1	6° 2	9°11	27°25	2°21	2°30	1°11	2° 3	3°41
S 24	4 12 51	2° 7'22	13° 4	17°21	24°28	6°31	7°10	6° 3	9°15	27°27	2°19	2°27	1° 8	2° 9	3°37
M25	4 16 48	3° 8'12	25°14	18°49	25°41	7°11	7°20	6° 5	9°18	27°29	2°18	2°25	1° 5	2°16	3°34
T 26	4 20 44	4° 9'03	7♁38	20°18	26°54	7°52	7°30	6° 7	9°22	27°31	2°17	2°D25	1° 2	2°23	3°30
W27	4 24 41	5° 9'55	20°22	21°46	28° 6	8°32	7°40	6° 8	9°25	27°34	2°16	2°26	0°59	2°30	3°27
T 28	4 28 37	6°10'48	3♁29	23°13	29°19	9°13	7°50	6°10	9°29	27°36	2°15	2°27	0°55	2°36	3°23
F 29	4 32 34	7°11'43	17° 3	24°40	0♁32	9°53	8° 0	6°12	9°32	27°38	2°14	2°29	0°52	2°43	3°20
S 30	4 36 31	8♁12'40	1♁4	26♁5	1♁45	10♁34	8♁10	6♁14	9♁35	27♁40	2♁13	2°R30	0♁49	2♁50	3♁16

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s30	5s37	2 s 8	15s36	0s10	2n29	1n26	7s37	0n42	20s 5	0s50	11s15	2s 2	13s45	0n25
S 2	14 49	9 53	0 53	16 12	0 17	2 3	1 28	7 52	0 42	20 3	0 50	11 15	2 2	13 47	0 25
S 3	15 8	13 41	0n26	16 47	0 24	1 38	1 31	8 7	0 41	20 1	0 50	11 16	2 2	13 48	0 25
M 4	15 27	16 41	1 46	17 20	0 30	1 12	1 33	8 22	0 41	20 0	0 49	11 16	2 2	13 49	0 25
T 5	15 45	18 36	2 59	17 53	0 37	0 46	1 35	8 37	0 40	19 58	0 49	11 16	2 2	13 50	0 25
W 6	16 3	19 15	4 0	18 25	0 43	0 20	1 38	8 53	0 40	19 56	0 49	11 16	2 2	13 52	0 25
T 7	16 21	18 35	4 44	18 56	0 49	0s 7	1 40	9 8	0 40	19 55	0 49	11 16	2 2	13 53	0 25
F 8	16 39	16 42	5 10	19 27	0 56	0 33	1 42	9 23	0 39	19 53	0 49	11 16	2 1	13 54	0 25
S 9	16 56	13 49	5 16	19 56	1 2	0 59	1 44	9 37	0 39	19 51	0 49	11 15	2 1	13 55	0 25
S 10	17 13	10 12	5 3	20 24	1 8	1 26	1 45	9 52	0 38	19 49	0 49	11 15	2 1	13 56	0 25
M11	17 30	6 7	4 33	20 52	1 14	1 52	1 47	10 7	0 38	19 47	0 49	11 15	2 1	13 58	0 25
T 12	17 46	1 50	3 49	21 18	1 19	2 19	1 49	10 22	0 37	19 45	0 49	11 15	2 1	13 59	0 25
W13	18 2	2n28	2 54	21 43	1 25	2 46	1 50	10 37	0 37	19 43	0 49	11 14	2 0	14 0	0 25
T 14	18 18	6 35	1 51	22 7	1 30	3 12	1 52	10 51	0 37	19 41	0 49	11 14	2 0	14 1	0 25
F 15	18 34	10 20	0 44	22 30	1 36	3 39	1 53	11 6	0 36	19 39	0 49	11 14	2 0	14 2	0 25
S 16	18 49	13 35	0s24	22 52	1 41	4 6	1 54	11 20	0 36	19 36	0 49	11 13	2 0	14 3	0 25
S 17	19 4	16 12	1 30	23 13	1 45	4 33	1 55	11 34	0 35	19 34	0 49	11 13	2 0	14 5	0 25
M18	19 18	18 3	2 31	23 33	1 50	4 59	1 56	11 49	0 35	19 32	0 49	11 12	2 0	14 6	0 25
T 19	19 32	19 5	3 25	23 51	1 54	5 26	1 57	12 3	0 34	19 30	0 49	11 12	2 0	14 7	0 25
W20	19 46	19 15	4 10	24 8	1 59	5 53	1 58	12 17	0 34	19 27	0 49	11 11	1 59	14 8	0 25
T 21	19 59	18 34	4 43	24 24	2 2	6 19	1 58	12 31	0 33	19 25	0 49	11 11	1 59	14 9	0 25
F 22	20 13	17 5	5 5	24 39	2 6	6 46	1 59	12 45	0 33	19 23	0 49	11 10	1 59	14 10	0 25
S 23	20 25	14 52	5 13	24 52	2 9	7 12	2 0	12 59	0 32	19 20	0 48	11 10	1 59	14 12	0 25
S 24	20 37	12 0	5 8	25 4	2 12	7 38	2 0	13 13	0 32	19 18	0 48	11 9	1 59	14 13	0 25
M25	20 49	8 36	4 49	25 15	2 15	8 5	2 0	13 27	0 31	19 15	0 48	11 8	1 59	14 14	0 25
T 26	21 1	4 45	4 16	25 24	2 17	8 31	2 0	13 40	0 31	19 13	0 48	11 7	1 58	14 15	0 25
W27	21 12	0 36	3 30	25 32	2 19	8 57	2 1	13 54	0 30	19 10	0 48	11 6	1 58	14 16	0 25
T 28	21 23	3s43	2 32	25 39	2 20	9 22	2 1	14 7	0 30	19 7	0 48	11 6	1 58	14 17	0 25
F 29	21 33	7 59	1 23	25 44	2 21	9 48	2 0	14 21	0 29	19 5	0 48	11 5	1 58	14 18	0 25
S 30	21s43	11s59	0s 8	25s47	2s22	10s14	2n 0	14s34	0n29	19s 2	0s48	11s 4	1s58	14s19	0n25

Julian Day Number = 2320727.5, Delta T = 56.49 sec
 Ecliptic obliquity = 23°29'01, Nutation = 0°00'08
 Ayanamsha: Fagan/Bradley = 19°44'29, Lahiri = 18°51'28Greg. Calendar

SWISS EPHEMERIS for the year 1641

DECEMBER 1641 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 40 27	9♂13'37	15♂33	27♂30	2♂59	11♂15	8♂21	6♂17	9♂39	27♂43	2°R11	2°R29	0♂46	2°56	3°R12
M 2	4 44 24	10°14'36	0♂24	28°53	4°12	11°55	8°31	6°19	9°42	27°45	2°II10	2♂26	0°43	3° 3	3°II 9
T 3	4 48 20	11°15'36	15°23	0♂15	5°25	12°36	8°42	6°22	9°46	27°47	2° 9	2°22	0°39	3°10	3° 5
W 4	4 52 17	12°16'37	0♂45	1°36	6°39	13°17	8°53	6°24	9°49	27°49	2° 8	2°16	0°36	3°17	3° 2
T 5	4 56 13	13°17'38	15°54	2°54	7°52	13°57	9° 4	6°27	9°52	27°52	2° 7	2°10	0°33	3°23	2°58
F 6	5 0 10	14°18'41	0♂49	4°11	9° 5	14°38	9°15	6°29	9°56	27°54	2° 6	2° 4	0°30	3°30	2°55
S 7	5 4 7	15°19'43	15°23	5°25	10°19	15°19	9°26	6°32	9°59	27°56	2° 5	1°59	0°27	3°37	2°52
S 8	5 8 3	16°20'47	29°31	6°36	11°32	16° 0	9°37	6°35	10° 2	27°58	2° 4	1°55	0°24	3°43	2°48
M 9	5 12 0	17°21'50	13♂12	7°43	12°46	16°41	9°48	6°38	10° 5	28° 0	2° 3	1°D54	0°20	3°50	2°45
T 10	5 15 56	18°22'54	26°28	8°47	14° 0	17°22	10° 0	6°41	10° 8	28° 2	2° 1	1°54	0°17	3°57	2°41
W 11	5 19 53	19°23'59	9°Y21	9°46	15°13	18° 2	10°11	6°45	10°11	28° 5	2° 0	1°55	0°14	4° 4	2°38
T 12	5 23 49	20°25'04	21°57	10°40	16°27	18°43	10°23	6°48	10°15	28° 7	1°59	1°57	0°11	4°10	2°35
F 13	5 27 46	21°26'09	4♂17	11°27	17°41	19°24	10°35	6°51	10°18	28° 9	1°58	1°R57	0° 8	4°17	2°31
S 14	5 31 42	22°27'15	16°26	12° 8	18°55	20° 5	10°46	6°55	10°21	28°11	1°57	1°56	0° 5	4°24	2°28
S 15	5 35 39	23°28'21	28°28	12°42	20° 9	20°46	10°58	6°58	10°24	28°13	1°56	1°52	0° 1	4°30	2°25
M 16	5 39 36	24°29'27	10°II25	13° 6	21°23	21°27	11°10	7° 2	10°27	28°15	1°55	1°46	29°58	4°37	2°21
T 17	5 43 32	25°30'34	22°19	13°22	22°36	22° 9	11°22	7° 6	10°30	28°17	1°54	1°37	29°55	4°44	2°18
W 18	5 47 29	26°31'41	4♂11	13°R27	23°50	22°50	11°34	7°10	10°32	28°19	1°53	1°27	29°52	4°50	2°15
T 19	5 51 25	27°32'49	16° 2	13°20	25° 4	23°31	11°47	7°14	10°35	28°21	1°52	1°15	29°49	4°57	2°12
F 20	5 55 22	28°33'57	27°56	13° 3	26°19	24°12	11°59	7°18	10°38	28°23	1°51	1° 4	29°45	5° 4	2° 9
S 21	5 59 18	29°35'06	9♂52	12°33	27°33	24°53	12°11	7°22	10°41	28°25	1°50	0°53	29°42	5°11	2° 6
S 22	6 3 15	0♂36'15	21°54	11°52	28°47	25°34	12°24	7°26	10°44	28°27	1°49	0°44	29°39	5°17	2° 3
M 23	6 7 11	1°37'24	4♂ 5	11° 0	0♂ 1	26°16	12°36	7°30	10°46	28°29	1°48	0°38	29°36	5°24	2° 0
T 24	6 11 8	2°38'34	16°27	9°57	1°15	26°57	12°49	7°35	10°49	28°31	1°47	0°34	29°33	5°31	1°57
W 25	6 15 5	3°39'44	29° 5	8°47	2°29	27°38	13° 1	7°39	10°52	28°33	1°46	0°D33	29°30	5°37	1°54
T 26	6 19 1	4°40'55	12♂ 3	7°30	3°44	28°20	13°14	7°44	10°54	28°35	1°45	0°33	29°26	5°44	1°51
F 27	6 22 58	5°42'06	25°26	6°10	4°58	29° 1	13°27	7°48	10°57	28°37	1°44	0°R33	29°23	5°51	1°48
S 28	6 26 54	6°43'17	9♂16	4°48	6°12	29°43	13°40	7°53	10°59	28°39	1°43	0°33	29°20	5°58	1°46
S 29	6 30 51	7°44'29	23°35	3°28	7°27	0♂24	13°53	7°58	11° 2	28°41	1°42	0°31	29°17	6° 4	1°43
M 30	6 34 47	8°45'41	8♂20	2°12	8°41	1° 6	14° 6	8° 3	11° 4	28°43	1°42	0°26	29°14	6°11	1°40
T 31	6 38 44	9♂46'53	23♂27	1♂ 3	9♂55	1♂47	14♂19	8♂ 8	11♂ 7	28♂44	1°II41	0♂19	29°11	6♂18	1°II38

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	21s52	15s24	1n11	25s49	2s22	10s39	2n 0	14s47	0n28	18s59	0s48	11s 3	1s58	14s20	0n25	18s 5
M 2	22 2 17 54	2 26 25 50	2 21 11 4	2 0 15 0	0 28 18 56	0 48 11 2	1 58 14 21	0 25 18 5	1 39 8 42	12 10 12 21	11 45 18 53	16 23 4 32				
T 3	22 10 19 10	3 33 25 49	2 20 11 29	1 59 15 13	0 27 18 54	0 48 11 1	1 57 14 22	0 25 18 6	1 39 8 42	12 10 12 19	11 43 18 53	16 22 4 32				
W 4	22 18 19 5	4 24 25 47	2 18 11 53	1 59 15 26	0 27 18 51	0 48 11 0	1 57 14 23	0 25 18 6	1 39 8 41	12 10 12 17	11 42 18 52	16 21 4 32				
T 5	22 26 17 37	4 57 25 43	2 16 12 18	1 58 15 39	0 26 18 48	0 48 10 58	1 57 14 25	0 25 18 7	1 39 8 41	12 10 12 15	11 41 18 52	16 21 4 32				
F 6	22 34 14 58	5 9 25 37	2 13 12 42	1 57 15 51	0 26 18 45	0 48 10 57	1 57 14 26	0 25 18 7	1 39 8 41	12 10 12 13	11 40 18 51	16 20 4 32				
S 7	22 40 11 27	5 1 25 31	2 8 13 6	1 57 16 4	0 25 18 42	0 48 10 56	1 57 14 27	0 25 18 8	1 39 8 41	12 10 12 11	11 39 18 51	16 19 4 32				
S 8	22 47 7 22	4 35 25 23	2 4 13 29	1 56 16 16	0 24 18 39	0 48 10 55	1 57 14 28	0 25 18 8	1 39 8 41	12 10 12 10	11 38 18 50	16 19 4 32				
M 9	22 53 3 2	3 53 25 13	1 58 13 53	1 55 16 28	0 24 18 36	0 48 10 54	1 56 14 29	0 25 18 9	1 39 8 41	12 9 12 9	11 37 18 49	16 18 4 32				
T 10	22 58 1n21	3 0 25 2	1 51 14 16	1 54 16 40	0 23 18 33	0 48 10 52	1 56 14 30	0 25 18 9	1 39 8 41	12 9 12 9	11 36 18 49	16 17 4 32				
W 11	23 4 5 32	1 59 24 50	1 43 14 38	1 53 16 52	0 23 18 29	0 48 10 51	1 56 14 31	0 25 18 10	1 39 8 41	12 9 12 10	11 35 18 48	16 17 4 32				
T 12	23 8 9 24	0 54 24 37	1 34 15 0	1 51 17 4	0 22 18 26	0 48 10 50	1 56 14 32	0 25 18 10	1 39 8 41	12 9 12 10	11 33 18 48	16 16 4 32				
F 13	23 12 12 46	0s13 24 23	1 24 15 22	1 50 17 16	0 22 18 23	0 48 10 48	1 56 14 32	0 25 18 11	1 39 8 40	12 9 12 10	11 32 18 47	16 15 4 32				
S 14	23 16 15 33	1 17 24 8	1 13 15 44	1 49 17 28	0 21 18 20	0 48 10 47	1 56 14 33	0 25 18 11	1 39 8 40	12 9 12 10	11 31 18 46	16 15 4 32				
S 15	23 19 17 37	2 18 23 53	1 1 16 5	1 47 17 39	0 20 18 17	0 48 10 45	1 56 14 34	0 25 18 11	1 39 8 40	12 9 12 9	11 30 18 46	16 14 4 32				
M 16	23 22 18 54	3 1 23 37	0 47 16 26	1 46 17 50	0 20 18 13	0 48 10 44	1 55 14 35	0 25 18 12	1 39 8 40	12 9 12 9	11 29 18 45	16 14 4 32				
T 17	23 24 19 20	3 56 23 20	0 32 16 46	1 44 18 2	0 19 18 10	0 48 10 42	1 55 14 36	0 25 18 12	1 39 8 40	12 8 12 4	11 28 18 45	16 13 4 32				
W 18	23 26 18 54	4 31 23 4	0 16 17 6	1 43 18 13	0 19 18 7	0 48 10 41	1 55 14 37	0 25 18 13	1 39 8 40	12 8 12 0	11 27 18 44	16 12 4 32				
T 19	23 28 17 39	4 54 22 47	0n 2 17 26	1 41 18 24	0 18 18 3	0 48 10 39	1 55 14 38	0 25 18 13	1 39 8 40	12 8 11 56	11 26 18 43	16 12 4 32				
F 20	23 29 15 39	5 4 22 30	0 20 17 45	1 39 18 34	0 18 18 0	0 48 10 38	1 55 14 39	0 25 18 14	1 39 8 40	12 8 11 52	11 24 18 43	16 11 4 32				
S 21	23 29 12 59	5 0 22 14	0 39 18 4	1 38 18 45	0 17 17 56	0 48 10 36	1 55 14 40	0 25 18 14	1 39 8 40	12 8 11 48	11 23 18 42	16 11 4 32				
S 22	23 29 9 45	4 44 21 58	0 59 18 22	1 36 18 56	0 16 17 53	0 48 10 34	1 55 14 41	0 25 18 14	1 39 8 40	12 8 11 45	11 22 18 42	16 10 4 32				
M 23	23 28 6 5	4 14 21 43	1 19 18 40	1 34 19 6	0 16 17 49	0 48 10 32	1 55 14 41	0 25 18 15	1 39 8 40	12 8 11 43	11 21 18 41	16 10 4 32				
T 24	23 27 2 6	3 33 21 29	1 38 18 57	1 32 19 16	0 15 17 46	0 48 10 31	1 54 14 42	0 25 18 15	1 39 8 40	12 7 11 42	11 20 18 40	16 9 4 32				
W 25	23 26 2s 4	2 40 21 15	1 57 19 14	1 30 19 26	0 14 17 42	0 48 10 29	1 54 14 43	0 25 18 16	1 39 8 40	12 7 11 41	11 19 18 40	16 9 4 31				
T 26	23 24 6 16	1 37 21 2	2 15 19 30	1 28 19 36	0 14 17 38	0 48 10 27	1 54 14 44	0 25 18 16	1 39 8 40	12 7 11 41	11 18 18 39	16 8 4 31				
F 27	23 22 10 17	0 27 20 50	2 30 19 46	1 26 19 46	0 13 17 35	0 48 10 25	1 54 14 45	0 25 18 16	1 39 8 40	12 7 11 41	11 17 18 38	16 8 4 31				
S 28	23 19 13 53	0n46 20 40	2 44 20 1	1 24 19 55	0 13 17 31	0 48 10 23	1 54 14 45	0 25 18 17	1 39 8 40	12 7 11 41	11 15 18 38	16 7 4 31				
S 29	23 15 16 47	1 59 20 31	2 56 20 15	1 21 20 5	0 12 17 27	0 48 10 21	1 54 14 46	0 25 18 17	1 39 8 40	12 6 11 40	11 14 18 37	16 7 4 31				
M 30	23 12 18 40	3 6 20 23	3 5 20 29	1 19 20 14	0 11 17 23	0 48 10 20	1 54 14 47	0 25 18 18	1 39 8 40	12 6 11 39	11 13 18 36	16 6 4 31				
T 31	23s 7 19s17	4n 2 20s17	3n11 20s43	1n17 20s23	0n11 17s20	0s48 10s18	1s54 14s48	0n25 18s18	1n39 8n40	12s 6 11s36	11s12 18n36	16n 6 4s31				

Julian Day Number = 2320757.5, Delta T = 56.35 sec
 Ecliptic obliquity = 23°29'01, Nutation = 0°00'08
 Ayanamsha: Fagan/Bradley = 19°44'33, Lahiri = 18°51'33Greg. Calendar