

SWISS EPHEMERIS for the year 1652

JANUARY 1652 GC

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	6 41 0	10 ²¹ 42	6 ¹⁷ 52	10 ²¹ 10	18 ²⁸ 21	19 ²² 47	25 ²⁷ 45	26 ²⁶ R22	23 ²⁷ 26	19 ²⁷ 49	11 ²³ R34	15 ²³ R37	15 ²³ Y44	23 ²⁶ U27	7 ²⁵ 9
T 2	6 44 56	11 ²² 51	18 ¹⁸ 41	11 ²¹ 48	19 ²⁰ 36	20 ²⁰ 34	25 ²⁵ 58	26 ²⁶ 18	23 ²⁷ 29	19 ²⁵ 51	11 ²³ II33	15 ²³ Y33	15 ²¹ 41	23 ²³ 34	7 ²⁵ 11
W 3	6 48 53	12 ²⁴ 01	0 ²⁵ 35	13 ²⁶ 20	20 ²⁵ 11	21 ²¹ 21	26 ²⁶ 12	26 ²⁶ 13	23 ²³ 33	19 ²⁵ 54	11 ²³ 32	15 ²³ 31	15 ²³ 37	23 ²³ 40	7 ²⁵ 14
T 4	6 52 49	13 ²⁵ 11	12 ²³ 39	15 ²⁰ 4	22 ²² 7	22 ²² 8	26 ²⁶ 25	26 ²⁶ 8	23 ²³ 36	19 ²⁵ 56	11 ²³ 31	15 ²³ 31	15 ²³ 34	23 ²³ 47	7 ²⁵ 16
F 5	6 56 46	14 ²⁶ 21	24 ²⁵ 58	16 ²⁴ 43	23 ²³ 22	22 ²² 55	26 ²⁶ 39	26 ²⁶ 4	23 ²³ 40	19 ²⁵ 58	11 ²³ 30	15 ²³ 31	15 ²³ 31	23 ²³ 54	7 ²⁵ 18
S 6	7 0 43	15 ²⁷ 31	7 ¹⁷ U39	18 ²² 22	24 ²⁴ 37	23 ²³ 42	26 ²⁶ 52	25 ²⁵ 59	23 ²³ 43	20 ²⁰ 0	11 ²³ 29	15 ²³ 29	15 ²³ 28	24 ²⁴ 1	7 ²⁵ 20
S 7	7 4 39	16 ²⁸ 40	20 ²⁰ 46	20 ²⁰ 1	25 ²⁵ 53	24 ²⁴ 29	27 ²⁷ 6	25 ²⁵ 54	23 ²³ 47	20 ²⁰ 2	11 ²³ 28	15 ²³ 26	15 ²³ 25	24 ²⁴ 7	7 ²⁵ 22
M 8	7 8 36	17 ²⁹ 50	4 ²⁷ 21	21 ²¹ 41	27 ²⁷ 8	25 ²⁵ 16	27 ²⁷ 19	25 ²⁵ 49	23 ²³ 50	20 ²⁰ 4	11 ²³ 27	15 ²³ 20	15 ²³ 22	24 ²⁴ 14	7 ²⁵ 23
T 9	7 12 32	18 ³¹ 00	18 ²⁶ 26	23 ²³ 22	28 ²⁸ 24	26 ²⁶ 3	27 ²⁷ 32	25 ²⁵ 44	23 ²³ 53	20 ²⁰ 6	11 ²³ 27	15 ²³ 12	15 ²³ 18	24 ²⁴ 21	7 ²⁵ 25
W10	7 16 29	19 ³² 09	2 ²³ 57	25 ²⁵ 3	29 ²⁹ 39	26 ²⁶ 50	27 ²⁷ 45	25 ²⁵ 39	23 ²³ 57	20 ²⁰ 8	11 ²³ 26	15 ²³ 1	15 ²³ 15	24 ²⁴ 27	7 ²⁵ 26
T 11	7 20 25	20 ³³ 19	17 ²⁵ 50	26 ²⁶ 44	0 ²⁸ 54	27 ²⁷ 37	27 ²⁷ 59	25 ²⁵ 34	24 ²⁴ 0	20 ²⁰ 10	11 ²³ 25	14 ²⁴ 49	15 ²³ 12	24 ²⁴ 34	7 ²⁵ 28
F 12	7 24 22	21 ³⁴ 27	2 ²⁸ 56	28 ²⁸ 26	2 ²¹ 10	28 ²⁸ 23	28 ²⁸ 12	25 ²⁵ 29	24 ²⁴ 4	20 ²⁰ 12	11 ²³ 24	14 ²⁴ 37	15 ²³ 9	24 ²⁴ 41	7 ²⁵ 29
S 13	7 28 18	22 ³⁵ 35	18 ²⁰ 3	0 ²⁸ 8	3 ²⁵ 25	29 ²⁹ 10	28 ²⁸ 25	25 ²⁵ 24	24 ²⁴ 7	20 ²⁰ 14	11 ²³ 23	14 ²⁴ 27	15 ²³ 6	24 ²⁴ 47	7 ²⁵ 30
S 14	7 32 15	23 ³⁶ 42	3 ²⁸ 2	1 ²⁵ 50	4 ²⁴ 40	29 ²⁹ 57	28 ²⁸ 38	25 ²⁵ 20	24 ²⁴ 10	20 ²⁰ 16	11 ²³ 22	14 ²⁴ 19	15 ²³ 3	24 ²⁴ 54	7 ²⁵ 31
M15	7 36 12	24 ³⁷ 48	17 ²⁴ 46	3 ²³ 32	5 ²⁵ 56	0 ²⁸ 44	28 ²⁸ 51	25 ²⁵ 15	24 ²⁴ 13	20 ²⁰ 18	11 ²³ 22	14 ²⁴ 14	14 ²⁴ 59	25 ²⁵ 1	7 ²⁵ 32
T 16	7 40 8	25 ³⁸ 53	2 ²⁷ 8	5 ²⁵ 15	7 ²⁷ 11	1 ²³ 31	29 ²⁹ 4	25 ²⁵ 10	24 ²⁴ 17	20 ²⁰ 20	11 ²³ 21	14 ²⁴ 12	14 ²⁴ 56	25 ²⁵ 7	7 ²⁵ 33
W17	7 44 5	26 ³⁹ 58	16 ²⁷ 7	6 ²⁵ 57	8 ²⁶ 26	2 ²¹ 18	29 ²⁹ 17	25 ²⁵ 5	24 ²⁴ 20	20 ²⁰ 22	11 ²³ 20	14 ²⁴ D12	14 ²⁴ 53	25 ²⁵ 14	7 ²⁵ 33
T 18	7 48 1	27 ⁴¹ 01	29 ²⁷ 43	8 ²⁴ 40	9 ²⁴ 41	3 ²⁵ 5	29 ²⁹ 30	25 ²⁵ 0	24 ²⁴ 23	20 ²⁰ 24	11 ²³ 19	14 ²⁴ R12	14 ²⁴ 50	25 ²⁵ 21	7 ²⁵ 34
F 19	7 51 58	28 ⁴² 03	12 ²⁸ 59	10 ²² 22	10 ²⁵ 57	3 ²⁵ 51	29 ²⁹ 43	24 ²⁴ 55	24 ²⁴ 26	20 ²⁰ 26	11 ²³ 18	14 ²⁴ 11	14 ²⁴ 47	25 ²⁵ 28	7 ²⁵ 34
S 20	7 55 54	29 ⁴³ 04	25 ²⁵ 57	12 ²⁰ 4	12 ²¹ 12	4 ²³ 38	29 ²⁹ 56	24 ²⁴ 50	24 ²⁴ 29	20 ²⁰ 28	11 ²³ 18	14 ²⁴ 8	14 ²⁴ 43	25 ²⁵ 34	7 ²⁵ 34
S 21	7 59 51	0 ²⁸ 44'04	8 ²⁸ II40	13 ²⁴ 46	13 ²⁷ 27	5 ²⁵ 25	0 ²⁸ 9	24 ²⁴ 45	24 ²⁴ 33	20 ²⁰ 30	11 ²³ 17	14 ²⁴ 3	14 ²⁴ 40	25 ²⁵ 41	7 ²⁵ R34
M22	8 3 47	1 ²⁴ 53'03	21 ²¹ 12	15 ²⁷ 27	14 ²⁴ 42	6 ²¹ 12	0 ²² 22	24 ²⁴ 40	24 ²⁴ 36	20 ²⁰ 31	11 ²³ 16	13 ²⁴ 54	14 ²⁴ 37	25 ²⁵ 48	7 ²⁵ 34
T 23	8 7 44	2 ²⁶ 01	3 ²⁸ 33	17 ²⁶ 6	15 ²⁵ 57	6 ²⁵ 58	0 ²³ 34	24 ²⁴ 35	24 ²⁴ 39	20 ²⁰ 33	11 ²³ 16	13 ²⁴ 43	14 ²⁴ 34	25 ²⁵ 54	7 ²⁵ 34
W24	8 11 41	3 ²⁶ 45'58	15 ²⁴ 46	18 ²⁴ 44	17 ²¹ 12	7 ²⁴ 45	0 ²⁴ 47	24 ²⁴ 30	24 ²⁴ 42	20 ²⁰ 35	11 ²³ 15	13 ²⁴ 30	14 ²⁴ 31	26 ²⁶ 1	7 ²⁵ 34
T 25	8 15 37	4 ²⁷ 54	27 ²⁵ 51	20 ²² 21	18 ²⁸ 28	8 ²³ 32	1 ²⁰ 0	24 ²⁴ 25	24 ²⁴ 45	20 ²⁰ 37	11 ²³ 14	13 ²⁴ 17	14 ²⁴ 28	26 ²⁶ 8	7 ²⁵ 34
F 26	8 19 34	5 ²⁸ 49'49	9 ²⁸ U50	21 ²⁵ 55	19 ²⁴ 43	9 ²¹ 19	1 ²¹ 12	24 ²⁴ 21	24 ²⁴ 48	20 ²⁰ 38	11 ²³ 14	13 ²⁴ 4	14 ²⁴ 24	26 ²⁶ 14	7 ²⁵ 33
S 27	8 23 30	6 ²⁹ 49'42	21 ²⁴ 44	23 ²⁷ 27	20 ²⁵ 58	10 ²⁰ 5	1 ²⁵ 25	24 ²⁴ 16	24 ²⁴ 51	20 ²⁰ 40	11 ²³ 13	12 ²⁵ 52	14 ²⁴ 21	26 ²⁶ 21	7 ²⁵ 32
S 28	8 27 27	7 ³⁰ 53'35	3 ²⁸ 33	24 ²⁵ 56	22 ²¹ 13	10 ²⁵ 52	1 ²³ 37	24 ²⁴ 11	24 ²⁴ 54	20 ²⁰ 42	11 ²³ 13	12 ²⁵ 43	14 ²⁴ 18	26 ²⁶ 28	7 ²⁵ 32
M29	8 31 23	8 ³¹ 26	15 ²³ 23	26 ²⁰ 20	23 ²⁸ 28	11 ²³ 38	1 ²⁴ 49	24 ²⁴ 6	24 ²⁴ 56	20 ²⁰ 44	11 ²³ 12	12 ²⁵ 36	14 ²⁴ 15	26 ²⁶ 34	7 ²⁵ 31
T 30	8 35 20	9 ³² 17	27 ²¹ 33	27 ²⁴ 41	24 ²⁴ 43	12 ²⁵ 25	2 ²⁰ 2	24 ²⁴ 2	24 ²⁴ 59	20 ²⁰ 45	11 ²³ 11	12 ²⁵ 33	14 ²⁴ 12	26 ²⁶ 41	7 ²⁵ 30
W31	8 39 16	10 ³³ 53'07	9 ²⁸ 7	28 ²⁸ 56	25 ²⁸ 58	13 ²⁸ 11	2 ²³ 14	23 ²³ 57	25 ²⁵ 2	20 ²⁰ 47	11 ²³ 11	12 ²⁵ D31	14 ²⁴ Y 9	26 ²⁶ U48	7 ²⁵ 29

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23s 5	11n56	3n 9	24s55	1s49	23s16	1s 3	15s58	1s 7	23s 9	0n16	21n 7	0n12	23s27	0s 8	21s47	1n19	12n27	9s51	6n 9	6n12	17n34	5s44	3s 8
T 2	23 0	6 35	2 17	24 50	1 53	23 7	1 4	15 43	1 6	23 10	0 16	21 8	0 12	23 28	0 8	21 47	1 19	12 27	9 51	6 8	6 11	17 32	5 45	3 8
W 3	22 54	0 58	1 18	24 43	1 55	22 57	1 6	15 27	1 6	23 10	0 16	21 9	0 12	23 28	0 8	21 47	1 19	12 28	9 50	6 7	6 10	17 29	5 46	3 9
T 4	22 49	4s46	0 15	24 35	1 58	22 47	1 8	15 11	1 5	23 10	0 16	21 10	0 12	23 28	0 8	21 47	1 19	12 28	9 50	6 7	6 8	17 26	5 46	3 9
F 5	22 42	10 28	0s50	24 26	2 02	22 36	1 9	14 55	1 5	23 11	0 16	21 11	0 12	23 28	0 8	21 48	1 19	12 28	9 50	6 7	6 7	17 23	5 47	3 9
S 6	22 35	15 53	1 54	24 15	2 22	22 24	1 11	14 39	1 4	23 11	0 16	21 12	0 12	23 28	0 8	21 48	1 19	12 28	9 50	6 7	6 6	17 20	5 48	3 9
S 7	22 28	20 47	2 55	24 2	2 42	22 12	1 12	14 23	1 4	23 12	0 16	21 13	0 12	23 28	0 8	21 48	1 19	12 28	9 50	6 5	6 5	17 18	5 49	3 9
M 8	22 20	24 47	3 47	23 47	2 52	21 59	1 14	14 7	1 3	23 12	0 16	21 14	0 12	23 29	0 8	21 48	1 19	12 28	9 50	6 3	6 4	17 15	5 50	3 9
T 9	22 12	27 26	4 28	23 31	2 6	21 45	1 15	13 50	1 2	23 12	0 15	21 15	0 13	23 29	0 8	21 48	1 19	12 28	9 49	6 0	6 2	17 12	5 50	3 9
W10	22 4 28	21 4	5 44	23 14	2 6	21 31	1 16	13 34	1 2	23 13	0 15	21 16	0 13	23 29	0 8	21 48	1 19	12 28	9 49	5 56	6 1	17 9	5 51	3 9
T 11	21 55	27 15	5 0	22 55	2 6	21 16	1 18	13 17	1 1	23 13	0 15	21 17	0 13	23 29	0 8	21 48	1 19	12 28	9 49	5 51	6 0	17 7	5 52	3 9
F 12	21 45	24 10	4 45	22 34	2 5	21 0	1 19	13 0	1 1	23 13	0 15	21 18	0 13	23 29	0 8	21 49	1 19	12 28	9 49	5 46	5 59	17 4	5 52	3 9
S 13	21 35	19 25	4 11	22 11	2 4	20 44	1 20	12 43	1 0	23 14	0 15	21 19	0 13	23 29	0 8	21 49	1 19	12 28	9 49	5 42	5 57	17 1	5 53	3 9
S 14	21 25	13 30	3 19	21 47	2 3	20 27	1 21	12 26	0 59	23 14	0 15	21 20	0 13	23 30	0 8	21 49	1 19	12 28	9 48	5 39	5 56	16 58	5 53	3 9
M15	21 14	6 55	2 15	21 21	2 1	20 9	1 22	12 9	0 59	23 14	0 15	21 21	0 13	23 30	0 8	21 49	1 19	12 28	9 48	5 37	5 55	16 55	5 53	3 9
T 16	21 3	0 7	1 3	20 54	1 58	19 51	1 23	11 52	0 58	23 14	0 15	21 22	0 13	23 30	0 8	21 49	1 19	12 28	9 48					

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T 1	8 43 13	11 ^h 53'55"	21 ^h 11'	0 ^h 6'	27 ^h 27'	13 ^h 58'	2 ^h 26'	23 ^h 52'	25 ^h 5'	20 ^h 48'	11 ^h 10'	12 ^h 32'	14 ^h 5'	26 ^h 54'	7 ^h 28'								
F 2	8 47 10	12 ^h 54'43"	3 ^h 28'	1 ^h 8'	28 ^h 28'	14 ^h 44'	2 ^h 38'	23 ^h 48'	25 ^h 8'	20 ^h 50'	11 ^h 10'	12 ^h 32'	14 ^h 2'	27 ^h 1'	7 ^h 26'								
S 3	8 51 6	13 ^h 55'30"	16 ^h 4'	2 ^h 4'	29 ^h 43'	15 ^h 31'	2 ^h 50'	23 ^h 43'	25 ^h 10'	20 ^h 52'	11 ^h 9'	12 ^h 33'	13 ^h 59'	27 ^h 8'	7 ^h 25'								
S 4	8 55 3	14 ^h 56'15"	29 ^h 4'	2 ^h 51'	0 ^h 58'	16 ^h 17'	3 ^h 2'	23 ^h 39'	25 ^h 13'	20 ^h 53'	11 ^h 9'	12 ^h 32'	13 ^h 56'	27 ^h 15'	7 ^h 23'								
M 5	8 58 59	15 ^h 57'00"	12 ^h 32'	3 ^h 30'	2 ^h 13'	17 ^h 4'	3 ^h 14'	23 ^h 35'	25 ^h 16'	20 ^h 55'	11 ^h 9'	12 ^h 28'	13 ^h 53'	27 ^h 21'	7 ^h 22'								
T 6	9 2 56	16 ^h 57'44"	26 ^h 29'	3 ^h 59'	3 ^h 28'	17 ^h 50'	3 ^h 26'	23 ^h 30'	25 ^h 18'	20 ^h 56'	11 ^h 8'	12 ^h 23'	13 ^h 49'	27 ^h 28'	7 ^h 20'								
W 7	9 6 52	17 ^h 58'27"	10 ^h 35'	4 ^h 18'	4 ^h 43'	18 ^h 37'	3 ^h 37'	23 ^h 26'	25 ^h 21'	20 ^h 58'	11 ^h 8'	12 ^h 16'	13 ^h 46'	27 ^h 35'	7 ^h 18'								
T 8	9 10 49	18 ^h 59'08"	25 ^h 48'	4 ^h 27'	5 ^h 57'	19 ^h 23'	3 ^h 49'	23 ^h 22'	25 ^h 23'	20 ^h 59'	11 ^h 7'	12 ^h 7'	13 ^h 43'	27 ^h 41'	7 ^h 16'								
F 9	9 14 46	19 ^h 59'48"	10 ^h 59'	4 ^h 25'	7 ^h 12'	20 ^h 9'	4 ^h 1'	23 ^h 18'	25 ^h 26'	21 ^h 0'	11 ^h 7'	11 ^h 59'	13 ^h 40'	27 ^h 48'	7 ^h 14'								
S 10	9 18 42	21 ^h 0'27"	26 ^h 17'	4 ^h 12'	8 ^h 27'	20 ^h 55'	4 ^h 12'	23 ^h 13'	25 ^h 28'	21 ^h 2'	11 ^h 7'	11 ^h 51'	13 ^h 37'	27 ^h 55'	7 ^h 12'								
S 11	9 22 39	22 ^h 1'04"	11 ^h 31'	3 ^h 50'	9 ^h 42'	21 ^h 42'	4 ^h 24'	23 ^h 9'	25 ^h 31'	21 ^h 3'	11 ^h 7'	11 ^h 46'	13 ^h 34'	28 ^h 1'	7 ^h 10'								
M 12	9 26 35	23 ^h 1'39"	26 ^h 32'	3 ^h 17'	10 ^h 57'	22 ^h 28'	4 ^h 35'	23 ^h 6'	25 ^h 33'	21 ^h 4'	11 ^h 6'	11 ^h 43'	13 ^h 30'	28 ^h 8'	7 ^h 7'								
T 13	9 30 32	24 ^h 2'13"	11 ^h 12'	2 ^h 36'	12 ^h 11'	23 ^h 14'	4 ^h 46'	23 ^h 2'	25 ^h 35'	21 ^h 6'	11 ^h 6'	11 ^h D42	13 ^h 27'	28 ^h 15'	7 ^h 5'								
W 14	9 34 28	25 ^h 2'45"	25 ^h 26'	1 ^h 46'	13 ^h 26'	24 ^h 0'	4 ^h 57'	22 ^h 58'	25 ^h 38'	21 ^h 7'	11 ^h 6'	11 ^h 42'	13 ^h 24'	28 ^h 21'	7 ^h 2'								
T 15	9 38 25	26 ^h 3'15"	9 ^h 14'	0 ^h 50'	14 ^h 41'	24 ^h 46'	5 ^h 8'	22 ^h 54'	25 ^h 40'	21 ^h 8'	11 ^h 6'	11 ^h 44'	13 ^h 21'	28 ^h 28'	6 ^h 59'								
F 16	9 42 21	27 ^h 3'43"	22 ^h 35'	29 ^h 50'	15 ^h 56'	25 ^h 32'	5 ^h 19'	22 ^h 50'	25 ^h 42'	21 ^h 9'	11 ^h 5'	11 ^h R45	13 ^h 18'	28 ^h 35'	6 ^h 56'								
S 17	9 46 18	28 ^h 4'09"	5 ^h 34'	28 ^h 45'	17 ^h 10'	26 ^h 18'	5 ^h 30'	22 ^h 47'	25 ^h 44'	21 ^h 10'	11 ^h 5'	11 ^h 44'	13 ^h 15'	28 ^h 41'	6 ^h 54'								
S 18	9 50 14	29 ^h 4'34"	18 ^h 14'	27 ^h 39'	18 ^h 25'	27 ^h 4'	5 ^h 41'	22 ^h 43'	25 ^h 46'	21 ^h 12'	11 ^h 5'	11 ^h 42'	13 ^h 11'	28 ^h 48'	6 ^h 51'								
M 19	9 54 11	0 ^h 4'56"	0 ^h 37'	26 ^h 33'	19 ^h 39'	27 ^h 50'	5 ^h 52'	22 ^h 40'	25 ^h 48'	21 ^h 13'	11 ^h 5'	11 ^h 38'	13 ^h 8'	28 ^h 55'	6 ^h 48'								
T 20	9 58 8	1 ^h 5'16"	12 ^h 49'	25 ^h 29'	20 ^h 54'	28 ^h 36'	6 ^h 2'	22 ^h 37'	25 ^h 50'	21 ^h 14'	11 ^h 5'	11 ^h 33'	13 ^h 5'	29 ^h 2'	6 ^h 44'								
W 21	10 2 4	2 ^h 5'35"	24 ^h 52'	24 ^h 27'	22 ^h 8'	29 ^h 22'	6 ^h 13'	22 ^h 33'	25 ^h 52'	21 ^h 15'	11 ^h 5'	11 ^h 26'	13 ^h 2'	29 ^h 8'	6 ^h 41'								
T 22	10 6 1	3 ^h 5'52"	6 ^h 49'	23 ^h 30'	23 ^h 23'	0 ^h 18'	6 ^h 23'	22 ^h 30'	25 ^h 54'	21 ^h 16'	11 ^h 5'	11 ^h 18'	12 ^h 59'	29 ^h 15'	6 ^h 38'								
F 23	10 9 57	4 ^h 6'06"	18 ^h 41'	22 ^h 38'	24 ^h 37'	0 ^h 54'	6 ^h 33'	22 ^h 27'	25 ^h 56'	21 ^h 17'	11 ^h 5'	11 ^h 11'	12 ^h 55'	29 ^h 22'	6 ^h 34'								
S 24	10 13 54	5 ^h 6'19"	0 ^h 31'	21 ^h 52'	25 ^h 52'	1 ^h 40'	6 ^h 44'	22 ^h 24'	25 ^h 58'	21 ^h 18'	11 ^h D 5	11 ^h 5'	12 ^h 52'	29 ^h 28'	6 ^h 31'								
S 25	10 17 50	6 ^h 6'30"	12 ^h 21'	21 ^h 12'	27 ^h 6'	2 ^h 25'	6 ^h 54'	22 ^h 21'	26 ^h 0'	21 ^h 19'	11 ^h 5'	11 ^h 0'	12 ^h 49'	29 ^h 35'	6 ^h 27'								
M 26	10 21 47	7 ^h 6'39"	24 ^h 13'	20 ^h 39'	28 ^h 20'	3 ^h 11'	7 ^h 4'	22 ^h 18'	26 ^h 1'	21 ^h 19'	11 ^h 5'	10 ^h 56'	12 ^h 46'	29 ^h 42'	6 ^h 23'								
T 27	10 25 43	8 ^h 6'47"	6 ^h 8'	20 ^h 14'	29 ^h 35'	3 ^h 57'	7 ^h 13'	22 ^h 16'	26 ^h 3'	21 ^h 20'	11 ^h 5'	10 ^h D55	12 ^h 43'	29 ^h 48'	6 ^h 20'								
W 28	10 29 40	9 ^h 6'52"	18 ^h 8'	19 ^h 55'	0 ^h 49'	4 ^h 42'	7 ^h 23'	22 ^h 13'	26 ^h 5'	21 ^h 21'	11 ^h 5'	10 ^h 55'	12 ^h 40'	29 ^h 55'	6 ^h 16'								
T 29	10 33 37	10 ^h 6'56"	0 ^h 18'	19 ^h 43'	2 ^h 19'	5 ^h 28'	7 ^h 33'	22 ^h 11'	26 ^h 5'	21 ^h 22'	11 ^h 5'	10 ^h V56	12 ^h V36	0 ^h 22'	6 ^h 12'								

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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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
T 1	17s15	8s59	0s46	11s 9	0n20	13s53	1s30	7s 3	0s48	23s14	0n14	21n37	0n15	23s32	0s 8	21s51	1n19	12n30	9s45	4n58	5n34	16n 7	5s52	3s10																						
F 2	16 58	14 25	1 50	10 33	0 35	13 27	1 30	6 45	0 47	23 14	0 14	21 38	0 15	23 32	0 8	21 51	1 20	12 30	9 44	4 58	5 33	16 4	5 52	3 10																						
S 3	16 41	19 23	2 50	9 58	0 51	13 0	1 30	6 26	0 47	23 14	0 14	21 39	0 15	23 32	0 8	21 51	1 20	12 31	9 44	4 58	5 32	16 1	5 51	3 10																						
S 4	16 23	23 37	3 43	9 26	1 7	12 33	1 30	6 8	0 46	23 14	0 13	21 40	0 15	23 32	0 8	21 51	1 20	12 31	9 44	4 58	5 30	15 58	5 50	3 10																						
M 5	16 5 26	44 4	4 25	8 57	1 23	12 6	1 30	5 49	0 45	23 13	0 13	21 41	0 15	23 33	0 8	21 51	1 20	12 31	9 44	4 56	5 29	15 55	5 50	3 10																						
T 6	15 47	28 21	4 54	8 31	1 40	11 39	1 29	5 30	0 45	23 13	0 13	21 42	0 16	23 33	0 8	21 51	1 20	12 31	9 44	4 54	5 28	15 52	5 49	3 10																						
W 7	15 28	28 7	5 6	8 9	1 56	11 11	1 29	5 11	0 44	23 13	0 13	21 42	0 16	23 33	0 8	21 51	1 20	12 31	9 43	4 51	5 27	15 50	5 48	3 10																						
T 8	15 10	25 54	4 57	7 51	2 12	10 43	1 28	4 52	0 43	23 13	0 13	21 43	0 16	23 33	0 8	21 51	1 20	12 32	9 43	4 48	5 25	15 47	5 48	3 10																						
F 9	14 51	21 48	4 28	7 37	2 28	10 14	1 28	4 34	0 43	23 12	0 13	21 44	0 16	23 33	0 8	21 51	1 20	12 32	9 43	4 45	5 24	15 44	5 47	3 10																						
S 10	14 31	16 13	3 39	7 27	2 43	9 46	1 27	4 15	0 42	23 12	0 13	21 45	0 16	23 33	0 8	21 51	1 20	12 32	9 43	4 42	5 23	15 41	5 46	3 10																						
S 11	14 12	9 39	2 35	7 23	2 57	9 17	1 26	3 56	0 41	23 12	0 13	21 46	0 16	23 33	0 8	21 51	1 20	12 32	9 42	4 40	5 22	15 38	5 45	3 9																						
M 12	13 52	2 37	1 21	7 23	3 9	8 48	1 26	3 37	0 40	23 12	0 13	21 46	0 16	23 33	0 9	21 52	1 20	12 32	9 42	4 38	5 20	15 35	5 44	3 9																						
T 13	13 32	4n24	0 3	7 27	3 20	8 18	1 25	3 18	0 40	23 11	0 13	21 47	0 16	23 33	0 9	21 52	1 20	12 33	9 42	4 38	5 19	15 32	5 43	3 9																						
W 14	13 12	11 0	1n14	7 36	3 30	7 49	1 24	2 59	0 39	23 11	0 13	21 48	0 16	23 33	0 9	21 52	1 20	12 33	9 42	4 38	5 18	15 29	5 42	3 9																						
T 15	12 52	16 52	2 23	7 49	3 37	7 19	1 23	2 40	0 38	23 11	0 13	21 48	0 16	23 33	0 9	21 52	1 20	12 33	9 41	4 39	5 17	15 26	5 40	3 9																						
F 16	12 31	21 43	3 23	8 6	3 42	6 49	1 22	2 21	0 38	23 10	0 13	21 49	0 16	23 34	0 9	21 52	1 20	12 33	9 41	4 39	5 16	15 23	5 39	3 9																						
S 17	12 10	25 23	4 10	8 25	3 44	6 19	1 21	2 2	0 37	23 10	0 12	21 50	0 17	23 34	0 9	21 52	1 20	12 33	9 41	4 39	5 14	15 20	5 38	3 9																						
S 18	11 49	27 41	4 44	8 48	3 45	5 49	1 19	1 43	0 36	23 9	0 12	21 50	0 17	23 34	0 9	21 52	1 20	12 34	9 41	4 38	5 13	15 17	5 37	3 9																						
M 19	11 28	28 33	5 4	9 12	3 43	5 18																																								

SWISS EPHEMERIS for the year 1652

MARCH 1652 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♄	♃	♅	♁	♂	♄	♃	♅	♁	♂	♄	♃
F 1	10 37 33	11♈ 6°59	12♌40	19°D37	3♃17	6♃13	7♃42	22°R 8	26♁ 8	21♁23	11♂ 5	10♃58	12♃33	0♃ 8	6°R 8			
S 2	10 41 30	12° 6'59	25°18	19♌39	4°31	6°59	7°52	22♁ 6	26° 9	21°23	11° 5	11° 0	12°30	0°15	6♁ 4			
S 3	10 45 26	13° 6'59	8♁16	19°46	5°46	7°44	8° 1	22° 4	26°11	21°24	11° 5	11°R 1	12°27	0°22	6° 0			
M 4	10 49 23	14° 6'56	21°37	19°59	7° 0	8°29	8°10	22° 2	26°12	21°25	11° 6	11° 1	12°24	0°28	5°56			
T 5	10 53 19	15° 6'52	5♃24	20°18	8°14	9°15	8°19	22° 0	26°14	21°25	11° 6	10°59	12°21	0°35	5°52			
W 6	10 57 16	16° 6'46	19°37	20°42	9°28	10° 0	8°28	21°58	26°15	21°26	11° 6	10°57	12°17	0°42	5°47			
T 7	11 1 12	17° 6'39	4♌14	21°10	10°42	10°45	8°37	21°56	26°16	21°27	11° 6	10°54	12°14	0°48	5°43			
F 8	11 5 9	18° 6'30	19°11	21°44	11°56	11°31	8°46	21°54	26°17	21°27	11° 7	10°50	12°11	0°55	5°39			
S 9	11 9 6	19° 6'19	4♁20	22°21	13°10	12°16	8°54	21°53	26°19	21°28	11° 7	10°48	12° 8	1° 2	5°34			
S 10	11 13 2	20° 6'06	19°31	23° 3	14°23	13° 1	9° 3	21°51	26°20	21°28	11° 7	10°46	12° 5	1° 8	5°30			
M11	11 16 59	21° 5'51	4♃35	23°48	15°37	13°46	9°11	21°50	26°21	21°28	11° 8	10°D45	12° 1	1°15	5°25			
T 12	11 20 55	22° 5'34	19°23	24°37	16°51	14°31	9°19	21°49	26°22	21°29	11° 8	10°45	11°58	1°22	5°21			
W13	11 24 52	23° 5'14	3♃48	25°29	18° 5	15°16	9°27	21°47	26°23	21°29	11° 8	10°46	11°55	1°28	5°16			
T 14	11 28 48	24° 4'53	17°48	26°24	19°18	16° 1	9°35	21°46	26°24	21°30	11° 9	10°47	11°52	1°35	5°11			
F 15	11 32 45	25° 4'29	1♂20	27°22	20°32	16°46	9°43	21°45	26°24	21°30	11° 9	10°48	11°49	1°42	5° 7			
S 16	11 36 41	26° 4'03	14°26	28°23	21°46	17°31	9°51	21°45	26°25	21°30	11°10	10°49	11°46	1°49	5° 2			
S 17	11 40 38	27° 3'35	27°10	29°26	22°59	18°16	9°58	21°44	26°26	21°30	11°10	10°R49	11°42	1°55	4°57			
M18	11 44 35	28° 3'04	9♃34	0♁32	24°13	19° 0	10° 5	21°43	26°27	21°30	11°11	10°49	11°39	2° 2	4°53			
T 19	11 48 31	29° 2'31	21°44	1°40	25°26	19°45	10°13	21°43	26°27	21°31	11°11	10°48	11°36	2° 9	4°48			
W20	11 52 28	0♃1'56	3♁43	2°50	26°40	20°30	10°20	21°42	26°28	21°31	11°12	10°47	11°33	2°15	4°43			
T 21	11 56 24	1° 1'18	15°35	4° 2	27°53	21°14	10°27	21°42	26°29	21°31	11°12	10°45	11°30	2°22	4°38			
F 22	12 0 21	2° 0'39	27°25	5°17	29° 6	21°59	10°33	21°42	26°29	21°31	11°13	10°44	11°26	2°29	4°34			
S 23	12 4 17	2°59'56	9♃14	6°33	0♁19	22°43	10°40	21°D42	26°29	21°R31	11°13	10°43	11°23	2°35	4°29			
S 24	12 8 14	3°59'12	21° 6	7°52	1°33	23°28	10°47	21°42	26°30	21°31	11°14	10°42	11°20	2°42	4°24			
M25	12 12 10	4°58'26	3♁ 3	9°12	2°46	24°12	10°53	21°42	26°30	21°31	11°15	10°42	11°17	2°49	4°19			
T 26	12 16 7	5°57'37	15° 8	10°34	3°59	24°57	10°59	21°43	26°30	21°31	11°15	10°D42	11°14	2°55	4°14			
W27	12 20 4	6°56'47	27°20	11°57	5°12	25°41	11° 5	21°43	26°31	21°31	11°16	10°42	11°11	3° 2	4°10			
T 28	12 24 0	7°55'54	9♌44	13°23	6°25	26°25	11°11	21°43	26°31	21°31	11°17	10°42	11° 7	3° 9	4° 5			
F 29	12 27 57	8°55'00	22°20	14°49	7°38	27°10	11°17	21°44	26°31	21°30	11°17	10°42	11° 4	3°15	4° 0			
S 30	12 31 53	9°54'04	5♁ 9	16°18	8°51	27°54	11°22	21°45	26°31	21°30	11°18	10°43	11° 1	3°22	3°55			
S 31	12 35 50	10°Y53'06	18♁15	17♁48	10♁ 3	28°Y38	11♁27	21♁46	26°R31	21♁30	11♁19	10°R43	10°Y58	3♁29	3♁50			

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	7s25	18s18	2s45	13s16	1n47	0n23	1s 0	2n 3	0s28	23s 4	0n12	21n57	0n18	23s35	0s 9	21s52	1n20	12n37	9s38	4n21	4n58	14n42	5s18	
S 2	7 2 22 41	3 40 13 29	1 33	0 58	2 21	0 27	23 4	0 11	21 58	0 18	23 35	0 9	21 52	1 20	12 37	9 37	4 22	4 57	14 39	5 17	3 7			
S 3	6 39 26 5	4 25 13 40	1 19	1 26	0 56	2 40	0 27	23 3	0 11	21 58	0 18	23 35	0 9	21 52	1 21	12 37	9 37	4 22	4 56	14 36	5 15	3 7		
M 4	6 16 28 9	4 57 13 49	1 5	1 57	0 54	2 59	0 26	23 3	0 11	21 59	0 18	23 35	0 9	21 52	1 21	12 38	9 37	4 22	4 54	14 33	5 13	3 7		
T 5	5 53 28 35	5 13 13 56	0 52	2 28	0 52	3 17	0 25	23 2	0 11	21 59	0 18	23 35	0 9	21 52	1 21	12 38	9 37	4 21	4 53	14 30	5 11	3 7		
W 6	5 29 27 10	5 11 14 1	0 39	2 59	0 50	3 36	0 25	23 2	0 11	21 59	0 18	23 35	0 9	21 52	1 21	12 38	9 36	4 20	4 52	14 27	5 9	3 6		
T 7	5 6 23 54	4 49 14 4	0 26	3 31	0 48	3 54	0 24	23 1	0 11	22 0	0 18	23 35	0 9	21 52	1 21	12 38	9 36	4 19	4 51	14 24	5 7	3 6		
F 8	4 43 19 0	4 7 14 5	0 14	4 2	0 46	4 12	0 23	23 1	0 11	22 0	0 18	23 35	0 9	21 52	1 21	12 39	9 36	4 18	4 49	14 21	5 5	3 6		
S 9	4 19 12 51	3 7 14 4	0 2	4 33	0 43	4 31	0 22	23 0	0 11	22 0	0 18	23 35	0 9	21 52	1 21	12 39	9 36	4 17	4 48	14 18	5 3	3 6		
S 10	3 56 5 55	1 54 14 1	0s10	5 3	0 41	4 49	0 22	23 0	0 11	22 1	0 18	23 35	0 9	21 52	1 21	12 39	9 35	4 16	4 47	14 15	5 1	3 6		
M11	3 32 1n18	0 34 13 57	0 21	5 34	0 38	5 7	0 21	22 59	0 11	22 1	0 18	23 35	0 9	21 52	1 21	12 40	9 35	4 16	4 46	14 12	4 59	3 5		
T 12	3 9 8 20	0n48	13 51	0 32	6 5	0 36	5 25	0 20	22 59	0 11	22 1	0 18	23 35	0 9	21 52	1 21	12 40	9 35	4 16	4 45	14 9	4 57	3 5	
W13	2 45 14 45	2 4 13 43	0 42	6 35	0 33	5 43	0 20	22 58	0 11	22 1	0 19	23 35	0 9	21 52	1 21	12 40	9 35	4 16	4 43	14 6	4 55	3 5		
T 14	2 21 20 13	3 11 13 33	0 52	7 6	0 31	6 1	0 19	22 58	0 11	22 2	0 19	23 35	0 9	21 52	1 21	12 40	9 34	4 17	4 42	14 2	4 53	3 5		
F 15	1 58 24 27	4 5 13 22	1 1	7 36	0 28	6 19	0 18	22 57	0 10	22 2	0 19	23 35	0 9	21 52	1 21	12 41	9 34	4 17	4 41	13 59	4 51	3 4		
S 16	1 34 27 16	4 44 13 10	1 10	8 6	0 26	6 37	0 18	22 57	0 10	22 2	0 19	23 35	0 9	21 52	1 21	12 41	9 34	4 17	4 40	13 56	4 49	3 4		
S 17	1 10 28 35	5 8 12 55	1 19	8 36	0 23	6 55	0 17	22 56	0 10	22 2	0 19	23 35	0 9	21 52	1 21	12 41	9 34	4 17	4 38	13 53	4 47	3 4		
M18	0 47 28 24	5 16 12 39	1 27	9 5	0 20	7 12	0 16	22 56	0 10	22 2	0 19	23 35	0 9	21 52	1 21	12 42	9 33	4 17	4 37	13 50	4 45	3 3		
T 19	0 23 26 50	5 11 12 22	1 34	9 35	0 18	7 30	0 16	22 56	0 10	22 3	0 19	23 35	0 9	21 52	1 21	12 42	9 33	4 17	4 36	13 47	4 43	3 3		
W20	0n 1 24 5	4 52 12 3	1 41	10 4	0 15	7 48	0 15	22 55	0 10	22 3	0 19	23 36	0 9	21 52	1 21	12 42	9 33	4 16	4 35	13 44	4 40	3 3		
T 21	0 24 20 20	4 20 11 43	1 47	10 33	0 12	8 5	0 14	22 55	0 10	22 3	0 19	23 36	0 9	21 52	1 21	12 43	9 33	4 16	4 33	13 41	4 38	3 2		
F 22	0 48 15 48	3 38 11 21	1 53	11 2	0 9	8 22	0 14	22 54	0 10	22 3	0 19	23 36	0 9	21 52	1 21	12 43	9 32	4 15	4 32					

SWISS EPHEMERIS for the year 1652

APRIL 1652 GC

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M 1	12 39 46	11°52'06	1°38	19°38	11°16	29°22	11°33	21°47	26°31	21°30	11°20	10°R43	10°Y55	3°M35	3°R46								
T 2	12 43 43	12°51'05	15°20	20°53	12°29	0°8	11°38	21°48	26°31	21°29	11°20	10°D42	10°52	3°42	3°A41								
W 3	12 47 39	13°50'02	29°22	22°28	13°42	0°50	11°43	21°49	26°31	21°29	11°21	10°Y43	10°48	3°49	3°36								
T 4	12 51 36	14°48'57	13°41	24° 4	14°54	1°34	11°47	21°50	26°31	21°29	11°22	10°43	10°45	3°55	3°32								
F 5	12 55 33	15°47'50	28°17	25°42	16° 7	2°18	11°52	21°51	26°30	21°28	11°23	10°43	10°42	4° 2	3°27								
S 6	12 59 29	16°46'42	13°3	27°22	17°19	3° 2	11°56	21°53	26°30	21°28	11°24	10°44	10°39	4° 9	3°22								
S 7	13 3 26	17°45'31	27°55	29° 3	18°32	3°45	12° 0	21°55	26°30	21°27	11°25	10°44	10°36	4°15	3°18								
M 8	13 7 22	18°44'19	12°Y44	0°Y46	19°44	4°29	12° 4	21°56	26°29	21°27	11°25	10°R44	10°32	4°22	3°13								
T 9	13 11 19	19°43'05	27°23	2°30	20°56	5°13	12° 8	21°58	26°29	21°26	11°26	10°44	10°29	4°29	3° 9								
W10	13 15 15	20°41'48	11°B47	4°15	22° 9	5°57	12°12	22° 0	26°28	21°26	11°27	10°43	10°26	4°35	3° 4								
T 11	13 19 12	21°40'30	25°48	6° 3	23°21	6°40	12°16	22° 2	26°28	21°25	11°28	10°42	10°23	4°42	3° 0								
F 12	13 23 8	22°39'10	9°II26	7°52	24°33	7°24	12°19	22° 4	26°27	21°25	11°29	10°41	10°20	4°49	2°56								
S 13	13 27 5	23°37'47	22°38	9°42	25°45	8° 7	12°22	22° 6	26°27	21°24	11°30	10°39	10°17	4°55	2°51								
S 14	13 31 2	24°36'23	5°E27	11°34	26°57	8°51	12°25	22° 9	26°26	21°23	11°31	10°38	10°13	5° 2	2°47								
M15	13 34 58	25°34'56	17°56	13°28	28° 9	9°34	12°28	22°11	26°25	21°22	11°32	10°37	10°10	5° 9	2°43								
T 16	13 38 55	26°33'27	0°R 7	15°23	29°21	10°17	12°30	22°14	26°24	21°22	11°33	10°D37	10° 7	5°15	2°39								
W17	13 42 51	27°31'55	12° 7	17°20	0°II33	11° 1	12°33	22°16	26°24	21°21	11°34	10°37	10° 4	5°22	2°35								
T 18	13 46 48	28°30'22	23°59	19°18	1°44	11°44	12°35	22°19	26°23	21°20	11°35	10°39	10° 1	5°29	2°31								
F 19	13 50 44	29°28'46	5°M48	21°18	2°56	12°27	12°37	22°22	26°22	21°19	11°36	10°40	9°58	5°35	2°27								
S 20	13 54 41	0°B27'09	17°38	23°20	4° 8	13°10	12°39	22°25	26°21	21°19	11°37	10°42	9°54	5°42	2°23								
S 21	13 58 37	1°25'29	29°34	25°23	5°19	13°53	12°41	22°28	26°20	21°18	11°39	10°43	9°51	5°49	2°19								
M22	14 2 34	2°23'47	11°A38	27°27	6°30	14°36	12°42	22°31	26°19	21°17	11°40	10°R43	9°48	5°55	2°16								
T 23	14 6 30	3°22'03	23°54	29°32	7°42	15°19	12°43	22°34	26°18	21°16	11°41	10°42	9°45	6° 2	2°12								
W24	14 10 27	4°20'18	6°II22	1°B39	8°53	16° 2	12°44	22°38	26°16	21°15	11°42	10°41	9°42	6° 9	2° 9								
T 25	14 14 24	5°18'31	19° 4	3°47	10° 4	16°45	12°45	22°41	26°15	21°14	11°43	10°38	9°38	6°15	2° 5								
F 26	14 18 20	6°16'42	2°A 0	5°55	11°15	17°28	12°46	22°44	26°14	21°13	11°44	10°34	9°35	6°22	2° 2								
S 27	14 22 17	7°14'51	15°11	8° 5	12°26	18°11	12°47	22°48	26°13	21°12	11°45	10°30	9°32	6°29	1°58								
S 28	14 26 13	8°13'00	28°35	10°14	13°37	18°54	12°47	22°52	26°11	21°11	11°47	10°26	9°29	6°35	1°55								
M29	14 30 10	9°11'06	12°B11	12°24	14°48	19°36	12°R47	22°56	26°10	21°10	11°48	10°23	9°26	6°42	1°52								
T 30	14 34 6	10°8'11	25°B59	14°B34	15°II59	20°B19	12°B47	22°B59	26°A 9	21°A 9	11°II49	10°Y21	9°Y23	6°M49	1°A49								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	4n42	28s42	5s14	6s29	2s27	15n33	0n20	11n10	0s 7	22s50	0n 9	22n 3	0n20	23s36	0s 9	21s51	1n22	12n46	9s30	4n15	4n20	13n 7	4s13	2s58
T 2	5 5	27 50	5 16	5 53	2 28	15 58	0 23	11 26	0 6	22 50	0 9	22 3	0 20	23 36	0 9	21 51	1 22	12 46	9 30	4 15	4 18	13 4	4 11	2 58
W 3	5 28	25 14	5 1	5 16	2 28	16 23	0 26	11 42	0 5	22 49	0 9	22 3	0 20	23 36	0 9	21 51	1 22	12 47	9 30	4 15	4 17	13 1	4 9	2 57
T 4	5 51	21 0	4 27	4 37	2 28	16 48	0 29	11 58	0 5	22 49	0 9	22 2	0 20	23 36	0 9	21 51	1 22	12 47	9 30	4 15	4 16	12 58	4 7	2 57
F 5	6 14	15 27	3 35	3 57	2 27	17 12	0 32	12 14	0 4	22 49	0 9	22 2	0 20	23 36	0 9	21 51	1 22	12 47	9 29	4 15	4 15	12 55	4 4	2 57
S 6	6 36	8 57	2 38	3 16	2 26	17 35	0 35	12 30	0 3	22 48	0 9	22 2	0 20	23 36	0 9	21 51	1 22	12 48	9 29	4 15	4 14	12 52	4 2	2 56
S 7	6 59	1 55	1 11	2 35	2 24	17 59	0 38	12 45	0 3	22 48	0 8	22 2	0 20	23 36	0 9	21 51	1 22	12 48	9 29	4 15	4 12	12 49	4 0	2 56
M 8	7 21	5n12	0n11	1 51	2 21	18 21	0 41	13 1	0 2	22 48	0 8	22 2	0 20	23 36	0 9	21 51	1 22	12 48	9 29	4 16	4 11	12 46	3 58	2 55
T 9	7 44	11 59	1 31	1 7	2 18	18 44	0 44	13 16	0 1	22 48	0 8	22 1	0 20	23 36	0 9	21 51	1 22	12 49	9 28	4 15	4 10	12 42	3 56	2 55
W10	8 6	18 0	2 44	0 22	2 15	19 5	0 47	13 31	0 1	22 47	0 8	22 1	0 20	23 36	0 9	21 51	1 22	12 49	9 28	4 15	4 8	12 39	3 53	2 54
T 11	8 28	22 53	3 45	0n24	2 11	19 27	0 49	13 46	0 0	22 47	0 8	22 1	0 20	23 36	0 10	21 51	1 22	12 49	9 28	4 15	4 7	12 36	3 51	2 54
F 12	8 50	26 22	4 31	1 11	2 7	19 48	0 52	14 1	0n	1 22 47	0 8	22 1	0 20	23 36	0 10	21 51	1 22	12 49	9 28	4 14	4 6	12 33	3 49	2 53
S 13	9 12	28 17	5 1	1 59	2 2	20 8	0 55	14 16	0 1	22 47	0 8	22 0	0 20	23 36	0 10	21 51	1 22	12 50	9 28	4 13	4 5	12 30	3 47	2 53
S 14	9 33	28 37	5 15	2 48	1 57	20 28	0 58	14 30	0 2	22 47	0 8	22 0	0 21	23 36	0 10	21 50	1 22	12 50	9 27	4 13	4 3	12 27	3 45	2 52
M15	9 55	27 28	5 14	3 38	1 51	20 47	1 1	14 45	0 2	22 46	0 8	22 0	0 21	23 36	0 10	21 50	1 22	12 50	9 27	4 13	4 2	12 24	3 43	2 52
T 16	10 16	25 1	4 58	4 28	1 44	21 6	1 4	14 59	0 3	22 46	0 8	21 59	0 21	23 36	0 10	21 50	1 22	12 51	9 27	4 13	4 1	12 20	3 41	2 51
W17	10 37	21 31	4 30	5 19	1 37	21 24	1 7	15 13	0 4	22 46	0 8	21 59	0 21	23 36	0 10	21 50	1 22	12 51	9 27	4 13	4 0	12 17	3 38	2 51
T 18	10 58	17 10	3 50	6 11	1 30	21 41	1 10	15 27	0 4	22 46	0 7	21 59	0 21	23 36	0 10	21 50	1 22	12 51	9 27	4 13	3 58	12 14	3 36	2 50
F 19	11 19	12 13	3 1	7 3	1 22	21 58	1 13	15 41	0 5	22 46	0 7	21 58	0 21	23 36	0 10	21 50	1 22	12 52	9 27	4 14	3 57	12 11	3 34	2 50
S 20	11 39	6 48	2 4	7 56	1 14	22 15	1 15	15 55	0 6	22 46	0 7	21 58	0 21	23 36	0 10	21 50	1 22	12 52	9 26	4 14	3 56	12 8	3 32	2 49
S 21	12 0	1 6	1 1	8 49	1 5	22 31	1 18	16 8	0 6	22 46	0 7	21 57	0 21	23 36	0 10	21 50	1 22	12 52	9 26	4 15	3 55	12 5	3 30	2 49
M22	12 20	4s41	0s 5	9 43	0 56	22 46	1 21	16 22	0 7	22 46	0 7	21 57	0 21	23 36	0 10	21 50	1 22	12 53	9 26	4 15	3 53	12 2	3 28	2 48
T 23	12 40	10 24	1 12	10 36	0 47	23 1	1 23	16 35	0 8	22 46	0 7	21 56	0 21	23 36	0 10	21 50	1 22	12 53	9 26	4 15	3 52	11 58	3 26	2 48
W24	12 59	15 49	2 17	11 30	0 37	23 15	1 26	16 48	0 8	22 46	0 7	21 56	0 21	23 36	0 10	21 50	1 22	12 53	9 26	4 14	3 51	11 55	3 25	2 47
T 25	13 19	20 39	3 15	12 23	0 27	23 28	1 29	17 1	0 9	22 46	0 7	21 55	0 21	23 36	0 10	21 50	1 22	12 54	9 26	4 13	3 50	11 52	3 23	2 47
F 26	13 38	24 37	4 5	13 16	0 17	23 41	1 31	17 14	0 9	22 46	0 7	21 55	0 21	23 36	0 10	21 49	1 22	12 54	9 25	4 12	3 48	11 49	3 21	2 46
S 27	13 58	27 21	4 43	14 8	0 6	23 53	1 34	17 26	0 10	22 46	0 6	21 54	0 21	23 36	0 10	21 49	1 22	12 54	9 25	4 10	3 47	11 46	3 19	2 45
S 28	14 16	28 35	5 6	14 59	0n	4 24 4	1 36	17 39	0 11	22 46	0 6	21 54	0 21	23 36	0 10	21 49	1 22	12 54	9 25	4 8	3 46	11 43	3 17	2 45
M29	14 35	28 7	5 13	15 50	0 15	24 15	1 39	17 51																

SWISS EPHEMERIS for the year 1652

MAY 1652 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁
W 1	14 38 3	11♈ 7'15	9♌59	16♋43	17♏10	21♉ 2	12°R47	23♄ 3	26°R 7	21°R 8	11♏50	10°D20	9°Y19	6♎55	1°R46
T 2	14 42 0	12° 5'17	24° 8	18°52	18°20	21°44	12♄47	23° 7	26♁ 6	21♁ 6	11°51	10°Y20	9°16	7° 2	1♌43
F 3	14 45 56	13° 3'18	8♌25	21° 0	19°31	22°27	12°46	23°12	26° 4	21° 5	11°53	10°22	9°13	7° 9	1°40
S 4	14 49 53	14° 1'18	22°48	23° 7	20°41	23° 9	12°45	23°16	26° 3	21° 4	11°54	10°23	9°10	7°15	1°38
S 5	14 53 49	14°59'16	7°Y13	25°12	21°52	23°52	12°44	23°20	26° 1	21° 3	11°55	10°R24	9° 7	7°22	1°35
M 6	14 57 46	15°57'13	21°38	27°15	23° 2	24°34	12°43	23°24	25°59	21° 2	11°56	10°24	9° 3	7°29	1°33
T 7	15 1 42	16°55'08	5♌56	29°17	24°12	25°16	12°42	23°29	25°58	21° 0	11°58	10°21	9° 0	7°35	1°30
W 8	15 5 39	17°53'03	20° 2	1♏16	25°22	25°58	12°40	23°33	25°56	20°59	11°59	10°18	8°57	7°42	1°28
T 9	15 9 35	18°50'55	3♏53	3°13	26°32	26°41	12°39	23°38	25°54	20°58	12° 0	10°12	8°54	7°49	1°26
F 10	15 13 32	19°48'46	17°25	5° 7	27°42	27°23	12°37	23°43	25°52	20°56	12° 1	10° 6	8°51	7°55	1°24
S 11	15 17 29	20°46'36	0♌36	6°58	28°52	28° 5	12°35	23°48	25°51	20°55	12° 3	9°59	8°48	8° 2	1°22
S 12	15 21 25	21°44'24	13°25	8°47	0♌ 2	28°47	12°33	23°53	25°49	20°54	12° 4	9°53	8°44	8° 9	1°20
M13	15 25 22	22°42'10	25°55	10°32	1°11	29°29	12°30	23°57	25°47	20°52	12° 5	9°48	8°41	8°15	1°18
T 14	15 29 18	23°39'55	8♏ 8	12°15	2°21	0♏11	12°27	24° 3	25°45	20°51	12° 7	9°45	8°38	8°22	1°16
W15	15 33 15	24°37'38	20° 8	13°54	3°30	0°53	12°25	24° 8	25°43	20°50	12° 8	9°D44	8°35	8°29	1°15
T 16	15 37 11	25°35'19	2♎ 0	15°30	4°39	1°35	12°22	24°13	25°41	20°48	12° 9	9°44	8°32	8°35	1°13
F 17	15 41 8	26°32'59	13°50	17° 3	5°49	2°17	12°18	24°18	25°39	20°47	12°11	9°45	8°29	8°42	1°12
S 18	15 45 4	27°30'37	25°42	18°33	6°58	2°59	12°15	24°23	25°37	20°45	12°12	9°46	8°25	8°49	1°11
S 19	15 49 1	28°28'13	7♌40	19°59	8° 7	3°40	12°12	24°29	25°35	20°44	12°13	9°R47	8°22	8°55	1° 9
M20	15 52 58	29°25'49	19°51	21°22	9°15	4°22	12° 8	24°34	25°33	20°42	12°15	9°46	8°19	9° 2	1° 8
T 21	15 56 54	0♏23'22	2♎16	22°41	10°24	5° 4	12° 4	24°40	25°31	20°41	12°16	9°44	8°16	9° 9	1° 8
W22	16 0 51	1°20'55	14°59	23°58	11°33	5°45	12° 0	24°45	25°29	20°39	12°18	9°39	8°13	9°15	1° 7
T 23	16 4 47	2°18'26	28° 1	25°10	12°41	6°27	11°56	24°51	25°26	20°38	12°19	9°33	8° 9	9°22	1° 6
F 24	16 8 44	3°15'57	11♁20	26°19	13°49	7° 8	11°52	24°57	25°24	20°36	12°20	9°25	8° 6	9°29	1° 6
S 25	16 12 40	4°13'26	24°55	27°24	14°57	7°50	11°47	25° 3	25°22	20°35	12°22	9°16	8° 3	9°35	1° 5
S 26	16 16 37	5°10'54	8♌44	28°26	16° 5	8°31	11°42	25° 8	25°20	20°33	12°23	9° 7	8° 0	9°42	1° 5
M27	16 20 33	6° 8'22	22°43	29°24	17°13	9°13	11°38	25°14	25°18	20°32	12°24	8°59	7°57	9°49	1° 4
T 28	16 24 30	7° 5'49	6♌48	0♌18	18°21	9°54	11°33	25°20	25°15	20°30	12°26	8°54	7°54	9°55	1° 4
W29	16 28 27	8° 3'15	20°57	1° 8	19°29	10°35	11°28	25°26	25°13	20°29	12°27	8°50	7°50	10° 2	1°D 4
T 30	16 32 23	9° 0'40	5♏ 6	1°55	20°36	11°16	11°22	25°33	25°11	20°27	12°29	8°D49	7°47	10° 9	1° 4
F 31	16 36 20	9♏58'04	19♏15	2♌37	21♌44	11♏58	11♏17	25♌39	25♁ 8	20♁26	12♏30	8°Y49	7°Y44	10♎15	1♌ 5

Day	☉	☽	♀	♁	♂	♄	♃	♆	♅	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	15n12	22s 9	4s32	17n27	0n36	24n35	1n43	18n15	0n13	22s46	0n 6	21n52	0n22	23s36	0s10	21s49	1n23	12n55	9s25	4n 6	3n42	11n33	3s12	2s43
T 2	15 30	17 4	3 46	18 13	0 47	24 44	1 46	18 27	0 13	22 46	0 6	21 51	0 22	23 36	0 10	21 49	1 23	12 56	9 24	4 6	3 41	11 30	3 10	2 43
F 3	15 47	11 0	2 46	18 57	0 57	24 52	1 48	18 38	0 14	22 47	0 6	21 51	0 22	23 36	0 10	21 49	1 23	12 56	9 24	4 7	3 40	11 27	3 9	2 42
S 4	16 5	4 19	1 35	19 40	1 6	24 59	1 50	18 50	0 14	22 47	0 6	21 50	0 22	23 36	0 10	21 49	1 23	12 56	9 24	4 7	3 38	11 23	3 7	2 41
S 5	16 22	2n36	0 17	20 20	1 16	25 6	1 52	19 1	0 15	22 47	0 6	21 49	0 22	23 36	0 10	21 49	1 23	12 56	9 24	4 8	3 37	11 20	3 5	2 41
M 6	16 39	9 23	1n 1	20 58	1 25	25 12	1 54	19 12	0 16	22 47	0 6	21 49	0 22	23 35	0 10	21 48	1 23	12 57	9 24	4 7	3 36	11 17	3 4	2 40
T 7	16 55	15 38	2 15	21 33	1 33	25 17	1 56	19 23	0 16	22 47	0 5	21 48	0 22	23 35	0 10	21 48	1 23	12 57	9 24	4 7	3 35	11 14	3 2	2 40
W 8	17 12	20 59	3 19	22 6	1 41	25 22	1 58	19 34	0 17	22 48	0 5	21 47	0 22	23 35	0 10	21 48	1 23	12 57	9 24	4 5	3 33	11 11	3 1	2 39
T 9	17 18	25 4	4 10	22 36	1 48	25 26	2 0	19 44	0 17	22 48	0 5	21 47	0 22	23 35	0 10	21 48	1 23	12 58	9 24	4 3	3 32	11 7	3 0	2 39
F 10	17 44	27 38	4 46	23 4	1 55	25 29	2 1	19 54	0 18	22 48	0 5	21 46	0 22	23 35	0 10	21 48	1 23	12 58	9 23	4 0	3 31	11 4	2 58	2 38
S 11	17 59	28 35	5 6	23 30	2 0	25 32	2 3	20 4	0 19	22 49	0 5	21 45	0 22	23 35	0 10	21 48	1 23	12 58	9 23	3 58	3 30	11 1	2 57	2 37
S 12	18 14	27 56	5 9	23 52	2 5	25 34	2 5	20 14	0 19	22 49	0 5	21 44	0 22	23 35	0 10	21 48	1 23	12 58	9 23	3 55	3 28	10 58	2 55	2 37
M13	18 29	25 53	4 58	24 13	2 10	25 35	2 6	20 24	0 20	22 49	0 5	21 43	0 22	23 35	0 10	21 48	1 23	12 59	9 23	3 53	3 27	10 55	2 54	2 36
T 14	18 44	22 39	4 33	24 30	2 13	25 36	2 8	20 34	0 20	22 50	0 5	21 43	0 22	23 35	0 10	21 48	1 23	12 59	9 23	3 52	3 26	10 51	2 53	2 36
W15	18 58	18 32	3 56	24 46	2 16	25 35	2 9	20 43	0 21	22 50	0 4	21 42	0 22	23 35	0 10	21 48	1 23	12 59	9 23	3 52	3 25	10 48	2 52	2 35
T 16	19 12	13 44	3 10	24 59	2 18	25 35	2 10	20 52	0 21	22 50	0 4	21 41	0 22	23 35	0 10	21 47	1 23	13 0	9 23	3 52	3 23	10 45	2 51	2 34
F 17	19 25	8 28	2 16	25 9	2 19	25 33	2 12	21 1	0 22	22 51	0 4	21 40	0 22	23 35	0 10	21 47	1 23	13 0	9 23	3 52	3 22	10 42	2 50	2 34
S 18	19 39	2 52	1 15	25 18	2 19	25 31	2 13	21 10	0 23	22 51	0 4	21 39	0 23	23 35	0 10	21 47	1 23	13 0	9 23	3 53	3 21	10 38	2 49	2 33
S 19	19 52	2s53	0 11	25 24	2 18	25 28	2 14	21 18	0 23	22 52	0 4	21 38	0 23	23 35	0 10	21 47	1 23	13 0	9 22	3 53	3 20	10 35	2 48	2 32
M20	20 4	8 37	0s54	25 29	2 17	25 24	2 15	21 27	0 24	22 52	0 4	21 37	0 23	23 35	0 10	21 47	1 23	13 1	9 22	3 53	3 18	10 32	2 47	2 32
T 21	20 16	14 8	1 58	25 31	2 15	25 20	2 16	21 35	0 24	22 53	0 4	21 36	0 23	23 35	0 10	21 47	1 23	13 1	9 22	3 52	3 17	10 29	2 46	2 31
W22	20 28	19 12	2 58	25 32	2 11	25 15	2 16	21 43	0 25	22 53	0 4	21 35	0 23	23 35	0 10	21 47	1 23	13 1	9 22	3 50	3 16	10 26	2 45	2 31
T 23	20 40	23 29	3 49	25 31	2 7	25 9	2 17	21 51	0 25	22 54	0 3	21 34	0 23	23 35	0 10	21 47	1 23	13 1	9 22	3 47	3 15	10 22	2 44	2 30
F 24	20 51	26 38	4 30	25 29	2 3	25 3	2 18	21 58	0 26	22 54	0 3	21 33	0 23	23 35	0 10	21 47	1 23	13 2	9 22	3 44	3 13	10 19	2 43	2 29
S 25	21 2	28 19	4 56	25 25	1 57	24 56	2 18	22 6	0 27	22 55	0 3	21 32	0 23	23 35	0 10	21 46	1 23	13 2	9 22	3 41	3 12	10 16	2 42	2 29
S 26	21 12	28 16	5 5	25 19	1 50	24 48	2 18	22 13	0 27	22 55	0 3	21 31	0 23	23 34	0 10	21 46	1 23	13 2	9 22	3 37	3 11	10 13	2 42	2 28
M27	21 23	26 27	4 57	25 12	1 43	24 40	2 19	22 20	0 28	22 56	0 3	21 30	0 23	23 34	0 10	21 46	1 23	13 2	9 22	3 34	3 10	10 9	2 41	2 28
T 28	21 32	22 58	4 30	25 4	1 35	24 31	2 19	22 27	0 28	22 56	0 3	21 29	0 23	23 34	0 10	21 46	1 23	13 3	9 22	3 32	3 8	10 6	2 40	2 27
W29	21 42	18 7	3 47	24 55	1 26																			

SWISS EPHEMERIS for the year 1652

JUNE 1652 GC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	16 40 16	10II55'28	3V22	3☾15	22☽51	12II39	11°R11	25☾45	25°R 6	20°R24	12II31	8°R50	7V41	10II22	1☾ 5		
S 2	16 44 13	11°52'52	17°25	3°49	23°58	13°20	11☾ 6	25°51	25°R 4	20°R22	12°33	8V50	7°38	10°29	1° 5		
M 3	16 48 9	12°50'15	1☾24	4°18	25° 5	14° 1	11° 0	25°58	25° 1	20°21	12°34	8°48	7°35	10°35	1° 6		
T 4	16 52 6	13°47'37	15°17	4°43	26°11	14°42	10°54	26° 4	24°59	20°19	12°36	8°43	7°31	10°42	1° 7		
W 5	16 56 2	14°44'59	29° 0	5° 4	27°18	15°23	10°48	26°10	24°57	20°18	12°37	8°36	7°28	10°49	1° 8		
T 6	16 59 59	15°42'20	12II31	5°20	28°24	16° 4	10°42	26°17	24°54	20°16	12°38	8°27	7°25	10°55	1° 8		
F 7	17 3 56	16°39'40	25°47	5°32	29°30	16°45	10°35	26°23	24°52	20°14	12°40	8°16	7°22	11° 2	1° 9		
S 8	17 7 52	17°37'00	8☾46	5°39	0☾37	17°26	10°29	26°30	24°49	20°13	12°41	8° 4	7°19	11° 9	1°11		
S 9	17 11 49	18°34'19	21°28	5°R41	1°42	18° 7	10°22	26°37	24°47	20°11	12°42	7°53	7°15	11°15	1°12		
M10	17 15 45	19°31'37	3☾54	5°39	2°48	18°47	10°16	26°43	24°44	20° 9	12°44	7°44	7°12	11°22	1°13		
T 11	17 19 42	20°28'54	16° 4	5°33	3°54	19°28	10° 9	26°50	24°42	20° 8	12°45	7°37	7° 9	11°29	1°15		
W12	17 23 38	21°26'11	28° 3	5°22	4°59	20° 9	10° 2	26°57	24°40	20° 6	12°47	7°32	7° 6	11°35	1°16		
T 13	17 27 35	22°23'26	9II54	5° 7	6° 4	20°49	9°55	27° 4	24°37	20° 5	12°48	7°30	7° 3	11°42	1°18		
F 14	17 31 31	23°20'41	21°43	4°48	7° 9	21°30	9°48	27°11	24°35	20° 3	12°49	7°D29	7° 0	11°49	1°20		
S 15	17 35 28	24°17'55	3☾35	4°26	8°13	22°11	9°41	27°17	24°32	20° 1	12°51	7°R29	6°56	11°55	1°22		
S 16	17 39 25	25°15'09	15°35	4° 0	9°18	22°51	9°34	27°24	24°30	20° 0	12°52	7°29	6°53	12° 2	1°24		
M17	17 43 21	26°12'22	27°48	3°32	10°22	23°32	9°27	27°31	24°27	19°58	12°53	7°28	6°50	12° 9	1°26		
T 18	17 47 18	27° 9'34	10II19	3° 0	11°26	24°12	9°19	27°38	24°25	19°57	12°55	7°24	6°47	12°15	1°28		
W19	17 51 14	28° 6'46	23°12	2°27	12°30	24°52	9°12	27°46	24°23	19°55	12°56	7°18	6°44	12°22	1°31		
T 20	17 55 11	29° 3'57	6☾28	1°53	13°33	25°33	9° 4	27°53	24°20	19°53	12°58	7°10	6°41	12°29	1°33		
F 21	17 59 7	0☾ 1'08	20° 6	1°18	14°36	26°13	8°57	28° 0	24°18	19°52	12°59	6°59	6°37	12°35	1°36		
S 22	18 3 4	0°58'19	4☾ 5	0°42	15°39	26°53	8°49	28° 7	24°15	19°50	13° 0	6°48	6°34	12°42	1°38		
S 23	18 7 1	1°55'30	18°20	0° 7	16°42	27°34	8°42	28°14	24°13	19°49	13° 2	6°36	6°31	12°49	1°41		
M24	18 10 57	2°52'40	2☾45	29II33	17°44	28°14	8°34	28°21	24°10	19°47	13° 3	6°26	6°28	12°55	1°44		
T 25	18 14 54	3°49'51	17°14	29° 0	18°47	28°54	8°27	28°29	24° 8	19°45	13° 4	6°19	6°25	13° 2	1°47		
W26	18 18 50	4°47'01	1☾40	28°30	19°48	29°34	8°19	28°36	24° 6	19°44	13° 5	6°14	6°21	13° 9	1°50		
T 27	18 22 47	5°44'12	16° 1	28° 2	20°50	0☾14	8°11	28°43	24° 3	19°42	13° 7	6°11	6°18	13°15	1°53		
F 28	18 26 43	6°41'23	0V13	27°37	21°51	0°54	8° 4	28°51	24° 1	19°41	13° 8	6°11	6°15	13°22	1°57		
S 29	18 30 40	7°38'34	14°15	27°16	22°52	1°34	7°56	28°58	23°59	19°39	13° 9	6°11	6°12	13°29	2° 0		
S 30	18 34 36	8☾35'45	28V 6	26II59	23☾53	2☾14	7☾48	29☾ 6	23☾56	19☾38	13II11	6V10	6V 9	13II35	2☾ 4		

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂						
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
S 1	22n 8	0n54	0s29	24n21	0n54	23n49	2n18	22n52	0n30	22s59	0n 2	21n25	0n23	23s34	0s10	21s46	1n23	13n 3	9s22	3n30	3n 3	9n53	2s38	2s24
S 2	22 15	7 33	0n46	24 8	0 42	23 37	2 18	22 57	0 31	22 59	0 2	21 24	0 23	23 34	0 10	21 45	1 23	13 4	9 22	3 30	3 2	9 50	2 38	2 24
M 3	22 23	13 49	1 57	23 54	0 29	23 25	2 18	23 3	0 31	23 0	0 2	21 23	0 23	23 34	0 10	21 45	1 23	13 4	9 22	3 30	3 1	9 47	2 38	2 23
T 4	22 30	19 20	3 1	23 40	0 16	23 12	2 17	23 8	0 32	23 0	0 2	21 22	0 24	23 34	0 10	21 45	1 23	13 4	9 21	3 28	2 59	9 43	2 37	2 23
W 5	22 37	23 46	3 54	23 25	0 1	22 58	2 16	23 13	0 32	23 1	0 2	21 21	0 24	23 34	0 10	21 45	1 23	13 4	9 21	3 25	2 58	9 40	2 37	2 22
T 6	22 43	26 50	4 32	23 9	0s13	22 44	2 15	23 18	0 33	23 2	0 2	21 19	0 24	23 34	0 10	21 45	1 23	13 4	9 21	3 21	2 57	9 37	2 37	2 21
F 7	22 49	28 20	4 55	22 54	0 29	22 29	2 15	23 23	0 34	23 2	0 1	21 18	0 24	23 34	0 10	21 45	1 23	13 5	9 21	3 17	2 56	9 33	2 37	2 21
S 8	22 55	28 13	5 2	22 38	0 44	22 14	2 13	23 27	0 34	23 3	0 1	21 17	0 24	23 33	0 10	21 45	1 23	13 5	9 21	3 12	2 54	9 30	2 37	2 20
S 9	23 0	26 36	4 54	22 21	1 0	21 58	2 12	23 32	0 35	23 4	0 1	21 16	0 24	23 33	0 10	21 45	1 23	13 5	9 21	3 8	2 53	9 27	2 37	2 20
M10	23 0	23 43	4 32	22 5	1 17	21 42	2 11	23 36	0 35	23 4	0 1	21 15	0 24	23 33	0 10	21 45	1 23	13 5	9 21	3 4	2 52	9 24	2 37	2 19
T 11	23 9	19 50	3 57	21 49	1 34	21 25	2 10	23 40	0 36	23 5	0 1	21 13	0 24	23 33	0 10	21 44	1 23	13 5	9 21	3 2	2 51	9 20	2 37	2 18
W12	23 13	15 12	3 13	21 32	1 50	21 8	2 8	23 43	0 36	23 6	0 1	21 12	0 24	23 33	0 10	21 44	1 23	13 6	9 21	3 0	2 49	9 17	2 37	2 18
T 13	23 16	10 3	2 21	21 16	2 7	20 50	2 6	23 47	0 37	23 6	0 1	21 11	0 24	23 33	0 10	21 44	1 23	13 6	9 21	2 59	2 48	9 14	2 37	2 17
F 14	23 19	4 33	1 23	21 0	2 5	20 32	2 5	23 50	0 37	23 7	0 0	21 10	0 24	23 33	0 10	21 44	1 23	13 6	9 21	2 59	2 47	9 10	2 37	2 17
S 15	23 22	1s 7	0 21	20 45	2 40	20 13	2 3	23 53	0 38	23 8	0 0	21 8	0 24	23 33	0 10	21 44	1 23	13 6	9 21	2 59	2 46	9 7	2 37	2 16
S 16	23 24	6 48	0s43	20 30	2 56	19 54	2 1	23 56	0 38	23 8	0 0	21 7	0 24	23 33	0 10	21 44	1 23	13 6	9 21	2 59	2 44	9 4	2 38	2 15
M17	23 26	12 21	1 46	20 16	3 11	19 34	1 58	23 58	0 39	23 9	0 0	21 6	0 24	23 33	0 10	21 44	1 23	13 6	9 21	2 58	2 43	9 1	2 38	2 15
T 18	23 27	17 33	2 45	20 2	3 25	19 15	1 56	24 1	0 39	23 10	0s 0	21 4	0 24	23 33	0 10	21 44	1 23	13 7	9 21	2 57	2 42	8 57	2 38	2 14
W19	23 28	22 6	3 37	19 49	3 39	18 54	1 53	24 3	0 40	23 10	0 0	21 3	0 24	23 32	0 10	21 44	1 23	13 7	9 21	2 54	2 41	8 54	2 39	2 14
T 20	23 29	25 41	4 19	19 37	3 51	18 33	1 51	24 5	0 40	23 11	0 0	21 2	0 25	23 32	0 10	21 43	1 23	13 7	9 21	2 51	2 39	8 51	2 39	2 13
F 21	23 29	27 54	4 48	19 26	4 3	18 12	1 48	24 6	0 41	23 12	0 1	21 0	0 25	23 32	0 10	21 43	1 23	13 7	9 21	2 47	2 38	8 47	2 40	2 12
S 22	23 29	28 25	5 0	19 16	4 13	17 51	1 45	24 8	0 41	23 12	0 1	20 59	0 25	23 32	0 10	21 43	1 23	13 7	9 21	2 42	2 37	8 44	2 40	2 12
S 23	23 28	27 5	4 54	19 8	4 22	17 29	1 42	24 9	0 42	23 13	0 1	20 58	0 25	23 32	0 11	21 43	1 23	13 7	9 21	2				

SWISS EPHEMERIS for the year 1652

JULY 1652 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	18 38 33	9 ^h 32'57"	11 ^h 8'47"	26°R46	24 ^h 0'53	2 ^h 54	7°R40	29 ^h 13	23°R54	19°R36	13 ^h 12	6°R 7	6°Y 6	13 ^h 42	2 ^h 7
T 2	18 42 30	10°30'10"	25°18	26 ^h II38	25°53	3°34	7 ^h 33	29°20	23°52	19°35	13°13	6°Y 2	6° 2	13°48	2°11
W 3	18 46 26	11°27'22"	8 ^h II37	26°D35	26°53	4°14	7°25	29°28	23°49	19°33	13°14	5°54	5°59	13°55	2°15
T 4	18 50 23	12°24'35"	21°45	26°37	27°52	4°54	7°17	29°36	23°47	19°32	13°16	5°44	5°56	14° 2	2°19
F 5	18 54 19	13°21'49"	4 ^h 41	26°44	28°51	5°34	7°10	29°43	23°45	19°30	13°17	5°31	5°53	14° 8	2°23
S 6	18 58 16	14°19'02"	17°24	26°56	29°49	6°13	7° 2	29°51	23°42	19°29	13°18	5°19	5°50	14°15	2°27
S 7	19 2 12	15°16'16"	29°53	27°13	0 ^h 47	6°53	6°55	29°58	23°40	19°28	13°19	5° 6	5°47	14°22	2°31
M 8	19 6 9	16°13'30"	12 ^h 0'9	27°36	1°45	7°33	6°47	0 ^h 0'6	23°38	19°26	13°21	4°55	5°43	14°28	2°36
T 9	19 10 5	17°10'44"	24°13	28° 4	2°42	8°12	6°40	0°13	23°36	19°25	13°22	4°47	5°40	14°35	2°40
W10	19 14 2	18° 7'58"	6 ^h 8	28°38	3°39	8°52	6°32	0°21	23°34	19°23	13°23	4°41	5°37	14°42	2°44
T 11	19 17 59	19° 5'12"	17°57	29°17	4°35	9°32	6°25	0°29	23°32	19°22	13°24	4°38	5°34	14°48	2°49
F 12	19 21 55	20° 2'27"	29°45	0 ^h 1	5°31	10°11	6°17	0°36	23°29	19°21	13°25	4°D37	5°31	14°55	2°54
S 13	19 25 52	20°59'42"	11 ^h 35	0°50	6°26	10°51	6°10	0°44	23°27	19°19	13°26	4°37	5°27	15° 2	2°59
S 14	19 29 48	21°56'57"	23°34	1°45	7°21	11°30	6° 3	0°52	23°25	19°18	13°28	4°R37	5°24	15° 8	3° 3
M15	19 33 45	22°54'12"	5 ^h 47	2°44	8°16	12°10	5°56	0°59	23°23	19°17	13°29	4°37	5°21	15°15	3° 8
T 16	19 37 41	23°51'27"	18°19	3°49	9° 9	12°49	5°49	1° 7	23°21	19°15	13°30	4°34	5°18	15°22	3°13
W17	19 41 38	24°48'43"	1 ^h 14	4°58	10° 3	13°28	5°42	1°15	23°19	19°14	13°31	4°29	5°15	15°28	3°19
T 18	19 45 34	25°46'00"	14°36	6°13	10°55	14° 8	5°35	1°23	23°17	19°13	13°32	4°22	5°12	15°35	3°24
F 19	19 49 31	26°43'16"	28°24	7°32	11°47	14°47	5°28	1°30	23°15	19°12	13°33	4°13	5° 8	15°42	3°29
S 20	19 53 28	27°40'34"	12 ^h 38	8°56	12°39	15°26	5°22	1°38	23°14	19°11	13°34	4° 3	5° 5	15°48	3°35
S 21	19 57 24	28°37'52"	27°12	10°24	13°29	16° 6	5°15	1°46	23°12	19° 9	13°35	3°54	5° 2	15°55	3°40
M22	20 1 21	29°35'10"	11 ^h 39	11°57	14°19	16°45	5° 9	1°54	23°10	19° 8	13°36	3°45	4°59	16° 2	3°46
T 23	20 5 17	0 ^h 32'29"	26°52	13°34	15° 9	17°24	5° 2	2° 1	23° 8	19° 7	13°37	3°38	4°56	16° 8	3°51
W24	20 9 14	1°29'50"	11 ^h 41	15°15	15°57	18° 3	4°56	2° 9	23° 6	19° 6	13°38	3°34	4°53	16°15	3°57
T 25	20 13 10	2°27'11"	26°20	16°59	16°45	18°42	4°50	2°17	23° 5	19° 5	13°39	3°33	4°49	16°22	4° 3
F 26	20 17 7	3°24'33"	10 ^h 45	18°47	17°32	19°21	4°44	2°25	23° 3	19° 4	13°40	3°D33	4°46	16°28	4° 9
S 27	20 21 3	4°21'56"	24°53	20°38	18°19	20° 0	4°38	2°32	23° 1	19° 3	13°41	3°33	4°43	16°35	4°15
S 28	20 25 0	5°19'21"	8 ^h 43	22°32	19° 4	20°39	4°33	2°40	23° 0	19° 2	13°42	3°R33	4°40	16°42	4°21
M29	20 28 57	6°16'47"	22°16	24°28	19°49	21°18	4°27	2°48	22°58	19° 1	13°43	3°32	4°37	16°48	4°27
T 30	20 32 53	7°14'14"	5 ^h 33	26°27	20°32	21°57	4°22	2°56	22°57	19° 0	13°44	3°29	4°33	16°55	4°33
W31	20 36 50	8 ^h 11'43"	18 ^h 36	28°27	21 ^h 15	22°36	4 ^h 16	3 ^h 3	22°55	18°59	13 ^h 45	3°Y23	4°Y30	17 ^h 1	4 ^h 39

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23n 9	18n12	2n56	18n50	4s37	14n24	1n13	24n13	0n45	23s18	0s 2	20n46	0n25	23s31	0s11	21s42	1n23	13n 8	9s22	2n26	2n25	8n14	2s47	2s 7
T 2	23 4	22 49	3 49	18 54	4 33	14 0	1 9	24 12	0 46	23 18	0 2	20 45	0 25	23 31	0 11	21 42	1 23	13 8	9 22	2 24	2 24	8 11	2 48	2 6
W 3	23 0	26 11	4 27	19 0	4 27	13 35	1 4	24 11	0 46	23 19	0 2	20 43	0 25	23 31	0 11	21 42	1 23	13 8	9 22	2 21	2 23	8 8	2 49	2 6
T 4	22 54	28 5	4 52	19 7	4 20	13 10	1 0	24 10	0 47	23 20	0 2	20 42	0 26	23 31	0 11	21 42	1 23	13 8	9 22	2 17	2 22	8 4	2 50	2 5
F 5	22 49	28 24	5 0	19 15	4 12	12 46	0 55	24 9	0 47	23 20	0 3	20 40	0 26	23 31	0 11	21 42	1 22	13 9	9 22	2 12	2 20	8 1	2 51	2 4
S 6	22 43	27 12	4 54	19 24	4 3	12 20	0 50	24 8	0 48	23 21	0 3	20 39	0 26	23 31	0 11	21 42	1 22	13 9	9 22	2 7	2 19	7 58	2 52	2 4
S 7	22 37	24 40	4 33	19 34	3 53	11 55	0 45	24 6	0 48	23 21	0 3	20 37	0 26	23 31	0 11	21 42	1 22	13 9	9 22	2 2	2 18	7 54	2 53	2 3
M 8	22 30	21 2	4 0	19 45	3 42	11 30	0 40	24 5	0 48	23 22	0 3	20 35	0 26	23 31	0 11	21 42	1 22	13 9	9 22	1 58	2 17	7 51	2 55	2 3
T 9	22 23	16 34	3 17	19 57	3 31	11 4	0 34	24 3	0 49	23 22	0 3	20 34	0 26	23 31	0 11	21 42	1 22	13 9	9 22	1 54	2 15	7 48	2 56	2 2
W10	22 15	11 31	2 25	20 10	3 19	10 38	0 29	24 1	0 49	23 23	0 3	20 32	0 26	23 30	0 11	21 42	1 22	13 9	9 22	1 52	2 14	7 44	2 57	2 2
T 11	22 8	6 7	1 27	20 23	3 6	10 13	0 23	23 58	0 50	23 23	0 3	20 31	0 26	23 30	0 11	21 42	1 22	13 9	9 22	1 51	2 13	7 41	2 58	2 1
F 12	21 59	0 30	0 26	20 36	2 53	9 47	0 17	23 56	0 50	23 24	0 4	20 29	0 26	23 30	0 11	21 41	1 22	13 9	9 22	1 50	2 12	7 37	3 0	2 1
S 13	21 51	5s10	0s37	20 49	2 40	9 21	0 12	23 53	0 51	23 24	0 4	20 28	0 26	23 30	0 11	21 41	1 22	13 9	9 22	1 50	2 10	7 34	3 1	2 0
S 14	21 42	10 42	1 39	21 3	2 26	8 55	0 5	23 50	0 51	23 25	0 4	20 26	0 26	23 30	0 11	21 41	1 22	13 9	9 22	1 50	2 9	7 31	3 3	2 0
M15	21 32	15 57	2 38	21 16	2 12	8 28	0s 1	23 47	0 51	23 25	0 4	20 24	0 26	23 30	0 11	21 41	1 22	13 9	9 23	1 50	2 8	7 27	3 4	1 59
T 16	21 23	20 41	3 30	21 28	1 58	8 2	0 7	23 44	0 52	23 26	0 4	20 23	0 26	23 30	0 11	21 41	1 22	13 9	9 23	1 49	2 7	7 24	3 6	1 58
W17	21 12	24 35	4 14	21 40	1 43	7 36	0 14	23 40	0 52	23 26	0 4	20 21	0 27	23 30	0 11	21 41	1 22	13 9	9 23	1 47	2 5	7 21	3 7	1 58
T 18	21 2	27 19	4 45	21 51	1 29	7 10	0 21	23 37	0 53	23 26	0 4	20 20	0 27	23 30	0 11	21 41	1 22	13 9	9 23	1 44	2 4	7 17	3 9	1 57
F 19	20 51	28 30	5 2	22 2	1 15	6 44	0 28	23 33	0 53	23 27	0 5	20 18	0 27	23 30	0 11	21 41	1 22	13 9	9 23	1 41	2 3	7 14	3 11	1 57
S 20	20 40	27 51	5 0	22 10	1 1	6 18	0 35	23 29	0 54	23 27	0 5	20 16	0 27	23 29	0 11	21 41	1 22	13 9	9 23	1 37	2 2	7 11	3 12	1 56
S 21	20 29	25 19	4 39	22 18	0 47	5 51	0 42	23 24	0 54	23 28	0 5	20 15	0 27	23 29	0 11	21 41	1 22	13 9	9 23	1 33	2 0	7 7	3 14	1 56
M22	20 17	21 3	3 59	22 24	0 33	5 25	0 49	23 20	0 54	23 28	0 5	20 13	0 27	23 29	0 11	21 41	1 22	13 9	9 23	1 30	1 59	7 4	3 16	1 55
T 23	20 4	15 27	3 3	22 28	0 20	4 59	0 57	23 15	0 55	23 28	0 5	20 11	0 27	23 29	0 11	21 41	1 22	13 9	9 23	1 27	1 58	7 1	3 18	1 55
W24	19 52	8 57	1 54	22 30	0 7	4 33	1 5	23 11	0 55	23 29	0 5	20 10	0 27	23 29	0 11	21 41	1 22	13 9	9 23	1 25	1 56	6 57	3 19	1 54
T 25	19 39	2 3	0 38	22 30	0n 6	4 7	1 13	23 6	0 56	23 29	0 5	20 8	0 27	23 29	0 11	21 41	1 22	13 9	9 24	1 25	1 55	6 54	3 21	1 54
F 26	19 26	4n51	0n39	22 27	0 18	3 42	1 21	23 1	0 56	23 30	0 5	20 6	0 27	23 29	0 11	21 41	1 22	13 9	9 24	1 25	1 54	6 50	3 23	1 53
S 27	19 12	11 23	1 52	22 22	0 29	3 16	1 29	22 55	0 56	23 30	0 6	20 5	0 27	23 29	0 11	21 41	1 22	13 9	9 24	1 25	1 53	6 47	3 25	1 53
S 28	18 59	17 13	2 57	22 15	0 39	2 51	1 37	22 50	0 57	23 30	0 6	20 3	0 27	23 29	0 11	21 41	1 22	13 9	9 24	1 25	1 51	6 44	3 27	1

SWISS EPHEMERIS for the year 1652

AUGUST 1652 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	20 40 46	9Ω 9'13	1☾25	0Ω28	21♁57	23☾15	4°R11	3Ω11	22°R54	18°R58	13II46	3°R16	4°Y27	17♁ 8	4Ω46
F 2	20 44 43	10° 6'44	14° 1	2°31	22°38	23°54	4☾ 6	3°19	22°52	18°57	13°46	3°Y 7	4°24	17°15	4°52
S 3	20 48 39	11° 4'16	26°27	4°34	23°17	24°33	4° 2	3°27	22°51	18°56	13°47	2°57	4°21	17°21	4°59
S 4	20 52 36	12° 1'49	8Ω41	6°38	23°56	25°12	3°57	3°34	22°50	18°56	13°48	2°48	4°18	17°28	5° 5
M 5	20 56 33	12°59'23	20°46	8°42	24°34	25°50	3°52	3°42	22°48	18°55	13°49	2°40	4°14	17°35	5°12
T 6	21 0 29	13°56'59	2♁43	10°45	25°10	26°29	3°48	3°50	22°47	18°54	13°50	2°34	4°11	17°41	5°18
W 7	21 4 26	14°54'35	14°34	12°48	25°45	27° 8	3°44	3°57	22°46	18°53	13°51	2°30	4° 8	17°48	5°25
T 8	21 8 22	15°52'13	26°20	14°51	26°19	27°47	3°40	4° 5	22°45	18°53	13°51	2°28	4° 5	17°55	5°32
F 9	21 12 19	16°49'51	8Ω 7	16°53	26°51	28°25	3°36	4°13	22°44	18°52	13°52	2°D28	4° 2	18° 1	5°39
S 10	21 16 15	17°47'31	19°57	18°54	27°23	29° 4	3°32	4°20	22°43	18°51	13°53	2°29	3°59	18° 8	5°46
S 11	21 20 12	18°45'12	1III55	20°54	27°52	29°42	3°29	4°28	22°42	18°51	13°53	2°31	3°55	18°15	5°53
M12	21 24 8	19°42'54	14° 7	22°52	28°21	0Ω21	3°26	4°35	22°41	18°50	13°54	2°R32	3°52	18°21	6° 0
T 13	21 28 5	20°40'37	26°37	24°50	28°47	1° 0	3°22	4°43	22°40	18°50	13°55	2°32	3°49	18°28	6° 7
W14	21 32 1	21°38'21	9°29	26°46	29°12	1°38	3°19	4°51	22°39	18°49	13°55	2°30	3°46	18°35	6°14
T 15	21 35 58	22°36'06	22°48	28°41	29°36	2°17	3°17	4°58	22°38	18°49	13°56	2°27	3°43	18°41	6°22
F 16	21 39 55	23°33'53	6☾35	0♁35	29°57	2°55	3°14	5° 6	22°37	18°48	13°57	2°22	3°39	18°48	6°29
S 17	21 43 51	24°31'41	20°51	2°27	0Ω17	3°33	3°12	5°13	22°37	18°48	13°57	2°17	3°36	18°55	6°36
S 18	21 47 48	25°29'30	5Ω31	4°18	0°35	4°12	3° 9	5°21	22°36	18°47	13°58	2°11	3°33	19° 1	6°44
M19	21 51 44	26°27'20	20°29	6° 8	0°51	4°50	3° 7	5°28	22°35	18°47	13°58	2° 6	3°30	19° 8	6°51
T 20	21 55 41	27°25'11	5H37	7°56	1° 6	5°29	3° 6	5°35	22°35	18°46	13°59	2° 3	3°27	19°14	6°59
W21	21 59 37	28°23'05	20°45	9°43	1°18	6° 7	3° 4	5°43	22°34	18°46	13°59	2° 1	3°24	19°21	7° 6
T 22	22 3 34	29°20'59	5°Y44	11°29	1°28	6°45	3° 2	5°50	22°34	18°46	14° 0	2°D 1	3°20	19°28	7°14
F 23	22 7 30	0♁18'56	20°26	13°13	1°36	7°23	3° 1	5°57	22°33	18°46	14° 0	2° 1	3°17	19°34	7°22
S 24	22 11 27	1°16'55	4Ω48	14°56	1°42	8° 2	3° 0	6° 5	22°33	18°45	14° 1	2° 3	3°14	19°41	7°29
S 25	22 15 24	2°14'55	18°46	16°38	1°45	8°40	2°59	6°12	22°32	18°45	14° 1	2° 4	3°11	19°48	7°37
M26	22 19 20	3°12'57	2II22	18°18	1°R46	9°18	2°58	6°19	22°32	18°45	14° 1	2°R 5	3° 8	19°54	7°45
T 27	22 23 17	4°11'02	15°35	19°57	1°45	9°56	2°58	6°26	22°32	18°45	14° 2	2° 4	3° 5	20° 1	7°53
W28	22 27 13	5° 9'08	28°29	21°35	1°42	10°34	2°57	6°33	22°32	18°45	14° 2	2° 2	3° 1	20° 8	8° 1
T 29	22 31 10	6° 7'17	11☾ 6	23°12	1°36	11°12	2°D57	6°41	22°31	18°45	14° 3	2° 0	2°58	20°14	8° 9
F 30	22 35 6	7° 5'27	23°29	24°48	1°28	11°51	2°57	6°48	22°31	18°D45	14° 3	1°56	2°55	20°21	8°17
S 31	22 39 3	8♁ 3'39	5Ω41	26♁22	1Ω18	12Ω29	2☾58	6Ω55	22°D31	18°45	14° 3	1°Y52	2°Y52	20♁28	8Ω25

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	18n 0	28n34	5n 6	21n18	1n15	1n10	2s12	22n26	0n58	23s31	0s 6	19n56	0n28	23s28	0s11	21s40
F 2	17 45	27 43	5 0	20 57	1 21	0 46	2 22	22 20	0 59	23 32	0 6	19 54	0 28	23 28	0 11	21 40
S 3	17 29	25 30	4 41	20 34	1 27	0 22	2 31	22 13	0 59	23 32	0 6	19 53	0 28	23 28	0 11	21 40
S 4	17 13	22 7	4 9	20 8	1 32	0s 2	2 40	22 7	0 59	23 32	0 7	19 51	0 28	23 28	0 11	21 40
M 5	16 57	17 50	3 25	19 40	1 37	0 26	2 50	22 0	1 0	23 33	0 7	19 49	0 28	23 28	0 11	21 40
T 6	16 40	12 55	2 34	19 10	1 40	0 49	3 0	21 53	1 0	23 33	0 7	19 48	0 28	23 28	0 11	21 40
W 7	16 24	7 33	1 35	18 38	1 43	1 13	3 10	21 46	1 1	23 33	0 7	19 46	0 28	23 28	0 11	21 40
T 8	16 7	1 58	0 33	18 5	1 44	1 35	3 20	21 39	1 1	23 33	0 7	19 44	0 28	23 28	0 11	21 40
F 9	15 49	3s42	0s31	17 29	1 46	1 58	3 30	21 31	1 1	23 33	0 7	19 42	0 29	23 28	0 11	21 40
S 10	15 32	9 15	1 33	16 52	1 46	2 19	3 40	21 24	1 2	23 34	0 7	19 41	0 29	23 28	0 11	21 40
S 11	15 14	14 33	2 33	16 14	1 46	2 41	3 51	21 16	1 2	23 34	0 7	19 39	0 29	23 28	0 11	21 40
M12	14 56	19 24	3 27	15 34	1 45	3 2	4 1	21 8	1 2	23 34	0 8	19 37	0 29	23 28	0 11	21 40
T 13	14 38	23 31	4 12	14 54	1 43	3 22	4 12	21 0	1 3	23 34	0 8	19 35	0 29	23 28	0 11	21 40
W14	14 19	26 38	4 46	14 12	1 41	3 42	4 23	20 52	1 3	23 34	0 8	19 34	0 29	23 28	0 11	21 40
T 15	14 0	28 23	5 7	13 30	1 39	4 1	4 34	20 43	1 3	23 35	0 8	19 32	0 29	23 28	0 11	21 40
F 16	13 42	28 29	5 10	12 47	1 36	4 20	4 45	20 35	1 4	23 35	0 8	19 30	0 29	23 28	0 11	21 40
S 17	13 22	26 43	4 55	12 3	1 32	4 38	4 56	20 26	1 4	23 35	0 8	19 29	0 29	23 28	0 11	21 40
S 18	13 3	23 8	4 20	11 19	1 28	4 56	5 7	20 17	1 4	23 35	0 8	19 27	0 29	23 27	0 11	21 40
M19	12 43	17 58	3 27	10 35	1 24	5 12	5 18	20 9	1 5	23 35	0 8	19 25	0 30	23 27	0 11	21 40
T 20	12 24	11 38	2 19	9 50	1 19	5 28	5 29	20 0	1 5	23 35	0 8	19 23	0 30	23 27	0 11	21 40
W21	12 4	4 37	1 1	9 5	1 14	5 43	5 40	19 50	1 6	23 36	0 9	19 22	0 30	23 27	0 11	21 40
T 22	11 43	2n35	0n20	8 20	1 8	5 57	5 52	19 41	1 6	23 36	0 9	19 20	0 30	23 27	0 11	21 40
F 23	11 23	9 32	1 39	7 34	1 3	6 11	6 3	19 32	1 6	23 36	0 9	19 18	0 30	23 27	0 11	21 40
S 24	11 2	15 49	2 50	6 49	0 57	6 23	6 14	19 22	1 7	23 36	0 9	19 17	0 30	23 27	0 11	21 40
S 25	10 42	21 6	3 49	6 4	0 50	6 35	6 25	19 12	1 7	23 36	0 9	19 15	0 30	23 27	0 11	21 41
M26	10 21	25 8	4 33	5 18	0 44	6 45	6 35	19 3	1 7	23 36	0 9	19 13	0 30	23 27	0 11	21 41
T 27	10 0	27 42	5 1	4 33	0 37	6 54	6 46	18 53	1 8	23 36	0 9	19 11	0 30	23 27	0 11	21 41
W28	9 38	28 42	5 13	3 48	0 30	7 3	6 57	18 43	1 8	23 37	0 9	19 10	0 31	23 27	0 11	21 41
T 29	9 17	28 10	5 10	3 3	0 23	7 10	7 7	18 32	1 8	23 37	0 9	19 8	0 31	23 27	0 11	21 41
F 30	8 56	26 14	4 52	2 19	0 16	7 16	7 17	18 22	1 9	23 37	0 9	19 6	0 31	23 27	0 11	21 41
S 31	8n34	23n 6	4n21	1n34	0n 8	7s20	7s27	18n12	1n 9	23s37	0s10	19n 5	0n31	23s27	0s11	21s41

Julian Day Number = 2324653.5, Delta T = 43.75 sec
 Ecliptic obliquity = 23°29'13, Nutation = - 0°00'00
 Ayanamsha: Fagan/Bradley = 19°53'28, Lahiri = 19°00'28Greg. Calendar

SWISS EPHEMERIS for the year 1652

SEPTEMBER 1652 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	22 43 0	9 ^h 1'53	17 ^h Ω43	27 ^h ♍55	1 ^h R 5	13 ^h Ω 7	2 ^h ♁58	7 ^h Ω 2	22 ^h ♁31	18 ^h ♁45	14 ^h ♁ 3	1 ^h R48	2 ^h Υ49	20 ^h ♍34	8 ^h ♁33								
M 2	22 46 56	10 ^h 0'09	29 ^h ♁39	29 ^h ♁27	0 ^h ♁50	13 ^h 45	2 ^h ♁59	7 ^h 9	22 ^h ♁31	18 ^h 45	14 ^h 4	1 ^h Υ45	2 ^h 45	20 ^h 41	8 ^h 41								
T 3	22 50 53	10 ^h 58'27	11 ^h ♍29	0 ^h ♁58	0 ^h 32	14 ^h 23	2 ^h 59	7 ^h 16	22 ^h ♁31	18 ^h 45	14 ^h 4	1 ^h 42	2 ^h 42	20 ^h 48	8 ^h 49								
W 4	22 54 49	11 ^h 56'46	23 ^h 17	2 ^h 28	0 ^h 13	15 ^h 1	3 ^h 0	7 ^h 22	22 ^h ♁32	18 ^h 45	14 ^h 4	1 ^h 41	2 ^h 39	20 ^h 54	8 ^h 57								
T 5	22 58 46	12 ^h 55'08	5 ^h ♁ 4	3 ^h 56	29 ^h ♍51	15 ^h 38	3 ^h 2	7 ^h 29	22 ^h ♁32	18 ^h 45	14 ^h 4	1 ^h D41	2 ^h 36	21 ^h 1	9 ^h 6								
F 6	23 2 42	13 ^h 53'30	16 ^h 52	5 ^h 23	29 ^h ♁27	16 ^h 16	3 ^h 3	7 ^h 36	22 ^h ♁32	18 ^h 45	14 ^h 4	1 ^h 42	2 ^h 33	21 ^h 7	9 ^h 14								
S 7	23 6 39	14 ^h 51'55	28 ^h 45	6 ^h 49	29 ^h 1	16 ^h 54	3 ^h 5	7 ^h 43	22 ^h ♁32	18 ^h 46	14 ^h 5	1 ^h 43	2 ^h 30	21 ^h 14	9 ^h 22								
S 8	23 10 35	15 ^h 50'22	10 ^h ♁47	8 ^h 14	28 ^h 33	17 ^h 32	3 ^h 6	7 ^h 50	22 ^h ♁33	18 ^h 46	14 ^h 5	1 ^h 44	2 ^h 26	21 ^h 21	9 ^h 31								
M 9	23 14 32	16 ^h 48'50	23 ^h 0	9 ^h 37	28 ^h 3	18 ^h 10	3 ^h 8	7 ^h 56	22 ^h ♁33	18 ^h 46	14 ^h 5	1 ^h 46	2 ^h 23	21 ^h 27	9 ^h 39								
T 10	23 18 28	17 ^h 47'20	5 ^h ♁29	10 ^h 59	27 ^h 31	18 ^h 48	3 ^h 10	8 ^h 3	22 ^h ♁34	18 ^h 47	14 ^h 5	1 ^h 46	2 ^h 20	21 ^h 34	9 ^h 47								
W 11	23 22 25	18 ^h 45'51	18 ^h 19	12 ^h 20	26 ^h 59	19 ^h 25	3 ^h 13	8 ^h 9	22 ^h ♁34	18 ^h 47	14 ^h 5	1 ^h R47	2 ^h 17	21 ^h 41	9 ^h 56								
T 12	23 26 22	19 ^h 44'24	1 ^h ♁31	13 ^h 39	26 ^h 24	20 ^h 3	3 ^h 15	8 ^h 16	22 ^h ♁35	18 ^h 47	14 ^h 5	1 ^h 47	2 ^h 14	21 ^h 47	10 ^h 4								
F 13	23 30 18	20 ^h 42'59	15 ^h 10	14 ^h 58	25 ^h 49	20 ^h 41	3 ^h 18	8 ^h 22	22 ^h ♁35	18 ^h 48	14 ^h R 5	1 ^h 46	2 ^h 11	21 ^h 54	10 ^h 13								
S 14	23 34 15	21 ^h 41'36	29 ^h 16	16 ^h 14	25 ^h 13	21 ^h 19	3 ^h 21	8 ^h 29	22 ^h ♁36	18 ^h 48	14 ^h 5	1 ^h 45	2 ^h 7	22 ^h 1	10 ^h 21								
S 15	23 38 11	22 ^h 40'14	13 ^h ♁48	17 ^h 29	24 ^h 37	21 ^h 56	3 ^h 24	8 ^h 35	22 ^h ♁37	18 ^h 49	14 ^h 5	1 ^h 44	2 ^h 4	22 ^h 7	10 ^h 30								
M 16	23 42 8	23 ^h 38'54	28 ^h 41	18 ^h 42	24 ^h 0	22 ^h 34	3 ^h 27	8 ^h 41	22 ^h ♁37	18 ^h 49	14 ^h 5	1 ^h 43	2 ^h 1	22 ^h 14	10 ^h 38								
T 17	23 46 4	24 ^h 37'35	13 ^h ♁49	19 ^h 54	23 ^h 23	23 ^h 11	3 ^h 30	8 ^h 47	22 ^h ♁38	18 ^h 50	14 ^h 5	1 ^h 42	1 ^h 58	22 ^h 21	10 ^h 47								
W 18	23 50 1	25 ^h 36'19	2 ^h 2	21 ^h 4	22 ^h 46	23 ^h 49	3 ^h 34	8 ^h 54	22 ^h ♁39	18 ^h 50	14 ^h 5	1 ^h D42	1 ^h 55	22 ^h 27	10 ^h 55								
T 19	23 53 57	26 ^h 35'04	14 ^h Υ12	22 ^h 12	22 ^h 9	24 ^h 27	3 ^h 38	9 ^h 0	22 ^h ♁40	18 ^h 51	14 ^h 5	1 ^h 42	1 ^h 51	22 ^h 34	11 ^h 4								
F 20	23 57 54	27 ^h 33'52	29 ^h 8	23 ^h 18	21 ^h 33	25 ^h 4	3 ^h 42	9 ^h 6	22 ^h ♁41	18 ^h 52	14 ^h 4	1 ^h 42	1 ^h 48	22 ^h 41	11 ^h 13								
S 21	0 1 51	28 ^h 32'42	13 ^h ♁45	24 ^h 22	20 ^h 58	25 ^h 42	3 ^h 46	9 ^h 12	22 ^h ♁42	18 ^h 52	14 ^h 4	1 ^h 42	1 ^h 45	22 ^h 47	11 ^h 21								
S 22	0 5 47	29 ^h 31'34	27 ^h 56	25 ^h 23	20 ^h 24	26 ^h 19	3 ^h 50	9 ^h 18	22 ^h ♁43	18 ^h 53	14 ^h 4	1 ^h 43	1 ^h 42	22 ^h 54	11 ^h 30								
M 23	0 9 44	0 ^h ♁30'28	11 ^h ♁40	26 ^h 22	19 ^h 52	26 ^h 56	3 ^h 55	9 ^h 23	22 ^h ♁44	18 ^h 54	14 ^h 4	1 ^h 43	1 ^h 39	23 ^h 0	11 ^h 39								
T 24	0 13 40	1 ^h 29'25	24 ^h 59	27 ^h 18	19 ^h 20	27 ^h 34	3 ^h 59	9 ^h 29	22 ^h ♁45	18 ^h 55	14 ^h 4	1 ^h 43	1 ^h 36	23 ^h 7	11 ^h 47								
W 25	0 17 37	2 ^h 28'24	7 ^h ♁53	28 ^h 12	18 ^h 51	28 ^h 11	4 ^h 4	9 ^h 35	22 ^h ♁47	18 ^h 55	14 ^h 3	1 ^h 43	1 ^h 32	23 ^h 14	11 ^h 56								
T 26	0 21 33	3 ^h 27'26	20 ^h 26	29 ^h 2	18 ^h 23	28 ^h 49	4 ^h 9	9 ^h 40	22 ^h ♁48	18 ^h 56	14 ^h 3	1 ^h 43	1 ^h 29	23 ^h 20	12 ^h 5								
F 27	0 25 30	4 ^h 26'30	2 ^h Ω43	29 ^h 49	17 ^h 58	29 ^h 26	4 ^h 14	9 ^h 46	22 ^h ♁49	18 ^h 57	14 ^h 3	1 ^h 43	1 ^h 26	23 ^h 27	12 ^h 14								
S 28	0 29 26	5 ^h 25'36	14 ^h 46	0 ^h ♁32	17 ^h 34	0 ^h η 3	4 ^h 20	9 ^h 52	22 ^h ♁51	18 ^h 58	14 ^h 3	1 ^h 44	1 ^h 23	23 ^h 34	12 ^h 22								
S 29	0 33 23	6 ^h 24'44	26 ^h 41	1 ^h 11	17 ^h 13	0 ^h 41	4 ^h 25	9 ^h 57	22 ^h ♁52	18 ^h 59	14 ^h 2	1 ^h 44	1 ^h 20	23 ^h 40	12 ^h 31								
M 30	0 37 20	7 ^h 23'55	8 ^h η31	1 ^h ♁45	16 ^h η53	1 ^h η18	4 ^h 31	10 ^h Ω 2	22 ^h ♁54	19 ^h ♁ 0	14 ^h II 2	1 ^h Υ45	1 ^h Υ16	23 ^h η47	12 ^h ♁40								

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	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	8n12	19n 1	3n39	0n50	0n 1	7s24	7s36	18n 1	1n 9	23s37	0s10	19n 3	0n31	23s27	0s11	21s41	1n20	13n 7	9s29	0n43	1n 7	4n45	4s53	1s37
M 2	7 50	14 14	2 48	0 7	0s 7	7 26	7 45	17 51	1 9	23 37	0 10	19 1	0 31	23 27	0 11	21 41	1 20	13 7	9 29	0 42	1 6	4 41	4 56	1 37
T 3	7 28	8 57	1 49	0s37	0 15	7 27	7 53	17 40	1 10	23 37	0 10	19 0	0 31	23 27	0 11	21 41	1 20	13 7	9 29	0 41	1 5	4 38	4 59	1 37
W 4	7 6	3 23	0 46	1 20	0 23	7 26	8 1	17 29	1 10	23 37	0 10	18 58	0 31	23 27	0 11	21 41	1 20	13 6	9 29	0 40	1 3	4 35	5 2	1 36
T 5	6 43	2s18	0s19	2 2	0 31	7 24	8 8	17 18	1 10	23 37	0 10	18 56	0 31	23 27	0 11	21 41	1 20	13 6	9 30	0 40	1 2	4 31	5 5	1 36
F 6	6 21	7 55	1 23	2 44	0 39	7 21	8 15	17 7	1 11	23 37	0 10	18 55	0 32	23 27	0 11	21 41	1 20	13 6	9 30	0 41	1 1	4 28	5 8	1 35
S 7	5 58	13 18	2 24	3 26	0 47	7 16	8 21	16 56	1 11	23 37	0 10	18 53	0 32	23 27	0 11	21 41	1 20	13 6	9 30	0 41	1 0	4 24	5 11	1 35
S 8	5 36	18 15	3 20	4 7	0 55	7 10	8 27	16 44	1 11	23 37	0 10	18 52	0 32	23 27	0 11	21 41	1 20	13 6	9 30	0 42	0 58	4 21	5 14	1 35
M 9	5 13	22 33	4 8	4 47	1 3	7 2	8 31	16 33	1 12	23 37	0 10	18 50	0 32	23 27	0 11	21 41	1 20	13 6	9 30	0 42	0 57	4 18	5 16	1 34
T 10	4 50	25 56	4 45	5 27	1 11	6 53	8 35	16 22	1 12	23 37	0 11	18 48	0 32	23 27	0 11	21 41	1 20	13 5	9 30	0 42	0 56	4 14	5 19	1 34
W 11	4 27	28 6	5 9	6 6	1 19	6 43	8 38	16 10	1 12	23 38	0 11	18 47	0 32	23 27	0 11	21 42	1 19	13 5	9 31	0 43	0 55	4 11	5 22	1 34
T 12	4 4	28 46	5 17	6 44	1 27	6 31	8 40	15 58	1 13	23 38	0 11	18 45	0 32	23 27	0 11	21 42	1 19	13 5	9 31	0 42	0 53	4 7	5 25	1 33
F 13	3 41	27 44	5 9	7 22	1 35	6 18	8 41	15 47	1 13	23 38	0 11	18 44	0 32	23 27	0 11	21 42	1 19	13 5	9 31	0 42	0 52	4 4	5 28	1 33
S 14	3 18	24 56	4 41	7 59	1 43	6 5	8 42	15 35																

SWISS EPHEMERIS for the year 1652

OCTOBER 1652 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 41 16	8♂23'07	20♏18	2♏15	16°R37	1♏55	4♂37	10♌8	22♏55	19♏1	14°R 2	1♏45	1♏13	23♏54	12♏49
W 2	0 45 13	9°22'22	2♏5	2°39	16♏22	2°32	4°43	10°13	22°57	19°2	14♏1	1°R45	1°10	24°0	12°57
T 3	0 49 9	10°21'39	13°56	2°57	16°10	3°10	4°49	10°18	22°58	19°3	14°1	1°45	1°7	24°7	13°6
F 4	0 53 6	11°20'58	25°51	3°10	16°1	3°47	4°55	10°23	23°0	19°4	14°0	1°44	1°4	24°14	13°15
S 5	0 57 2	12°20'19	7♏53	3°R15	15°53	4°24	5°2	10°28	23°2	19°5	14°0	1°43	1°1	24°20	13°24
S 6	1 0 59	13°19'42	20°3	3°13	15°49	5°1	5°8	10°33	23°3	19°7	13°59	1°41	0°57	24°27	13°33
M 7	1 4 55	14°19'07	2♏26	3°4	15°D46	5°38	5°15	10°38	23°5	19°8	13°59	1°40	0°54	24°34	13°41
T 8	1 8 52	15°18'33	15°1	2°47	15°47	6°15	5°22	10°42	23°7	19°9	13°58	1°38	0°51	24°40	13°50
W 9	1 12 49	16°18'02	27°53	2°21	15°49	6°52	5°29	10°47	23°9	19°10	13°58	1°37	0°48	24°47	13°59
T 10	1 16 45	17°17'33	11♏3	1°47	15°54	7°29	5°36	10°52	23°11	19°11	13°57	1°D36	0°45	24°53	14°8
F 11	1 20 42	18°17'05	24°34	1°4	16°1	8°6	5°44	10°56	23°13	19°13	13°57	1°36	0°42	25°0	14°17
S 12	1 24 38	19°16'39	8♏26	0°13	16°10	8°43	5°51	11°0	23°15	19°14	13°56	1°36	0°38	25°7	14°25
S 13	1 28 35	20°16'14	22°41	29♏15	16°22	9°20	5°59	11°5	23°17	19°15	13°56	1°38	0°35	25°13	14°34
M14	1 32 31	21°15'51	7♏17	28°10	16°35	9°57	6°7	11°9	23°19	19°17	13°55	1°39	0°32	25°20	14°43
T 15	1 36 28	22°15'30	22°9	27°0	16°51	10°34	6°15	11°13	23°21	19°18	13°54	1°40	0°29	25°27	14°52
W16	1 40 24	23°15'11	7♏11	25°46	17°8	11°10	6°23	11°17	23°23	19°20	13°54	1°R40	0°26	25°33	15°0
T 17	1 44 21	24°14'54	22°15	24°31	17°28	11°47	6°31	11°21	23°26	19°21	13°53	1°39	0°22	25°40	15°9
F 18	1 48 17	25°14'39	7♏12	23°16	17°50	12°24	6°39	11°25	23°28	19°23	13°52	1°37	0°19	25°47	15°18
S 19	1 52 14	26°14'26	21°54	22°4	18°13	13°1	6°48	11°29	23°30	19°24	13°51	1°34	0°16	25°53	15°27
S 20	1 56 11	27°14'15	6♏14	20°58	18°38	13°37	6°56	11°32	23°32	19°26	13°51	1°30	0°13	26°0	15°35
M21	2 0 7	28°14'06	20°7	19°58	19°5	14°14	7°5	11°36	23°35	19°27	13°50	1°26	0°10	26°7	15°44
T 22	2 4 4	29°14'00	3♏33	19°7	19°34	14°51	7°14	11°39	23°37	19°29	13°49	1°23	0°7	26°13	15°53
W23	2 8 0	0♏13'56	16°33	18°27	20°4	15°27	7°23	11°43	23°40	19°30	13°48	1°21	0°3	26°20	16°1
T 24	2 11 57	1°13'54	29°8	17°57	20°36	16°4	7°32	11°46	23°42	19°32	13°48	1°D20	0°0	26°27	16°10
F 25	2 15 53	2°13'54	11♏25	17°39	21°9	16°40	7°41	11°49	23°45	19°34	13°47	1°20	29♏57	26°33	16°19
S 26	2 19 50	3°13'56	23°26	17°D32	21°44	17°17	7°51	11°52	23°47	19°35	13°46	1°22	29°54	26°40	16°27
S 27	2 23 47	4°14'00	5♏18	17°37	22°20	17°53	8°0	11°55	23°50	19°37	13°45	1°24	29°51	26°46	16°36
M28	2 27 43	5°14'07	17°5	17°53	22°57	18°30	8°10	11°58	23°53	19°39	13°44	1°25	29°48	26°53	16°44
T 29	2 31 40	6°14'15	28°52	18°18	23°36	19°6	8°20	12°1	23°55	19°41	13°43	1°R26	29°44	27°0	16°53
W30	2 35 36	7°14'26	10♏42	18°53	24°15	19°43	8°29	12°4	23°58	19°42	13°43	1°26	29°41	27°6	17°1
T 31	2 39 33	8♏14'38	22♏38	19♏36	24♏57	20♏19	8♂39	12♌6	24♏1	19♏44	13♏42	1♏23	29♏38	27♏13	17♏10

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	3s20	4n49	1n 3	15s28	3s25	0s49	6s38	12n 1	1n18	23s37	0s12	18n18	0n35	23s29	0s11	21s44	1n18	13n 2	9s34	0n42	0n29	3n 2	6s24	1s27
W 2	3 43	0s52	0s 2	15 39	3 26	0 32	6 26	11 48	1 18	23 37	0 12	18 17	0 35	23 29	0 11	21 44	1 18	13 2	9 34	0 42	0 28	2 59	6 27	1 27
T 3	4 7	6 32	1 7	15 46	3 27	0 16	6 13	11 35	1 18	23 36	0 12	18 15	0 35	23 29	0 11	21 44	1 18	13 1	9 34	0 42	0 27	2 55	6 31	1 26
F 4	4 30	12 1	2 10	15 50	3 27	0 1	6 0	11 22	1 19	23 36	0 13	18 14	0 35	23 29	0 11	21 44	1 18	13 1	9 34	0 42	0 25	2 52	6 34	1 26
S 5	4 53	17 7	3 2	15 51	3 26	0n14	5 48	11 8	1 19	23 36	0 13	18 13	0 35	23 29	0 11	21 44	1 18	13 1	9 34	0 41	0 24	2 48	6 37	1 26
S 6	5 16	21 36	3 57	15 48	3 24	0 28	5 34	10 55	1 19	23 36	0 13	18 12	0 35	23 29	0 11	21 44	1 18	13 1	9 35	0 40	0 23	2 45	6 40	1 25
M 7	5 39	25 12	4 36	15 41	3 20	0 41	5 21	10 42	1 19	23 36	0 13	18 11	0 36	23 29	0 11	21 45	1 18	13 1	9 35	0 40	0 22	2 41	6 43	1 25
T 8	6 2	27 40	5 3	15 30	3 15	0 53	5 8	10 28	1 20	23 36	0 13	18 10	0 36	23 29	0 11	21 45	1 18	13 0	9 35	0 39	0 20	2 38	6 46	1 25
W 9	6 25	28 44	5 16	15 15	3 8	1 4	4 55	10 15	1 20	23 35	0 13	18 8	0 36	23 29	0 11	21 45	1 18	13 0	9 35	0 38	0 19	2 34	6 50	1 25
T 10	6 48	28 13	5 12	14 55	3 0	1 15	4 42	10 1	1 20	23 35	0 13	18 7	0 36	23 29	0 11	21 45	1 18	13 0	9 35	0 38	0 18	2 31	6 53	1 24
F 11	7 11	26 2	4 51	14 31	2 49	1 24	4 29	9 47	1 20	23 35	0 13	18 6	0 36	23 29	0 11	21 45	1 18	13 0	9 35	0 38	0 17	2 28	6 56	1 24
S 12	7 34	22 16	4 14	14 1	2 37	1 32	4 16	9 34	1 21	23 35	0 13	18 5	0 36	23 30	0 11	21 45	1 18	13 0	9 35	0 38	0 15	2 24	6 59	1 24
S 13	7 56	17 7	3 19	13 28	2 23	1 40	4 3	9 20	1 21	23 34	0 13	18 4	0 37	23 30	0 11	21 45	1 18	12 59	9 36	0 39	0 14	2 21	7 2	1 23
M14	8 19	10 53	2 11	12 50	2 8	1 46	3 50	9 6	1 21	23 34	0 13	18 3	0 37	23 30	0 11	21 46	1 18	12 59	9 36	0 39	0 13	2 17	7 5	1 23
T 15	8 41	3 55	0 52	12 8	1 50	1 52	3 37	8 53	1 21	23 34	0 13	18 2	0 37	23 30	0 11	21 46	1 18	12 59	9 36	0 40	0 11	2 14	7 8	1 23
W16	9 3	3n19	0n30	11 24	1 32	1 57	3 25	8 39	1 22	23 33	0 13	18 1	0 37	23 30	0 11	21 46	1 18	12 59	9 36	0 40	0 10	2 10	7 12	1 23
T 17	9 25	10 24	1 51	10 38	1 12	2 0	3 13	8 25	1 22	23 33	0 14	18 0	0 37	23 30	0 11	21 46	1 18	12 59	9 36	0 39	0 9	2 7	7 15	1 22
F 18	9 47	16 50	3 3	9 51	0 52	2 3	3 1	8 11	1 22	23 33	0 14	17 59	0 37	23 30	0 11	21 46	1 18	12 58	9 36	0 39	0 8	2 3	7 18	1 22
S 19	10 9	22 10	4 2	9 5	0 31	2 5	2 49	7 57	1 22	23 32	0 14	17 58	0 37	23 30	0 11	21 46	1 18	12 58	9 36	0 37	0 6	2 0	7 21	1 22
S 20	10 31	26 3	4 44	8 21	0 10	2 6	2 37	7 43	1 23	23 32	0 14	17 57	0 38	23 30	0 11	21 47	1 18	12 58	9 36	0 36	0 5	1 57	7 24	1 22
M21	10 52	28 14	5 8	7 40	0n10	2 6	2 25	7 29	1 23	23 32	0 14	17 57	0 38	23 31	0 11	21 47	1 18	12 58	9 36	0 34	0 4	1 53	7 27	1 21
T 22	11 13	28 40	5 14	7 3	0 29	2 5	2 14	7 15	1 23	23 31	0 14	17 56	0 38	23 31	0 11	21 47	1 18	12 58	9 37	0 33	0 3	1 50	7 30	1 21
W23	11 35	27 28	5 3	6 32	0 47	2 3	2 3	7 1	1 23	23 31	0 14	17 55	0 38	23 31	0 11	21 47	1 17	12 57	9 37	0 32	0 1	1 46	7 33	1 21
T 24	11 56	24 54	4 38	6 5	1 3	2 1	1 52	6 47	1 24	23 30	0 14	17 54	0 38	23 31	0 11	21 47	1 17	12 57	9 37	0 32	0 0	1 43	7 36	1 20
F 25	12 16	21 15	4 1	5 45	1 18	1 58	1 42	6 33	1 24	23 30	0 14	17 54	0 38	23 31	0 11	21 47	1 17	12 57	9 37	0 32	0s 1	1 39	7 40	1 20
S 26	12 37	16 46	3 13	5 30	1 30	1 53	1 31	6 19	1 24	23 29	0 14	17 53	0 39	23 31	0 11	21 48	1 17	12 57	9 37	0 33	0 2	1 36	7 43	1 20
S 27	12 57	11 44	2 18	5 22	1 42	1 49	1 21	6 5	1 24	23 29	0 14	17 52	0 39	23 31	0 11	21 48	1 17	12 57	9 37	0 33	0 4	1 32	7 46	1 20
M28	13 18	6 18	1 18	5 19	1 51	1 43	1 11	5 51	1 24	23 28	0 14	17 51	0 39	23 31	0 11	21 48	1 17	12 56	9 37	0 34	0 5	1 29	7 49	1 19
T 29	13 38	0 40	0 14	5 22	1 59	1 37	1 1	5 37	1 25	23 28	0 14	17 51	0 39	23 32	0 11	21 48	1 17	12 56	9 37	0 34	0 6	1 25	7 52	

SWISS EPHEMERIS for the year 1652

NOVEMBER 1652 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	2 43 29	9♐14°52	4♐43	20♊27	25♐39	20♐55	8♃50	12♁ 9	24♊ 4	19♊46	13°R41	1°R19	29♋35	27♐20	17♁18
S 2	2 47 26	10°15'09	16°59	21°25	26°22	21°32	9° 0	12°11	24° 7	19°48	13°II40	1°V14	29°32	27°26	17°26
S 3	2 51 22	11°15'27	29°26	22°28	27° 6	22° 8	9°10	12°13	24° 9	19°50	13°39	1° 6	29°28	27°33	17°35
M 4	2 55 19	12°15'46	12♊ 4	23°37	27°52	22°44	9°20	12°16	24°12	19°52	13°38	0°59	29°25	27°40	17°43
T 5	2 59 16	13°16'08	24°56	24°49	28°38	23°20	9°31	12°18	24°15	19°53	13°37	0°51	29°22	27°46	17°51
W 6	3 3 12	14°16'31	8♃ 0	26° 6	29°25	23°56	9°42	12°20	24°18	19°55	13°36	0°45	29°19	27°53	18° 0
T 7	3 7 9	15°16'55	21°17	27°26	0♁13	24°32	9°52	12°21	24°21	19°57	13°35	0°40	29°16	28° 0	18° 8
F 8	3 11 5	16°17'21	4♁48	28°48	1° 2	25° 8	10° 3	12°23	24°24	19°59	13°34	0°38	29°13	28° 6	18°16
S 9	3 15 2	17°17'48	18°34	0♐13	1°52	25°44	10°14	12°25	24°27	20° 1	13°33	0°D37	29° 9	28°13	18°24
S 10	3 18 58	18°18'16	2♋34	1°40	2°43	26°20	10°25	12°26	24°30	20° 3	13°32	0°38	29° 6	28°19	18°32
M11	3 22 55	19°18'45	16°50	3° 8	3°34	26°56	10°36	12°28	24°33	20° 5	13°31	0°39	29° 3	28°26	18°40
T 12	3 26 51	20°19'16	1°V18	4°37	4°26	27°32	10°47	12°29	24°37	20° 7	13°30	0°R40	29° 0	28°33	18°48
W13	3 30 48	21°19'48	15°56	6° 8	5°19	28° 8	10°59	12°30	24°40	20° 9	13°29	0°39	28°57	28°39	18°56
T 14	3 34 45	22°20'22	0♁39	7°39	6°13	28°44	11°10	12°31	24°43	20°11	13°28	0°35	28°54	28°46	19° 4
F 15	3 38 41	23°20'57	15°20	9°11	7° 7	29°20	11°22	12°32	24°46	20°13	13°27	0°30	28°50	28°53	19°12
S 16	3 42 38	24°21'33	29°52	10°44	8° 2	29°55	11°33	12°33	24°49	20°15	13°25	0°22	28°47	28°59	19°20
S 17	3 46 34	25°22'11	14♐ 8	12°17	8°58	0♁31	11°45	12°34	24°53	20°17	13°24	0°13	28°44	29° 6	19°28
M18	3 50 31	26°22'51	28° 1	13°50	9°54	1° 7	11°57	12°34	24°56	20°20	13°23	0° 3	28°41	29°13	19°36
T 19	3 54 27	27°23'32	11♁30	15°24	10°51	1°42	12° 9	12°35	24°59	20°22	13°22	29♋54	28°38	29°19	19°43
W20	3 58 24	28°24'14	24°34	16°57	11°48	2°18	12°20	12°35	25° 2	20°24	13°21	29°47	28°34	29°26	19°51
T 21	4 2 20	29°24'59	7♁13	18°31	12°46	2°53	12°32	12°36	25° 6	20°26	13°20	29°42	28°31	29°33	19°58
F 22	4 6 17	0♁25'44	19°32	20° 5	13°44	3°29	12°45	12°36	25° 9	20°28	13°19	29°39	28°28	29°39	20° 6
S 23	4 10 14	1°26'31	1♐35	21°39	14°43	4° 4	12°57	12°R36	25°13	20°30	13°18	29°D39	28°25	29°46	20°13
S 24	4 14 10	2°27'20	13°27	23°14	15°43	4°39	13° 9	12°36	25°16	20°32	13°17	29°39	28°22	29°52	20°21
M25	4 18 7	3°28'10	25°14	24°48	16°43	5°15	13°21	12°36	25°19	20°35	13°15	29°R40	28°19	29°59	20°28
T 26	4 22 3	4°29'02	7♁ 2	26°22	17°43	5°50	13°34	12°35	25°23	20°37	13°14	29°40	28°15	0♁ 6	20°35
W27	4 26 0	5°29'55	18°54	27°56	18°44	6°25	13°46	12°35	25°26	20°39	13°13	29°38	28°12	0°12	20°43
T 28	4 29 56	6°30'49	0♐57	29°30	19°45	7° 0	13°59	12°34	25°30	20°41	13°12	29°33	28° 9	0°19	20°50
F 29	4 33 53	7°31'45	13°12	1♊ 4	20°47	7°36	14°11	12°34	25°33	20°43	13°11	29°26	28° 6	0°26	20°57
S 30	4 37 49	8♊32'42	25♐41	2♊38	21♁49	8♁11	14♃24	12♁33	25♊37	20♊46	13°II10	29♋16	28♋ 3	0♁32	21♁ 4

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	14s36	15s48	2s51	5s58	2n12	1n13	0s34	4n55	1n25	23s26	0s15	17n49	0n40	23s32	0s11
S 2	14 55	20 29	3 42	6 17	2 14	1 4	0 25	4 41	1 25	23 25	0 15	17 49	0 40	23 32	0 11
S 3	15 14	24 21	4 24	6 40	2 15	0 54	0 16	4 26	1 26	23 25	0 15	17 48	0 40	23 32	0 11
M 4	15 33	27 7	4 53	7 6	2 15	0 44	0 8	4 12	1 26	23 24	0 15	17 48	0 40	23 32	0 11
T 5	15 51	28 30	5 7	7 34	2 14	0 33	0 0	3 58	1 26	23 24	0 15	17 47	0 40	23 32	0 11
W 6	16 9	28 21	5 7	8 3	2 12	0 21	0n 8	3 44	1 26	23 23	0 15	17 47	0 40	23 33	0 11
T 7	16 27	26 34	4 49	8 35	2 9	0 9	0 16	3 30	1 27	23 22	0 15	17 47	0 41	23 33	0 11
F 8	16 45	23 14	4 16	9 7	2 5	0s 4	0 23	3 16	1 27	23 21	0 15	17 46	0 41	23 33	0 11
S 9	17 2	18 35	3 27	9 41	2 1	0 17	0 30	3 2	1 27	23 21	0 15	17 46	0 41	23 33	0 11
S 10	17 19	12 51	2 26	10 15	1 57	0 31	0 37	2 47	1 27	23 20	0 15	17 46	0 41	23 33	0 11
M11	17 35	6 21	1 14	10 50	1 52	0 45	0 44	2 33	1 27	23 19	0 15	17 45	0 41	23 33	0 11
T 12	17 52	0n34	0n 3	11 25	1 47	1 0	0 51	2 19	1 27	23 18	0 15	17 45	0 41	23 33	0 11
W13	18 8	7 32	1 21	12 0	1 41	1 15	0 57	2 5	1 28	23 17	0 15	17 45	0 42	23 34	0 11
T 14	18 23	14 8	2 34	12 35	1 35	1 30	1 3	1 51	1 28	23 16	0 16	17 45	0 42	23 34	0 11
F 15	18 39	19 55	3 36	13 11	1 29	1 46	1 9	1 37	1 28	23 16	0 16	17 45	0 42	23 34	0 11
S 16	18 54	24 27	4 24	13 46	1 23	2 3	1 15	1 23	1 28	23 15	0 16	17 45	0 42	23 34	0 11
S 17	19 9	27 24	4 54	14 21	1 16	2 20	1 20	1 9	1 28	23 14	0 16	17 45	0 42	23 34	0 11
M18	19 23	28 34	5 5	14 55	1 9	2 37	1 26	0 55	1 29	23 13	0 16	17 45	0 42	23 34	0 11
T 19	19 37	27 57	4 59	15 29	1 3	2 54	1 31	0 41	1 29	23 12	0 16	17 45	0 43	23 34	0 11
W20	19 51	25 48	4 38	16 2	0 56	3 12	1 36	0 27	1 29	23 11	0 16	17 45	0 43	23 34	0 11
T 21	20 4	22 25	4 3	16 35	0 49	3 31	1 41	0 13	1 29	23 10	0 16	17 45	0 43	23 35	0 11
F 22	20 17	18 7	3 18	17 8	0 42	3 49	1 45	0s 1	1 29	23 9	0 16	17 45	0 43	23 35	0 11
S 23	20 29	13 11	2 24	17 39	0 35	4 8	1 49	0 15	1 29	23 7	0 16	17 45	0 43	23 35	0 11
S 24	20 42	7 50	1 26	18 10	0 28	4 27	1 54	0 29	1 30	23 6	0 16	17 45	0 43	23 35	0 11
M25	20 53	2 16	0 24	18 40	0 21	4 46	1 58	0 43	1 30	23 5	0 16	17 46	0 44	23 35	0 11
T 26	21 5	3s24	0s39	19 9	0 14	5 6	2 1	0 57	1 30	23 4	0 16	17 46	0 44	23 35	0 11
W27	21 16	8 58	1 41	19 37	0 7	5 25	2 5	1 11	1 30	23 3	0 16	17 46	0 44	23 35	0 11
T 28	21 26	14 18	2 38	20 5	0 0	5 45	2 9	1 24	1 30	23 2	0 17	17 46	0 44	23 35	0 11
F 29	21 37	19 10	3 30	20 31	0s 7	6 5	2 12	1 38	1 30	23 0	0 17	17 47	0 44	23 36	0 11
S 30	21s46	23s18	4s12	20s57	0s13	6s26	2n15	1s52	1n31	22s59	0s17	17n47	0n45	23s36	0s11

Julian Day Number = 2324745.5, Delta T = 43.50 sec
 Ecliptic obliquity = 23°29'13", Nutation = - 0°00'02"
 Ayanamsha: Fagan/Bradley = 19°53'41", Lahiri = 19°00'41"Greg. Calendar

SWISS EPHEMERIS for the year 1652

DECEMBER 1652 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♄	♃	♅	♁	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	4 41 46	9♄33'40	8♄26	4♄12	22♄51	8♄46	14♄37	12°R32	25♄40	20♄48	13°R 9	29°R 4	28♄0	0♄39	21♄11								
M 2	4 45 43	10°34'39	21°27	5°46	23°54	9°21	14°49	12♄31	25°44	20°50	13°II 7	28♄51	27°56	0°46	21°18								
T 3	4 49 39	11°35'39	4♄27	7°20	24°57	9°55	15° 2	12°30	25°47	20°52	13° 6	28°38	27°53	0°52	21°25								
W 4	4 53 36	12°36'39	18° 8	8°54	26° 0	10°30	15°15	12°29	25°51	20°55	13° 5	28°27	27°50	0°59	21°31								
T 5	4 57 32	13°37'41	1♄44	10°28	27° 4	11° 5	15°28	12°28	25°54	20°57	13° 4	28°19	27°47	1° 6	21°38								
F 6	5 1 29	14°38'43	15°29	12° 3	28° 8	11°40	15°41	12°26	25°58	20°59	13° 3	28°13	27°44	1°12	21°45								
S 7	5 5 25	15°39'46	29°20	13°37	29°13	12°14	15°54	12°25	26° 1	21° 1	13° 2	28°10	27°40	1°19	21°51								
S 8	5 9 22	16°40'49	13♄18	15°11	0♄17	12°49	16° 7	12°23	26° 5	21° 4	13° 0	28°D 9	27°37	1°26	21°58								
M 9	5 13 18	17°41'52	27°22	16°45	1°22	13°24	16°20	12°21	26° 9	21° 6	12°59	28°R 9	27°34	1°32	22° 4								
T 10	5 17 15	18°42'56	11♄32	18°20	2°28	13°58	16°34	12°20	26°12	21° 8	12°58	28° 9	27°31	1°39	22°10								
W 11	5 21 12	19°44'00	25°46	19°54	3°33	14°32	16°47	12°18	26°16	21°10	12°57	28° 7	27°28	1°45	22°17								
T 12	5 25 8	20°45'05	10♄8	21°29	4°39	15° 7	17° 0	12°16	26°19	21°13	12°56	28° 2	27°25	1°52	22°23								
F 13	5 29 5	21°46'10	24°15	23° 4	5°45	15°41	17°14	12°13	26°23	21°15	12°55	27°54	27°21	1°59	22°29								
S 14	5 33 1	22°47'15	8♄23	24°39	6°52	16°15	17°27	12°11	26°27	21°17	12°54	27°43	27°18	2° 5	22°35								
S 15	5 36 58	23°48'21	22°20	26°14	7°58	16°49	17°41	12° 9	26°30	21°20	12°52	27°30	27°15	2°12	22°41								
M 16	5 40 54	24°49'28	6♄0	27°50	9° 5	17°23	17°54	12° 6	26°34	21°22	12°51	27°17	27°12	2°19	22°47								
T 17	5 44 51	25°50'35	19°21	29°25	10°12	17°58	18° 8	12° 4	26°38	21°24	12°50	27° 4	27° 9	2°25	22°52								
W 18	5 48 48	26°51'43	2♄20	1♄1	11°19	18°31	18°21	12° 1	26°41	21°26	12°49	26°54	27° 6	2°32	22°58								
T 19	5 52 44	27°52'51	14°58	2°37	12°27	19° 5	18°35	11°58	26°45	21°29	12°48	26°46	27° 2	2°39	23° 4								
F 20	5 56 41	28°53'59	27°18	4°14	13°34	19°39	18°49	11°56	26°48	21°31	12°47	26°40	26°59	2°45	23° 9								
S 21	6 0 37	29°55'08	9♄22	5°50	14°42	20°13	19° 2	11°53	26°52	21°33	12°46	26°38	26°56	2°52	23°14								
S 22	6 4 34	0♄56'18	21°15	7°27	15°50	20°46	19°16	11°50	26°56	21°35	12°45	26°37	26°53	2°59	23°20								
M 23	6 8 30	1°57'28	3♄3	9° 4	16°59	21°20	19°30	11°47	26°59	21°38	12°43	26°37	26°50	3° 5	23°25								
T 24	6 12 27	2°58'39	14°51	10°41	18° 7	21°54	19°44	11°43	27° 3	21°40	12°42	26°36	26°46	3°12	23°30								
W 25	6 16 23	3°59'50	26°45	12°18	19°16	22°27	19°57	11°40	27° 6	21°42	12°41	26°35	26°43	3°19	23°35								
T 26	6 20 20	5° 1'01	8♄50	13°56	20°25	23° 0	20°11	11°37	27°10	21°44	12°40	26°30	26°40	3°25	23°40								
F 27	6 24 17	6° 2'13	21°10	15°33	21°34	23°34	20°25	11°33	27°14	21°47	12°39	26°23	26°37	3°32	23°45								
S 28	6 28 13	7° 3'25	3♄49	17°11	22°43	24° 7	20°39	11°30	27°17	21°49	12°38	26°14	26°34	3°38	23°49								
S 29	6 32 10	8° 4'37	16°49	18°49	23°52	24°40	20°53	11°26	27°21	21°51	12°37	26° 2	26°31	3°45	23°54								
M 30	6 36 6	9° 5'49	0♄8	20°27	25° 2	25°13	21° 7	11°22	27°24	21°53	12°36	25°49	26°27	3°52	23°59								
T 31	6 40 3	10♄7'02	13♄46	22♄8	26♄11	25♄46	21♄21	11♄19	27♄28	21♄55	12♄35	25♄36	26♄24	3♄58	24♄ 3								

Day	☉	☽	♀	♂	♄	♃	♅	♁	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat		
S 1	21s56	26s24	4s42	21s21	0s20	6s46	2n18	2s 5	1n31	22s58	0s17	17n48	0n45	23s36	0s11	21s54	1n16	12n51	9s38	0s22	0s48	0s29	9s23	1s12
M 2	22 5 28	11 4 59	21 45	0 26	7 7	2 21	2 19	1 31	22 56	0 17	17 48	0 45	23 36	0 11	21 54	1 16	12 51	9 38	0 27	0 49	0 32	9 26	1 11	
T 3	22 13 28	24 5 0	22 7	0 33	7 27	2 23	2 33	1 31	22 55	0 17	17 48	0 45	23 36	0 11	21 54	1 16	12 51	9 38	0 32	0 51	0 36	9 28	1 11	
W 4	22 21 26	27 5 44	22 29	0 39	7 48	2 26	2 46	1 31	22 54	0 17	17 49	0 45	23 36	0 11	21 54	1 16	12 51	9 38	0 37	0 52	0 39	9 30	1 11	
T 5	22 29 23	28 5 4	12 22	0 46	8 9	2 28	3 0	1 31	22 52	0 17	17 49	0 45	23 36	0 11	21 54	1 16	12 51	9 38	0 40	0 53	0 43	9 33	1 11	
F 6	22 36 19	30 3 25	23 8	0 52	8 30	2 30	3 13	1 31	22 51	0 17	17 50	0 46	23 36	0 11	21 55	1 16	12 51	9 38	0 43	0 54	0 46	9 35	1 11	
S 7	22 43 14	0 2 26	23 26	0 58	8 51	2 32	3 26	1 32	22 49	0 17	17 51	0 46	23 37	0 11	21 55	1 16	12 51	9 38	0 44	0 56	0 49	9 37	1 10	
S 8	22 49 7	4 6 18	23 43	1 3	9 12	2 34	3 40	1 32	22 48	0 17	17 51	0 46	23 37	0 11	21 55	1 16	12 51	9 38	0 44	0 57	0 53	9 39	1 10	
M 9	22 55 1	7 0 4	23 58	1 9	9 33	2 35	3 53	1 32	22 46	0 17	17 52	0 46	23 37	0 11	21 55	1 16	12 50	9 38	0 44	0 58	0 56	9 42	1 10	
T 10	23 0 5n39	1n10	24 12	1 14	9 54	2 37	4 6	1 32	22 45	0 17	17 53	0 46	23 37	0 11	21 55	1 16	12 50	9 38	0 44	0 59	1 0	9 44	1 10	
W 11	23 5 12	9 2 20	24 26	1 20	10 15	2 38	4 20	1 32	22 43	0 17	17 53	0 46	23 37	0 11	21 55	1 16	12 50	9 38	0 45	1 1	1 3	9 46	1 10	
T 12	23 10 18	2 3 22	24 37	1 25	10 36	2 39	4 33	1 32	22 42	0 18	17 54	0 47	23 37	0 11	21 56	1 16	12 50	9 38	0 47	1 2	1 7	9 48	1 9	
F 13	23 14 22	5 5 4	11 24	1 30	10 56	2 41	4 46	1 32	22 40	0 18	17 55	0 47	23 37	0 11	21 56	1 16	12 50	9 38	0 50	1 3	1 10	9 50	1 9	
S 14	23 17 26	25 4 43	24 57	1 34	11 17	2 41	4 59	1 33	22 38	0 18	17 56	0 47	23 37	0 11	21 56	1 16	12 50	9 38	0 55	1 4	1 14	9 52	1 9	
S 15	23 20 28	14 4 59	25 5	1 39	11 38	2 42	5 12	1 33	22 37	0 18	17 56	0 47	23 37	0 11	21 56	1 16	12 50	9 38	1 0	1 6	1 17	9 54	1 9	
M 16	23 23 28	17 4 57	25 11	1 43	11 59	2 43	5 25	1 33	22 35	0 18	17 57	0 47	23 38	0 11	21 56	1 16	12 50	9 37	1 5	1 7	1 21	9 56	1 9	
T 17	23 25 26	40 4 38	25 16	1 47	12 19	2 43	5 38	1 33	22 33	0 18	17 58	0 47	23 38	0 11	21 56	1 16	12 50	9 37	1 10	1 8	1 24	9 58	1 8	
W 18	23 27 23	40 4 5	25 19	1 50	12 40	2 44	5 50	1 33	22 31	0 18	17 59	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 14	1 10	1 27	10 0	1 8	
T 19	23 28 19	35 3 21	25 21	1 54	13 0	2 44	6 3	1 33	22 30	0 18	18 0	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 17	1 11	1 31	10 2	1 8	
F 20	23 29 14	46 2 29	25 22	1 57	13 20	2 44	6 16	1 33	22 28	0 18	18 1	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 20	1 12	1 34	10 4	1 8	
S 21	23 29 9	28 1 30	25 21	2 0	13 40	2 44	6 29	1 33	22 26	0 18	18 2	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 21	1 13	1 38	10 6	1 8	
S 22	23 29 3	55 0 28	25 19	2 2	14 0	2 44	6 41	1 33	22 24	0 18	18 3	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 21	1 15	1 41	10 7	1 7	
M 23	23 28 1s44	0s34	25 15	2 4	14 20	2 43	6 54	1 33	22 22	0 18	18 4	0 48	23 38	0 11	21 57	1 16	12 50	9 37	1 21	1 16	1 45	10 9	1 7	
T 24	23 27 7	19 1 35	25 9	2 6	14 39	2 43	7 6	1 34	22 20	0 19	18 5	0 49	23 38	0 11	21 57	1 16	12 50	9 37	1 21	1 17	1 48	10 11	1 7	
W 25	23 26 12	42 2 32	25 2	2 7	14 58	2 42	7 18	1 34	22 18	0 19	18 6	0 49	23 38	0 11	21 58	1 16	12 50	9 37	1 22	1 18	1 52	10 12	1 7	
T 26	23 23 17	41 3 24	24 53	2 8	15 17	2 42	7 31	1 34	22 16	0 19	18 7	0 49	23 38	0 11	21 58	1 16	12 50	9 36	1 24	1 20	1 55	10 14	1 6	
F 27	23 21 22	3 4 7	24 43	2 9	15 36	2 41	7 43	1 34	22 14	0 19	18 8	0 49	23 39	0 11	21 58	1 16	12 50	9 36	1 26	1 21	1 59	10 16	1 6	
S 28	23 18 25	31 4 39	24 31	2 9	15 54	2 40	7 55	1 34	22 12	0 19	18 9	0 49	23 39	0 11	21 58	1 16	12 50	9 36	1 30	1 22	2 2			