

SWISS EPHEMERIS for the year 1655

JANUARY 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
F 1	6 42 5	10 ³⁸ 27	26 ⁵²	5 ^R 47	0 ³ 5	11 ^M 51	18 ^H 8	9 ^R 33	5 ³ 30	26 ²⁷ 10	14 ^R 37	16 ^R 19	17 ⁴²	25 ²⁷ 33	23 ^M 39	
S 2	6 46 2	11 ³⁹ 37	9 ^M 4	4 ³ 33	1 ²⁰	12 ²⁸	18 ¹⁷	9 ^M 31	5 ³⁴	26 ¹²	14 ^{II} 36	16 ⁴⁶	17 ³⁹	25 ⁴⁰	23 ⁴⁵	
S 3	6 49 58	12 ⁴⁰ 48	21 ⁶	3 ²⁵	2 ³⁵	13 ⁵	18 ²⁷	9 ³⁰	5 ³⁸	26 ¹⁴	14 ³⁵	16 ¹²	17 ³⁵	25 ⁴⁷	23 ⁵²	
M 4	6 53 55	13 ⁴¹ 58	3 ²⁷ 1	2 ²⁵	3 ⁵¹	13 ⁴³	18 ³⁷	9 ²⁸	5 ⁴¹	26 ¹⁶	14 ³⁴	16 ⁶	17 ³²	25 ⁵³	23 ⁵⁸	
T 5	6 57 52	14 ⁴³ 09	14 ⁵²	1 ³⁵	5 ⁶	14 ²⁰	18 ⁴⁷	9 ²⁷	5 ⁴⁵	26 ¹⁸	14 ³³	16 ⁰	17 ²⁹	26 ⁰	24 ⁴	
W 6	7 1 48	15 ⁴⁴ 19	26 ⁴²	0 ⁵⁴	6 ²²	14 ⁵⁷	18 ⁵⁷	9 ²⁵	5 ⁴⁸	26 ²⁰	14 ³²	15 ⁵⁴	17 ²⁶	26 ⁷	24 ¹⁰	
T 7	7 5 45	16 ⁴⁵ 29	8 ³²	0 ²³	7 ³⁷	15 ³⁵	19 ⁷	9 ²³	5 ⁵²	26 ²³	14 ³¹	15 ⁴⁹	17 ²³	26 ¹⁴	24 ¹⁶	
F 8	7 9 41	17 ⁴⁶ 39	20 ²⁶	0 ²	8 ⁵³	16 ¹²	19 ¹⁷	9 ²¹	5 ⁵⁵	26 ²⁵	14 ³⁰	15 ⁴⁵	17 ²⁰	26 ²⁰	24 ²²	
S 9	7 13 38	18 ⁴⁷ 49	2 ²⁴	29 ²⁷ 50	10 ⁸	16 ⁴⁹	19 ²⁸	9 ¹⁹	5 ⁵⁹	26 ²⁷	14 ²⁹	15 ⁴³	17 ¹⁶	26 ²⁷	24 ²⁸	
S 10	7 17 34	19 ⁴⁸ 57	14 ²⁸	29 ^D 47	11 ²³	17 ²⁷	19 ³⁸	9 ¹⁷	6 ²	26 ²⁹	14 ²⁸	15 ^D 42	17 ¹³	26 ³⁴	24 ³³	
M 11	7 21 31	20 ⁵⁰ 06	26 ⁴¹	29 ⁵²	12 ³⁹	18 ⁴	19 ⁴⁹	9 ¹⁴	6 ⁶	26 ³¹	14 ²⁷	15 ⁴²	17 ¹⁰	26 ⁴⁰	24 ³⁹	
T 12	7 25 28	21 ⁵¹ 13	9 ^H 4	0 ³ 6	13 ⁵⁴	18 ⁴¹	20 ⁰	9 ¹²	6 ⁹	26 ³³	14 ²⁶	15 ⁴⁴	17 ⁷	26 ⁴⁷	24 ⁴⁵	
W 13	7 29 24	22 ⁵² 20	21 ⁴⁰	0 ²⁶	15 ¹⁰	19 ¹⁸	20 ¹⁰	9 ⁹	6 ¹³	26 ³⁵	14 ²⁵	15 ⁴⁵	17 ⁴	26 ⁵⁴	24 ⁵⁰	
T 14	7 33 21	23 ⁵³ 26	4 ^Y 33	0 ⁵³	16 ²⁵	19 ⁵⁵	20 ²¹	9 ⁷	6 ¹⁶	26 ³⁷	14 ²⁴	15 ⁴⁷	17 ¹	27 ⁰	24 ⁵⁶	
F 15	7 37 17	24 ⁵⁴ 31	17 ⁴⁵	1 ²⁶	17 ⁴⁰	20 ³²	20 ³²	9 ⁴	6 ²⁰	26 ⁴⁰	14 ²³	15 ⁴⁸	16 ⁵⁷	27 ⁷	25 ¹	
S 16	7 41 14	25 ⁵⁵ 35	1 ¹⁸ 19	2 ⁴	18 ⁵⁶	21 ⁹	20 ⁴⁴	9 ¹	6 ²³	26 ⁴²	14 ²³	15 ^R 48	16 ⁵⁴	27 ¹⁴	25 ⁶	
S 17	7 45 10	26 ⁵⁶ 38	15 ¹⁷	2 ⁴⁷	20 ¹¹	21 ⁴⁶	20 ⁵⁵	8 ⁵⁹	6 ²⁷	26 ⁴⁴	14 ²²	15 ⁴⁷	16 ⁵¹	27 ²⁰	25 ¹²	
M 18	7 49 7	27 ⁵⁷ 40	29 ³⁷	3 ³⁴	21 ²⁷	22 ²³	21 ⁶	8 ⁵⁶	6 ³⁰	26 ⁴⁶	14 ²¹	15 ⁴⁵	16 ⁴⁸	27 ²⁷	25 ¹⁷	
T 19	7 53 3	28 ⁵⁸ 41	14 ^{II} 17	4 ²⁶	22 ⁴²	23 ⁰	21 ¹⁸	8 ⁵³	6 ³⁴	26 ⁴⁸	14 ²⁰	15 ⁴³	16 ⁴⁵	27 ³⁴	25 ²²	
W 20	7 57 0	29 ⁵⁹ 41	29 ¹³	5 ²¹	23 ⁵⁷	23 ³⁷	21 ²⁹	8 ⁴⁹	6 ³⁷	26 ⁵⁰	14 ¹⁹	15 ⁴¹	16 ⁴¹	27 ⁴¹	25 ²⁷	
T 21	8 0 57	1 ⁰⁰ 40	14 ^{III} 16	6 ¹⁹	25 ¹³	24 ¹⁴	21 ⁴¹	8 ⁴⁶	6 ⁴⁰	26 ⁵²	14 ¹⁹	15 ³⁹	16 ³⁸	27 ⁴⁷	25 ³²	
F 22	8 4 53	2 ¹ 38	29 ¹⁸	7 ²⁰	26 ²⁸	24 ⁵¹	21 ⁵³	8 ⁴³	6 ⁴⁴	26 ⁵⁴	14 ¹⁸	15 ³⁸	16 ³⁵	27 ⁵⁴	25 ³⁷	
S 23	8 8 50	3 ² 36	14 ^{II} 10	8 ²³	27 ⁴³	25 ²⁸	22 ⁵	8 ⁴⁰	6 ⁴⁷	26 ⁵⁵	14 ¹⁷	15 ^D 38	16 ³²	28 ¹	25 ⁴¹	
S 24	8 12 46	4 ³ 32	28 ⁴⁴	9 ²⁹	28 ⁵⁹	26 ⁵	22 ¹⁶	8 ³⁶	6 ⁵⁰	26 ⁵⁷	14 ¹⁷	15 ³⁸	16 ²⁹	28 ⁷	25 ⁴⁶	
M 25	8 16 43	5 ⁴ 27	12 ^{III} 55	10 ³⁸	0 ¹⁴ 14	26 ⁴²	22 ²⁸	8 ³³	6 ⁵⁴	26 ⁵⁹	14 ¹⁶	15 ³⁹	16 ²⁶	28 ¹⁴	25 ⁵⁰	
T 26	8 20 39	6 ⁵ 21	26 ⁴⁰	11 ⁴⁸	1 ²⁹	27 ¹⁹	22 ⁴¹	8 ²⁹	6 ⁵⁷	27 ¹	14 ¹⁵	15 ⁴⁰	16 ²²	28 ²¹	25 ⁵⁵	
W 27	8 24 36	7 ⁶ 15	9 ^{II} 58	13 ⁰	2 ⁴⁵	27 ⁵⁵	22 ⁵³	8 ²⁵	7 ⁰	27 ³	14 ¹⁴	15 ⁴⁰	16 ¹⁹	28 ²⁷	25 ⁵⁹	
T 28	8 28 32	8 ⁷ 08	22 ⁵¹	14 ¹⁴	4 ⁰	28 ³²	23 ⁵	8 ²¹	7 ³	27 ⁵	14 ¹⁴	15 ⁴¹	16 ¹⁶	28 ³⁴	26 ⁴	
F 29	8 32 29	9 ⁸ 00	5 ^M 23	15 ³⁰	5 ¹⁵	29 ⁹	23 ¹⁷	8 ¹⁸	7 ⁶	27 ⁷	14 ¹³	15 ^R 41	16 ¹³	28 ⁴¹	26 ⁸	
S 30	8 36 26	10 ⁸ 51	17 ³⁸	16 ⁴⁷	6 ³⁰	29 ⁴⁶	23 ³⁰	8 ¹⁴	7 ¹⁰	27 ⁸	14 ¹³	15 ⁴¹	16 ¹⁰	28 ⁴⁷	26 ¹²	
S 31	8 40 22	11 ¹⁰ 41	29 ^M 40	18 ³ 5	7 ⁴⁶	0 ²²	23 ^H 42	8 ^M 10	7 ¹³	27 ¹⁰	14 ^{II} 12	15 ⁴¹	16 ⁷	28 ⁵⁴	26 ^M 16	

Delta T = 41.36 sec.

Greg. Calendar

FEBRUARY 1655 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
M 1	8 44 19	12 ¹⁰ 31	11 ²⁷ 33	19 ³² 25	9 ¹	0 ²⁷ 59	23 ^H 55	8 ^R 6	7 ¹⁶	27 ²⁷ 12	14 ^R 11	15 ^R 41	16 ³	29 ²⁷ 1	26 ^M 20	
T 2	8 48 15	13 ¹¹ 19	23 ²³	20 ⁴⁶	10 ¹⁶	1 ³⁶	24 ⁸	8 ^M 2	7 ¹⁹	27 ¹⁴	14 ^{II} 11	15 ⁴⁰	16 ⁰	29 ⁷	26 ²⁴	
W 3	8 52 12	14 ¹² 07	5 ³ 13	22 ⁹	11 ³²	2 ¹²	24 ²⁰	7 ⁵⁷	7 ²²	27 ¹⁵	14 ¹⁰	15 ⁴⁰	15 ⁵⁷	29 ¹⁴	26 ²⁷	
T 4	8 56 8	15 ¹² 53	17 ⁵	23 ³²	12 ⁴⁷	2 ⁴⁹	24 ³³	7 ⁵³	7 ²⁵	27 ¹⁷	14 ¹⁰	15 ^D 40	15 ⁵⁴	29 ²¹	26 ³¹	
F 5	9 0 5	16 ¹³ 38	29 ⁵	24 ⁵⁶	14 ²	3 ²⁵	24 ⁴⁶	7 ⁴⁹	7 ²⁸	27 ¹⁹	14 ⁹	15 ⁴⁰	15 ⁵¹	29 ²⁸	26 ³⁴	
S 6	9 4 1	17 ¹⁴ 22	11 ¹¹ 12	26 ²²	15 ¹⁷	4 ²	24 ⁵⁹	7 ⁴⁵	7 ³¹	27 ²⁰	14 ⁹	15 ^R 40	15 ⁴⁷	29 ³⁴	26 ³⁸	
S 7	9 7 58	18 ¹⁵ 04	23 ³⁰	27 ⁴⁹	16 ³²	4 ³⁸	25 ¹²	7 ⁴⁰	7 ³⁴	27 ²²	14 ⁹	15 ⁴⁰	15 ⁴⁴	29 ⁴¹	26 ⁴¹	
M 8	9 11 55	19 ¹⁵ 45	5 ^H 59	29 ¹⁶	17 ⁴⁸	5 ¹⁴	25 ²⁵	7 ³⁶	7 ³⁷	27 ²⁴	14 ⁸	15 ⁴⁰	15 ⁴¹	29 ⁴⁸	26 ⁴⁴	
T 9	9 15 51	20 ¹⁶ 24	18 ⁴⁰	0 ⁴⁵	19 ³	5 ⁵¹	25 ³⁸	7 ³¹	7 ⁴⁰	27 ²⁵	14 ⁸	15 ³⁹	15 ³⁸	29 ⁵⁴	26 ⁴⁷	
W 10	9 19 48	21 ¹⁷ 02	1 ^Y 35	2 ¹⁴	20 ¹⁸	6 ²⁷	25 ⁵²	7 ²⁷	7 ⁴³	27 ²⁷	14 ⁷	15 ³⁹	15 ³⁵	0 ³ 1	26 ⁵⁰	
T 11	9 23 44	22 ¹⁷ 38	14 ⁴³	3 ⁴⁵	21 ³³	7 ³	26 ⁵	7 ²²	7 ⁴⁶	27 ²⁸	14 ⁷	15 ³⁸	15 ³²	0 ⁸	26 ⁵³	
F 12	9 27 41	23 ¹⁸ 12	28 ⁶	5 ¹⁶	22 ⁴⁸	7 ³⁹	26 ¹⁸	7 ¹⁸	7 ⁴⁸	27 ³⁰	14 ⁷	15 ³⁷	15 ²⁸	0 ¹⁴	26 ⁵⁶	
S 13	9 31 37	24 ¹⁸ 45	11 ¹⁸ 44	6 ⁴⁸	24 ⁴	8 ¹⁶	26 ³²	7 ¹³	7 ⁵¹	27 ³¹	14 ⁶	15 ³⁶	15 ²⁵	0 ²¹	26 ⁵⁹	
S 14	9 35 34	25 ¹⁹ 15	25 ³⁶	8 ²¹	25 ¹⁹	8 ⁵²	26 ⁴⁵	7 ⁹	7 ⁵⁴	27 ³³	14 ⁶	15 ^D 36	15 ²²	0 ²⁸	27 ¹	
M 15	9 39 30	26 ¹⁹ 44	9 ^{II} 43	9 ⁵⁶	26 ³⁴	9 ²⁸	26 ⁵⁹	7 ⁴	7 ⁵⁶	27 ³⁴	14 ⁶	15 ³⁶	15 ¹⁹	0 ³⁴	27 ⁴	
T 16	9 43 27	27 ²⁰ 11	24 ³	11 ³¹	27 ⁴⁹	10 ⁴	27 ¹²	6 ⁵⁹	7 ⁵⁹	27 ³⁵	14 ⁶	15 ³⁷	15 ¹⁶	0 ⁴¹	27 ⁶	
W 17	9 47 24	28 ²⁰ 36	8 ^{III} 32	13 ⁷	29 ⁴	10 ⁴⁰	27 ²⁶	6 ⁵⁵	8 ²	27 ³⁷	14 ⁵	15 ³⁸	15 ¹³	0 ⁴⁸	27 ⁹	
T 18	9 51 20	29 ²¹ 00	23 ⁸	14 ⁴⁴	0 ^H 19	11 ¹⁶	27 ³⁹	6 ⁵⁰	8 ⁴	27 ³⁸	14 ⁵	15 ³⁹	15 ⁹	0 ⁵⁴	27 ¹¹	
F 19	9 55 17	0 ^H 21'21	7 ^{II} 45	16 ²²	1 ³⁴	11 ⁵¹	27 ⁵³	6 ⁴⁵	8 ⁷	27 ³⁹	14 ⁵	15 ⁴⁰	15 ⁶	1 ¹	27 ¹³	
S 20	9 59 13	1 ²¹ 40	22 ¹⁶	18 ¹	2 ⁴⁹	12 ²⁷	28 ⁷	6 ⁴⁰	8 ⁹	27 ⁴⁰	14 ⁵	15 ^R 40	15 ³	1 ⁸	27 ¹⁵	
S 21	10 3 10	2 ²¹ 58	6 ^M 37	19 ⁴¹	4 ⁴	13 ³	28 ²¹	6 ³⁵	8 ¹²	27 ⁴²	14 ⁵	15 ³⁹	15 ⁰	1 ¹⁴	27 ¹⁷	
M 22	10 7 6	3 ²² 13	20 ⁴¹	21 ²¹	5 ¹⁹	13 ³⁹	28 ³⁴	6 ³¹	8 ¹⁴	27 ⁴³	14 ⁵	15 ³⁷	14 ⁵⁷	1 ²¹	27 ¹⁸	
T 23	10 11 3	4 ²² 28	4 ^{II} 25	23 ³	6 ³⁴ </											

SWISS EPHEMERIS for the year 1655

MARCH 1655 GC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
M 1	10 34 42	10 ^h 23'19"	19 ^h 27'39"	3 ^h 37'	14 ^h 4'	17 ^h 27'47"	0 ^h 12'	5°R57	8 ^h 30'	27 ^h 27'50"	14 ^h 11'4"	15 ^h 22'4"	14 ^h 22'34"	2 ^h 38'	27 ^h 27'28"	
T 2	10 38 39	11°23'22"	1 ^h 32'29"	5°26'	15°19'	18°22'	0°27'	5 ^h 11'52"	8°32'	27°51'	14°5'	15°25'	14°31'	2°15'	27°29'	
W 3	10 42 35	12°23'24"	13°19'	7°17'	16°33'	18°57'	0°41'	5°47'	8°34'	27°52'	14°5'	15°27'	14°28'	2°21'	27°29'	
T 4	10 46 32	13°23'23"	25°14'	9°8'	17°48'	19°33'	0°55'	5°43'	8°36'	27°53'	14°5'	15°29'	14°25'	2°28'	27°30'	
F 5	10 50 28	14°23'21"	7 ^h 28'18"	11°1'	19°3'	20°8'	1°9'	5°38'	8°38'	27°54'	14°5'	15°30'	14°22'	2°35'	27°31'	
S 6	10 54 25	15°23'18"	19°34'	12°55'	20°18'	20°43'	1°23'	5°33'	8°40'	27°55'	14°5'	15°R31	14°18'	2°41'	27°31'	
S 7	10 58 22	16°23'12"	2 ^h 35'	14°49'	21°33'	21°17'	1°38'	5°28'	8°42'	27°56'	14°5'	15°29'	14°15'	2°48'	27°31'	
M 8	11 2 18	17°23'04"	14°53'	16°45'	22°48'	21°52'	1°52'	5°24'	8°44'	27°56'	14°5'	15°26'	14°12'	2°55'	27°32'	
T 9	11 6 15	18°22'55"	27°56'	18°42'	24°2'	22°27'	2°6'	5°19'	8°46'	27°57'	14°6'	15°22'	14°9'	3°1'	27°32'	
W10	11 10 11	19°22'43"	11 ^h 16'	20°39'	25°17'	23°2'	2°21'	5°15'	8°47'	27°58'	14°6'	15°17'	14°6'	3°8'	27°R32	
T 11	11 14 8	20°22'30"	24°49'	22°38'	26°32'	23°36'	2°35'	5°10'	8°49'	27°59'	14°6'	15°11'	14°3'	3°15'	27°32'	
F 12	11 18 4	21°22'14"	8 ^h 34'	24°37'	27°46'	24°11'	2°49'	5°5'	8°51'	27°59'	14°6'	15°5'	13°59'	3°21'	27°31'	
S 13	11 22 1	22°21'56"	22°29'	26°36'	29°1'	24°45'	3°4'	5°1'	8°52'	28°0'	14°7'	15°1'	13°56'	3°28'	27°31'	
S 14	11 25 57	23°21'36"	6 ^h 23'30"	28°36'	0 ^h 16'	25°19'	3°18'	4°56'	8°54'	28°0'	14°7'	14°58'	13°53'	3°35'	27°31'	
M15	11 29 54	24°21'13"	20°36'	0 ^h 37'	1°30'	25°54'	3°33'	4°52'	8°55'	28°1'	14°7'	14°D57	13°50'	3°41'	27°30'	
T 16	11 33 51	25°20'48"	4 ^h 24'45"	2°37'	2°45'	26°28'	3°47'	4°48'	8°57'	28°1'	14°8'	14°57'	13°47'	3°48'	27°30'	
W17	11 37 47	26°20'21"	18°56'	4°37'	4°0'	27°2'	4°2'	4°43'	8°58'	28°2'	14°8'	14°58'	13°44'	3°55'	27°29'	
T 18	11 41 44	27°19'52"	3 ^h 27'	6°36'	5°14'	27°36'	4°16'	4°39'	9°0'	28°2'	14°9'	14°59'	13°40'	4°1'	27°28'	
F 19	11 45 40	28°19'20"	17°15'	8°35'	6°29'	28°10'	4°31'	4°35'	9°1'	28°3'	14°9'	15°R0	13°37'	4°8'	27°27'	
S 20	11 49 37	29°18'45"	1 ^h 19'	10°32'	7°43'	28°43'	4°45'	4°31'	9°2'	28°3'	14°10'	14°59'	13°34'	4°15'	27°26'	
S 21	11 53 33	0 ^h 18'09"	15°14'	12°28'	8°58'	29°17'	5°0'	4°27'	9°4'	28°3'	14°10'	14°55'	13°31'	4°22'	27°25'	
M22	11 57 30	1°17'30"	28°59'	14°22'	10°12'	29°51'	5°14'	4°23'	9°5'	28°4'	14°10'	14°50'	13°28'	4°28'	27°24'	
T 23	12 1 26	2°16'50"	12 ^h 28'	16°14'	11°27'	0 ^h 24'	5°29'	4°19'	9°6'	28°4'	14°11'	14°43'	13°24'	4°35'	27°22'	
W24	12 5 23	3°16'07"	25°40'	18°3'	12°41'	0°57'	5°43'	4°15'	9°7'	28°4'	14°12'	14°34'	13°21'	4°42'	27°21'	
T 25	12 9 19	4°15'22"	8 ^h 34'	19°48'	13°55'	1°31'	5°58'	4°11'	9°8'	28°4'	14°12'	14°25'	13°18'	4°48'	27°19'	
F 26	12 13 16	5°14'36"	21°10'	21°30'	15°10'	2°4'	6°12'	4°7'	9°9'	28°5'	14°13'	14°17'	13°15'	4°55'	27°18'	
S 27	12 17 13	6°13'48"	3 ^h 29'	23°8'	16°24'	2°37'	6°27'	4°3'	9°10'	28°5'	14°13'	14°11'	13°12'	5°2'	27°16'	
S 28	12 21 9	7°12'58"	15°34'	24°42'	17°38'	3°10'	6°41'	4°0'	9°11'	28°5'	14°14'	14°6'	13°9'	5°8'	27°14'	
M29	12 25 6	8°12'06"	27°29'	26°11'	18°53'	3°43'	6°56'	3°56'	9°11'	28°5'	14°15'	14°3'	13°5'	5°15'	27°12'	
T 30	12 29 2	9°11'12"	9 ^h 20'	27°35'	20°7'	4°15'	7°10'	3°53'	9°12'	28°5'	14°15'	14°D2	13°2'	5°22'	27°10'	
W31	12 32 59	10 ^h 10'17"	21 ^h 10'	28°45'	21°21'	4°48'	7°25'	3 ^h 49'	9 ^h 13'	28°R5	14 ^h 16'	14 ^h 3'	12 ^h 59'	5 ^h 28'	27 ^h 8'	

Delta T = 41.20 sec.

Greg. Calendar

APRIL 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
T 1	12 36 55	11 ^h 9'19"	3 ^h 26'	0 ^h 8'7"	22 ^h 36'	5 ^h 20'	7 ^h 39'	3°R46	9 ^h 14'	28°R5	14 ^h 17'	14 ^h 4'	12 ^h 56'	5 ^h 35'	27°R6	
F 2	12 40 52	12°8'20"	15°12'	1°15'	23°50'	5°53'	7°54'	3 ^h 11'43"	9°14'	28 ^h 27'	14°17'	14°R4	12°53'	5°42'	27 ^h 11'4"	
S 3	12 44 48	13°7'19"	27°33'	2°17'	25°4'	6°25'	8°8'	3°40'	9°15'	28°5'	14°18'	14°3'	12°50'	5°48'	27°1'	
S 4	12 48 45	14°6'16"	10 ^h 14'	3°12'	26°18'	6°57'	8°23'	3°37'	9°15'	28°5'	14°19'	14°0'	12°46'	5°55'	26°59'	
M 5	12 52 42	15°5'12"	23°15'	4°1'	27°32'	7°29'	8°37'	3°34'	9°16'	28°4'	14°20'	13°55'	12°43'	6°2'	26°56'	
T 6	12 56 38	16°4'05"	6 ^h 38'	4°44'	28°46'	8°0'	8°52'	3°31'	9°16'	28°4'	14°20'	13°47'	12°40'	6°8'	26°53'	
W 7	13 0 35	17°2'56"	20°21'	5°21'	0 ^h 1'	8°32'	9°6'	3°28'	9°17'	28°4'	14°21'	13°37'	12°37'	6°15'	26°51'	
T 8	13 4 31	18°1'46"	4 ^h 22'	5°51'	1°15'	9°3'	9°20'	3°25'	9°17'	28°4'	14°22'	13°27'	12°34'	6°22'	26°48'	
F 9	13 8 28	19°0'33"	18°35'	6°15'	2°29'	9°35'	9°35'	3°22'	9°17'	28°3'	14°23'	13°16'	12°30'	6°28'	26°45'	
S 10	13 12 24	19°59'19"	2 ^h 11'54"	6°32'	3°43'	10°6'	9°49'	3°20'	9°17'	28°3'	14°24'	13°8'	12°27'	6°35'	26°42'	
S 11	13 16 21	20°58'02"	17°15'	6°43'	4°57'	10°37'	10°4'	3°17'	9°17'	28°3'	14°25'	13°1'	12°24'	6°42'	26°39'	
M12	13 20 17	21°56'43"	1 ^h 34'	6°R47	6°11'	11°7'	10°18'	3°15'	9°18'	28°2'	14°26'	12°57'	12°21'	6°48'	26°36'	
T 13	13 24 14	22°55'21"	15°46'	6°46'	7°25'	11°38'	10°32'	3°13'	9°R18	28°2'	14°27'	12°56'	12°18'	6°55'	26°33'	
W14	13 28 11	23°53'58"	29°51'	6°39'	8°38'	12°8'	10°47'	3°11'	9°18'	28°2'	14°27'	12°D56	12°15'	7°2'	26°29'	
T 15	13 32 7	24°52'32"	13 ^h 28'	6°26'	9°52'	12°39'	11°1'	3°8'	9°18'	28°1'	14°28'	12°R56	12°11'	7°8'	26°26'	
F 16	13 36 4	25°51'04"	27°36'	6°7'	11°6'	13°9'	11°15'	3°6'	9°17'	28°1'	14°29'	12°55'	12°8'	7°15'	26°22'	
S 17	13 40 0	26°49'33"	11 ^h 15'	5°44'	12°20'	13°38'	11°30'	3°5'	9°17'	28°0'	14°30'	12°52'	12°5'	7°22'	26°19'	
S 18	13 43 57	27°48'01"	24°45'	5°17'	13°34'	14°8'	11°44'	3°3'	9°17'	27°59'	14°31'	12°47'	12°2'	7°28'	26°15'	
M19	13 47 53	28°46'26"	8 ^h 25'	4°46'	14°48'	14°38'	11°58'	3°1'	9°17'	27°59'	14°32'	12°39'	11°59'	7°35'	26°12'	
T 20	13 51 50	29°44'49"	21°13'	4°12'	16°1'	15°7'	12°12'	3°0'	9°16'	27°58'	14°33'	12°28'	11°55'	7°42'	26°8'	
W21	13 55 46	0 ^h 43'11"	4 ^h 11'	3°35'	17°15'	15°36'	12°26'	2°58'	9°16'	27°58'	14°34'	12°15'	11°52'	7°48'	26°4'	
T 22	13 59 43	1°41'31"	16°49'	2°57'	18°29'	16°5'	12°40'	2°57'	9°16'	27°57'	14°36'	12°2'	11°49'	7°55'	26°1'	
F 23	14 3 40	2°39'49"	29°16'	2°17'	19°42'	16°33'	12°54'	2°55'	9°15'	27°56'	14°37'	11°50'	11°46'	8°2'	25°57'	
S 24	14 7 36	3°38'05"	11 ^h 29'	1°37'	20°56'	17°2'	13°8'	2°54'	9°15'	27°55'	14°38'	11°39'	11°43'	8°8'	25°53'	
S 25	14 11 33	4°36'20"	23°32'	0°58'	22°10'	17°30'	13°22'	2°53'	9°14'	27°55'	14°39'	11°31'	11°40'	8°15'	25°49'	
M26	14 15 29	5°34'33"	5 ^h 25'	0°20'	23°23'	17°58'	13°36'	2°52'	9°14'	27°54'	14°40'	11°26'	11°36'	8°22'	25°45'	
T 27	14 19 26	6°32'45"	17°15'	29°43'	24°37'	18°26'	13°50'	2°51'	9°13'	27°53'	14°41'	11°23'	11°33'	8°28'	25°41'	
W28	14 23 22	7°30'55"	29°4'	2°9'	25°50'	18°53'	14°4'	2°50'	9°12'	27°52'	14°42'	11°22'	11°30'	8°35'	25°37'	
T 29	14 27 19	8°29'03"	10 ^h 59'	28°37'	27°4'	19°20'	14°18'	2°50'	9°12'	27°51'	14°43'	11°21'	11°27'	8°42'	25°33'	
F 30	14 31 15	9 ^h 27'10"	23 ^h 5'	28°49'	28 ^h 17'	19 ^h 24'	14°17'32"	2 ^h 49'	9 ^h 11'	27 ^h 50'	14 ^h 44'	11 ^h 21'	11 ^h 24'	8 ^h 48'	25 ^h 29'	

Delta T = 41.12 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1655

MAY 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	14 35 12	10♌25'16	5♋27	27°R45	29♄31	20♃14	14♃46	2°R49	9°R10	27°R49	14♌46	11°R20	11♌21	8♃55	25°R24
S 2	14 39 9	11°23'20	18°10	27°V24	0♌44	20°40	14°59	2♌48	9♃ 9	27♄48	14°47	11♌16	11°17	9° 2	25♌20
M 3	14 43 5	12°21'23	1°V18	27° 8	1°57	21° 6	15°13	2°48	9° 8	27°47	14°48	11°10	11°14	9° 8	25°16
T 4	14 47 2	13°19'24	14°52	26°57	3°11	21°32	15°27	2°48	9° 7	27°46	14°49	11° 2	11°11	9°15	25°12
W 5	14 50 58	14°17'24	28°51	26°50	4°24	21°57	15°40	2°D48	9° 6	27°45	14°50	10°51	11° 8	9°22	25° 7
T 6	14 54 55	15°15'23	13♌12	26°D47	5°37	22°23	15°54	2°48	9° 5	27°44	14°52	10°39	11° 5	9°28	25° 3
F 7	14 58 51	16°13'20	27°49	26°49	6°51	22°48	16° 7	2°48	9° 4	27°43	14°53	10°28	11° 1	9°35	24°59
S 8	15 2 48	17°11'15	12♌34	26°56	8° 4	23°12	16°21	2°49	9° 3	27°42	14°54	10°18	10°58	9°42	24°54
S 9	15 6 44	18° 9'09	27°20	27° 8	9°17	23°36	16°34	2°49	9° 2	27°41	14°55	10°11	10°55	9°48	24°50
M10	15 10 41	19° 7'01	11♌58	27°24	10°30	24° 0	16°48	2°49	9° 0	27°40	14°57	10° 6	10°52	9°55	24°45
T 11	15 14 38	20° 4'51	26°25	27°44	11°44	24°24	17° 1	2°50	8°59	27°39	14°58	10° 4	10°49	10° 2	24°41
W12	15 18 34	21° 2'40	10♌36	28° 9	12°57	24°47	17°14	2°51	8°58	27°37	14°59	10°D 4	10°46	10° 8	24°37
T 13	15 22 31	22° 0'27	24°11	28°38	14°10	25° 9	17°27	2°51	8°56	27°36	15° 1	10°R 4	10°42	10°15	24°32
F 14	15 26 27	22°58'12	8♌11	29°11	15°23	25°32	17°40	2°52	8°55	27°35	15° 2	10° 3	10°39	10°22	24°28
S 15	15 30 24	23°55'55	21°36	29°48	16°36	25°54	17°54	2°53	8°53	27°34	15° 3	10° 0	10°36	10°28	24°23
S 16	15 34 20	24°53'36	4♌47	0♌29	17°49	26°16	18° 6	2°55	8°52	27°32	15° 5	9°55	10°33	10°35	24°19
M17	15 38 17	25°51'17	17°46	1°14	19° 2	26°37	18°19	2°56	8°50	27°31	15° 6	9°47	10°30	10°42	24°14
T 18	15 42 13	26°48'55	0♌34	2° 2	20°15	26°58	18°32	2°57	8°49	27°30	15° 7	9°37	10°27	10°48	24°10
W19	15 46 10	27°46'32	13°10	2°54	21°28	27°18	18°45	2°59	8°47	27°28	15° 9	9°25	10°23	10°55	24° 5
T 20	15 50 7	28°44'08	25°35	3°49	22°40	27°38	18°58	3° 0	8°46	27°27	15°10	9°13	10°20	11° 2	24° 1
F 21	15 54 3	29°41'43	7♌49	4°47	23°53	27°58	19°11	3° 2	8°44	27°26	15°11	9° 1	10°17	11° 8	23°57
S 22	15 58 0	0♌39'17	19°54	5°49	25° 6	28°17	19°23	3° 3	8°42	27°24	15°13	8°51	10°14	11°15	23°52
S 23	16 1 56	1°36'50	1♌51	6°54	26°19	28°35	19°36	3° 5	8°41	27°23	15°14	8°43	10°11	11°22	23°48
M24	16 5 53	2°34'21	13°41	8° 1	27°32	28°54	19°48	3° 7	8°39	27°22	15°15	8°38	10° 7	11°28	23°43
T 25	16 9 49	3°31'52	25°29	9°12	28°44	29°11	20° 1	3° 9	8°37	27°20	15°17	8°35	10° 4	11°35	23°39
W26	16 13 46	4°29'21	7♌18	10°26	29°57	29°29	20°13	3°11	8°35	27°19	15°18	8°D34	10° 1	11°42	23°35
T 27	16 17 42	5°26'50	19°12	11°43	1♌10	29°45	20°25	3°14	8°33	27°17	15°20	8°34	9°58	11°48	23°30
F 28	16 21 39	6°24'18	1♌17	13° 2	2°22	0♌ 1	20°37	3°16	8°31	27°16	15°21	8°R35	9°55	11°55	23°26
S 29	16 25 36	7°21'45	13°38	14°24	3°35	0°17	20°49	3°18	8°29	27°14	15°22	8°35	9°52	12° 2	23°22
S 30	16 29 32	8°19'12	26°20	15°49	4°47	0°32	21° 1	3°21	8°27	27°13	15°24	8°33	9°48	12° 8	23°18
M31	16 33 29	9♌16'38	9°V27	17♄17	6♁ 0	0♌47	21°V13	3♌23	8♃25	27♄11	15♌25	8♌29	9♌45	12♃15	23♌14

Delta T = 41.04 sec.

Greg. Calendar

JUNE 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	16 37 25	10♌14'03	23°V 2	18♄47	7♁12	1♌ 1	21°V25	3♌26	8°R23	27°R10	15♌26	8°R24	9♌42	12♃22	23°R10
W 2	16 41 22	11°11'28	7♄ 5	20°21	8°25	1°14	21°37	3°29	8♃21	27♄ 8	15°28	8♌16	9°39	12°28	23♌ 5
T 3	16 45 18	12° 8'51	21°34	21°56	9°37	1°27	21°49	3°32	8°19	27° 7	15°29	8° 8	9°36	12°35	23° 1
F 4	16 49 15	13° 6'15	6♌24	23°35	10°49	1°39	22° 0	3°35	8°17	27° 5	15°31	7°59	9°33	12°42	22°57
S 5	16 53 11	14° 3'37	21°26	25°16	12° 2	1°51	22°12	3°38	8°15	27° 3	15°32	7°52	9°29	12°48	22°53
S 6	16 57 8	15° 0'59	6♁31	27° 0	13°14	2° 1	22°23	3°41	8°13	27° 2	15°33	7°46	9°26	12°55	22°50
M 7	17 1 5	15°58'20	21°30	28°46	14°26	2°12	22°34	3°44	8°11	27° 0	15°35	7°43	9°23	13° 2	22°46
T 8	17 5 1	16°55'40	6♌14	0♌35	15°39	2°21	22°46	3°48	8° 9	26°59	15°36	7°D42	9°20	13° 8	22°42
W 9	17 8 58	17°52'59	20°40	2°26	16°51	2°30	22°57	3°51	8° 6	26°57	15°38	7°43	9°17	13°15	22°38
T 10	17 12 54	18°50'17	4♌44	4°20	18° 3	2°39	23° 8	3°55	8° 4	26°56	15°39	7°44	9°13	13°22	22°35
F 11	17 16 51	19°47'34	18°25	6°17	19°15	2°46	23°19	3°58	8° 2	26°54	15°40	7°R44	9°10	13°28	22°31
S 12	17 20 47	20°44'50	1♌47	8°15	20°27	2°53	23°30	4° 2	8° 0	26°52	15°42	7°44	9° 7	13°35	22°27
S 13	17 24 44	21°42'06	14°49	10°16	21°39	2°59	23°40	4° 6	7°57	26°51	15°43	7°42	9° 4	13°42	22°24
M14	17 28 40	22°39'20	27°36	12°19	22°51	3° 5	23°51	4°10	7°55	26°49	15°45	7°37	9° 1	13°48	22°20
T 15	17 32 37	23°36'34	10♌ 9	14°23	24° 3	3°10	24° 1	4°14	7°53	26°47	15°46	7°31	8°58	13°55	22°17
W16	17 36 34	24°33'47	22°30	16°30	25°15	3°14	24°12	4°18	7°50	26°46	15°47	7°24	8°54	14° 2	22°14
T 17	17 40 30	25°31'00	4♌41	18°38	26°27	3°17	24°22	4°22	7°48	26°44	15°49	7°16	8°51	14° 8	22°10
F 18	17 44 27	26°28'13	16°44	20°47	27°38	3°20	24°32	4°26	7°46	26°43	15°50	7° 9	8°48	14°15	22° 7
S 19	17 48 23	27°25'24	28°40	22°57	28°50	3°22	24°43	4°30	7°43	26°41	15°52	7° 3	8°45	14°22	22° 4
S 20	17 52 20	28°22'36	10♃31	25° 7	0♌ 2	3°23	24°52	4°35	7°41	26°39	15°53	6°58	8°42	14°28	22° 1
M21	17 56 16	29°19'47	22°20	27°18	1°13	3°R24	25° 2	4°39	7°39	26°38	15°54	6°55	8°39	14°35	21°58
T 22	18 0 13	0♌16'58	4♌ 7	29°30	2°25	3°23	25°12	4°44	7°36	26°36	15°56	6°D54	8°35	14°42	21°55
W23	18 4 10	1°14'09	15°58	1♌41	3°36	3°22	25°22	4°48	7°34	26°35	15°57	6°55	8°32	14°48	21°53
T 24	18 8 6	2°11'20	27°54	3°51	4°48	3°20	25°31	4°53	7°31	26°33	15°58	6°56	8°29	14°55	21°50
F 25	18 12 3	3° 8'31	10♌ 1	6° 1	5°59	3°18	25°41	4°58	7°29	26°31	16° 0	6°58	8°26	15° 1	21°47
S 26	18 15 59	4° 5'42	22°22	8°10	7°11	3°15	25°50	5° 2	7°27	26°30	16° 1	6°59	8°23	15° 8	21°45
S 27	18 19 56	5° 2'54	5°V 2	10°18	8°22	3°10	25°59	5° 7	7°24	26°28	16° 2	6°R59	8°19	15°15	21°42
M28	18 23 52	6° 0'05	18° 6	12°25	9°33	3° 6	26° 8	5°12	7°22	26°27	16° 4	6°59	8°16	15°21	21°40
T 29	18 27 49	6°57'17	1♌36	14°30	10°45	3° 0	26°17	5°17	7°19	26°25	16° 5	6°57	8°13	15°28	21°38
W30	18 31 45	7♁54'29	15♄33	16♁34	11♌56	2♌54	26°V26	5♌23	7♃17	26♄23	16♌ 6	6♌54	8♌10	15♃35	21♌35

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SWISS EPHEMERIS for the year 1655

JULY 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 35 42	8 ^h 51'41"	29 ^h 58'	18 ^h 36'	13 ^h 07'	2 ^h R47	26 ^h 35'	5 ^h 28'	7 ^h R14	26 ^h R22	16 ^h II 8	6 ^h R50	8 ^h 7	15 ^h 34'	21 ^h R33
F 2	18 39 39	9 ^h 48'54"	14 ^h II 46	20 ^h 37'	14 ^h 18'	2 ^h 339	26 ^h 43'	5 ^h 33'	7 ^h 312	26 ^h 20	16 ^h 9	6 ^h 346	8 ^h 4	15 ^h 48'	21 ^h II 31
S 3	18 43 35	10 ^h 46'07"	29 ^h 51'	22 ^h 35'	15 ^h 29'	2 ^h 30	26 ^h 51'	5 ^h 38'	7 ^h 10	26 ^h 19	16 ^h 10	6 ^h 43	8 ^h 0	15 ^h 55'	21 ^h 29
S 4	18 47 32	11 ^h 43'20"	15 ^h 31'	24 ^h 32'	16 ^h 40'	2 ^h 21	27 ^h 0	5 ^h 44'	7 ^h 7	26 ^h 17	16 ^h 12	6 ^h 41	7 ^h 57	16 ^h 1	21 ^h 28
M 5	18 51 28	12 ^h 40'34"	0 ^h 13	26 ^h 27'	17 ^h 51'	2 ^h 11	27 ^h 8	5 ^h 49'	7 ^h 5	26 ^h 16	16 ^h 13	6 ^h D40	7 ^h 54	16 ^h 8	21 ^h 26
T 6	18 55 25	13 ^h 37'47"	15 ^h 11'	28 ^h 20'	19 ^h 2	2 ^h 1	27 ^h 16	5 ^h 55'	7 ^h 2	26 ^h 14	16 ^h 14	6 ^h 40	7 ^h 51	16 ^h 15	21 ^h 24
W 7	18 59 21	14 ^h 35'00"	29 ^h 51'	0 ^h 11	20 ^h 13'	1 ^h 49	27 ^h 24	6 ^h 0	7 ^h 0	26 ^h 12	16 ^h 15	6 ^h 41	7 ^h 48	16 ^h 21	21 ^h 23
T 8	19 3 18	15 ^h 32'14"	14 ^h II 7	2 ^h 1	21 ^h 23'	1 ^h 38	27 ^h 31	6 ^h 6	6 ^h 58	26 ^h 11	16 ^h 17	6 ^h 42	7 ^h 45	16 ^h 28	21 ^h 21
F 9	19 7 14	16 ^h 29'27"	27 ^h 58'	3 ^h 48	22 ^h 34'	1 ^h 25	27 ^h 39	6 ^h 12	6 ^h 55	26 ^h 9	16 ^h 18	6 ^h 43	7 ^h 41	16 ^h 35	21 ^h 20
S 10	19 11 11	17 ^h 26'40"	11 ^h 23'	5 ^h 33	23 ^h 45'	1 ^h 13	27 ^h 46	6 ^h 17	6 ^h 53	26 ^h 8	16 ^h 19	6 ^h R44	7 ^h 38	16 ^h 41	21 ^h 18
S 11	19 15 8	18 ^h 23'53"	24 ^h 26'	7 ^h 17	24 ^h 55'	0 ^h 59	27 ^h 54	6 ^h 23	6 ^h 50	26 ^h 7	16 ^h 20	6 ^h 44	7 ^h 35	16 ^h 48	21 ^h 17
M 12	19 19 4	19 ^h 21'07"	7 ^h II 8	8 ^h 58	26 ^h 6	0 ^h 45	28 ^h 1	6 ^h 29	6 ^h 48	26 ^h 5	16 ^h 22	6 ^h 43	7 ^h 32	16 ^h 55	21 ^h 16
T 13	19 23 1	20 ^h 18'21"	19 ^h 34	10 ^h 38	27 ^h 16	0 ^h 31	28 ^h 8	6 ^h 35	6 ^h 46	26 ^h 4	16 ^h 23	6 ^h 42	7 ^h 29	17 ^h 1	21 ^h 15
W 14	19 26 57	21 ^h 15'35"	1 ^h 46	12 ^h 16	28 ^h 26	0 ^h 17	28 ^h 14	6 ^h 41	6 ^h 43	26 ^h 2	16 ^h 24	6 ^h 40	7 ^h 25	17 ^h 8	21 ^h 14
T 15	19 30 54	22 ^h 12'49"	13 ^h 48	13 ^h 52	29 ^h 37	0 ^h 2	28 ^h 21	6 ^h 47	6 ^h 41	26 ^h 1	16 ^h 25	6 ^h 38	7 ^h 22	17 ^h 15	21 ^h 14
F 16	19 34 50	23 ^h 10'04"	25 ^h 42	15 ^h 26	0 ^h 47	29 ^h 346	28 ^h 28	6 ^h 53	6 ^h 39	25 ^h 59	16 ^h 26	6 ^h 36	7 ^h 19	17 ^h 21	21 ^h 13
S 17	19 38 47	24 ^h 7'19"	7 ^h 33	16 ^h 58	1 ^h 57	29 ^h 31	28 ^h 34	6 ^h 59	6 ^h 37	25 ^h 58	16 ^h 28	6 ^h 34	7 ^h 16	17 ^h 28	21 ^h 12
S 18	19 42 43	25 ^h 4'34"	19 ^h 21	18 ^h 28	3 ^h 7	29 ^h 15	28 ^h 40	7 ^h 6	6 ^h 34	25 ^h 57	16 ^h 29	6 ^h 33	7 ^h 13	17 ^h 35	21 ^h 12
M 19	19 46 40	26 ^h 1'50"	1 ^h 10	19 ^h 56	4 ^h 17	28 ^h 59	28 ^h 46	7 ^h 12	6 ^h 32	25 ^h 55	16 ^h 30	6 ^h D32	7 ^h 10	17 ^h 41	21 ^h 11
T 20	19 50 37	26 ^h 59'07"	13 ^h 1	21 ^h 22	5 ^h 27	28 ^h 43	28 ^h 52	7 ^h 18	6 ^h 30	25 ^h 54	16 ^h 31	6 ^h 32	7 ^h 6	17 ^h 48	21 ^h 11
W 21	19 54 33	27 ^h 56'25"	24 ^h 57	22 ^h 46	6 ^h 36	28 ^h 27	28 ^h 58	7 ^h 24	6 ^h 28	25 ^h 53	16 ^h 32	6 ^h 33	7 ^h 3	17 ^h 55	21 ^h 11
T 22	19 58 30	28 ^h 53'43"	7 ^h II 1	24 ^h 8	7 ^h 46	28 ^h 10	29 ^h 3	7 ^h 31	6 ^h 25	25 ^h 51	16 ^h 33	6 ^h 33	7 ^h 0	18 ^h 1	21 ^h D11
F 23	20 2 26	29 ^h 51'02"	19 ^h 15	25 ^h 28	8 ^h 56	27 ^h 54	29 ^h 9	7 ^h 37	6 ^h 23	25 ^h 50	16 ^h 34	6 ^h 34	6 ^h 57	18 ^h 8	21 ^h 11
S 24	20 6 23	0 ^h 48'22"	1 ^h 42	26 ^h 46	10 ^h 5	27 ^h 38	29 ^h 14	7 ^h 44	6 ^h 21	25 ^h 49	16 ^h 35	6 ^h 35	6 ^h 54	18 ^h 14	21 ^h 11
S 25	20 10 19	1 ^h 45'43"	14 ^h 25	28 ^h 2	11 ^h 15	27 ^h 21	29 ^h 19	7 ^h 50	6 ^h 19	25 ^h 48	16 ^h 36	6 ^h 35	6 ^h 51	18 ^h 21	21 ^h 11
M 26	20 14 16	2 ^h 43'05"	27 ^h 28	29 ^h 16	12 ^h 24	27 ^h 5	29 ^h 24	7 ^h 57	6 ^h 17	25 ^h 46	16 ^h 37	6 ^h R35	6 ^h 47	18 ^h 28	21 ^h 11
T 27	20 18 12	3 ^h 40'29"	10 ^h 53	0 ^h 27	13 ^h 33	26 ^h 49	29 ^h 28	8 ^h 4	6 ^h 15	25 ^h 45	16 ^h 38	6 ^h 35	6 ^h 44	18 ^h 34	21 ^h 12
W 28	20 22 9	4 ^h 37'53"	24 ^h 42	1 ^h 36	14 ^h 42	26 ^h 33	29 ^h 33	8 ^h 10	6 ^h 13	25 ^h 44	16 ^h 39	6 ^h 35	6 ^h 41	18 ^h 41	21 ^h 12
T 29	20 26 6	5 ^h 35'19"	8 ^h II 54	2 ^h 43	15 ^h 52	26 ^h 18	29 ^h 37	8 ^h 17	6 ^h 11	25 ^h 43	16 ^h 40	6 ^h 35	6 ^h 38	18 ^h 48	21 ^h 13
F 30	20 30 2	6 ^h 32'46"	23 ^h 29	3 ^h 47	17 ^h 1	26 ^h 2	29 ^h 41	8 ^h 24	6 ^h 9	25 ^h 42	16 ^h 41	6 ^h D35	6 ^h 35	18 ^h 54	21 ^h 14
S 31	20 33 59	7 ^h 30'15"	8 ^h 22	4 ^h 48	18 ^h 10	25 ^h 347	29 ^h 45	8 ^h 31	6 ^h 7	25 ^h 41	16 ^h II 42	6 ^h 35	6 ^h 31	19 ^h 3	21 ^h II 15

Delta T = 40.87 sec.

Greg. Calendar

AUGUST 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 37 55	8 ^h 02'74"	23 ^h 25'	5 ^h 47	19 ^h 18	25 ^h R33	29 ^h 49	8 ^h 37	6 ^h R 5	25 ^h R39	16 ^h II 43	6 ^h 35	6 ^h 28	19 ^h 3	21 ^h II 15
M 2	20 41 52	9 ^h 25'15"	8 ^h 32	6 ^h 43	20 ^h 27	25 ^h 318	29 ^h 53	8 ^h 44	6 ^h 3	25 ^h 38	16 ^h 44	6 ^h R35	6 ^h 25	19 ^h 14	21 ^h 16
T 3	20 45 48	10 ^h 22'46"	23 ^h 32	7 ^h 36	21 ^h 36	25 ^h 5	29 ^h 56	8 ^h 51	6 ^h 1	25 ^h 37	16 ^h 45	6 ^h 35	6 ^h 22	19 ^h 21	21 ^h 18
W 4	20 49 45	11 ^h 20'19"	8 ^h II 18	8 ^h 26	22 ^h 44	24 ^h 51	29 ^h 59	8 ^h 58	5 ^h 59	25 ^h 36	16 ^h 46	6 ^h 35	6 ^h 19	19 ^h 28	21 ^h 19
T 5	20 53 42	12 ^h 17'52"	22 ^h 43	9 ^h 12	23 ^h 53	24 ^h 39	0 ^h 2	9 ^h 5	5 ^h 57	25 ^h 35	16 ^h 47	6 ^h 34	6 ^h 16	19 ^h 34	21 ^h 20
F 6	20 57 38	13 ^h 15'27"	6 ^h 43	9 ^h 55	25 ^h 1	24 ^h 27	0 ^h 5	9 ^h 12	5 ^h 56	25 ^h 34	16 ^h 48	6 ^h 34	6 ^h 12	19 ^h 41	21 ^h 22
S 7	21 1 35	14 ^h 13'02"	20 ^h 15	10 ^h 34	26 ^h 9	24 ^h 15	0 ^h 8	9 ^h 19	5 ^h 54	25 ^h 33	16 ^h 49	6 ^h 33	6 ^h 9	19 ^h 48	21 ^h 23
S 8	21 5 31	15 ^h 10'38"	3 ^h II 23	11 ^h 10	27 ^h 17	24 ^h 4	0 ^h 10	9 ^h 26	5 ^h 52	25 ^h 32	16 ^h 49	6 ^h 32	6 ^h 6	19 ^h 54	21 ^h 25
M 9	21 9 28	16 ^h 8'15"	16 ^h 6	11 ^h 41	28 ^h 25	23 ^h 54	0 ^h 13	9 ^h 34	5 ^h 51	25 ^h 32	16 ^h 50	6 ^h D32	6 ^h 3	20 ^h 1	21 ^h 26
T 10	21 13 24	17 ^h 5'54"	28 ^h 31	12 ^h 8	29 ^h 33	23 ^h 44	0 ^h 15	9 ^h 41	5 ^h 49	25 ^h 31	16 ^h 51	6 ^h 32	6 ^h 0	20 ^h 8	21 ^h 28
W 11	21 17 21	18 ^h 3'33"	10 ^h 39	12 ^h 31	0 ^h 41	23 ^h 36	0 ^h 17	9 ^h 48	5 ^h 47	25 ^h 30	16 ^h 52	6 ^h 33	5 ^h 57	20 ^h 14	21 ^h 30
T 12	21 21 17	19 ^h 1'13"	22 ^h 37	12 ^h 49	1 ^h 48	23 ^h 28	0 ^h 18	9 ^h 55	5 ^h 46	25 ^h 29	16 ^h 53	6 ^h 34	5 ^h 53	20 ^h 21	21 ^h 32
F 13	21 25 14	19 ^h 58'55"	4 ^h 328	13 ^h 2	2 ^h 56	23 ^h 20	0 ^h 20	10 ^h 2	5 ^h 44	25 ^h 28	16 ^h 53	6 ^h 35	5 ^h 50	20 ^h 28	21 ^h 34
S 14	21 29 11	20 ^h 56'37"	16 ^h 16	13 ^h 9	4 ^h 3	23 ^h 14	0 ^h 21	10 ^h 10	5 ^h 43	25 ^h 28	16 ^h 54	6 ^h 36	5 ^h 47	20 ^h 34	21 ^h 37
S 15	21 33 7	21 ^h 54'21"	28 ^h 5	13 ^h R12	5 ^h 10	23 ^h 8	0 ^h 22	10 ^h 17	5 ^h 41	25 ^h 27	16 ^h 55	6 ^h 37	5 ^h 44	20 ^h 41	21 ^h 39
M 16	21 37 4	22 ^h 52'06"	9 ^h 35	13 ^h 8	6 ^h 17	23 ^h 3	0 ^h 23	10 ^h 24	5 ^h 40	25 ^h 26	16 ^h 55	6 ^h R37	5 ^h 41	20 ^h 47	21 ^h 41
T 17	21 41 0	23 ^h 49'53"	21 ^h 55	13 ^h 0	7 ^h 24										

SWISS EPHEMERIS for the year 1655

SEPTEMBER 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 40 8	8 ^h 19'55"	16 ^h 30	2°R 5	23 ^h 48	23 ^h 32	0°R11	12 ^h 23	5°R23	25°R19	17 ^h II 4	6°R19	4 ^h 50	22 ^h 34	22 ^h 32
T 2	22 44 5	9°18'10	0 ^h 53	1 ^h 21	24°52	23°40	0 ^h 8	12°31	5 ^h 23	25°R19	17° 4	6 ^h 14	4°47	22°41	22°36
F 3	22 48 2	10°16'27	14°54	0°44	25°56	23°50	0° 6	12°38	5°22	25°19	17° 4	6° 9	4°43	22°47	22°40
S 4	22 51 58	11°14'45	28°30	0°13	27° 0	24° 0	0° 3	12°46	5°22	25°19	17° 4	6° 4	4°40	22°54	22°44
S 5	22 55 55	12°13'04	11 ^h 41	29 ^h 51	28° 3	24°11	29 ^h 59	12°53	5°21	25°19	17° 5	5°59	4°37	23° 0	22°49
M 6	22 59 51	13°11'26	24°28	29°36	29° 6	24°22	29°57	13° 1	5°21	25°19	17° 5	5°56	4°34	23° 7	22°53
T 7	23 3 48	14° 9'49	6 ^h 54	29 ^h D31	0 ^h 9	24°35	29°53	13° 8	5°20	25°D19	17° 5	5°54	4°31	23°14	22°57
W 8	23 7 44	15° 8'13	19° 3	29°35	1°12	24°48	29°50	13°16	5°20	25°19	17° 5	5°D54	4°28	23°20	23° 2
T 9	23 11 41	16° 6'40	0 ^h 59	29°48	2°14	25° 2	29°46	13°23	5°20	25°19	17° 6	5°55	4°24	23°27	23° 6
F 10	23 15 37	17° 5'08	12°49	0 ^h 11	3°16	25°16	29°42	13°31	5°19	25°19	17° 6	5°56	4°21	23°34	23°11
S 11	23 19 34	18° 3'37	24°37	0°42	4°18	25°31	29°38	13°38	5°19	25°19	17° 6	5°58	4°18	23°40	23°16
S 12	23 23 31	19° 2'08	6 ^h 28	1°22	5°20	25°47	29°33	13°46	5°19	25°19	17° 6	5°R59	4°15	23°47	23°20
M13	23 27 27	20° 0'41	18°25	2°11	6°21	26° 3	29°29	13°53	5°19	25°19	17° 6	5°58	4°12	23°54	23°25
T 14	23 31 24	20°59'16	0 ^h 32	3° 8	7°22	26°20	29°24	14° 1	5°D19	25°19	17° 6	5°55	4° 8	24° 0	23°30
W15	23 35 20	21°57'52	12°52	4°11	8°23	26°38	29°19	14° 8	5°19	25°20	17° 6	5°50	4° 5	24° 7	23°35
T 16	23 39 17	22°56'31	25°25	5°22	9°23	26°56	29°14	14°16	5°19	25°20	17° 6	5°43	4° 2	24°14	23°40
F 17	23 43 13	23°55'11	8°Y12	6°39	10°23	27°15	29° 9	14°23	5°19	25°20	17°R 6	5°35	3°59	24°20	23°45
S 18	23 47 10	24°53'53	21°13	8° 1	11°23	27°35	29° 3	14°31	5°19	25°21	17° 6	5°26	3°56	24°27	23°50
S 19	23 51 6	25°52'38	4 ^h 27	9°28	12°22	27°55	28°58	14°38	5°19	25°21	17° 6	5°18	3°53	24°33	23°56
M20	23 55 3	26°51'25	17°53	10°59	13°21	28°15	28°52	14°46	5°20	25°21	17° 6	5°11	3°49	24°40	24° 1
T 21	23 59 0	27°50'14	1 ^h 31	12°34	14°19	28°36	28°46	14°53	5°20	25°22	17° 6	5° 6	3°46	24°47	24° 6
W22	0 2 56	28°49'05	15°18	14°12	15°17	28°58	28°40	15° 1	5°20	25°22	17° 6	5° 3	3°43	24°53	24°12
T 23	0 6 53	29°47'59	29°15	15°52	16°15	29°20	28°34	15° 8	5°21	25°23	17° 6	5°D 2	3°40	25° 0	24°17
F 24	0 10 49	0 ^h 46'55	13 ^h 21	17°35	17°12	29°43	28°28	15°15	5°21	25°23	17° 6	5° 2	3°37	25° 7	24°23
S 25	0 14 46	1°45'54	27°35	19°19	18° 9	0 ^h 6	28°22	15°23	5°22	25°24	17° 6	5°R 3	3°34	25°13	24°29
S 26	0 18 42	2°44'54	11 ^h 56	21° 4	19° 5	0°29	28°15	15°30	5°22	25°25	17° 5	5° 3	3°30	25°20	24°34
M27	0 22 39	3°43'57	26°20	22°51	20° 1	0°54	28° 8	15°37	5°23	25°25	17° 5	5° 1	3°27	25°27	24°40
T 28	0 26 35	4°43'02	10 ^h 44	24°37	20°56	1°18	28° 2	15°45	5°24	25°26	17° 5	4°57	3°24	25°33	24°46
W29	0 30 32	5°42'10	25° 2	26°25	21°51	1°43	27°55	15°52	5°24	25°27	17° 5	4°50	3°21	25°40	24°52
T 30	0 34 29	6°41'19	9 ^h 9	28 ^h 12	22 ^h 45	2 ^h 9	27°48	15 ^h 59	5°25	25°27	17 ^h II 4	4 ^h 41	3 ^h 18	25 ^h 47	24 ^h 58

Delta T = 40.70 sec.

Greg. Calendar

OCTOBER 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 38 25	7 ^h 40'31	23 ^h 0	29 ^h 59	23 ^h 39	2 ^h 34	27°R41	16 ^h 6	5°26	25°28	17°R 4	4°R30	3 ^h 14	25 ^h 53	25 ^h 4
S 2	0 42 22	8°39'44	6 ^h 31	1 ^h 46	24°32	3° 1	27°Y33	16°13	5°27	25°29	17 ^h II 4	4 ^h 20	3°11	26° 0	25°10
S 3	0 46 18	9°39'00	19°39	3°33	25°25	3°28	27°26	16°21	5°28	25°30	17° 3	4°10	3° 8	26° 7	25°16
M 4	0 50 15	10°38'17	2 ^h 26	5°20	26°17	3°55	27°18	16°28	5°29	25°31	17° 3	4° 2	3° 5	26°13	25°22
T 5	0 54 11	11°37'36	14°52	7° 6	27° 8	4°22	27°11	16°35	5°30	25°32	17° 3	3°56	3° 2	26°20	25°28
W 6	0 58 8	12°36'57	27° 1	8°51	27°59	4°50	27° 3	16°42	5°31	25°32	17° 2	3°53	2°59	26°26	25°35
T 7	1 2 4	13°36'20	8 ^h 58	10°36	28°49	5°19	26°56	16°49	5°32	25°33	17° 2	3°D51	2°55	26°33	25°41
F 8	1 6 1	14°35'45	20°47	12°20	29°38	5°47	26°48	16°56	5°33	25°34	17° 1	3°51	2°52	26°40	25°48
S 9	1 9 58	15°35'11	2 ^h 35	14° 4	0 ^h 26	6°16	26°40	17° 3	5°34	25°35	17° 1	3°R52	2°49	26°46	25°54
S 10	1 13 54	16°34'39	14°27	15°47	1°14	6°46	26°32	17°10	5°36	25°37	17° 1	3°51	2°46	26°53	26° 1
M11	1 17 51	17°34'09	26°28	17°29	2° 0	7°16	26°24	17°17	5°37	25°38	17° 0	3°49	2°43	27° 0	26° 7
T 12	1 21 47	18°33'41	8 ^h 42	19°11	2°46	7°46	26°16	17°23	5°38	25°39	17° 0	3°44	2°40	27° 6	26°14
W13	1 25 44	19°33'15	21°12	20°52	3°31	8°16	26° 8	17°30	5°40	25°40	16°59	3°37	2°36	27°13	26°20
T 14	1 29 40	20°32'50	4 ^h Y 1	22°32	4°15	8°47	26° 0	17°37	5°41	25°41	16°58	3°27	2°33	27°20	26°27
F 15	1 33 37	21°32'27	17° 8	24°12	4°58	9°18	25°52	17°44	5°43	25°42	16°58	3°15	2°30	27°26	26°34
S 16	1 37 33	22°32'07	0 ^h 33	25°51	5°40	9°49	25°44	17°50	5°44	25°43	16°57	3° 2	2°27	27°33	26°40
S 17	1 41 30	23°31'48	14°13	27°29	6°21	10°21	25°36	17°57	5°46	25°45	16°57	2°50	2°24	27°40	26°47
M18	1 45 26	24°31'32	28° 4	29° 7	7° 1	10°52	25°28	18° 4	5°47	25°46	16°56	2°39	2°20	27°46	26°54
T 19	1 49 23	25°31'18	12 ^h II 3	0 ^h 44	7°40	11°24	25°20	18°10	5°49	25°47	16°55	2°31	2°17	27°53	27° 1
W20	1 53 20	26°31'06	26° 6	2°21	8°18	11°57	25°11	18°17	5°51	25°49	16°55	2°26	2°14	28° 0	27° 8
T 21	1 57 16	27°30'56	10 ^h 21	3°57	8°54	12°29	25° 3	18°23	5°53	25°50	16°54	2°24	2°11	28° 6	27°15
F 22	2 1 13	28°30'49	24°17	5°33	9°29	13° 2	24°55	18°29	5°55	25°51	16°53	2°23	2° 8	28°13	27°22
S 23	2 5 9	29°30'44	8 ^h 22	7° 8	10° 3	13°35	24°47	18°36	5°56	25°53	16°53	2°23	2° 5	28°19	27°29
S 24	2 9 6	0 ^h 30'41	22°26	8°42	10°35	14° 9	24°39	18°42	5°58	25°54	16°52	2°22	2° 1	28°26	27°36
M25	2 13 2	1°30'40	6 ^h 28	10°16	11° 6	14°42	24°31	18°48	6° 0	25°56	16°51	2°19	1°58	28°33	27°43
T 26	2 16 59	2°30'41	20°26	11°50	11°35	15°16	24°23	18°54	6° 2	25°57	16°50	2°14	1°55	28°39	27°50
W27	2 20 55	3°30'45	4 ^h 18	13°23	12° 3	15°50	24°15	19° 0	6° 4	25°59	16°49	2° 5	1°52	28°46	27°57
T 28	2 24 52	4°30'50	18° 0	14°56	12°29	16°25	24° 7	19° 7	6° 6	26° 0	16°49	1°54	1°49	28°53	28° 5
F 29	2 28 49	5°30'58	1 ^h 31	16°28	12°54	16°59	23°59	19°13	6° 9	26° 2	16°48	1°41	1°45	28°59	28°12
S 30	2 32 45	6°31'07	14°45	18° 0	13°16	17°34	23°52	19°18	6°11	26° 4	16°47	1°28	1°42	29° 6	28°19
S 31	2 36 42	7 ^h 31'18	27 ^h 43	19 ^h 32	13 ^h 37	18 ^h 9	23°Y44	19 ^h 24	6°13	26°5	16 ^h II 46	1 ^h 15	1 ^h 39	29 ^h 13	28 ^h 26

Delta T = 40.62 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1655

NOVEMBER 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	2 40 38	8♏31'31	10♌22	21♏ 3	13♌56	18♏44	23°R36	19♏30	6♌15	26♌ 7	16°R45	1°R 4	1♏36	29♌19	28♏34
T 2	2 44 35	9°31'46	22°44	22°33	14°13	19°19	23°Y29	19°36	6°18	26° 9	16°II44	0♏56	1°33	29°26	28°41
W 3	2 48 31	10°32'02	4♌51	24° 4	14°28	19°55	23°21	19°42	6°20	26°10	16°43	0°51	1°30	29°33	28°48
T 4	2 52 28	11°32'20	16°47	25°33	14°41	20°30	23°14	19°47	6°22	26°12	16°43	0°49	1°26	29°39	28°56
F 5	2 56 24	12°32'39	28°36	27° 3	14°52	21° 6	23° 7	19°53	6°25	26°14	16°42	0°D48	1°23	29°46	29° 3
S 6	3 0 21	13°33'00	10♏23	28°32	15° 1	21°42	23° 0	19°58	6°27	26°16	16°41	0°R48	1°20	29°52	29°11
S 7	3 4 18	14°33'22	22°14	0♌ 0	15° 7	22°18	22°53	20° 4	6°30	26°17	16°40	0°48	1°17	29°59	29°18
M 8	3 8 14	15°33'45	4♌15	1°28	15°11	22°55	22°46	20° 9	6°32	26°19	16°39	0°46	1°14	0♏ 6	29°26
T 9	3 12 11	16°34'10	16°31	2°56	15°R13	23°31	22°39	20°14	6°35	26°21	16°38	0°42	1°11	0°12	29°33
W10	3 16 7	17°34'36	29° 5	4°23	15°12	24° 8	22°32	20°19	6°37	26°23	16°37	0°36	1° 7	0°19	29°40
T 11	3 20 4	18°35'04	12°Y 2	5°49	15° 9	24°44	22°26	20°25	6°40	26°25	16°36	0°27	1° 4	0°26	29°48
F 12	3 24 0	19°35'33	25°23	7°15	15° 4	25°21	22°19	20°30	6°43	26°27	16°35	0°16	1° 1	0°32	29°55
S 13	3 27 57	20°36'03	9♌ 6	8°40	14°56	25°58	22°13	20°35	6°46	26°28	16°34	0° 5	0°58	0°39	0♌ 3
S 14	3 31 53	21°36'35	23° 9	10° 5	14°45	26°36	22° 7	20°39	6°48	26°30	16°33	29♌53	0°55	0°46	0°11
M15	3 35 50	22°37'09	7°II27	11°28	14°32	27°13	22° 1	20°44	6°51	26°32	16°32	29°43	0°51	0°52	0°18
T 16	3 39 47	23°37'44	21°53	12°51	14°17	27°50	21°55	20°49	6°54	26°34	16°31	29°36	0°48	0°59	0°26
W17	3 43 43	24°38'21	6♌22	14°12	13°59	28°28	21°49	20°54	6°57	26°36	16°30	29°31	0°45	1° 6	0°33
T 18	3 47 40	25°39'00	20°49	15°33	13°39	29° 6	21°44	20°58	7° 0	26°38	16°29	29°29	0°42	1°12	0°41
F 19	3 51 36	26°39'40	5♏ 8	16°52	13°17	29°43	21°39	21° 3	7° 3	26°40	16°27	29°D29	0°39	1°19	0°48
S 20	3 55 33	27°40'22	19°19	18° 9	12°52	0♌21	21°33	21° 7	7° 5	26°42	16°26	29°30	0°36	1°25	0°56
S 21	3 59 29	28°41'05	3♏19	19°25	12°26	0°59	21°28	21°11	7° 8	26°44	16°25	29°R30	0°32	1°32	1° 3
M22	4 3 26	29°41'50	17° 9	20°39	11°57	1°37	21°24	21°16	7°11	26°46	16°24	29°28	0°29	1°39	1°11
T 23	4 7 23	0♌42'37	0♌48	21°50	11°27	2°16	21°19	21°20	7°14	26°49	16°23	29°24	0°26	1°45	1°19
W24	4 11 19	1°43'25	14°17	22°59	10°56	2°54	21°14	21°24	7°18	26°51	16°22	29°18	0°23	1°52	1°26
T 25	4 15 16	2°44'14	27°34	24° 4	10°23	3°32	21°10	21°28	7°21	26°53	16°21	29°10	0°20	1°59	1°34
F 26	4 19 12	3°45'05	10♏40	25° 7	9°49	4°11	21° 6	21°32	7°24	26°55	16°20	29° 0	0°17	2° 5	1°41
S 27	4 23 9	4°45'58	23°33	26° 5	9°14	4°49	21° 2	21°36	7°27	26°57	16°19	28°49	0°13	2°12	1°49
S 28	4 27 5	5°46'51	6♌12	26°59	8°38	5°28	20°58	21°39	7°30	26°59	16°17	28°39	0°10	2°19	1°56
M29	4 31 2	6°47'46	18°38	27°47	8° 2	6° 7	20°55	21°43	7°33	27° 1	16°16	28°31	0° 7	2°25	2° 4
T 30	4 34 58	7°48'42	0♌51	28°30	7♌25	6♌46	20°Y52	21°Y46	7°36	27°3	16°II15	28°35	0♏ 4	2°32	2°12

Delta T = 40.54 sec.

Greg. Calendar

DECEMBER 1655 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	4 38 55	8♌49'38	12♌53	29♌ 6	6°R49	7♌25	20°R48	21°Y50	7♌40	27♌ 6	16°R14	28°R21	0♏ 1	2♏39	2♌19
T 2	4 42 52	9°50'36	24°46	29°35	6♌13	8° 4	20°Y45	21°53	7°43	27° 8	16°II13	28°D19	29♌57	2°45	2°27
F 3	4 46 48	10°51'34	6♏33	29°56	5°38	8°43	20°43	21°56	7°46	27°10	16°12	28♌20	29°54	2°52	2°34
S 4	4 50 45	11°52'33	18°19	0♌ 7	5° 3	9°22	20°40	22° 0	7°49	27°12	16°10	28°21	29°51	2°59	2°42
S 5	4 54 41	12°53'33	0♌ 9	0°R 8	4°29	10° 1	20°38	22° 3	7°53	27°14	16° 9	28°22	29°48	3° 5	2°49
M 6	4 58 38	13°54'33	12° 8	29♌59	3°57	10°41	20°36	22° 5	7°56	27°17	16° 8	28°R23	29°45	3°12	2°57
T 7	5 2 34	14°55'33	24°21	29°38	3°26	11°20	20°34	22° 8	7°59	27°19	16° 7	28°23	29°42	3°18	3° 4
W 8	5 6 31	15°56'35	6°Y53	29° 6	2°56	11°59	20°32	22°11	8° 3	27°21	16° 6	28°20	29°38	3°25	3°11
T 9	5 10 27	16°57'37	19°49	28°23	2°29	12°39	20°31	22°14	8° 6	27°23	16° 5	28°16	29°35	3°32	3°19
F 10	5 14 24	17°58'39	3♌11	27°28	2° 3	13°18	20°29	22°16	8°10	27°26	16° 3	28°11	29°32	3°38	3°26
S 11	5 18 21	18°59'42	17° 0	26°24	1°40	13°58	20°28	22°19	8°13	27°28	16° 2	28° 4	29°29	3°45	3°34
S 12	5 22 17	20° 0'45	1°II14	25°12	1°18	14°38	20°27	22°21	8°17	27°30	16° 1	27°58	29°26	3°52	3°41
M13	5 26 14	21° 1'49	15°49	23°53	0°59	15°17	20°27	22°23	8°20	27°32	16° 0	27°52	29°23	3°58	3°48
T 14	5 30 10	22° 2'54	0♌38	22°31	0°43	15°57	20°26	22°25	8°23	27°35	15°59	27°48	29°19	4° 5	3°56
W15	5 34 7	23° 3'59	15°33	21° 8	0°29	16°37	20°26	22°27	8°27	27°37	15°58	27°46	29°16	4°12	4° 3
T 16	5 38 3	24° 5'05	0♏26	19°47	0°17	17°17	20°D26	22°29	8°30	27°39	15°56	27°D45	29°13	4°18	4°10
F 17	5 42 0	25° 6'11	15°10	18°31	0° 8	17°57	20°26	22°31	8°34	27°41	15°55	27°46	29°10	4°25	4°17
S 18	5 45 56	26° 7'18	29°39	17°22	0° 1	18°37	20°27	22°33	8°37	27°44	15°54	27°48	29° 7	4°32	4°25
S 19	5 49 53	27° 8'26	13♏50	16°21	29♏57	19°17	20°27	22°34	8°41	27°46	15°53	27°49	29° 3	4°38	4°32
M20	5 53 50	28° 9'34	27°42	15°30	29°D55	19°57	20°28	22°36	8°44	27°48	15°52	27°R50	29° 0	4°45	4°39
T 21	5 57 46	29°10'43	11♌16	14°50	29°56	20°37	20°29	22°37	8°48	27°50	15°51	27°49	28°57	4°52	4°46
W22	6 1 43	0♌11'53	24°32	14°20	29°59	21°17	20°30	22°39	8°52	27°53	15°50	27°47	28°54	4°58	4°53
T 23	6 5 39	1°13'03	7♏32	14° 1	0♌ 5	21°57	20°32	22°40	8°55	27°55	15°48	27°44	28°51	5° 5	5° 0
F 24	6 9 36	2°14'14	20°17	13°D52	0°13	22°37	20°33	22°41	8°59	27°57	15°47	27°40	28°48	5°11	5° 7
S 25	6 13 32	3°15'25	2♌50	13°52	0°23	23°17	20°35	22°42	9° 2	28° 0	15°46	27°35	28°44	5°18	5°14
S 26	6 17 29	4°16'37	15°11	14° 2	0°36	23°58	20°37	22°43	9° 6	28° 2	15°45	27°31	28°41	5°25	5°21
M27	6 21 25	5°17'48	27°21	14°19	0°50	24°38	20°39	22°43	9° 9	28° 4	15°44	27°28	28°38	5°31	5°28
T 28	6 25 22	6°19'00	9♌23	14°45	1° 7	25°18	20°42	22°44	9°13	28° 6	15°43	27°26	28°35	5°38	5°35
W29	6 29 19	7°20'12	21°18	15°17	1°26	25°58	20°44	22°44	9°17	28° 9	15°42	27°24	28°32	5°45	5°41
T 30	6 33 15	8°21'23	3♏ 7	15°55	1°46	26°39	20°47	22°45	9°20	28°11	15°41	27°D24	28°29	5°51	5°48
F 31	6 37 12	9°22'35	14♏54	16°38	2♌ 9	27♌19	20°Y50	22°Y45	9°24	28°13	15°II40	27°35	28°35	5°58	5°55

Delta T = 40.46 sec.

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