

SWISS EPHEMERIS for the year 2237

JANUARY 2237

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	6 42 16	10 ³² 21'06	17 ³⁴ 14	3 ³³ 37	6 ³ 3	1 ¹¹ 12	19 ⁰ 47	4 ^R 6	18 ² 45	16 ^R 59	18 ¹¹ 1	12 ^R 25	11 ¹¹ 15	6 ⁴⁶ 46	26 ^R 58
M 2	6 46 12	11 ²² 22'14	1 ¹² 25	5 ¹¹	7 ¹⁹	1 ⁵⁹	19 ⁵⁰	4 ^{II} 3	18 ⁴⁹	16 ⁵⁵ 7	18 ²	12 ¹¹ 17	11 ¹²	6 ⁵³	26 ^{II} 54
T 3	6 50 9	12 ²³ 23'23	15 ³⁷	6 ⁴⁵	8 ³⁴	2 ⁴⁵	19 ⁵⁴	4 ⁰	18 ⁵²	16 ⁵⁵	18 ⁴	12 ¹¹	11 ⁹	7 ⁰	26 ⁵¹
W 4	6 54 5	13 ²⁴ 31	29 ⁴⁸	8 ²⁰	9 ⁵⁰	3 ³²	19 ⁵⁸	3 ⁵⁶	18 ⁵⁵	16 ⁵³	18 ⁶	12 ⁸	11 ⁵	7 ⁶	26 ⁴⁷
T 5	6 58 2	14 ²⁵ 40	13 ⁵⁶	9 ⁵⁴	11 ⁵	4 ¹⁸	20 ³	3 ⁵³	18 ⁵⁹	16 ⁵²	18 ⁷	12 ^D 8	11 ²	7 ¹³	26 ⁴⁴
F 6	7 1 59	15 ²⁶ 48	27 ⁵⁹	11 ³⁰	12 ²¹	5 ⁴	20 ⁷	3 ⁵⁰	19 ²	16 ⁵⁰	18 ⁹	12 ⁸	10 ⁵⁹	7 ²⁰	26 ⁴⁰
S 7	7 5 55	16 ²⁷ 56	11 ⁵⁷	13 ⁵	13 ³⁶	5 ⁵¹	20 ¹²	3 ⁴⁷	19 ⁶	16 ⁴⁸	18 ¹⁰	12 ^R 8	10 ⁵⁶	7 ²⁶	26 ³⁷
S 8	7 9 52	17 ²⁹ 04	25 ⁴⁹	14 ⁴¹	14 ⁵²	6 ³⁷	20 ¹⁷	3 ⁴⁴	19 ⁹	16 ⁴⁷	18 ¹²	12 ⁸	10 ⁵³	7 ³³	26 ³³
M 9	7 13 48	18 ³⁰ 11	9 ^{II} 34	16 ¹⁷	16 ⁷	7 ²³	20 ²²	3 ⁴²	19 ¹²	16 ⁴⁵	18 ¹³	12 ⁵	10 ⁵⁰	7 ⁴⁰	26 ³⁰
T 10	7 17 45	19 ³¹ 18	23 ¹²	17 ⁵⁴	17 ²³	8 ¹⁰	20 ²⁷	3 ³⁹	19 ¹⁶	16 ⁴³	18 ¹⁵	11 ⁵⁹	10 ⁴⁶	7 ⁴⁶	26 ²⁶
W 11	7 21 41	20 ³² 25	6 ³⁹	19 ³¹	18 ³⁸	8 ⁵⁶	20 ³²	3 ³⁶	19 ¹⁹	16 ⁴²	18 ¹⁶	11 ⁵⁰	10 ⁴³	7 ⁵³	26 ²³
T 12	7 25 38	21 ³³ 32	19 ⁵⁴	21 ⁸	19 ⁵⁴	9 ⁴²	20 ³⁸	3 ³⁴	19 ²²	16 ⁴⁰	18 ¹⁷	11 ³⁹	10 ⁴⁰	8 ⁰	26 ²⁰
F 13	7 29 34	22 ³⁴ 39	2 ^Ω 55	22 ⁴⁶	21 ⁹	10 ²⁹	20 ⁴⁴	3 ³²	19 ²⁵	16 ³⁸	18 ¹⁹	11 ²⁶	10 ³⁷	8 ⁶	26 ¹⁷
S 14	7 33 31	23 ³⁵ 45	15 ⁴¹	24 ²⁴	22 ²⁴	11 ¹⁵	20 ⁵⁰	3 ²⁹	19 ²⁹	16 ³⁶	18 ²⁰	11 ¹³	10 ³⁴	8 ¹³	26 ¹³
S 15	7 37 28	24 ³⁶ 52	28 ¹¹	26 ³	23 ⁴⁰	12 ¹	20 ⁵⁶	3 ²⁷	19 ³²	16 ³⁵	18 ²¹	11 ¹	10 ³⁰	8 ²⁰	26 ¹⁰
M 16	7 41 24	25 ³⁷ 58	10 ¹¹ 26	27 ⁴²	24 ⁵⁵	12 ⁴⁸	21 ²	3 ²⁵	19 ³⁵	16 ³³	18 ²³	10 ⁵¹	10 ²⁷	8 ²⁷	26 ⁷
T 17	7 45 21	26 ³⁹ 04	2 ²⁸	29 ²¹	26 ¹¹	13 ³⁴	21 ⁸	3 ²³	19 ³⁸	16 ³¹	18 ²⁴	10 ⁴³	10 ²⁴	8 ³³	26 ⁴
W 18	7 49 17	27 ⁴⁰ 09	4 ^Ω 21	1 ^Ω 1	27 ²⁶	14 ²⁰	21 ¹⁵	3 ²¹	19 ⁴¹	16 ³⁰	18 ²⁵	10 ³⁸	10 ²¹	8 ⁴⁰	26 ¹
T 19	7 53 14	28 ⁴¹ 15	16 ¹⁰	2 ⁴²	28 ⁴²	15 ⁶	21 ²²	3 ¹⁹	19 ⁴⁴	16 ²⁸	18 ²⁶	10 ³⁶	10 ¹⁸	8 ⁴⁶	25 ⁵⁸
F 20	7 57 10	29 ⁴² 21	27 ⁵⁸	4 ²³	29 ⁵⁷	15 ⁵³	21 ²⁹	3 ¹⁸	19 ⁴⁷	16 ²⁶	18 ²⁷	10 ^D 35	10 ¹⁵	8 ⁵³	25 ⁵⁵
S 21	8 1 7	0 ^Ω 43'26	9 ¹¹ 53	6 ⁴	1 ^Ω 13	16 ³⁹	21 ³⁶	3 ¹⁶	19 ⁵⁰	16 ²⁵	18 ²⁸	10 ^R 35	10 ¹¹	9 ⁰	25 ⁵²
S 22	8 5 3	1 ⁴⁴ 31	21 ⁵⁹	7 ⁴⁶	2 ²⁸	17 ²⁵	21 ⁴³	3 ¹⁵	19 ⁵³	16 ²³	18 ²⁹	10 ³⁵	10 ⁸	9 ⁶	25 ⁴⁹
M 23	8 9 0	2 ⁴⁵ 36	4 ⁹ 28	9 ²⁸	3 ⁴⁴	18 ¹¹	21 ⁵⁰	3 ¹⁴	19 ⁵⁶	16 ²²	18 ³⁰	10 ³³	10 ⁵	9 ¹³	25 ⁴⁶
T 24	8 12 57	3 ⁴⁶ 40	17 ⁷	11 ¹⁰	4 ⁵⁹	18 ⁵⁷	21 ⁵⁸	3 ¹²	19 ⁵⁹	16 ²⁰	18 ³¹	10 ²⁸	10 ²	9 ²⁰	25 ⁴⁴
W 25	8 16 53	4 ⁴⁷ 45	0 ³ 15	12 ⁵³	6 ¹⁴	19 ⁴³	22 ⁶	3 ¹¹	20 ²	16 ¹⁸	18 ³²	10 ²¹	9 ⁵⁹	9 ²⁶	25 ⁴¹
T 26	8 20 50	5 ⁴⁸ 48	13 ⁴⁹	14 ³⁶	7 ³⁰	20 ³⁰	22 ¹⁴	3 ¹⁰	20 ⁵	16 ¹⁷	18 ³³	10 ¹¹	9 ⁵⁶	9 ³³	25 ³⁸
F 27	8 24 46	6 ⁴⁹ 52	27 ⁴⁸	16 ¹⁹	8 ⁴⁵	21 ¹⁶	22 ²²	3 ⁹	20 ⁸	16 ¹⁵	18 ³⁴	9 ⁵⁹	9 ⁵²	9 ⁴⁰	25 ³⁶
S 28	8 28 43	7 ⁵⁰ 54	12 ^Ω 6	18 ³	10 ¹	22 ²	22 ³⁰	3 ⁹	20 ¹¹	16 ¹⁴	18 ³⁵	9 ⁴⁷	9 ⁴⁹	9 ⁴⁶	25 ³³
S 29	8 32 39	8 ⁵¹ 56	26 ³⁸	19 ⁴⁶	11 ¹⁶	22 ⁴⁸	22 ³⁸	3 ⁸	20 ¹³	16 ¹²	18 ³⁶	9 ³⁴	9 ⁴⁶	9 ⁵³	25 ³¹
M 30	8 36 36	9 ⁵² 56	11 ¹¹ 17	21 ²⁹	12 ³¹	23 ³⁴	22 ⁴⁷	3 ⁸	20 ¹⁶	16 ¹¹	18 ³⁷	9 ²⁴	9 ⁴³	10 ⁰	25 ²⁹
T 31	8 40 32	10 ^Ω 53'56	25 ¹¹ 54	23 ^Ω 11	13 ^Ω 47	24 ¹¹ 20	22 ⁵⁵ 55	3 ^{II} 7	20 ¹⁹	16 ⁵⁵ 9	18 ¹¹ 37	9 ¹¹ 16	9 ¹¹ 40	10 ^Ω 6	25 ^{II} 26

Delta T = 08m39s

FEBRUARY 2237

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	8 44 29	11 ^Ω 54'55	10 ¹¹ 25	24 ^Ω 53	15 ^Ω 2	25 ¹¹ 6	23 ¹¹ 4	3 ^R 7	20 ²¹	16 ^R 8	18 ¹¹ 38	9 ^R 12	9 ¹¹ 36	10 ^Ω 13	25 ^R 24
T 2	8 48 26	12 ⁵⁵ 52	24 ⁴⁵	26 ³⁴	16 ¹⁸	25 ⁵²	23 ¹³	3 ^{II} 7	20 ²⁴	16 ⁵⁵ 6	18 ³⁹	9 ¹¹ 10	9 ³³	10 ²⁰	25 ^{II} 22
F 3	8 52 22	13 ⁵⁶ 48	8 ³ 50	28 ¹⁴	17 ³³	26 ³⁸	23 ²²	3 ^D 7	20 ²⁶	16 ⁵	18 ³⁹	9 ⁹	9 ³⁰	10 ²⁶	25 ²⁰
S 4	8 56 19	14 ⁵⁷ 43	22 ⁴²	29 ⁵³	18 ⁴⁸	27 ²⁴	23 ³¹	3 ⁷	20 ²⁹	16 ³	18 ⁴⁰	9 ⁹	9 ²⁷	10 ³³	25 ¹⁸
S 5	9 0 15	15 ⁵⁸ 37	6 ^{II} 21	1 ¹¹ 30	20 ⁴	28 ¹⁰	23 ⁴⁰	3 ⁷	20 ³¹	16 ²	18 ⁴¹	9 ⁸	9 ²⁴	10 ⁴⁰	25 ¹⁶
M 6	9 4 12	16 ⁵⁹ 29	19 ⁴⁷	3 ⁵	21 ¹⁹	28 ⁵⁵	23 ⁵⁰	3 ⁷	20 ³⁴	16 ⁰	18 ⁴¹	9 ⁵	9 ²¹	10 ⁴⁶	25 ¹⁴
T 7	9 8 8	18 ⁰ 21	3 ⁵ 2	4 ³⁶	22 ³⁴	29 ⁴¹	23 ⁵⁹	3 ⁷	20 ³⁶	15 ⁵⁹	18 ⁴²	8 ⁵⁹	9 ¹⁷	10 ⁵³	25 ¹²
W 8	9 12 5	19 ¹ 10	16 ⁶	6 ⁵	23 ⁵⁰	0 ¹¹ 27	24 ⁹	3 ⁸	20 ³⁹	15 ⁵⁸	18 ⁴²	8 ⁴⁹	9 ¹⁴	11 ⁰	25 ¹¹
T 9	9 16 2	20 ¹ 59	28 ⁵⁸	7 ³⁰	25 ⁵	1 ¹³	24 ¹⁹	3 ⁹	20 ⁴¹	15 ⁵⁶	18 ⁴²	8 ³⁷	9 ¹¹	11 ⁶	25 ⁹
F 10	9 19 58	21 ² 46	11 ^Ω 40	8 ⁵⁰	26 ²⁰	1 ⁵⁹	24 ²⁹	3 ⁹	20 ⁴³	15 ⁵⁵	18 ⁴³	8 ²⁴	9 ⁸	11 ¹³	25 ⁷
S 11	9 23 55	22 ³ 32	24 ¹⁰	10 ⁵	27 ³⁵	2 ⁴⁴	24 ³⁹	3 ¹⁰	20 ⁴⁵	15 ⁵⁴	18 ⁴³	8 ¹⁰	9 ⁵	11 ²⁰	25 ⁶
S 12	9 27 51	23 ⁴ 17	6 ¹¹ 28	11 ¹⁴	28 ⁵¹	3 ³⁰	24 ⁴⁹	3 ¹¹	20 ⁴⁸	15 ⁵²	18 ⁴³	7 ⁵⁷	9 ¹	11 ²⁶	25 ⁴
M 13	9 31 48	24 ⁵ 00	18 ³⁵	12 ¹⁶	0 ¹¹ 6	4 ¹⁶	24 ⁵⁹	3 ¹²	20 ⁵⁰	15 ⁵¹	18 ⁴⁴	7 ⁴⁶	8 ⁵⁸	11 ³³	25 ³
T 14	9 35 44	25 ⁵ 43	0 ^Ω 33	13 ¹¹	1 ²¹	5 ¹	25 ⁹	3 ¹³	20 ⁵²	15 ⁵⁰	18 ⁴⁴	7 ³⁷	8 ⁵⁵	11 ⁴⁰	25 ²
W 15	9 39 41	26 ⁶ 24	12 ²⁴	13 ⁵⁸	2 ³⁶	5 ⁴⁷	25 ²⁰	3 ¹⁵	20 ⁵⁴	15 ⁴⁹	18 ⁴⁴	7 ³²	8 ⁵²	11 ⁴⁶	25 ⁰
T 16	9 43 37	27 ⁷ 04	24 ¹²	14 ³⁵	3 ⁵¹	6 ³²	25 ³¹	3 ¹⁶	20 ⁵⁶	15 ⁴⁷	18 ⁴⁴	7 ²⁹	8 ⁴⁹	11 ⁵³	24 ⁵⁹
F 17	9 47 34	28 ⁷ 43	5 ¹¹ 59	15 ⁴	5 ⁶	7 ¹⁸	25 ⁴¹	3 ¹⁷	20 ⁵⁸	15 ⁴⁶	18 ⁴⁴	7 ^D 28	8 ⁴⁶	12 ⁰	24 ⁵⁸
S 18	9 51 30	29 ⁸ 21	17 ⁵³	15 ²²	6 ²²	8 ³	25 ⁵²	3 ¹⁹	21 ⁰	15 ⁴⁵	18 ⁴⁵	7 ²⁸	8 ⁴²	12 ⁶	24 ⁵⁷
S 19	9 55 27	0 ¹¹ 8'58	29 ⁵⁷	15 ^R 30	7 ³⁷	8 ⁴⁹	26 ³	3 ²¹	21 ²	15 ⁴⁴	18 ⁴⁵	7 ^R 28	8 ³⁹	12 ¹³	24 ⁵⁶
M 20	9 59 24	1 ⁹ 34	12 ¹⁷	15 ²⁷	8 ⁵²	9 ³⁴	26 ¹⁴	3 ²³	21 ³	15 ⁴³	18 ^R 45	7 ²⁸	8 ³⁶	12 ²⁰	24 ⁵⁶
T 21	10 3 20	2 ¹⁰ 08	24 ⁵⁸	15 ¹⁴	10 ⁷	10 ¹⁹	26 ²⁵	3 ²⁵	21 ⁵	15 ⁴²	18 ⁴⁵	7 ²⁵	8 ³³	12 ²⁶	24 ⁵⁵
W 22	10 7 17	3 ¹⁰ 42	8 ³ 6	14 ⁵¹	11 ²²	11 ⁵	26 ³⁶	3 ²⁷	21 ⁷	15 ⁴¹	18 ⁴⁵	7 ²⁰	8 ³⁰	12 ³³	24 ⁵⁴
T 23	10 11 13	4 ¹¹ 14	21 ⁴¹	14 ¹⁹	12 ³⁷	11 ⁵⁰									

SWISS EPHEMERIS for the year 2237

MARCH 2237

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	10 34 53	10♈13'54	20♏2	8°R44	20♈7	16♏21	27♏58	3♐44	21♏18	15°R34	18°R43	6°R27	8♏7	13♏20	24°R52								
T 2	10 38 49	11°14'15	4♏42	7♏39	21°22	17° 6	28°10	3°47	21°19	15♏33	18♏43	6°D25	8° 4	13°26	24°D52								
F 3	10 42 46	12°14'34	19° 3	6°35	22°37	17°51	28°22	3°50	21°20	15°33	18°42	6♏26	8° 1	13°33	24♐52								
S 4	10 46 42	13°14'51	3♐4	5°34	23°52	18°36	28°34	3°53	21°21	15°32	18°42	6°27	7°58	13°40	24°52								
S 5	10 50 39	14°15'06	16°43	4°38	25° 7	19°21	28°46	3°56	21°23	15°31	18°42	6°R27	7°55	13°46	24°52								
M 6	10 54 35	15°15'19	0♏3	3°47	26°22	20° 6	28°59	3°59	21°24	15°30	18°41	6°26	7°52	13°53	24°53								
T 7	10 58 32	16°15'29	13° 6	3° 1	27°37	20°51	29°11	4° 3	21°25	15°30	18°41	6°23	7°48	14° 0	24°53								
W 8	11 2 28	17°15'38	25°54	2°22	28°51	21°35	29°23	4° 6	21°26	15°29	18°40	6°17	7°45	14° 6	24°54								
T 9	11 6 25	18°15'45	8♏30	1°49	0♏6	22°20	29°36	4°10	21°27	15°28	18°40	6°10	7°42	14°13	24°54								
F 10	11 10 22	19°15'49	20°53	1°23	1°21	23° 5	29°48	4°14	21°28	15°28	18°39	6° 1	7°39	14°20	24°55								
S 11	11 14 18	20°15'52	3♐8	1° 5	2°36	23°49	0♏1	4°17	21°29	15°27	18°38	5°52	7°36	14°26	24°56								
S 12	11 18 15	21°15'53	15°13	0°53	3°50	24°34	0°14	4°21	21°29	15°27	18°38	5°44	7°33	14°33	24°56								
M13	11 22 11	22°15'51	27°11	0°D47	5° 5	25°19	0°27	4°25	21°30	15°26	18°37	5°36	7°29	14°40	24°57								
T 14	11 26 8	23°15'48	9♏4	0°48	6°20	26° 3	0°40	4°29	21°31	15°26	18°36	5°31	7°26	14°46	24°58								
W15	11 30 4	24°15'43	20°52	0°55	7°34	26°47	0°52	4°33	21°31	15°25	18°35	5°28	7°23	14°53	24°59								
T 16	11 34 1	25°15'37	2♐40	1° 8	8°49	27°32	1° 5	4°38	21°32	15°25	18°35	5°D27	7°20	14°59	25° 0								
F 17	11 37 57	26°15'28	14°29	1°27	10° 4	28°16	1°19	4°42	21°33	15°25	18°34	5°27	7°17	15° 6	25° 2								
S 18	11 41 54	27°15'18	26°23	1°50	11°18	29° 1	1°32	4°46	21°33	15°24	18°33	5°28	7°13	15°13	25° 3								
S 19	11 45 50	28°15'07	8♏27	2°18	12°33	29°45	1°45	4°51	21°33	15°24	18°32	5°30	7°10	15°19	25° 4								
M20	11 49 47	29°14'53	20°46	2°51	13°47	0♏29	1°58	4°55	21°34	15°24	18°31	5°31	7° 7	15°26	25° 6								
T 21	11 53 44	0♏4'38	3♏24	3°29	15° 2	1°13	2°11	5° 0	21°34	15°24	18°30	5°R32	7° 4	15°33	25° 7								
W22	11 57 40	1°14'21	16°26	4°10	16°16	1°57	2°25	5° 5	21°34	15°24	18°29	5°31	7° 1	15°39	25° 9								
T 23	12 1 37	2°14'03	29°55	4°55	17°30	2°42	2°38	5°10	21°35	15°23	18°28	5°28	6°58	15°46	25°10								
F 24	12 5 33	3°13'43	13♏53	5°43	18°45	3°26	2°52	5°15	21°35	15°23	18°27	5°24	6°54	15°53	25°12								
S 25	12 9 30	4°13'21	28°18	6°35	19°59	4°10	3° 5	5°20	21°35	15°23	18°26	5°20	6°51	15°59	25°14								
S 26	12 13 26	5°12'57	13♏7	7°30	21°14	4°54	3°19	5°25	21°35	15°23	18°25	5°15	6°48	16° 6	25°16								
M27	12 17 23	6°12'31	28°13	8°28	22°28	5°38	3°32	5°30	21°R35	15°D23	18°24	5°11	6°45	16°13	25°18								
T 28	12 21 19	7°12'04	13♏26	9°28	23°42	6°21	3°46	5°35	21°35	15°23	18°23	5° 8	6°42	16°19	25°20								
W29	12 25 16	8°11'34	28°37	10°31	24°56	7° 5	3°59	5°40	21°35	15°23	18°22	5°D 7	6°38	16°26	25°22								
T 30	12 29 13	9°11'02	13♏35	11°37	26°11	7°49	4°13	5°46	21°35	15°23	18°21	5° 7	6°35	16°33	25°24								
F 31	12 33 9	10♏10'28	28♏15	12♏45	27♏25	8♏33	4♏27	5♐51	21♏34	15♏23	18♏19	5♏8	6♏32	16♏39	25♐26								

Delta T = 08m39s

APRIL 2237

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S 1	12 37 6	11♏9'52	12♐30	13♏55	28♏39	9♏17	4♏41	5♐57	21°R34	15♏24	18°R18	5♏10	6♏29	16♏46	25♐29								
S 2	12 41 2	12° 9'14	26°21	15° 8	29°53	10° 0	4°55	6° 2	21°R34	15°24	18♏17	5°11	6°26	16°53	25°31								
M 3	12 44 59	13° 8'33	9♏46	16°22	1♏7	10°44	5° 8	6° 8	21°34	15°24	18°16	5°R12	6°23	16°59	25°34								
T 4	12 48 55	14° 7'50	22°49	17°38	2°21	11°27	5°22	6°14	21°33	15°24	18°14	5°12	6°19	17° 6	25°36								
W 5	12 52 52	15° 7'04	5♏32	18°57	3°35	12°11	5°36	6°20	21°33	15°25	18°13	5°10	6°16	17°13	25°39								
T 6	12 56 48	16° 6'17	17°58	20°17	4°49	12°54	5°50	6°25	21°32	15°25	18°12	5° 8	6°13	17°19	25°42								
F 7	13 0 45	17° 5'26	0♐11	21°39	6° 3	13°38	6° 4	6°31	21°32	15°25	18°10	5° 6	6°10	17°26	25°44								
S 8	13 4 42	18° 4'34	12°14	23° 2	7°17	14°21	6°18	6°37	21°31	15°26	18° 9	5° 3	6° 7	17°33	25°47								
S 9	13 8 38	19° 3'40	24°10	24°28	8°31	15° 4	6°32	6°43	21°30	15°26	18° 7	5° 0	6° 4	17°39	25°50								
M10	13 12 35	20° 2'43	6♏1	25°55	9°45	15°48	6°46	6°50	21°30	15°27	18° 6	4°58	6° 0	17°46	25°53								
T 11	13 16 31	21° 1'44	17°50	27°23	10°59	16°31	7° 1	6°56	21°29	15°27	18° 5	4°57	5°57	17°52	25°56								
W12	13 20 28	22° 0'44	29°38	28°54	12°13	17°14	7°15	7° 2	21°28	15°28	18° 3	4°D56	5°54	17°59	25°59								
T 13	13 24 24	22°59'41	11♏28	0♏25	13°26	17°57	7°29	7° 8	21°27	15°28	18° 2	4°56	5°51	18° 6	26° 2								
F 14	13 28 21	23°58'36	23°22	1°59	14°40	18°40	7°43	7°15	21°26	15°29	18° 0	4°57	5°48	18°12	26° 5								
S 15	13 32 17	24°57'30	5♏23	3°34	15°54	19°23	7°57	7°21	21°25	15°29	17°59	4°58	5°44	18°19	26° 9								
S 16	13 36 14	25°56'22	17°34	5°11	17° 7	20° 6	8°11	7°27	21°24	15°30	17°57	4°59	5°41	18°26	26°12								
M17	13 40 11	26°55'12	29°57	6°49	18°21	20°49	8°26	7°34	21°23	15°31	17°56	4°59	5°38	18°32	26°15								
T 18	13 44 7	27°54'00	12♏37	8°28	19°35	21°32	8°40	7°41	21°22	15°32	17°54	5° 0	5°35	18°39	26°19								
W19	13 48 4	28°52'47	25°37	10°10	20°48	22°15	8°54	7°47	21°21	15°32	17°52	5°R 0	5°32	18°46	26°22								
T 20	13 52 0	29°51'32	8♏59	11°53	22° 2	22°58	9° 8	7°54	21°20	15°33	17°51	5° 0	5°29	18°52	26°26								
F 21	13 55 57	0♏50'15	22°46	13°37	23°15	23°40	9°23	8° 1	21°19	15°34	17°49	5° 0	5°25	18°59	26°30								
S 22	13 59 53	1°48'57	6♏59	15°23	24°28	24°23	9°37	8° 7	21°17	15°35	17°48	5° 0	5°22	19° 6	26°33								
S 23	14 3 50	2°47'37	21°34	17°11	25°42	25° 6	9°51	8°14	21°16	15°36	17°46	4°59	5°19	19°12	26°37								
M24	14 7 46	3°46'15	6♏28	19° 0	26°55	25°48	10° 6	8°21	21°15	15°37	17°44	4°59	5°16	19°19	26°41								
T 25	14 11 43	4°44'51	21°35	20°51	28° 9	26°31	10°20	8°28	21°13	15°38	17°43	4°D59	5°13	19°26	26°45								
W26	14 15 39	5°43'26	6♏44	22°44	29°22	27°14	10°34	8°35	21°12	15°39	17°41	4°R59	5° 9	19°32	26°49								
T 27	14 19 36	6°41'59	21°48	24°38	0♐35	27°56	10°49	8°42	21°10	15°40	17°40	4°59	5° 6	19°39	26°53								
F 28	14 23 33	7°40'29	6♐36	26°34	1°48	28°38	11° 3	8°49	21° 9	15°41	17°38	4°59	5° 3	19°46	26°57								
S 29	14 27 29	8°38'58	21° 4	28°31	3° 1	29°21	11°18	8°56	21° 7	15°42	17°36	4°59	5° 0	19°52	27° 1								
S 30	14 31 26	9♏37'25	5♏6	0♏30	4♐15	0♐3	11♏32	9♐3	21♏6	15♏43	17♏35	4♏58	4♏57	19♏59	27♐5								

Delta T = 08m39s

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SWISS EPHEMERIS for the year 2237

MAY 2237

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	14 35 22	10♁35'50	18♁41	2♁31	5♁28	0♁46	11♁46	9♁10	21°R 4	15♁44	17°R33	4°R58	4♁54	20♁5	27♁9								
T 2	14 39 19	11°34'12	1♁49	4°33	6°41	1°28	12°1	9°18	21♁2	15°45	17♁31	4♁57	4°50	20°12	27°13								
W 3	14 43 15	12°32'33	14°34	6°36	7°54	2°10	12°15	9°25	21°0	15°46	17°30	4°D57	4°47	20°19	27°18								
T 4	14 47 12	13°30'51	27°0	8°41	9°7	2°52	12°29	9°32	20°59	15°47	17°28	4°57	4°44	20°25	27°22								
F 5	14 51 8	14°29'08	9♁9	10°47	10°20	3°34	12°44	9°39	20°57	15°49	17°26	4°58	4°41	20°32	27°26								
S 6	14 55 5	15°27'22	21°7	12°55	11°33	4°16	12°58	9°47	20°55	15°50	17°24	4°59	4°38	20°39	27°31								
S 7	14 59 2	16°25'34	2♁59	15°3	12°45	4°58	13°12	9°54	20°53	15°51	17°23	5°0	4°35	20°45	27°35								
M 8	15 2 58	17°23'45	14°46	17°12	13°58	5°40	13°27	10°1	20°51	15°53	17°21	5°1	4°31	20°52	27°40								
T 9	15 6 55	18°21'53	26°34	19°22	15°11	6°22	13°41	10°9	20°49	15°54	17°19	5°2	4°28	20°59	27°44								
W10	15 10 51	19°20'00	8♁25	21°32	16°24	7°4	13°55	10°16	20°47	15°55	17°18	5°R 2	4°25	21°5	27°49								
T 11	15 14 48	20°18'05	20°21	23°42	17°36	7°46	14°10	10°24	20°45	15°57	17°16	5°1	4°22	21°12	27°53								
F 12	15 18 44	21°16'09	2♁24	25°52	18°49	8°28	14°24	10°31	20°43	15°58	17°14	5°0	4°19	21°19	27°58								
S 13	15 22 41	22°14'11	14°37	28°1	20°1	9°9	14°38	10°39	20°41	16°0	17°13	4°58	4°15	21°25	28°3								
S 14	15 26 37	23°12'11	27°1	0♁10	21°14	9°51	14°53	10°46	20°39	16°1	17°11	4°55	4°12	21°32	28°7								
M15	15 30 34	24°10'10	9♁37	2°18	22°26	10°33	15°7	10°54	20°37	16°3	17°9	4°52	4°9	21°39	28°12								
T 16	15 34 31	25°8'08	22°27	4°25	23°39	11°14	15°21	11°2	20°35	16°4	17°8	4°50	4°6	21°45	28°17								
W17	15 38 27	26°6'04	5♁33	6°30	24°51	11°56	15°35	11°9	20°33	16°6	17°6	4°48	4°3	21°52	28°22								
T 18	15 42 24	27°3'59	18°56	8°33	26°3	12°37	15°49	11°17	20°31	16°7	17°4	4°47	4°0	21°58	28°27								
F 19	15 46 20	28°1'53	2♁37	10°34	27°16	13°19	16°4	11°24	20°28	16°9	17°3	4°D46	3°56	22°5	28°32								
S 20	15 50 17	28°59'46	16°38	12°33	28°28	14°0	16°18	11°32	20°26	16°10	17°1	4°47	3°53	22°12	28°36								
S 21	15 54 13	29°57'37	0♁56	14°30	29°40	14°42	16°32	11°40	20°24	16°12	16°59	4°49	3°50	22°18	28°41								
M22	15 58 10	0♁55'28	15°31	16°24	0♁52	15°23	16°46	11°48	20°22	16°14	16°58	4°50	3°47	22°25	28°46								
T 23	16 2 6	1°53'17	0♁18	18°15	2°4	16°4	17°0	11°55	20°19	16°15	16°56	4°R51	3°44	22°32	28°51								
W24	16 6 3	2°51'05	15°11	20°3	3°16	16°46	17°14	12°3	20°17	16°17	16°54	4°50	3°41	22°38	28°57								
T 25	16 10 0	3°48'51	0♁3	21°49	4°28	17°27	17°28	12°11	20°15	16°19	16°53	4°49	3°37	22°45	29°2								
F 26	16 13 56	4°46'37	14°46	23°31	5°40	18°8	17°42	12°19	20°12	16°21	16°51	4°46	3°34	22°52	29°7								
S 27	16 17 53	5°44'21	29°13	25°10	6°52	18°49	17°56	12°26	20°10	16°22	16°50	4°42	3°31	22°58	29°12								
S 28	16 21 49	6°42'04	13♁18	26°46	8°4	19°30	18°10	12°34	20°8	16°24	16°48	4°37	3°28	23°5	29°17								
M29	16 25 46	7°39'45	26°57	28°19	9°16	20°11	18°24	12°42	20°5	16°26	16°47	4°32	3°25	23°12	29°22								
T 30	16 29 42	8°37'25	10♁11	29°49	10°27	20°52	18°38	12°50	20°3	16°28	16°45	4°28	3°21	23°18	29°28								
W31	16 33 39	9♁35'03	23♁0	1♁16	11♁39	21♁33	18♁52	12♁57	20♁1	16♁30	16♁44	4♁25	3♁18	23♁25	29♁33								

Delta T = 08m39s

JUNE 2237

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	16 37 35	10♁32'40	5♁28	2♁39	12♁51	22♁14	19♁6	13♁5	19°R58	16♁32	16°R42	4°D24	3♁15	23♁32	29♁38								
F 2	16 41 32	11°30'15	17°38	3°59	14°2	22°55	19°20	13°13	19♁56	16°33	16♁40	4♁24	3°12	23°38	29°43								
S 3	16 45 29	12°27'49	29°35	5°15	15°14	23°36	19°33	13°21	19°53	16°35	16°39	4°25	3°9	23°45	29°49								
S 4	16 49 25	13°25'22	11♁25	6°28	16°25	24°17	19°47	13°29	19°51	16°37	16°38	4°27	3°6	23°51	29°54								
M 5	16 53 22	14°22'53	23°13	7°38	17°36	24°58	20°1	13°36	19°48	16°39	16°36	4°28	3°2	23°58	29°59								
T 6	16 57 18	15°20'23	5♁2	8°44	18°48	25°38	20°14	13°44	19°46	16°41	16°35	4°R29	2°59	24°5	0♁5								
W 7	17 1 15	16°17'52	16°57	9°46	19°59	26°19	20°28	13°52	19°43	16°43	16°33	4°28	2°56	24°11	0°10								
T 8	17 5 11	17°15'19	29°1	10°45	21°10	27°0	20°42	14°0	19°41	16°45	16°32	4°25	2°53	24°18	0°16								
F 9	17 9 8	18°12'46	11♁17	11°40	22°21	27°40	20°55	14°8	19°38	16°47	16°30	4°21	2°50	24°25	0°21								
S 10	17 13 4	19°10'12	23°45	12°31	23°32	28°21	21°8	14°15	19°36	16°49	16°29	4°14	2°47	24°31	0°26								
S 11	17 17 1	20°7'37	6♁27	13°18	24°43	29°1	21°22	14°23	19°33	16°51	16°28	4°7	2°43	24°38	0°32								
M12	17 20 58	21°5'01	19°22	14°1	25°54	29°42	21°35	14°31	19°31	16°53	16°26	3°59	2°40	24°45	0°37								
T 13	17 24 54	22°2'24	2♁31	14°40	27°5	0♁22	21°49	14°39	19°29	16°55	16°25	3°51	2°37	24°51	0°43								
W14	17 28 51	22°59'47	15°52	15°15	28°16	1°3	22°2	14°46	19°26	16°57	16°24	3°45	2°34	24°58	0°48								
T 15	17 32 47	23°57'09	29°26	15°46	29°26	1°43	22°15	14°54	19°24	16°59	16°23	3°40	2°31	25°5	0°54								
F 16	17 36 44	24°54'31	13♁11	16°12	0♁37	2°23	22°28	15°2	19°21	17°1	16°21	3°38	2°27	25°11	0°59								
S 17	17 40 40	25°51'52	27°8	16°34	1°48	3°4	22°41	15°10	19°19	17°4	16°20	3°D37	2°24	25°18	1°5								
S 18	17 44 37	26°49'13	11♁15	16°51	2°58	3°44	22°54	15°17	19°16	17°6	16°19	3°38	2°21	25°25	1°10								
M19	17 48 33	27°46'33	25°32	17°4	4°8	4°24	23°7	15°25	19°14	17°8	16°18	3°38	2°18	25°31	1°16								
T 20	17 52 30	28°43'53	9♁57	17°13	5°19	5°4	23°20	15°33	19°11	17°10	16°17	3°R39	2°15	25°38	1°21								
W21	17 56 27	29°41'13	24°27	17°R16	6°29	5°45	23°33	15°40	19°9	17°12	16°16	3°37	2°12	25°44	1°27								
T 22	18 0 23	0♁38'32	8♁56	17°16	7°39	6°25	23°46	15°48	19°7	17°14	16°15	3°33	2°8	25°51	1°32								
F 23	18 4 20	1°35'51	23°20	17°10	8°49	7°5	23°59	15°56	19°4	17°16	16°13	3°26	2°5	25°58	1°38								
S 24	18 8 16	2°33'10	7♁32	17°1	9°59	7°45	24°11	16°3	19°2	17°19	16°12	3°18	2°2	26°4	1°43								
S 25	18 12 13	3°30'28	21°28	16°47	11°9	8°25	24°24	16°11	18°59	17°21	16°11	3°8	1°59	26°11	1°49								
M26	18 16 9	4°27'45	5♁3	16°29	12°19	9°5	24°37	16°18	18°57	17°23	16°10	2°59	1°56	26°18	1°54								
T 27	18 20 6	5°25'02	18°14	16°8	13°29	9°45	24°49	16°26	18°55	17°25	16°10	2°50	1°53	26°24	2°0								
W28	18 24 3	6°22'18	1♁3	15°43	14°38	10°25	25°2	16°33	18°52	17°27	16°9	2°43	1°49	26°31	2°6								
T 29	18 27 59	7°19'34	13°31	15°15	15°48	11°5	25°14	16°41	18°50	17°29	16°8	2°38	1°46	26°38	2°11								
F 30	18 31 56	8♁16'49	25♁42	14♁44	16♁57	11♁44	25♁26	16♁48	18♁48	17♁32	16♁7	2♁35	1♁43	26♁44	2♁17								

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SWISS EPHEMERIS for the year 2237

JULY 2237

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	18 35 52	9 ^h 14'03"	7 ^h 40'	14°R11	18 ^h 7'	12 ^h 24'	25 ^h 38'	16 ^h 56'	18°R45	17 ^h 34'	16°R 6	2°D34	1 ^h 40'	26 ^h 51'	2 ^h 22'
S 2	18 39 49	10°11'17"	19°30'	13 ^h 37'	19°16'	13° 4'	25°51'	17° 3'	18 ^h 43'	17°36'	16 ^h 5'	2 ^h 35'	1°37'	26°58'	2°28'
M 3	18 43 45	11° 8'30"	1 ^h 19'	13° 1'	20°25'	13°44'	26° 3'	17°11'	18°41'	17°38'	16° 4'	2°R35	1°33'	27° 4'	2°33'
T 4	18 47 42	12° 5'43"	13°10'	12°25'	21°34'	14°24'	26°15'	17°18'	18°39'	17°41'	16° 4'	2°35'	1°30'	27°11'	2°39'
W 5	18 51 38	13° 2'56"	25° 9'	11°49'	22°43'	15° 3'	26°26'	17°25'	18°37'	17°43'	16° 3'	2°32'	1°27'	27°18'	2°44'
T 6	18 55 35	14° 0'08"	7 ^h 21'	11°14'	23°52'	15°43'	26°38'	17°33'	18°34'	17°45'	16° 2'	2°28'	1°24'	27°24'	2°50'
F 7	18 59 32	14°57'20"	19°48'	10°41'	25° 1'	16°23'	26°50'	17°40'	18°32'	17°47'	16° 2'	2°21'	1°21'	27°31'	2°55'
S 8	19 3 28	15°54'32"	2 ^h 31'	10° 9'	26°10'	17° 2'	27° 2'	17°47'	18°30'	17°49'	16° 1'	2°11'	1°18'	27°37'	3° 1'
S 9	19 7 25	16°51'44"	15°32'	9°40'	27°18'	17°42'	27°13'	17°54'	18°28'	17°52'	16° 0'	2° 0'	1°14'	27°44'	3° 6'
M10	19 11 21	17°48'56"	28°50'	9°14'	28°27'	18°21'	27°25'	18° 1'	18°26'	17°54'	16° 0'	1°48'	1°11'	27°51'	3°11'
T 11	19 15 18	18°46'08"	12 ^h 23'	8°51'	29°35'	19° 1'	27°36'	18° 8'	18°24'	17°56'	15°59'	1°37'	1° 8'	27°57'	3°17'
W12	19 19 14	19°43'20"	26° 7'	8°32'	0 ^h 43'	19°40'	27°47'	18°15'	18°22'	17°58'	15°59'	1°27'	1° 5'	28° 4'	3°22'
T 13	19 23 11	20°40'32"	10 ^h 0'	8°18'	1°51'	20°20'	27°59'	18°23'	18°20'	18° 1'	15°58'	1°20'	1° 2'	28°11'	3°28'
F 14	19 27 7	21°37'44"	23°59'	8° 8'	2°59'	20°59'	28°10'	18°30'	18°18'	18° 3'	15°58'	1°15'	0°59'	28°17'	3°33'
S 15	19 31 4	22°34'57"	8 ^h 3'	8°D 4'	4° 7'	21°38'	28°21'	18°36'	18°16'	18° 5'	15°57'	1°13'	0°55'	28°24'	3°38'
S 16	19 35 1	23°32'11"	22° 9'	8° 4'	5°14'	22°18'	28°32'	18°43'	18°14'	18° 7'	15°57'	1°13'	0°52'	28°31'	3°44'
M17	19 38 57	24°29'25"	6 ^h 17'	8° 9'	6°22'	22°57'	28°43'	18°50'	18°12'	18° 9'	15°57'	1°13'	0°49'	28°37'	3°49'
T 18	19 42 54	25°26'39"	20°26'	8°20'	7°29'	23°36'	28°53'	18°57'	18°11'	18°12'	15°56'	1°12'	0°46'	28°44'	3°54'
W19	19 46 50	26°23'54"	4 ^h 34'	8°36'	8°37'	24°16'	29° 4'	19° 4'	18° 9'	18°14'	15°56'	1° 9'	0°43'	28°51'	4° 0'
T 20	19 50 47	27°21'10"	18°39'	8°58'	9°44'	24°55'	29°15'	19°11'	18° 7'	18°16'	15°56'	1° 4'	0°39'	28°57'	4° 5'
F 21	19 54 43	28°18'26"	2 ^h 38'	9°25'	10°51'	25°34'	29°25'	19°17'	18° 5'	18°18'	15°56'	0°56'	0°36'	29° 4'	4°10'
S 22	19 58 40	29°15'43"	16°27'	9°57'	11°58'	26°13'	29°35'	19°24'	18° 4'	18°21'	15°55'	0°45'	0°33'	29°10'	4°15'
S 23	20 2 36	0 ^h 13'00"	0 ^h 3'	10°35'	13° 4'	26°52'	29°46'	19°30'	18° 2'	18°23'	15°55'	0°33'	0°30'	29°17'	4°21'
M24	20 6 33	1°10'18"	13°22'	11°18'	14°11'	27°32'	29°56'	19°37'	18° 1'	18°25'	15°55'	0°20'	0°27'	29°24'	4°26'
T 25	20 10 30	2° 7'36"	26°23'	12° 7'	15°17'	28°11'	0 ^h 6'	19°43'	17°59'	18°27'	15°55'	0° 9'	0°24'	29°30'	4°31'
W26	20 14 26	3° 4'54"	9 ^h 5'	13° 1'	16°24'	28°50'	0°16'	19°50'	17°57'	18°29'	15°55'	29 ^h 59'	0°20'	29°37'	4°36'
T 27	20 18 23	4° 2'13"	21°29'	14° 0'	17°30'	29°29'	0°25'	19°56'	17°56'	18°31'	15°D55'	29°52'	0°17'	29°44'	4°41'
F 28	20 22 19	4°59'32"	3 ^h 38'	15° 5'	18°36'	0 ^h 8'	0°35'	20° 3'	17°55'	18°34'	15°55'	29°48'	0°14'	29°50'	4°46'
S 29	20 26 16	5°56'52"	15°34'	16°14'	19°41'	0°47'	0°45'	20° 9'	17°53'	18°36'	15°55'	29°46'	0°11'	29°57'	4°51'
S 30	20 30 12	6°54'11"	27°24'	17°29'	20°47'	1°26'	0°54'	20°15'	17°52'	18°38'	15°55'	29°D45'	0° 8'	0 ^h 4'	4°56'
M31	20 34 9	7 ^h 51'32"	9 ^h 13'	18 ^h 48'	21 ^h 52'	2 ^h 5'	1 ^h 3'	20 ^h 21'	17 ^h 51'	18 ^h 40'	15 ^h 55'	29°R45'	0 ^h 5'	0 ^h 10'	5 ^h 1'

Delta T = 08m40s

AUGUST 2237

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	20 38 5	8 ^h 48'52"	21 ^h 5'	20 ^h 12'	22 ^h 57'	2 ^h 44'	1 ^h 13'	20 ^h 27'	17°R49	18 ^h 42'	15 ^h 56'	29°R45'	0 ^h 1'	0 ^h 17'	5 ^h 6'
W 2	20 42 2	9°46'13"	3 ^h 6'	21°41'	24° 2'	3°23'	1°22'	20°33'	17 ^h 48'	18°44'	15°56'	29 ^h 43'	29 ^h 58'	0°24'	5°11'
T 3	20 45 59	10°43'35"	15°22'	23°14'	25° 7'	4° 1'	1°31'	20°39'	17°47'	18°46'	15°56'	29°39'	29°55'	0°30'	5°16'
F 4	20 49 55	11°40'57"	27°55'	24°51'	26°12'	4°40'	1°40'	20°45'	17°46'	18°48'	15°56'	29°32'	29°52'	0°37'	5°21'
S 5	20 53 52	12°38'20"	10 ^h 50'	26°32'	27°16'	5°19'	1°48'	20°51'	17°45'	18°51'	15°57'	29°23'	29°49'	0°44'	5°25'
S 6	20 57 48	13°35'44"	24° 6'	28°17'	28°20'	5°58'	1°57'	20°57'	17°44'	18°53'	15°57'	29°12'	29°45'	0°50'	5°30'
M 7	21 1 45	14°33'08"	7 ^h 44'	0 ^h 5'	29°24'	6°37'	2° 5'	21° 2'	17°43'	18°55'	15°57'	29° 1'	29°42'	0°57'	5°35'
T 8	21 5 41	15°30'33"	21°39'	1°56'	0 ^h 28'	7°15'	2°14'	21° 8'	17°42'	18°57'	15°58'	28°50'	29°39'	1° 3'	5°40'
W 9	21 9 38	16°27'59"	5 ^h 49'	3°50'	1°31'	7°54'	2°22'	21°14'	17°41'	18°59'	15°58'	28°41'	29°36'	1°10'	5°44'
T 10	21 13 34	17°25'26"	20° 7'	5°46'	2°34'	8°33'	2°30'	21°19'	17°40'	19° 1'	15°59'	28°33'	29°33'	1°17'	5°49'
F 11	21 17 31	18°22'54"	4 ^h 29'	7°45'	3°37'	9°11'	2°38'	21°24'	17°39'	19° 3'	15°59'	28°29'	29°30'	1°23'	5°53'
S 12	21 21 28	19°20'24"	18°50'	9°45'	4°40'	9°50'	2°45'	21°30'	17°38'	19° 5'	16° 0'	28°27'	29°26'	1°30'	5°58'
S 13	21 25 24	20°17'55"	3 ^h 6'	11°46'	5°42'	10°29'	2°53'	21°35'	17°38'	19° 7'	16° 0'	28°D27'	29°23'	1°37'	6° 2'
M14	21 29 21	21°15'27"	17°16'	13°49'	6°44'	11° 7'	3° 1'	21°40'	17°37'	19° 9'	16° 1'	28°R27'	29°20'	1°43'	6° 7'
T 15	21 33 17	22°13'00"	1 ^h 19'	15°52'	7°46'	11°46'	3° 8'	21°45'	17°36'	19°11'	16° 1'	28°27'	29°17'	1°50'	6°11'
W16	21 37 14	23°10'35"	15°13'	17°55'	8°48'	12°25'	3°15'	21°51'	17°36'	19°13'	16° 2'	28°25'	29°14'	1°57'	6°16'
T 17	21 41 10	24° 8'12"	28°59'	19°58'	9°49'	13° 3'	3°22'	21°56'	17°35'	19°15'	16° 3'	28°21'	29°10'	2° 3'	6°20'
F 18	21 45 7	25° 5'50"	12 ^h 34'	22° 1'	10°50'	13°42'	3°29'	22° 0'	17°35'	19°16'	16° 4'	28°14'	29° 7'	2°10'	6°24'
S 19	21 49 3	26° 3'29"	25°59'	24° 4'	11°51'	14°20'	3°36'	22° 5'	17°34'	19°18'	16° 4'	28° 5'	29° 4'	2°17'	6°28'
S 20	21 53 0	27° 1'10"	9 ^h 12'	26° 6'	12°51'	14°59'	3°42'	22°10'	17°34'	19°20'	16° 5'	27°55'	29° 1'	2°23'	6°32'
M21	21 56 57	27°58'52"	22°10'	28° 7'	13°51'	15°37'	3°49'	22°15'	17°34'	19°22'	16° 6'	27°45'	28°58'	2°30'	6°37'
T 22	22 0 53	28°56'35"	4 ^h 54'	0 ^h 7'	14°51'	16°16'	3°55'	22°19'	17°33'	19°24'	16° 7'	27°35'	28°55'	2°36'	6°41'
W23	22 4 50	29°54'19"	17°24'	2° 6'	15°50'	16°54'	4° 1'	22°24'	17°33'	19°26'	16° 8'	27°27'	28°51'	2°43'	6°45'
T 24	22 8 46	0 ^h 52'05"	29°39'	4° 4'	16°49'	17°32'	4° 7'	22°28'	17°33'	19°27'	16° 9'	27°21'	28°48'	2°50'	6°49'
F 25	22 12 43	1°49'52"	11 ^h 42'	6° 1'	17°48'	18°11'	4°13'	22°33'	17°33'	19°29'	16°10'	27°17'	28°45'	2°56'	6°52'
S 26	22 16 39	2°47'40"	23°36'	7°57'	18°46'	18°49'	4°18'	22°37'	17°33'	19°31'	16°11'	27°D16'	28°42'	3° 3'	6°56'
S 27	22 20 36	3°45'29"	5 ^h 24'	9°51'	19°44'	19°28'	4°24'	22°41'	17°D33'	19°33'	16°12'	27°16'	28°39'	3°10'	7° 0'
M28	22 24 32	4°43'20"	17°11'	11°44'	20°41'	20° 6'	4°29'	22°45'	17°33'	19°34'	16°13'	27°17'	28°36'	3°16'	7° 4'
T 29	22 28 29	5°41'12"	29° 3'	13°36'	21°38'	20°44'	4°34'	22°49'	17°33'	19°36'	16°14'	27°18'	28°32'	3°23'	7° 7'
W30	22 32 25	6°39'05"	11 ^h 3'	15°26'	22°35'	21°23'	4°39'	22°53'	17°33'	19°38'	16°15'	27°R18'	28°29'	3°30'	7°11'
T 31	22 36 22	7 ^h 36'59"	23 ^h 19'	17 ^h 15'	23 ^h 31'	22 ^h 1'	4 ^h 44'	22 ^h 57'	17 ^h 33'	19 ^h 39'	16 ^h 16'	27 ^h 17'	28 ^h 26'	3 ^h 36'	7 ^h 15'

Delta T = 08m40s

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SWISS EPHEMERIS for the year 2237

SEPTEMBER 2237

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	22 40 19	8 ^h 34'55	5 ^h 53	19 ^h 3	24 ^h 27	22 ^h 39	4 ^h 49	23 ^h 0	17 ^h 34	19 ^h 41	16 ^h 17	27 ^h R13	28 ^h 23	3 ^h 43	7 ^h 58	18	
S 2	22 44 15	9 ^h 32'51	18 ^h 51	20 ^h 49	25 ^h 22	23 ^h 17	4 ^h 53	23 ^h 4	17 ^h 34	19 ^h 42	16 ^h 19	27 ^h 8	28 ^h 20	3 ^h 50	7 ^h 22		
S 3	22 48 12	10 ^h 30'49	2 ^h 14	22 ^h 34	26 ^h 16	23 ^h 56	4 ^h 57	23 ^h 8	17 ^h 34	19 ^h 44	16 ^h 20	27 ^h 2	28 ^h 16	3 ^h 56	7 ^h 25		
M 4	22 52 8	11 ^h 28'49	16 ^h 2	24 ^h 18	27 ^h 10	24 ^h 34	5 ^h 1	23 ^h 11	17 ^h 35	19 ^h 46	16 ^h 21	26 ^h 54	28 ^h 13	4 ^h 3	7 ^h 28		
T 5	22 56 5	12 ^h 26'50	0 ^h 13	26 ^h 1	28 ^h 4	25 ^h 12	5 ^h 5	23 ^h 14	17 ^h 35	19 ^h 47	16 ^h 22	26 ^h 47	28 ^h 10	4 ^h 9	7 ^h 32		
W 6	23 0 1	13 ^h 24'52	14 ^h 43	27 ^h 42	28 ^h 57	25 ^h 50	5 ^h 9	23 ^h 18	17 ^h 36	19 ^h 49	16 ^h 24	26 ^h 41	28 ^h 7	4 ^h 16	7 ^h 35		
T 7	23 3 58	14 ^h 22'56	29 ^h 25	29 ^h 22	29 ^h 49	26 ^h 28	5 ^h 12	23 ^h 21	17 ^h 36	19 ^h 50	16 ^h 25	26 ^h 37	28 ^h 4	4 ^h 23	7 ^h 38		
F 8	23 7 54	15 ^h 21'02	14 ^h Y11	1 ^h 1	0 ^h M41	27 ^h 6	5 ^h 16	23 ^h 24	17 ^h 37	19 ^h 51	16 ^h 26	26 ^h 34	28 ^h 1	4 ^h 29	7 ^h 41		
S 9	23 11 51	16 ^h 19'10	28 ^h 55	2 ^h 38	1 ^h 32	27 ^h 44	5 ^h 19	23 ^h 27	17 ^h 37	19 ^h 53	16 ^h 28	26 ^h D34	27 ^h 57	4 ^h 36	7 ^h 44		
S 10	23 15 48	17 ^h 17'19	13 ^h 31	4 ^h 15	2 ^h 22	28 ^h 22	5 ^h 22	23 ^h 30	17 ^h 38	19 ^h 54	16 ^h 29	26 ^h 35	27 ^h 54	4 ^h 43	7 ^h 47		
M11	23 19 44	18 ^h 15'31	27 ^h 54	5 ^h 50	3 ^h 12	29 ^h 1	5 ^h 24	23 ^h 33	17 ^h 39	19 ^h 56	16 ^h 31	26 ^h 36	27 ^h 51	4 ^h 49	7 ^h 50		
T 12	23 23 41	19 ^h 13'45	12 ^h 3	7 ^h 24	4 ^h 1	29 ^h 39	5 ^h 27	23 ^h 35	17 ^h 40	19 ^h 57	16 ^h 32	26 ^h 37	27 ^h 48	4 ^h 56	7 ^h 53		
W13	23 27 37	20 ^h 12'01	25 ^h 54	8 ^h 57	4 ^h 49	0 ^h 17	5 ^h 29	23 ^h 38	17 ^h 41	19 ^h 58	16 ^h 34	26 ^h R37	27 ^h 45	5 ^h 3	7 ^h 55		
T 14	23 31 34	21 ^h 10'18	9 ^h 30	10 ^h 29	5 ^h 37	0 ^h 55	5 ^h 32	23 ^h 40	17 ^h 41	20 ^h 0	16 ^h 35	26 ^h 36	27 ^h 42	5 ^h 9	7 ^h 58		
F 15	23 35 30	22 ^h 8'38	22 ^h 50	11 ^h 59	6 ^h 24	1 ^h 33	5 ^h 34	23 ^h 43	17 ^h 42	20 ^h 1	16 ^h 37	26 ^h 33	27 ^h 38	5 ^h 16	8 ^h 1		
S 16	23 39 27	23 ^h 7'00	5 ^h 55	13 ^h 28	7 ^h 10	2 ^h 11	5 ^h 35	23 ^h 45	17 ^h 43	20 ^h 2	16 ^h 39	26 ^h 28	27 ^h 35	5 ^h 23	8 ^h 3		
S 17	23 43 23	24 ^h 5'24	18 ^h 46	14 ^h 57	7 ^h 55	2 ^h 49	5 ^h 37	23 ^h 47	17 ^h 44	20 ^h 3	16 ^h 40	26 ^h 23	27 ^h 32	5 ^h 29	8 ^h 6		
M18	23 47 20	25 ^h 3'50	1 ^h 24	16 ^h 24	8 ^h 39	3 ^h 27	5 ^h 38	23 ^h 49	17 ^h 46	20 ^h 4	16 ^h 42	26 ^h 18	27 ^h 29	5 ^h 36	8 ^h 8		
T 19	23 51 17	26 ^h 2'18	13 ^h 50	17 ^h 50	9 ^h 22	4 ^h 5	5 ^h 40	23 ^h 51	17 ^h 47	20 ^h 6	16 ^h 44	26 ^h 13	27 ^h 26	5 ^h 42	8 ^h 10		
W20	23 55 13	27 ^h 0'48	26 ^h 5	19 ^h 14	10 ^h 4	4 ^h 43	5 ^h 41	23 ^h 53	17 ^h 48	20 ^h 7	16 ^h 45	26 ^h 9	27 ^h 22	5 ^h 49	8 ^h 13		
T 21	23 59 10	27 ^h 59'19	8 ^h 9	20 ^h 38	10 ^h 46	5 ^h 21	5 ^h 41	23 ^h 55	17 ^h 49	20 ^h 8	16 ^h 47	26 ^h 6	27 ^h 19	5 ^h 56	8 ^h 15		
F 22	0 3 6	28 ^h 57'53	20 ^h 5	22 ^h 0	11 ^h 26	5 ^h 58	5 ^h 42	23 ^h 56	17 ^h 51	20 ^h 9	16 ^h 49	26 ^h 5	27 ^h 16	6 ^h 2	8 ^h 17		
S 23	0 7 3	29 ^h 56'28	1 ^h 55	23 ^h 20	12 ^h 5	6 ^h 36	5 ^h 42	23 ^h 58	17 ^h 52	20 ^h 10	16 ^h 51	26 ^h D 4	27 ^h 13	6 ^h 9	8 ^h 19		
S 24	0 10 59	0 ^h 55'05	13 ^h 42	24 ^h 40	12 ^h 43	7 ^h 14	5 ^h 43	23 ^h 59	17 ^h 53	20 ^h 11	16 ^h 53	26 ^h 6	27 ^h 10	6 ^h 16	8 ^h 21		
M25	0 14 56	1 ^h 53'44	25 ^h 29	25 ^h 58	13 ^h 20	7 ^h 52	5 ^h R43	24 ^h 1	17 ^h 55	20 ^h 12	16 ^h 54	26 ^h 7	27 ^h 7	6 ^h 22	8 ^h 23		
T 26	0 18 52	2 ^h 52'24	7 ^h 20	27 ^h 15	13 ^h 56	8 ^h 30	5 ^h 42	24 ^h 2	17 ^h 56	20 ^h 13	16 ^h 56	26 ^h 9	27 ^h 3	6 ^h 29	8 ^h 24		
W27	0 22 49	3 ^h 51'07	19 ^h 20	28 ^h 30	14 ^h 30	9 ^h 8	5 ^h 42	24 ^h 3	17 ^h 58	20 ^h 14	16 ^h 58	26 ^h 10	27 ^h 0	6 ^h 36	8 ^h 26		
T 28	0 26 45	4 ^h 49'51	1 ^h 33	29 ^h 43	15 ^h 3	9 ^h 46	5 ^h 41	24 ^h 4	17 ^h 59	20 ^h 14	17 ^h 0	26 ^h R11	26 ^h 57	6 ^h 42	8 ^h 28		
F 29	0 30 42	5 ^h 48'36	14 ^h 4	0 ^h M55	15 ^h 35	10 ^h 23	5 ^h 41	24 ^h 5	18 ^h 1	20 ^h 15	17 ^h 2	26 ^h 11	26 ^h 54	6 ^h 49	8 ^h 29		
S 30	0 34 39	6 ^h 47'24	26 ^h 58	2 ^h M 5	16 ^h M 5	11 ^h 17	5 ^h II40	24 ^h II 5	18 ^h 3	20 ^h 16	17 ^h M 4	26 ^h 10	26 ^h 51	6 ^h M56	8 ^h 31		

Delta T = 08m40s

OCTOBER 2237

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	0 38 35	7 ^h 46'13	10 ^h 18	3 ^h M14	16 ^h M34	11 ^h 39	5 ^h R38	24 ^h II 6	18 ^h 5	20 ^h 17	17 ^h M 6	26 ^h R 8	26 ^h 47	7 ^h M 2	8 ^h 32		
M 2	0 42 32	8 ^h 45'04	24 ^h 4	4 ^h 20	17 ^h 1	12 ^h 17	5 ^h II37	24 ^h 7	18 ^h 6	20 ^h 18	17 ^h 8	26 ^h 6	26 ^h 44	7 ^h 9	8 ^h 34		
T 3	0 46 28	9 ^h 43'56	8 ^h 18	5 ^h 24	17 ^h 27	12 ^h 54	5 ^h 35	24 ^h 7	18 ^h 8	20 ^h 18	17 ^h 10	26 ^h 3	26 ^h 41	7 ^h 16	8 ^h 35		
W 4	0 50 25	10 ^h 42'50	22 ^h 55	6 ^h 26	17 ^h 50	13 ^h 32	5 ^h 34	24 ^h 7	18 ^h 10	20 ^h 19	17 ^h 12	26 ^h 1	26 ^h 38	7 ^h 22	8 ^h 36		
T 5	0 54 21	11 ^h 41'46	7 ^h Y50	7 ^h 25	18 ^h 13	14 ^h 10	5 ^h 32	24 ^h 8	18 ^h 12	20 ^h 20	17 ^h 14	26 ^h 0	26 ^h 35	7 ^h 29	8 ^h 37		
F 6	0 58 18	12 ^h 40'45	22 ^h 55	8 ^h 22	18 ^h 33	14 ^h 47	5 ^h 29	24 ^h R 8	18 ^h 14	20 ^h 20	17 ^h 16	26 ^h D 0	26 ^h 32	7 ^h 35	8 ^h 38		
S 7	1 2 14	13 ^h 39'45	8 ^h 0	9 ^h 15	18 ^h 51	15 ^h 25	5 ^h 27	24 ^h 8	18 ^h 16	20 ^h 21	17 ^h 18	26 ^h 0	26 ^h 28	7 ^h 42	8 ^h 39		
S 8	1 6 11	14 ^h 38'47	22 ^h 58	10 ^h 6	19 ^h 8	16 ^h 3	5 ^h 24	24 ^h 8	18 ^h 18	20 ^h 21	17 ^h 20	26 ^h 1	26 ^h 25	7 ^h 49	8 ^h 40		
M 9	1 10 8	15 ^h 37'52	7 ^h II41	10 ^h 53	19 ^h 23	16 ^h 40	5 ^h 22	24 ^h 7	18 ^h 20	20 ^h 22	17 ^h 22	26 ^h 1	26 ^h 22	7 ^h 55	8 ^h 41		
T 10	1 14 4	16 ^h 36'59	22 ^h 4	11 ^h 36	19 ^h 35	17 ^h 18	5 ^h 19	24 ^h 7	18 ^h 22	20 ^h 22	17 ^h 25	26 ^h 2	26 ^h 19	8 ^h 2	8 ^h 41		
W11	1 18 1	17 ^h 36'09	6 ^h 4	12 ^h 15	19 ^h 46	17 ^h 56	5 ^h 16	24 ^h 7	18 ^h 24	20 ^h 23	17 ^h 27	26 ^h 3	26 ^h 16	8 ^h 9	8 ^h 42		
T 12	1 21 57	18 ^h 35'20	19 ^h 41	12 ^h 50	19 ^h 54	18 ^h 33	5 ^h 12	24 ^h 6	18 ^h 27	20 ^h 23	17 ^h 29	26 ^h R 3	26 ^h 13	8 ^h 15	8 ^h 43		
F 13	1 25 54	19 ^h 34'34	2 ^h Ω55	13 ^h 20	20 ^h 0	19 ^h 11	5 ^h 9	24 ^h 5	18 ^h 29	20 ^h 24	17 ^h 31	26 ^h 3	26 ^h 9	8 ^h 22	8 ^h 43		
S 14	1 29 50	20 ^h 33'51	15 ^h 50	13 ^h 44	20 ^h 4	19 ^h 49	5 ^h 5	24 ^h 5	18 ^h 31	20 ^h 24	17 ^h 33	26 ^h 2	26 ^h 6	8 ^h 29	8 ^h 43		
S 15	1 33 47	21 ^h 33'09	28 ^h 27	14 ^h 3	20 ^h R 5	20 ^h 26	5 ^h 1	24 ^h 4	18 ^h 34	20 ^h 24	17 ^h 36	26 ^h 2	26 ^h 3	8 ^h 35	8 ^h 44		
M16	1 37 43	22 ^h 32'30	10 ^h 49	14 ^h 15	20 ^h 5	21 ^h 4	4 ^h 57	24 ^h 3	18 ^h 36	20 ^h 25	17 ^h 38	26 ^h 1	26 ^h 0	8 ^h 42	8 ^h 44		
T 17	1 41 40	23 ^h 31'53	23 ^h 0	14 ^h R21	20 ^h 2	21 ^h 41	4 ^h 52	24 ^h 2	18 ^h 38	20 ^h 25	17 ^h 40	26 ^h 1	25 ^h 57	8 ^h 49	8 ^h 44		
W18	1 45 37	24 ^{h</}															

SWISS EPHEMERIS for the year 2237

NOVEMBER 2237

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	2 40 48	8♈26'31	0♀59	1°R56	14°R45	1♁ 2	3°R28	23°R32	19♁19	20°R24	18♈15	26♁ 0	25♁ 9	10♈28	8°R36
T 2	2 44 45	9°26'24	15°50	0♈57	14♈10	1°40	3♁21	23♁30	19°22	20♁24	18°17	26° 1	25° 6	10°35	8♁35
F 3	2 48 41	10°26'18	0♁58	0° 7	13°34	2°17	3°14	23°27	19°25	20°24	18°20	26°R 1	25° 3	10°42	8°33
S 4	2 52 38	11°26'14	16°12	29♁27	12°58	2°54	3° 7	23°24	19°28	20°24	18°22	26° 0	24°59	10°48	8°32
S 5	2 56 34	12°26'12	1♁25	28°58	12°21	3°31	3° 0	23°21	19°32	20°23	18°25	25°59	24°56	10°55	8°31
M 6	3 0 31	13°26'12	16°25	28°41	11°45	4° 9	2°53	23°18	19°35	20°23	18°27	25°57	24°53	11° 2	8°29
T 7	3 4 28	14°26'15	1♁ 4	28°D35	11° 8	4°46	2°45	23°15	19°38	20°22	18°30	25°54	24°50	11° 8	8°27
W 8	3 8 24	15°26'19	15°18	28°41	10°32	5°23	2°38	23°11	19°41	20°22	18°32	25°52	24°47	11°15	8°26
T 9	3 12 21	16°26'25	29° 4	28°57	9°57	6° 0	2°30	23° 8	19°44	20°21	18°34	25°50	24°44	11°22	8°24
F 10	3 16 17	17°26'34	12♁23	29°24	9°23	6°37	2°23	23° 5	19°47	20°21	18°37	25°D49	24°40	11°28	8°22
S 11	3 20 14	18°26'44	25°16	29°59	8°50	7°15	2°15	23° 1	19°51	20°20	18°39	25°50	24°37	11°35	8°20
S 12	3 24 10	19°26'57	7♁48	0♈43	8°18	7°52	2° 7	22°57	19°54	20°19	18°42	25°50	24°34	11°41	8°18
M13	3 28 7	20°27'11	20° 3	1°34	7°48	8°29	2° 0	22°54	19°57	20°19	18°44	25°52	24°31	11°48	8°16
T14	3 32 3	21°27'28	2♁ 5	2°32	7°20	9° 6	1°52	22°50	20° 0	20°18	18°47	25°54	24°28	11°55	8°14
W15	3 36 0	22°27'46	13°58	3°35	6°53	9°43	1°44	22°46	20° 4	20°17	18°49	25°55	24°24	12° 1	8°12
T 16	3 39 57	23°28'06	25°47	4°44	6°29	10°20	1°36	22°42	20° 7	20°17	18°51	25°R56	24°21	12° 8	8°10
F 17	3 43 53	24°28'28	7♈34	5°56	6° 7	10°57	1°28	22°38	20°11	20°16	18°54	25°55	24°18	12°15	8° 7
S 18	3 47 50	25°28'52	19°22	7°13	5°47	11°34	1°19	22°34	20°14	20°15	18°56	25°53	24°15	12°21	8° 5
S 19	3 51 46	26°29'18	1♁13	8°32	5°29	12°11	1°11	22°30	20°17	20°14	18°59	25°49	24°12	12°28	8° 3
M20	3 55 43	27°29'45	13° 9	9°54	5°14	12°48	1° 3	22°26	20°21	20°13	19° 1	25°44	24° 9	12°35	8° 0
T21	3 59 39	28°30'14	25°11	11°19	5° 1	13°25	0°55	22°22	20°24	20°12	19° 3	25°38	24° 5	12°41	7°58
W22	4 3 36	29°30'44	7♁22	12°45	4°50	14° 2	0°47	22°17	20°28	20°12	19° 6	25°32	24° 2	12°48	7°55
T23	4 7 32	0♁31'16	19°44	14°12	4°43	14°39	0°39	22°13	20°31	20°11	19° 8	25°26	23°59	12°55	7°52
F 24	4 11 29	1°31'49	2♁18	15°41	4°37	15°16	0°30	22° 8	20°35	20°10	19°11	25°21	23°56	13° 1	7°49
S 25	4 15 26	2°32'23	15° 7	17°11	4°34	15°53	0°22	22° 4	20°38	20° 9	19°13	25°18	23°53	13° 8	7°47
S 26	4 19 22	3°32'58	28°13	18°42	4°D33	16°30	0°14	21°59	20°42	20° 8	19°15	25°D16	23°50	13°15	7°44
M27	4 23 19	4°33'34	11♁40	20°14	4°35	17° 6	0° 6	21°55	20°45	20° 7	19°18	25°17	23°46	13°21	7°41
T28	4 27 15	5°34'12	25°29	21°46	4°40	17°43	29♁58	21°50	20°49	20° 5	19°20	25°18	23°43	13°28	7°38
W29	4 31 12	6°34'50	9♀41	23°18	4°46	18°20	29°50	21°46	20°52	20° 4	19°22	25°19	23°40	13°35	7°35
T30	4 35 8	7♁35'30	24♀15	24♈51	4♈55	18♁57	29♁42	21♁41	20♁56	20♁ 3	19♈25	25°R20	23♁37	13♈41	7♁31

Delta T = 08m41s

DECEMBER 2237

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	4 39 5	8♁36'11	9♁ 7	26♈24	5♈ 6	19♁34	29°R34	21°R36	21♁ 0	20°R 2	19♈27	25°R19	23♁34	13♈48	7°R28
S 2	4 43 1	9°36'53	24°12	27°57	5°19	20°10	29♁26	21♁31	21° 3	20♁ 1	19°29	25°♁16	23°30	13°55	7♁25
S 3	4 46 58	10°37'36	9♁21	29°31	5°35	20°47	29°18	21°27	21° 7	20° 0	19°32	25°11	23°27	14° 1	7°22
M 4	4 50 55	11°38'21	24°24	1♁ 4	5°52	21°24	29°10	21°22	21°10	19°58	19°34	25° 5	23°24	14° 8	7°19
T 5	4 54 51	12°39'07	9♁11	2°38	6°12	22° 0	29° 2	21°17	21°14	19°57	19°36	24°57	23°21	14°14	7°15
W 6	4 58 48	13°39'54	23°35	4°12	6°33	22°37	28°55	21°12	21°18	19°56	19°39	24°49	23°18	14°21	7°12
T 7	5 2 44	14°40'43	7♁32	5°45	6°56	23°13	28°47	21° 7	21°21	19°55	19°41	24°42	23°15	14°28	7° 8
F 8	5 6 41	15°41'32	20°58	7°19	7°22	23°50	28°40	21° 2	21°25	19°53	19°43	24°37	23°11	14°34	7° 5
S 9	5 10 37	16°42'24	3♁57	8°53	7°49	24°27	28°32	20°57	21°29	19°52	19°45	24°34	23° 8	14°41	7° 1
S 10	5 14 34	17°43'16	16°31	10°27	8°17	25° 3	28°25	20°53	21°32	19°51	19°48	24°D33	23° 5	14°48	6°58
M11	5 18 31	18°44'10	28°46	12° 1	8°47	25°40	28°18	20°48	21°36	19°49	19°50	24°34	23° 2	14°54	6°54
T12	5 22 27	19°45'05	10♁46	13°34	9°19	26°16	28°11	20°43	21°40	19°48	19°52	24°35	22°59	15° 1	6°50
W13	5 26 24	20°46'01	22°37	15° 8	9°53	26°53	28° 4	20°38	21°43	19°46	19°54	24°R36	22°56	15° 8	6°47
T14	5 30 20	21°46'59	4♈23	16°42	10°27	27°29	27°57	20°33	21°47	19°45	19°56	24°35	22°52	15°14	6°43
F 15	5 34 17	22°47'58	16°10	18°16	11° 3	28° 5	27°50	20°28	21°51	19°43	19°58	24°32	22°49	15°21	6°39
S 16	5 38 13	23°48'57	28° 0	19°50	11°41	28°42	27°43	20°23	21°54	19°42	20° 0	24°27	22°46	15°28	6°36
S 17	5 42 10	24°49'58	9♁57	21°24	12°20	29°18	27°37	20°18	21°58	19°40	20° 3	24°19	22°43	15°34	6°32
M18	5 46 6	25°51'00	22° 3	22°58	13° 0	29°54	27°31	20°13	22° 2	19°39	20° 5	24° 9	22°40	15°41	6°28
T19	5 50 3	26°52'02	4♁19	24°32	13°41	0♈31	27°24	20° 8	22° 5	19°37	20° 7	23°57	22°36	15°48	6°24
W20	5 54 0	27°53'05	16°45	26° 7	14°23	1° 7	27°18	20° 3	22° 9	19°36	20° 9	23°44	22°33	15°54	6°20
T21	5 57 56	28°54'09	29°22	27°41	15° 7	1°43	27°12	19°58	22°13	19°34	20°11	23°33	22°30	16° 1	6°17
F 22	6 1 53	29°55'13	12♁10	29°16	15°51	2°19	27° 7	19°54	22°16	19°33	20°13	23°22	22°27	16° 8	6°13
S 23	6 5 49	0♁56'17	25°10	0♁50	16°37	2°56	27° 1	19°49	22°20	19°31	20°15	23°14	22°24	16°14	6° 9
S 24	6 9 46	1°57'22	8♁23	2°25	17°23	3°32	26°56	19°44	22°24	19°30	20°17	23° 9	22°21	16°21	6° 5
M25	6 13 42	2°58'28	21°49	4° 0	18°11	4° 8	26°50	19°39	22°27	19°28	20°19	23° 7	22°17	16°28	6° 1
T26	6 17 39	3°59'33	5♀30	5°36	18°59	4°44	26°45	19°35	22°31	19°26	20°21	23°D 7	22°14	16°34	5°57
W27	6 21 35	5° 0'38	19°28	7°11	19°48	5°20	26°40	19°30	22°34	19°25	20°22	23°R 7	22°11	16°41	5°53
T28	6 25 32	6° 1'44	3♁42	8°47	20°38	5°56	26°36	19°25	22°38	19°23	20°24	23° 6	22° 8	16°48	5°49
F 29	6 29 29	7° 2'50	18°12	10°23	21°29	6°32	26°31	19°21	22°42	19°21	20°26	23° 4	22° 5	16°54	5°45
S 30	6 33 25	8° 3'56	2♁54	11°59	22°21	7° 7	26°27	19°16	22°45	19°20	20°28	23° 0	22° 2	17° 1	5°41
S 31	6 37 22	9♁ 5'02	17♁42	13♁35	23♈13	7♈43	26♁23	19♁12	22♁49	19♁18	20♈30	22♁52	21♁58	17♈ 8	5♁37

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