

SWISS EPHEMERIS for the year 2397

JANUARY 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	6 43 15	10 ³³ 16	20 ³⁵ 56	27 ³⁵ 54	18 ³² 23	23 ³¹ 20	6 ¹¹ 41	26 ¹¹ 32	16 ¹¹ 33	8 ¹⁰ 19	23 ¹⁰ R16	6 ¹⁰ R26	6 ¹⁰ Y42	6 ¹⁰ M46	28 ¹⁰ 39
T 2	6 47 12	11 ³² 24	3 ³⁵ 58	29 ²⁰	19 ³⁸	24 ³ 6	6 ⁵⁰	26 ³⁸	16 ³⁶	8 ¹⁷	23 ¹¹ 15	6 ¹⁰ Y13	6 ¹⁰ 39	6 ⁵³	28 ³⁴
F 3	6 51 8	12 ³³ 33	17 ¹¹	0 ³⁵ 44	20 ⁵⁴	24 ⁴⁶	6 ⁵⁸	26 ⁴⁴	16 ³⁸	8 ¹⁶	23 ¹³	6 ³	6 ³⁶	6 ⁵⁹	28 ⁴⁰
S 4	6 55 5	13 ³⁴ 41	0 ³⁵	2 ⁶	22 ⁹	25 ²⁹	7 ⁷	26 ⁴⁹	16 ⁴¹	8 ¹⁴	23 ¹²	5 ⁵⁶	6 ³³	7 ⁶	28 ⁴⁵
S 5	6 59 1	14 ³⁵ 49	14 ⁸	3 ²⁵	23 ²⁴	26 ¹²	7 ¹⁵	26 ⁵⁵	16 ⁴³	8 ¹²	23 ¹¹	5 ⁵³	6 ²⁹	7 ¹³	28 ⁵¹
M 6	7 2 58	15 ³⁶ 57	27 ⁵⁰	4 ⁴¹	24 ⁴⁰	26 ⁵⁵	7 ²³	27 ⁰	16 ⁴⁵	8 ¹¹	23 ¹⁰	5 ⁵¹	6 ²⁶	7 ¹⁹	28 ⁵⁶
T 7	7 6 54	16 ³⁸ 05	11 ⁴⁴	5 ⁵³	25 ⁵⁵	27 ³⁸	7 ³¹	27 ⁶	16 ⁴⁸	8 ⁹	23 ⁹	5 ⁵¹	6 ²³	7 ²⁶	29 ²
W 8	7 10 51	17 ³⁹ 13	25 ⁴⁴	7 ¹	27 ¹¹	28 ²¹	7 ³⁹	27 ¹¹	16 ⁵⁰	8 ⁷	23 ⁸	5 ⁵¹	6 ²⁰	7 ³³	29 ⁷
T 9	7 14 47	18 ⁴⁰ 21	9 ⁵⁵	8 ⁵	28 ²⁶	29 ⁴	7 ⁴⁷	27 ¹⁷	16 ⁵²	8 ⁶	23 ⁷	5 ⁴⁹	6 ¹⁷	7 ³⁹	29 ¹³
F 10	7 18 44	19 ⁴¹ 28	24 ¹⁵	9 ²	29 ⁴¹	29 ⁴⁷	7 ⁵⁵	27 ²²	16 ⁵⁵	8 ⁴	23 ⁶	5 ⁴⁵	6 ¹³	7 ⁴⁶	29 ¹⁹
S 11	7 22 41	20 ⁴² 35	8 ¹¹ 39	9 ⁵³	0 ³⁵ 57	0 ¹⁰ 30	8 ²	27 ²⁷	16 ⁵⁷	8 ²	23 ⁵	5 ³⁹	6 ¹⁰	7 ⁵³	29 ²⁴
S 12	7 26 37	21 ⁴³ 42	23 ⁵	10 ³⁷	2 ¹²	1 ¹³	8 ¹⁰	27 ³²	16 ⁵⁹	8 ¹	23 ⁴	5 ²⁹	6 ⁷	7 ⁵⁹	29 ³⁰
M 13	7 30 34	22 ⁴⁴ 49	7 ²⁵	11 ¹²	3 ²⁷	1 ⁵⁶	8 ¹⁷	27 ³⁸	17 ¹	7 ⁵⁹	23 ³	5 ¹⁸	6 ⁴	8 ⁶	29 ³⁵
T 14	7 34 30	23 ⁴⁵ 56	21 ³⁴	11 ³⁸	4 ⁴³	2 ³⁹	8 ²⁴	27 ⁴³	17 ³	7 ⁵⁷	23 ²	5 ⁶	6 ¹	8 ¹³	29 ⁴¹
W 15	7 38 27	24 ⁴⁷ 02	5 ¹² 26	11 ⁵⁵	5 ⁵⁸	3 ²²	8 ³¹	27 ⁴⁸	17 ⁵	7 ⁵⁶	23 ¹	4 ⁵⁵	5 ⁵⁸	8 ¹⁹	29 ⁴⁶
T 16	7 42 23	25 ⁴⁸ 08	18 ⁵⁷	12 ¹⁰ R 0	7 ¹³	4 ⁵	8 ³⁸	27 ⁵²	17 ⁷	7 ⁵⁴	23 ⁰	4 ⁴⁵	5 ⁵⁴	8 ²⁶	29 ⁵²
F 17	7 46 20	26 ⁴⁹ 14	2 ¹¹ 5	11 ⁵⁴	8 ²⁹	4 ⁴⁸	8 ⁴⁵	27 ⁵⁷	17 ⁹	7 ⁵³	22 ⁵⁹	4 ³⁸	5 ⁵¹	8 ³³	29 ⁵⁸
S 18	7 50 17	27 ⁵⁰ 20	14 ⁵¹	11 ³⁶	9 ⁴⁴	5 ³¹	8 ⁵¹	28 ²	17 ¹¹	7 ⁵¹	22 ⁵⁸	4 ³⁴	5 ⁴⁸	8 ³⁹	0 ³⁵ 3
S 19	7 54 13	28 ⁵¹ 26	27 ¹⁶	11 ⁶	10 ⁵⁹	6 ¹⁴	8 ⁵⁸	28 ⁷	17 ¹²	7 ⁴⁹	22 ⁵⁷	4 ³²	5 ⁴⁵	8 ⁴⁶	0 ⁹
M 20	7 58 10	29 ⁵² 31	9 ²⁵	10 ²⁵	12 ¹⁵	6 ⁵⁷	9 ⁴	28 ¹¹	17 ¹⁴	7 ⁴⁸	22 ⁵⁶	4 ³⁰ D32	5 ⁴²	8 ⁵³	0 ¹⁴
T 21	8 2 6	0 ³⁵ 37	21 ²²	9 ³³	13 ³⁰	7 ⁴⁰	9 ¹⁰	28 ¹⁶	17 ¹⁶	7 ⁴⁶	22 ⁵⁶	4 ³²	5 ³⁹	8 ⁵⁹	0 ²⁰
W 22	8 6 3	1 ⁵⁴ 42	3 ¹¹ 12	8 ³²	14 ⁴⁵	8 ²³	9 ¹⁶	28 ²⁰	17 ¹⁷	7 ⁴⁵	22 ⁵⁵	4 ³⁰ R33	5 ³⁵	9 ⁶	0 ²⁶
T 23	8 9 59	2 ⁵⁵ 48	15 ⁰	7 ²⁴	16 ⁰	9 ⁵	9 ²²	28 ²⁵	17 ¹⁹	7 ⁴³	22 ⁵⁴	4 ³²	5 ³²	9 ¹³	0 ³¹
F 24	8 13 56	3 ⁵⁶ 53	26 ⁵³	6 ⁹	17 ¹⁶	9 ⁴⁸	9 ²⁷	28 ²⁹	17 ²¹	7 ⁴²	22 ⁵³	4 ²⁹	5 ²⁹	9 ¹⁹	0 ³⁷
S 25	8 17 52	4 ⁵⁷ 58	8 ²⁷ 55	4 ⁵²	18 ³¹	10 ³¹	9 ³³	28 ³³	17 ²²	7 ⁴⁰	22 ⁵²	4 ²⁴	5 ²⁶	9 ²⁶	0 ⁴²
S 26	8 21 49	5 ⁵⁹ 02	21 ¹⁰	3 ³⁴	19 ⁴⁶	11 ¹⁴	9 ³⁸	28 ³⁷	17 ²⁴	7 ³⁹	22 ⁵¹	4 ¹⁶	5 ²³	9 ³³	0 ⁴⁸
M 27	8 25 46	7 ⁰ 07	3 ³² 42	2 ¹⁸	21 ¹	11 ⁵⁷	9 ⁴³	28 ⁴¹	17 ²⁵	7 ³⁷	22 ⁵¹	4 ⁶	5 ¹⁹	9 ³⁹	0 ⁵⁴
T 28	8 29 42	8 ¹ 10	16 ³¹	1 ⁵	22 ¹⁷	12 ⁴⁰	9 ⁴⁸	28 ⁴⁵	17 ²⁶	7 ³⁶	22 ⁵⁰	3 ⁵⁶	5 ¹⁶	9 ⁴⁶	0 ⁵⁹
W 29	8 33 39	9 ² 13	29 ³⁸	29 ³⁵ 8	23 ³²	13 ²³	9 ⁵³	28 ⁴⁹	17 ²⁷	7 ³⁵	22 ⁴⁹	3 ⁴⁵	5 ¹³	9 ⁵³	1 ⁵
T 30	8 37 35	10 ³ 16	13 ³⁵ 1	28 ⁵⁸	24 ⁴⁷	14 ⁶	9 ⁵⁸	28 ⁵³	17 ²⁹	7 ³³	22 ⁴⁸	3 ³⁶	5 ¹⁰	9 ⁵⁹	1 ¹⁰
F 31	8 41 32	11 ³⁵ 4'18	26 ³⁵ 40	28 ³⁵ 6	26 ³⁵ 2	14 ¹⁰ 48	10 ¹¹ 2	28 ¹¹ 57	17 ¹¹ 30	7 ³² 32	22 ¹¹ 48	3 ¹⁰ Y29	5 ¹⁰ Y 7	10 ¹¹ 6	1 ¹¹ 16

Delta T = 16m52s

FEBRUARY 2397

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 45 28	12 ³⁵ 5'18	10 ³⁵ 29	27 ¹⁰ R22	27 ³⁵ 17	15 ¹⁰ Y31	10 ¹¹ 7	29 ¹¹ 0	17 ¹¹ 31	7 ¹⁰ R31	22 ¹⁰ R47	3 ¹⁰ R24	5 ¹⁰ Y 4	10 ¹¹ 13	1 ¹¹ 21
S 2	8 49 25	13 ⁶ 18	24 ²⁷	26 ³⁵ 48	28 ³³	16 ¹⁴	10 ¹¹	29 ⁴	17 ³²	7 ²⁹ 29	22 ¹¹ 46	3 ¹⁰ Y21	5 ⁰	10 ¹⁹	1 ²⁷
M 3	8 53 21	14 ⁷ 17	8 ¹⁰ Y30	26 ²³	29 ⁴⁸	16 ⁵⁷	10 ¹⁵	29 ⁷	17 ³³	7 ²⁸	22 ⁴⁵	3 ¹⁰ D21	4 ⁵⁷	10 ²⁶	1 ³²
T 4	8 57 18	15 ⁸ 14	22 ³⁶	26 ⁶	1 ³⁵ 3	17 ³⁹	10 ¹⁹	29 ¹¹	17 ³⁴	7 ²⁷	22 ⁴⁵	3 ²²	4 ⁵⁴	10 ³³	1 ³⁸
W 5	9 1 15	16 ⁹ 11	6 ¹⁰ 43	25 ⁵⁸	2 ¹⁸	18 ²²	10 ²²	29 ¹⁴	17 ³⁵	7 ²⁵	22 ⁴⁴	3 ²³	4 ⁵¹	10 ³⁹	1 ⁴³
T 6	9 5 11	17 ¹⁰ 06	20 ⁵¹	25 ¹⁰ D58	3 ³³	19 ⁵	10 ²⁶	29 ¹⁷	17 ³⁶	7 ²⁴	22 ⁴³	3 ¹⁰ R24	4 ⁴⁸	10 ⁴⁶	1 ⁴⁹
F 7	9 9 8	18 ¹¹ 00	4 ¹¹ 51	26 ⁵	4 ⁴⁸	19 ⁴⁸	10 ²⁹	29 ²⁰	17 ³⁶	7 ²³	22 ⁴³	3 ²²	4 ⁴⁵	10 ⁵³	1 ⁵⁴
S 8	9 13 4	19 ¹¹ 53	19 ¹	26 ¹⁹	6 ³	20 ³⁰	10 ³²	29 ²³	17 ³⁷	7 ²²	22 ⁴²	3 ¹⁹	4 ⁴¹	10 ⁵⁹	2 ⁰
S 9	9 17 1	20 ¹² 44	2 ²⁵ 59	26 ⁴⁰	7 ¹⁸	21 ¹³	10 ³⁵	29 ²⁶	17 ³⁸	7 ²¹	22 ⁴²	3 ¹⁴	4 ³⁸	11 ⁶	2 ⁵
M 10	9 20 57	21 ¹³ 35	16 ⁵⁰	27 ⁷	8 ³³	21 ⁵⁵	10 ³⁸	29 ²⁹	17 ³⁹	7 ¹⁹	22 ⁴¹	3 ⁷	4 ³⁵	11 ¹³	2 ¹⁰
T 11	9 24 54	22 ¹⁴ 24	0 ¹² 31	27 ³⁹	9 ⁴⁸	22 ³⁸	10 ⁴¹	29 ³²	17 ³⁹	7 ¹⁸	22 ⁴¹	3 ⁰	4 ³²	11 ²⁰	2 ¹⁶
W 12	9 28 50	23 ¹⁵ 11	13 ⁵⁸	28 ¹⁶	11 ³	23 ²¹	10 ⁴³	29 ³⁴	17 ⁴⁰	7 ¹⁷	22 ⁴⁰	2 ⁵³	4 ²⁹	11 ²⁶	2 ²¹
T 13	9 32 47	24 ¹⁵ 57	27 ⁹	28 ⁵⁸	12 ¹⁸	24 ³	10 ⁴⁵	29 ³⁷	17 ⁴⁰	7 ¹⁶	22 ⁴⁰	2 ⁴⁷	4 ²⁵	11 ³³	2 ²⁶
F 14	9 36 44	25 ¹⁶ 42	10 ¹¹ 4	29 ⁴⁴	13 ³³	24 ⁴⁶	10 ⁴⁷	29 ³⁹	17 ⁴⁰	7 ¹⁵	22 ³⁹	2 ⁴³	4 ²²	11 ⁴⁰	2 ³²
S 15	9 40 40	26 ¹⁷ 26	22 ⁴¹	0 ³⁵ 34	14 ⁴⁷	25 ²⁸	10 ⁴⁹	29 ⁴¹	17 ⁴¹	7 ¹⁴	22 ³⁹	2 ⁴¹	4 ¹⁹	11 ⁴⁶	2 ³⁷
S 16	9 44 37	27 ¹⁸ 09	5 ¹² 2	1 ²⁷	16 ²	26 ¹¹	10 ⁵¹	29 ⁴⁴	17 ⁴¹	7 ¹³	22 ³⁸	2 ¹⁰ D40	4 ¹⁶	11 ⁵³	2 ⁴²
M 17	9 48 33	28 ¹⁸ 51	17 ¹⁰	2 ²³	17 ¹⁷	26 ⁵³	10 ⁵²	29 ⁴⁶	17 ⁴¹	7 ¹²	22 ³⁸	2 ⁴¹	4 ¹³	12 ⁰	2 ⁴⁷
T 18	9 52 30	29 ¹⁹ 31	29 ⁷	3 ²²	18 ³²	27 ³⁵	10 ⁵⁴	29 ⁴⁸	17 ⁴¹	7 ¹¹	22 ³⁸	2 ⁴³	4 ¹⁰	12 ⁶	2 ⁵²
W 19	9 56 26	0 ³⁵ 20'11	10 ¹¹ 58	4 ²⁴	19 ⁴⁷	28 ¹⁸	10 ⁵⁵	29 ⁵⁰	17 ⁴²	7 ¹⁰	22 ³⁷	2 ⁴⁵	4 ⁶	12 ¹³	2 ⁵⁸
T 20	10 0 23	1 ²⁰ 49	22 ⁴⁷	5 ²⁸	21 ¹	29 ⁰	10 ⁵⁶	29 ⁵²	17 ⁴²	7 ¹⁰	22 ³⁷	2 ⁴⁶	4 ³	12 ²⁰	3 ³
F 21	10 4 19	2 ²¹ 27	4 ²⁷ 41	6 ³⁵	22 ¹⁶	29 ⁴³	10 ⁵⁶	29 ⁵³	17 ¹⁰ R42	7 ⁹	22 ³⁷	2 ¹⁰ R46	4 ⁰	12 ²⁶	3 ⁸
S 22	10 8 16	3 ²² 03	16 ⁴³	7 ⁴⁴	23 ³¹	0 ³⁵ 25	10 ⁵⁷	29 ⁵⁵	17 ⁴²	7 ⁸	22 ³⁶	2 ⁴⁵	3 ⁵⁷	12 ³³	3 ¹³
S 23	10 12 13	4 ²² 38	28 ⁵⁸	8 ⁵⁵	24 ⁴⁵										

SWISS EPHEMERIS for the year 2397

MARCH 2397

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	10 35 52	10♌25'41	19♋31	16♌35	2♏13	5♄20	10°R55	0♌3	17°R40	7°R 3	22°R35	2°R23	3♏35	13♌20	3♌47
S 2	10 39 48	11°26'06	3♏56	17°57	3°27	6° 2	10♌55	0° 4	17♌39	7♄3	22♏35	2°D23	3°31	13°26	3°52
M 3	10 43 45	12°26'29	18°28	19°20	4°42	6°44	10°53	0° 5	17°39	7° 2	22°35	2♏23	3°28	13°33	3°57
T 4	10 47 42	13°26'50	2♄59	20°44	5°56	7°26	10°52	0° 6	17°38	7° 2	22°34	2°24	3°25	13°40	4° 1
W 5	10 51 38	14°27'10	17°26	22°10	7°10	8° 9	10°50	0° 6	17°37	7° 1	22°34	2°26	3°22	13°46	4° 6
T 6	10 55 35	15°27'28	1♏45	23°37	8°25	8°50	10°49	0° 6	17°37	7° 1	22°34	2°27	3°19	13°53	4°10
F 7	10 59 31	16°27'43	15°53	25° 5	9°39	9°32	10°47	0° 7	17°36	7° 0	22°D34	2°R27	3°16	14° 0	4°15
S 8	11 3 28	17°27'57	29°48	26°34	10°53	10°14	10°45	0° 7	17°35	7° 0	22°34	2°27	3°12	14° 6	4°19
S 9	11 7 24	18°28'09	13♄30	28° 4	12° 7	10°56	10°42	0°R 7	17°34	7° 0	22°34	2°26	3° 9	14°13	4°24
M10	11 11 21	19°28'18	26°59	29°36	13°21	11°38	10°40	0° 7	17°33	6°59	22°35	2°24	3° 6	14°20	4°28
T 11	11 15 17	20°28'26	10♏14	1♌8	14°36	12°20	10°37	0° 7	17°32	6°59	22°35	2°23	3° 3	14°26	4°33
W12	11 19 14	21°28'31	23°15	2°42	15°50	13° 2	10°35	0° 7	17°31	6°59	22°35	2°21	3° 0	14°33	4°37
T 13	11 23 11	22°28'35	6♏2	4°17	17° 4	13°43	10°32	0° 6	17°30	6°59	22°35	2°20	2°56	14°40	4°41
F 14	11 27 7	23°28'36	18°37	5°53	18°18	14°25	10°28	0° 6	17°29	6°59	22°35	2°19	2°53	14°46	4°45
S 15	11 31 4	24°28'36	1♌0	7°30	19°32	15° 7	10°25	0° 5	17°28	6°58	22°35	2°D19	2°50	14°53	4°49
S 16	11 35 0	25°28'34	13°11	9° 8	20°45	15°49	10°21	0° 5	17°27	6°58	22°35	2°19	2°47	15° 0	4°54
M17	11 38 57	26°28'30	25°14	10°47	21°59	16°30	10°18	0° 4	17°26	6°58	22°36	2°19	2°44	15° 7	4°58
T 18	11 42 53	27°28'24	7♌9	12°27	23°13	17°12	10°14	0° 3	17°24	6°D58	22°36	2°20	2°41	15°13	5° 2
W19	11 46 50	28°28'16	18°59	14° 9	24°27	17°53	10°10	0° 2	17°23	6°58	22°36	2°20	2°37	15°20	5° 5
T 20	11 50 46	29°28'07	0♌50	15°52	25°40	18°35	10° 6	0° 1	17°22	6°58	22°36	2°21	2°34	15°27	5° 9
F 21	11 54 43	0♏27'57	12°43	17°36	26°54	19°16	10° 1	0° 0	17°20	6°58	22°37	2°21	2°31	15°33	5°13
S 22	11 58 40	1°27'44	24°44	19°21	28° 8	19°58	9°57	29♌59	17°19	6°59	22°37	2°21	2°28	15°40	5°17
S 23	12 2 36	2°27'30	6♄57	21° 7	29°21	20°39	9°52	29°58	17°17	6°59	22°37	2°21	2°25	15°47	5°21
M24	12 6 33	3°27'14	19°27	22°55	0♄35	21°21	9°47	29°56	17°16	6°59	22°38	2°21	2°22	15°53	5°24
T 25	12 10 29	4°26'57	2♌17	24°43	1°48	22° 2	9°42	29°55	17°14	6°59	22°38	2°21	2°18	16° 0	5°28
W26	12 14 26	5°26'38	15°32	26°33	3° 2	22°43	9°37	29°53	17°12	6°59	22°38	2°22	2°15	16° 7	5°31
T 27	12 18 22	6°26'17	29°12	28°25	4°15	23°25	9°32	29°51	17°11	7° 0	22°39	2°22	2°12	16°13	5°35
F 28	12 22 19	7°25'54	13♌17	0♏17	5°29	24° 6	9°26	29°50	17° 9	7° 0	22°39	2°22	2° 9	16°20	5°38
S 29	12 26 15	8°25'29	27°45	2°11	6°42	24°47	9°21	29°48	17° 7	7° 0	22°40	2°R22	2° 6	16°27	5°42
S 30	12 30 12	9°25'02	12♏30	4° 6	7°55	25°28	9°15	29°46	17° 5	7° 1	22°40	2°22	2° 2	16°33	5°45
M31	12 34 8	10♏24'34	27♏26	6♏2	9♄8	26♄9	9♌9	29♌44	17♌4	7♄1	22♏41	2♏22	1♏59	16♌40	5♌48

Delta T = 16m52s

APRIL 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 38 5	11♏24'03	12♄24	7♏59	10♄21	26♄51	9°R 3	29°R42	17°R 2	7♄2	22♏41	2°R21	1♏56	16♌47	5♌51
W 2	12 42 2	12°23'30	27°17	9°58	11°34	27°32	8♌57	29♌39	17♌0	7° 2	22°42	2♏20	1°53	16°53	5°54
T 3	12 45 58	13°22'55	11♏56	11°57	12°48	28°13	8°51	29°37	16°58	7° 3	22°42	2°19	1°50	17° 0	5°57
F 4	12 49 55	14°22'18	26°17	13°58	14° 0	28°54	8°45	29°35	16°56	7° 3	22°43	2°18	1°47	17° 7	6° 0
S 5	12 53 51	15°21'38	10♄17	15°59	15°13	29°35	8°38	29°32	16°54	7° 4	22°44	2°D17	1°43	17°13	6° 3
S 6	12 57 48	16°20'56	23°56	18° 2	16°26	0♏16	8°32	29°29	16°52	7° 4	22°44	2°17	1°40	17°20	6° 6
M 7	13 1 44	17°20'12	7♏14	20° 5	17°39	0°57	8°25	29°27	16°50	7° 5	22°45	2°18	1°37	17°27	6° 9
T 8	13 5 41	18°19'25	20°13	22° 8	18°52	1°38	8°18	29°24	16°48	7° 6	22°46	2°19	1°34	17°34	6°11
W 9	13 9 37	19°18'36	2♏55	24°12	20° 4	2°19	8°12	29°21	16°46	7° 7	22°46	2°21	1°31	17°40	6°14
T 10	13 13 34	20°17'45	15°24	26°16	21°17	2°59	8° 5	29°18	16°43	7° 7	22°47	2°22	1°28	17°47	6°17
F 11	13 17 31	21°16'51	27°41	28°20	22°30	3°40	7°58	29°15	16°41	7° 8	22°48	2°R23	1°24	17°54	6°19
S 12	13 21 27	22°15'56	9♌49	0♄23	23°42	4°21	7°51	29°12	16°39	7° 9	22°49	2°22	1°21	18° 0	6°21
S 13	13 25 24	23°14'58	21°50	2°25	24°54	5° 2	7°43	29° 9	16°37	7°10	22°49	2°21	1°18	18° 7	6°24
M14	13 29 20	24°13'59	3♌45	4°27	26° 7	5°42	7°36	29° 6	16°34	7°11	22°50	2°19	1°15	18°14	6°26
T 15	13 33 17	25°12'57	15°37	6°27	27°19	6°23	7°29	29° 2	16°32	7°12	22°51	2°16	1°12	18°20	6°28
W16	13 37 13	26°11'54	27°28	8°25	28°31	7° 4	7°21	28°59	16°30	7°12	22°52	2°12	1° 8	18°27	6°30
T 17	13 41 10	27°10'48	9♌19	10°21	29°43	7°44	7°14	28°56	16°27	7°13	22°53	2° 7	1° 5	18°34	6°32
F 18	13 45 6	28° 9'41	21°14	12°15	0♏55	8°25	7° 7	28°52	16°25	7°14	22°53	2° 3	1° 2	18°40	6°34
S 19	13 49 3	29° 8'33	3♄16	14° 6	2° 7	9° 5	6°59	28°49	16°23	7°15	22°54	2° 0	0°59	18°47	6°36
S 20	13 53 0	0♄7'22	15°28	15°54	3°19	9°46	6°52	28°45	16°20	7°17	22°55	1°58	0°56	18°54	6°38
M21	13 56 56	1° 6'10	27°55	17°38	4°31	10°26	6°44	28°41	16°18	7°18	22°56	1°D57	0°53	19° 0	6°40
T 22	14 0 53	2° 4'56	10♌40	19°18	5°43	11° 7	6°36	28°38	16°16	7°19	22°57	1°57	0°49	19° 7	6°41
W23	14 4 49	3° 3'40	23°47	20°54	6°55	11°47	6°29	28°34	16°13	7°20	22°58	1°58	0°46	19°14	6°43
T 24	14 8 46	4° 2'23	7♌21	22°27	8° 6	12°28	6°21	28°30	16°11	7°21	22°59	2° 0	0°43	19°21	6°45
F 25	14 12 42	5° 1'04	21°21	23°54	9°18	13° 8	6°13	28°26	16° 8	7°22	23° 0	2° 1	0°40	19°27	6°46
S 26	14 16 39	5°59'43	5♏48	25°17	10°30	13°48	6° 6	28°22	16° 6	7°24	23° 1	2°R 1	0°37	19°34	6°47
S 27	14 20 35	6°58'21	20°38	26°36	11°41	14°29	5°58	28°18	16° 3	7°25	23° 2	2° 0	0°33	19°41	6°49
M28	14 24 32	7°56'56	5♄44	27°49	12°52	15° 9	5°50	28°14	16° 1	7°26	23° 3	1°57	0°30	19°47	6°50
T 29	14 28 29	8°55'30	20°59	28°57	14° 4	15°49	5°43	28°10	15°58	7°27	23° 4	1°53	0°27	19°54	6°51
W30	14 32 25	9♄54'02	6♏10	0♏1	15♏15	16♏29	5♌35	28♌6	15♌56	7♄29	23♏5	1♏47	0♏24	20♌1	6♌52

Delta T = 16m52s

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SWISS EPHEMERIS for the year 2397

MAY 2397

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	14 36 22	10♌52'32	21♐ 9	0♐58	16♐26	17♐10	5°R27	28°R 2	15°R53	7♌30	23♐ 6	1°R42	0°Y21	20♐ 7	6♌53								
F 2	14 40 18	11°51'01	5♌47	1°51	17°37	17°50	5♐20	27♐57	15♐51	7°32	23° 7	1°Y37	0°18	20°14	6°54								
S 3	14 44 15	12°49'26	19°59	2°38	18°48	18°30	5°12	27°53	15°48	7°33	23° 8	1°33	0°14	20°21	6°55								
S 4	14 48 11	13°47'50	3♌43	3°20	19°59	19°10	5° 5	27°49	15°45	7°35	23° 9	1°31	0°11	20°27	6°56								
M 5	14 52 8	14°46'12	17° 1	3°56	21°10	19°50	4°57	27°45	15°43	7°36	23°10	1°D30	0° 8	20°34	6°56								
T 6	14 56 4	15°44'31	29°55	4°27	22°20	20°30	4°50	27°40	15°40	7°37	23°12	1°31	0° 5	20°41	6°57								
W 7	15 0 1	16°42'49	12♐29	4°52	23°31	21°10	4°42	27°36	15°38	7°39	23°13	1°32	0° 2	20°48	6°57								
T 8	15 3 58	17°41'04	24°47	5°12	24°41	21°50	4°35	27°32	15°35	7°41	23°14	1°34	29°X59	20°54	6°58								
F 9	15 7 54	18°39'17	6♌53	5°26	25°52	22°30	4°28	27°27	15°33	7°42	23°15	1°R34	29°55	21° 1	6°58								
S 10	15 11 51	19°37'29	18°51	5°35	27° 2	23°10	4°20	27°23	15°30	7°44	23°16	1°32	29°52	21° 8	6°59								
S 11	15 15 47	20°35'38	0♐44	5°R38	28°12	23°50	4°13	27°18	15°28	7°45	23°17	1°28	29°49	21°14	6°59								
M12	15 19 44	21°33'46	12°35	5°36	29°22	24°30	4° 6	27°14	15°25	7°47	23°19	1°22	29°46	21°21	6°59								
T13	15 23 40	22°31'53	24°25	5°30	0♌32	25° 9	3°59	27° 9	15°23	7°49	23°20	1°14	29°43	21°28	6°R59								
W14	15 27 37	23°29'57	6♌17	5°18	1°42	25°49	3°52	27° 5	15°20	7°50	23°21	1° 4	29°39	21°34	6°59								
T15	15 31 33	24°28'00	18°13	5° 2	2°52	26°29	3°45	27° 0	15°18	7°52	23°22	0°54	29°36	21°41	6°59								
F16	15 35 30	25°26'02	0♌13	4°42	4° 2	27° 9	3°39	26°56	15°15	7°54	23°24	0°44	29°33	21°48	6°59								
S17	15 39 27	26°24'02	12°19	4°18	5°11	27°48	3°32	26°51	15°13	7°56	23°25	0°36	29°30	21°54	6°58								
S18	15 43 23	27°22'01	24°35	3°50	6°21	28°28	3°26	26°47	15°10	7°57	23°26	0°29	29°27	22° 1	6°58								
M19	15 47 20	28°19'58	7♌ 4	3°20	7°30	29° 8	3°19	26°42	15° 8	7°59	23°27	0°24	29°24	22° 8	6°58								
T20	15 51 16	29°17'54	19°47	2°48	8°39	29°47	3°13	26°38	15° 5	8° 1	23°29	0°22	29°20	22°15	6°57								
W21	15 55 13	0♐15'49	2♌50	2°14	9°49	0♌27	3° 7	26°33	15° 3	8° 3	23°30	0°D22	29°17	22°21	6°57								
T22	15 59 9	1°13'43	16°15	1°39	10°58	1° 6	3° 1	26°29	15° 0	8° 5	23°31	0°22	29°14	22°28	6°56								
F23	16 3 6	2°11'35	0°Y 5	1° 4	12° 6	1°46	2°55	26°24	14°58	8° 7	23°32	0°R23	29°11	22°35	6°55								
S24	16 7 2	3° 9'26	14°22	0°29	13°15	2°25	2°49	26°20	14°56	8° 8	23°34	0°22	29° 8	22°41	6°55								
S25	16 10 59	4° 7'16	29° 3	29♌55	14°24	3° 5	2°43	26°15	14°53	8°10	23°35	0°19	29° 5	22°48	6°54								
M26	16 14 56	5° 5'05	14♌ 4	29°22	15°32	3°44	2°37	26°11	14°51	8°12	23°36	0°14	29° 1	22°55	6°53								
T27	16 18 52	6° 2'53	29°17	28°51	16°41	4°24	2°32	26° 7	14°49	8°14	23°38	0° 6	28°58	23° 1	6°52								
W28	16 22 49	7° 0'39	14♐13	28°22	17°49	5° 3	2°27	26° 2	14°46	8°16	23°39	29°X57	28°55	23° 8	6°51								
T29	16 26 45	7°58'24	29°40	27°57	18°57	5°43	2°22	25°58	14°44	8°18	23°40	29°47	28°52	23°15	6°50								
F30	16 30 42	8°56'08	14♌27	27°34	20° 5	6°22	2°17	25°54	14°42	8°20	23°42	29°38	28°49	23°21	6°48								
S31	16 34 38	9♐53'50	28♌49	27♌15	21♌13	7♌ 1	2♐12	25♐49	14♐39	8♌22	23♐43	29°X30	28°X45	23♐28	6♌47								

Delta T = 16m53s

JUNE 2397

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	16 38 35	10♐51'31	12♌42	27°R 1	22♌21	7♌41	2°R 7	25°R45	14°R37	8♌24	23♐44	29°R25	28°X42	23♐35	6°R46								
M 2	16 42 32	11°49'10	26° 5	26♌50	23°28	8°20	2♐ 2	25♐41	14♐35	8°26	23°46	29°X22	28°39	23°42	6°R44								
T 3	16 46 28	12°46'48	9♐ 1	26°43	24°36	8°59	1°58	25°37	14°33	8°28	23°47	29°D21	28°36	23°48	6°43								
W 4	16 50 25	13°44'24	21°34	26°D41	25°43	9°38	1°54	25°32	14°31	8°30	23°49	29°21	28°33	23°55	6°41								
T 5	16 54 21	14°41'59	3♌49	26°43	26°50	10°18	1°50	25°28	14°29	8°32	23°50	29°R21	28°30	24° 2	6°40								
F 6	16 58 18	15°39'32	15°51	26°50	27°57	10°57	1°46	25°24	14°27	8°34	23°51	29°20	28°26	24° 8	6°38								
S 7	17 2 14	16°37'04	27°45	27° 2	29° 4	11°36	1°42	25°20	14°25	8°37	23°53	29°17	28°23	24°15	6°36								
S 8	17 6 11	17°34'35	9♐35	27°17	0♌10	12°15	1°38	25°16	14°23	8°39	23°54	29°11	28°20	24°22	6°34								
M 9	17 10 7	18°32'04	21°25	27°37	1°17	12°54	1°35	25°12	14°21	8°41	23°56	29° 3	28°17	24°28	6°32								
T10	17 14 4	19°29'33	3♌16	28° 2	2°23	13°33	1°32	25° 8	14°19	8°43	23°57	28°52	28°14	24°35	6°30								
W11	17 18 1	20°27'01	15°13	28°31	3°29	14°12	1°29	25° 4	14°17	8°45	23°58	28°39	28°11	24°42	6°28								
T12	17 21 57	21°24'27	27°15	29° 4	4°35	14°51	1°26	25° 1	14°15	8°47	24° 0	28°26	28° 7	24°49	6°26								
F13	17 25 54	22°21'53	9♌24	29°41	5°40	15°30	1°23	24°57	14°13	8°49	24° 1	28°13	28° 4	24°55	6°24								
S14	17 29 50	23°19'18	21°41	0♐22	6°46	16° 9	1°21	24°53	14°11	8°51	24° 2	28° 1	28° 1	25° 2	6°22								
S15	17 33 47	24°16'42	4♌ 7	1° 7	7°51	16°48	1°18	24°49	14°10	8°54	24° 4	27°51	27°58	25° 9	6°20								
M16	17 37 43	25°14'05	16°44	1°56	8°56	17°27	1°16	24°46	14° 8	8°56	24° 5	27°44	27°55	25°15	6°17								
T17	17 41 40	26°11'28	29°34	2°49	10° 1	18° 6	1°14	24°42	14° 6	8°58	24° 7	27°40	27°51	25°22	6°15								
W18	17 45 36	27° 8'50	12♌39	3°45	11° 5	18°45	1°12	24°39	14° 5	9° 0	24° 8	27°39	27°48	25°29	6°12								
T19	17 49 33	28° 6'12	26° 2	4°45	12°10	19°24	1°10	24°36	14° 3	9° 2	24° 9	27°38	27°45	25°35	6°10								
F20	17 53 30	29° 3'33	9°Y45	5°49	13°14	20° 3	1° 9	24°32	14° 1	9° 5	24°11	27°38	27°42	25°42	6° 7								
S21	17 57 26	0♌ 5'54	23°50	6°56	14°18	20°42	1° 7	24°29	14° 0	9° 7	24°12	27°37	27°39	25°49	6° 5								
S22	18 1 23	0°58'15	8♌17	8° 6	15°22	21°21	1° 6	24°26	13°58	9° 9	24°14	27°34	27°36	25°56	6° 2								
M23	18 5 19	1°55'35	23° 2	9°20	16°25	21°59	1° 5	24°23	13°57	9°11	24°15	27°28	27°32	26° 2	5°59								
T24	18 9 16	2°52'55	8♐ 1	10°37	17°28	22°38	1° 5	24°20	13°56	9°13	24°16	27°19	27°29	26° 9	5°57								
W25	18 13 12	3°50'15	23° 4	11°58	18°31	23°17	1° 4	24°17	13°54	9°16	24°18	27° 9	27°26	26°16	5°54								
T26	18 17 9	4°47'34	8♌ 2	13°22	19°34	23°56	1° 4	24°14	13°53	9°18	24°19	26°58	27°23	26°22	5°51								
F27	18 21 6	5°44'53	22°45	14°48	20°36	24°35	1° 3	24°11	13°52	9°20	24°21	26°48	27°20	26°29	5°48								
S28	18 25 2	6°42'11	7♌ 7	16°19	21°38	25°13	1°D 3	24° 8	13°50	9°22	24°22	26°39	27°17	26°36	5°45								
S29	18 28 59	7°39'28	21° 2	17°52	22°40	25°52	1° 3	24° 6	13°49	9°25	24°23	26°33	27°13	26°43	5°42								
M30	18 32 55	8♌36'45	4♐28	19♐28	23♐04	26♌31	1♐ 4	24♐ 3	13♐48	9♌27	24♐25	26°X29	27°X10	26♐49	5♌39								

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SWISS EPHEMERIS for the year 2397

JULY 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	18 36 52	9 ^h 34'01	17 ^m 28	21 ^{II} 8	24 [♈] 43	27 [♉] 9	1 ^m 4	24 ^{°R} 1	13 ^{°R} 47	9 [♊] 29	24 ^{II} 26	26 ^{°R} 27	27 [♋] 7	26 ^m 56	5 ^{°R} 36		
W 2	18 40 48	10 ^h 31'16	0 [♌] 4	22 [°] 50	25 [°] 43	27 [°] 48	1 [°] 5	23 ^m 58	13 ^m 46	9 [°] 31	24 [°] 27	26 ^{°D} 27	27 [°] 4	27 [°] 3	5 [♌] 33		
T 3	18 44 45	11 ^h 28'31	12 [°] 20	24 [°] 36	26 [°] 44	28 [°] 27	1 [°] 6	23 [°] 56	13 [°] 45	9 [°] 34	24 [°] 29	26 ^{°R} 27	27 [°] 1	27 [°] 9	5 [°] 30		
F 4	18 48 41	12 ^h 25'45	24 [°] 23	26 [°] 24	27 [°] 44	29 [°] 5	1 [°] 7	23 [°] 54	13 [°] 44	9 [°] 36	24 [°] 30	26 [♋] 27	26 [°] 57	27 [°] 16	5 [°] 27		
S 5	18 52 38	13 ^h 22'59	6 ^m 17	28 [°] 15	28 [°] 44	29 [°] 44	1 [°] 8	23 [°] 52	13 [°] 43	9 [°] 38	24 [°] 31	26 [°] 24	26 [°] 54	27 [°] 23	5 [°] 23		
S 6	18 56 35	14 ^h 20'12	18 [°] 8	0 [♍] 9	29 [°] 43	0 [♎] 23	1 [°] 9	23 [°] 49	13 [°] 42	9 [°] 40	24 [°] 33	26 [°] 20	26 [°] 51	27 [°] 29	5 [°] 20		
M 7	19 0 31	15 ^h 17'25	29 [°] 59	2 [°] 6	0 ^m 42	1 [°] 1	1 [°] 11	23 [°] 47	13 [°] 42	9 [°] 43	24 [°] 34	26 [°] 13	26 [°] 48	27 [°] 36	5 [°] 17		
T 8	19 4 28	16 ^h 14'38	11 [♌] 54	4 [°] 5	1 [°] 41	1 [°] 41	1 [°] 13	23 [°] 46	13 [°] 41	9 [°] 45	24 [°] 35	26 [°] 3	26 [°] 45	27 [°] 43	5 [°] 13		
W 9	19 8 24	17 ^h 11'50	23 [°] 56	6 [°] 6	2 [°] 39	2 [°] 18	1 [°] 14	23 [°] 44	13 [°] 40	9 [°] 47	24 [°] 37	25 [°] 52	26 [°] 42	27 [°] 50	5 [°] 10		
T 10	19 12 21	18 ^h 9'03	6 [♌] 7	8 [°] 9	3 [°] 37	2 [°] 57	1 [°] 17	23 [°] 42	13 [°] 40	9 [°] 49	24 [°] 38	25 [°] 40	26 [°] 38	27 [°] 56	5 [°] 7		
F 11	19 16 17	19 ^h 6'15	18 [°] 28	10 [°] 14	4 [°] 34	3 [°] 35	1 [°] 19	23 [°] 40	13 [°] 39	9 [°] 51	24 [°] 39	25 [°] 28	26 [°] 35	28 [°] 3	5 [°] 3		
S 12	19 20 14	20 ^h 3'27	1 [♌] 0	12 [°] 21	5 [°] 31	4 [°] 14	1 [°] 21	23 [°] 39	13 [°] 38	9 [°] 54	24 [°] 40	25 [°] 18	26 [°] 32	28 [°] 10	5 [°] 0		
S 13	19 24 10	21 ^h 0'39	13 [°] 42	14 [°] 28	6 [°] 28	4 [°] 52	1 [°] 24	23 [°] 38	13 [°] 38	9 [°] 56	24 [°] 42	25 [°] 10	26 [°] 29	28 [°] 16	4 [°] 56		
M14	19 28 7	21 ^h 57'51	26 [°] 35	16 [°] 37	7 [°] 24	5 [°] 31	1 [°] 27	23 [°] 36	13 [°] 38	9 [°] 58	24 [°] 43	25 [°] 4	26 [°] 26	28 [°] 23	4 [°] 53		
T 15	19 32 4	22 ^h 55'04	9 [♋] 40	18 [°] 46	8 [°] 19	6 [°] 9	1 [°] 29	23 [°] 35	13 [°] 37	10 [°] 0	24 [°] 44	25 [°] 1	26 [°] 23	28 [°] 30	4 [°] 50		
W16	19 36 0	23 ^h 52'16	22 [°] 58	20 [°] 56	9 [°] 14	6 [°] 48	1 [°] 33	23 [°] 34	13 [°] 37	10 [°] 2	24 [°] 46	25 ^{°D} 0	26 [°] 19	28 [°] 37	4 [°] 46		
T 17	19 39 57	24 ^h 49'29	6 [♌] 28	23 [°] 6	10 [°] 9	7 [°] 26	1 [°] 36	23 [°] 33	13 [°] 37	10 [°] 5	24 [°] 47	25 [°] 0	26 [°] 16	28 [°] 43	4 [°] 43		
F 18	19 43 53	25 ^h 46'43	20 [°] 13	25 [°] 16	11 [°] 3	8 [°] 5	1 [°] 39	23 [°] 32	13 [°] 36	10 [°] 7	24 [°] 48	25 ^{°R} 1	26 [°] 13	28 [°] 50	4 [°] 39		
S 19	19 47 50	26 ^h 43'57	4 [♌] 13	27 [°] 25	11 [°] 56	8 [°] 43	1 [°] 43	23 [°] 31	13 [°] 36	10 [°] 9	24 [°] 49	25 [°] 0	26 [°] 10	28 [°] 57	4 [°] 35		
S 20	19 51 46	27 ^h 41'12	18 [°] 28	29 [°] 33	12 [°] 49	9 [°] 21	1 [°] 47	23 [°] 30	13 [°] 36	10 [°] 11	24 [°] 50	24 [°] 59	26 [°] 7	29 [°] 3	4 [°] 32		
M21	19 55 43	28 ^h 38'27	2 ^{II} 55	1 [♈] 41	13 [°] 41	10 [°] 0	1 [°] 51	23 [°] 29	13 [°] 36	10 [°] 13	24 [°] 52	24 [°] 55	26 [°] 3	29 [°] 10	4 [°] 28		
T 22	19 59 39	29 ^h 35'43	17 [°] 32	3 [°] 47	14 [°] 33	10 [°] 38	1 [°] 55	23 [°] 29	13 [°] D36	10 [°] 15	24 [°] 53	24 [°] 49	26 [°] 0	29 [°] 17	4 [°] 25		
W23	20 3 36	0 [♈] 32'59	2 [♌] 12	5 [°] 53	15 [°] 24	11 [°] 17	1 [°] 59	23 [°] 28	13 [°] 36	10 [°] 17	24 [°] 54	24 [°] 41	25 [°] 57	29 [°] 23	4 [°] 21		
T 24	20 7 33	1 ^h 30'16	16 [°] 48	7 [°] 57	16 [°] 14	11 [°] 55	2 [°] 3	23 [°] 28	13 [°] 36	10 [°] 20	24 [°] 55	24 [°] 33	25 [°] 54	29 [°] 30	4 [°] 18		
F 25	20 11 29	2 ^h 27'34	1 [♈] 14	9 [°] 59	17 [°] 4	12 [°] 33	2 [°] 8	23 [°] 28	13 [°] 36	10 [°] 22	24 [°] 56	24 [°] 25	25 [°] 51	29 [°] 37	4 [°] 14		
S 26	20 15 26	3 ^h 24'51	15 [°] 22	12 [°] 0	17 [°] 53	13 [°] 12	2 [°] 13	23 [°] 28	13 [°] 36	10 [°] 24	24 [°] 57	24 [°] 19	25 [°] 48	29 [°] 44	4 [°] 10		
S 27	20 19 22	4 ^h 22'10	29 [°] 8	13 [°] 59	18 [°] 41	13 [°] 50	2 [°] 17	23 ^{°D} 27	13 [°] 37	10 [°] 26	24 [°] 59	24 [°] 14	25 [°] 44	29 [°] 50	4 [°] 7		
M28	20 23 19	5 ^h 19'28	12 ^m 31	15 [°] 57	19 [°] 28	14 [°] 28	2 [°] 22	23 [°] 27	13 [°] 37	10 [°] 28	25 [°] 0	24 [°] 11	25 [°] 41	29 [°] 57	4 [°] 3		
T 29	20 27 15	6 ^h 16'47	25 [°] 30	17 [°] 53	20 [°] 15	15 [°] 7	2 [°] 28	23 [°] 28	13 [°] 37	10 [°] 30	25 [°] 1	24 ^{°D} 11	25 [°] 38	0 [♌] 4	4 [°] 0		
W30	20 31 12	7 ^h 14'06	8 [♌] 6	19 [°] 47	21 [°] 1	15 [°] 45	2 [°] 33	23 [°] 28	13 [°] 38	10 [°] 32	25 [°] 2	24 [°] 11	25 [°] 35	0 [°] 10	3 [°] 56		
T 31	20 35 8	8 ^h 11'25	20 [♌] 25	21 [♈] 40	21 ^m 46	16 [♈] 23	2 ^m 38	23 ^m 28	13 ^m 38	10 [♊] 34	25 ^{II} 3	24 [♋] 13	25 [♋] 32	0 [♌] 17	3 [♌] 52		

Delta T = 16m53s

AUGUST 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	20 39 5	9 ^h 8'45	2 ^m 30	23 [♈] 31	22 ^m 30	17 [♈] 2	2 ^m 44	23 ^m 28	13 ^m 39	10 [♊] 36	25 ^{II} 4	24 [♋] 14	25 [♋] 29	0 [♌] 24	3 ^{°R} 49		
S 2	20 43 2	10 ^h 6'05	14 [°] 26	25 [°] 20	23 [°] 13	17 [°] 40	2 [°] 50	23 [°] 29	13 [°] 39	10 [°] 38	25 [°] 5	24 ^{°R} 14	25 [°] 25	0 [°] 31	3 [♌] 45		
S 3	20 46 58	11 ^h 3'26	26 [°] 18	27 [°] 7	23 [°] 55	18 [°] 18	2 [°] 56	23 [°] 29	13 [°] 40	10 [°] 40	25 [°] 6	24 [°] 12	25 [°] 22	0 [°] 37	3 [°] 42		
M 4	20 50 55	12 ^h 0'47	8 [♌] 11	28 [°] 53	24 [°] 36	18 [°] 56	3 [°] 2	23 [°] 30	13 [°] 40	10 [°] 42	25 [°] 7	24 [°] 9	25 [°] 19	0 [°] 44	3 [°] 38		
T 5	20 54 51	12 ^h 58'08	20 [°] 9	0 ^m 37	25 [°] 16	19 [°] 35	3 [°] 8	23 [°] 31	13 [°] 41	10 [°] 44	25 [°] 8	24 [°] 5	25 [°] 16	0 [°] 51	3 [°] 35		
W 6	20 58 48	13 ^h 55'30	2 [♌] 17	2 [°] 19	25 [°] 55	20 [°] 13	3 [°] 14	23 [°] 32	13 [°] 42	10 [°] 46	25 [°] 9	23 [°] 58	25 [°] 13	0 [°] 57	3 [°] 31		
T 7	21 2 44	14 ^h 52'53	14 [°] 35	4 [°] 0	26 [°] 33	20 [°] 51	3 [°] 21	23 [°] 33	13 [°] 43	10 [°] 48	25 [°] 10	23 [°] 52	25 [°] 9	1 [°] 4	3 [°] 28		
F 8	21 6 41	15 ^h 50'17	27 [°] 8	5 [°] 38	27 [°] 10	21 [°] 29	3 [°] 28	23 [°] 34	13 [°] 43	10 [°] 50	25 [°] 11	23 [°] 45	25 [°] 6	1 [°] 11	3 [°] 24		
S 9	21 10 37	16 ^h 47'41	9 [♌] 54	7 [°] 16	27 [°] 45	22 [°] 8	3 [°] 34	23 [°] 35	13 [°] 44	10 [°] 52	25 [°] 12	23 [°] 39	25 [°] 3	1 [°] 18	3 [°] 21		
S 10	21 14 34	17 ^h 45'06	22 [°] 56	8 [°] 51	28 [°] 19	22 [°] 46	3 [°] 41	23 [°] 36	13 [°] 45	10 [°] 54	25 [°] 13	23 [°] 35	25 [°] 0	1 [°] 24	3 [°] 17		
M11	21 18 31	18 ^h 42'32	6 [♋] 10	10 [°] 25	28 [°] 52	23 [°] 24	3 [°] 48	23 [°] 38	13 [°] 46	10 [°] 55	25 [°] 14	23 [°] 32	24 [°] 57	1 [°] 31	3 [°] 14		
T 12	21 22 27	19 ^h 39'58	19 [°] 38	11 [°] 57	29 [°] 24	24 [°] 2	3 [°] 55	23 [°] 39	13 [°] 47	10 [°] 57	25 [°] 15	23 ^{°D} 31	24 [°] 54	1 [°] 38	3 [°] 10		
W13	21 26 24	20 ^h 37'26	3 [♌] 17	13 [°] 27	29 [°] 54	24 [°] 41	4 [°] 3	23 [°] 41	13 [°] 49	10 [°] 59	25 [°] 15	23 [°] 31	24 [°] 50	1 [°] 44	3 [°] 7		
T 14	21 30 20	21 ^h 34'55	17 [°] 6	14 [°] 56	0 [♌] 22	25 [°] 19	4 [°] 10	23 [°] 42	13 [°] 50	11 [°] 1	25 [°] 16	23 [°] 32	24 [°] 47	1 [°] 51	3 [°] 4		
F 15	21 34 17	22 ^h 32'26	1 [♌] 3	16 [°] 23	0 [°] 49	25 [°] 57	4 [°] 18	23 [°] 44	13 [°] 51	11 [°] 3	25 [°] 17	23 [°] 33	24 [°] 44	1 [°] 58	3 [°] 0		
S 16	21 38 13	23 ^h 29'58	15 [°] 9	17 [°] 48	1 [°] 15	26 [°] 35	4 [°] 25	23 [°] 46	13 [°] 52	11 [°] 4	25 [°] 18	23 [°] 35	24 [°] 41	2 [°] 5	2 [°] 57		
S 17	21 42 10	2															

SWISS EPHEMERIS for the year 2397

SEPTEMBER 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	22 41 18	8♄53'29	16♂7 8	5♁55	3♁R42	6♄46	6♄44	24♄28	14♄19	11♁30	25♄29	23♁R21	23♁50	3♁52	2♁R10		
T 2	22 45 15	9°51'23	28° 7	6°41	3♁32	7°24	6°54	24°31	14°21	11°31	25°29	23♁21	23°47	3°59	2♁ 8		
W 3	22 49 11	10°49'18	10♂16	7°23	3°20	8° 3	7° 3	24°35	14°23	11°32	25°30	23°19	23°44	4° 5	2° 5		
T 4	22 53 8	11°47'14	22°38	8° 1	3° 6	8°41	7°13	24°38	14°25	11°34	25°30	23°18	23°41	4°12	2° 3		
F 5	22 57 4	12°45'12	5♁18	8°36	2°49	9°19	7°23	24°42	14°28	11°35	25°31	23°16	23°37	4°19	2° 1		
S 6	23 1 1	13°43'11	18°16	9° 6	2°30	9°57	7°33	24°45	14°30	11°36	25°31	23°15	23°34	4°26	1°58		
S 7	23 4 58	14°41'11	1♁33	9°32	2° 9	10°35	7°43	24°49	14°32	11°37	25°31	23°14	23°31	4°32	1°56		
M 8	23 8 54	15°39'13	15° 9	9°53	1°45	11°13	7°53	24°53	14°35	11°39	25°32	23°14	23°28	4°39	1°54		
T 9	23 12 51	16°37'16	29° 1	10° 9	1°19	11°52	8° 3	24°57	14°37	11°40	25°32	23°D14	23°25	4°46	1°52		
W10	23 16 47	17°35'22	13♄7	10°20	0°52	12°30	8°14	25° 1	14°39	11°41	25°32	23°14	23°21	4°52	1°50		
T 11	23 20 44	18°33'28	27°22	10°R25	0°22	13° 8	8°24	25° 5	14°42	11°42	25°33	23°14	23°18	4°59	1°48		
F 12	23 24 40	19°31'37	11♁43	10°24	29♄51	13°46	8°35	25° 9	14°44	11°43	25°33	23°15	23°15	5° 6	1°46		
S 13	23 28 37	20°29'48	26° 4	10°17	29°19	14°24	8°45	25°13	14°47	11°44	25°33	23°15	23°12	5°13	1°44		
S 14	23 32 33	21°28'01	10♄24	10° 4	28°45	15° 2	8°56	25°18	14°49	11°45	25°34	23°15	23° 9	5°19	1°42		
M15	23 36 30	22°26'16	24°37	9°44	28°10	15°41	9° 6	25°22	14°52	11°46	25°34	23°R15	23° 6	5°26	1°41		
T 16	23 40 27	23°24'34	8♁42	9°18	27°34	16°19	9°17	25°27	14°55	11°47	25°34	23°D15	23° 2	5°33	1°39		
W17	23 44 23	24°22'53	22°38	8°45	26°58	16°57	9°28	25°31	14°57	11°48	25°34	23°15	22°59	5°39	1°37		
T 18	23 48 20	25°21'14	6♁22	8° 6	26°21	17°35	9°39	25°36	15° 0	11°49	25°34	23°16	22°56	5°46	1°36		
F 19	23 52 16	26°19'37	19°54	7°21	25°44	18°13	9°50	25°40	15° 3	11°50	25°35	23°16	22°53	5°53	1°34		
S 20	23 56 13	27°18'02	3♄12	6°30	25° 7	18°52	10° 1	25°45	15° 6	11°51	25°35	23°16	22°50	6° 0	1°33		
S 21	0 0 9	28°16'29	16°17	5°35	24°30	19°30	10°13	25°50	15° 8	11°52	25°35	23°16	22°47	6° 6	1°32		
M22	0 4 6	29°14'58	29° 8	4°36	23°54	20° 8	10°24	25°55	15°11	11°52	25°35	23°R16	22°43	6°13	1°30		
T 23	0 8 2	0♁13'29	11♁45	3°34	23°18	20°46	10°35	26° 0	15°14	11°53	25°35	23°16	22°40	6°20	1°29		
W24	0 11 59	1°12'02	24° 9	2°31	22°44	21°25	10°47	26° 5	15°17	11°54	25°35	23°15	22°37	6°26	1°28		
T 25	0 15 56	2°10'36	6♄22	1°28	22°11	22° 3	10°58	26°10	15°20	11°55	25°R35	23°14	22°34	6°33	1°27		
F 26	0 19 52	3° 9'13	18°24	0°26	21°39	22°41	11°10	26°15	15°23	11°55	25°35	23°13	22°31	6°40	1°26		
S 27	0 23 49	4° 7'51	0♁20	29♄28	21° 8	23°19	11°21	26°20	15°26	11°56	25°35	23°11	22°27	6°47	1°25		
S 28	0 27 45	5° 6'30	12°12	28°34	20°40	23°58	11°33	26°26	15°29	11°56	25°35	23°10	22°24	6°53	1°24		
M29	0 31 42	6° 5'12	24° 4	27°46	20°13	24°36	11°45	26°31	15°32	11°57	25°35	23° 9	22°21	7° 0	1°24		
T 30	0 35 38	7♁ 3'55	6♁ 2	27♄ 6	19♄48	25♄14	11♄57	26♄36	15♄35	11♁57	25♄35	23°D 9	22♁18	7♁ 7	1♁23		

Delta T = 16m54s

OCTOBER 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	0 39 35	8♁ 2'40	18♂ 9	26°R34	19°R26	25♄52	12♄ 8	26♄42	15♄39	11♁58	25°R35	23♁ 9	22♁15	7♁13	1°R22		
T 2	0 43 31	9° 1'26	0♁30	26♄11	19♄ 5	26°31	12°20	26°47	15°42	11°58	25°R34	23°10	22°12	7°20	1♁22		
F 3	0 47 28	10° 0'15	13° 9	25°58	18°47	27° 9	12°32	26°53	15°45	11°59	25°34	23°11	22° 8	7°27	1°22		
S 4	0 51 25	10°59'05	26°10	25°D55	18°31	27°47	12°44	26°58	15°48	11°59	25°34	23°13	22° 5	7°34	1°21		
S 5	0 55 21	11°57'56	9♁35	26° 2	18°18	28°25	12°56	27° 4	15°51	12° 0	25°34	23°14	22° 2	7°40	1°21		
M 6	0 59 18	12°56'50	23°24	26°19	18° 7	29° 4	13° 9	27°10	15°55	12° 0	25°34	23°R14	21°59	7°47	1°21		
T 7	1 3 14	13°55'45	7♄36	26°46	17°59	29°42	13°21	27°16	15°58	12° 0	25°33	23°13	21°56	7°54	1°21		
W 8	1 7 11	14°54'42	22° 7	27°22	17°52	0♁20	13°33	27°22	16° 1	12° 0	25°33	23°12	21°52	8° 0	1°D21		
T 9	1 11 7	15°53'42	6♁50	28° 7	17°49	0°59	13°45	27°27	16° 5	12° 1	25°33	23° 9	21°49	8° 7	1°21		
F 10	1 15 4	16°52'43	21°39	29° 1	17°D48	1°37	13°58	27°33	16° 8	12° 1	25°33	23° 6	21°46	8°14	1°21		
S 11	1 19 0	17°51'47	6♄25	0♁ 2	17°49	2°15	14°10	27°39	16°12	12° 1	25°32	23° 3	21°43	8°21	1°21		
S 12	1 22 57	18°50'53	21° 2	1°10	17°52	2°54	14°22	27°45	16°15	12° 1	25°32	23° 0	21°40	8°27	1°21		
M13	1 26 53	19°50'02	5♁25	2°24	17°58	3°32	14°35	27°51	16°18	12° 1	25°32	22°58	21°37	8°34	1°21		
T 14	1 30 50	20°49'13	19°30	3°43	18° 6	4°10	14°47	27°58	16°22	12° 1	25°31	22°D57	21°33	8°41	1°22		
W15	1 34 47	21°48'26	3♄17	5° 7	18°17	4°49	15° 0	28° 4	16°25	12°R 1	25°31	22°58	21°30	8°48	1°22		
T 16	1 38 43	22°47'41	16°45	6°34	18°29	5°27	15°13	28°10	16°29	12° 1	25°30	22°59	21°27	8°54	1°23		
F 17	1 42 40	23°46'59	29°57	8° 5	18°44	6° 6	15°25	28°16	16°32	12° 1	25°30	23° 1	21°24	9° 1	1°24		
S 18	1 46 36	24°46'19	12♄53	9°39	19° 1	6°44	15°38	28°23	16°36	12° 1	25°29	23° 2	21°21	9° 8	1°24		
S 19	1 50 33	25°45'41	25°36	11°16	19°19	7°22	15°51	28°29	16°40	12° 1	25°29	23°R 2	21°18	9°14	1°25		
M20	1 54 29	26°45'05	8♁ 8	12°54	19°40	8° 1	16° 3	28°35	16°43	12° 1	25°28	23° 1	21°14	9°21	1°26		
T 21	1 58 26	27°44'31	20°29	14°33	20° 2	8°39	16°16	28°42	16°47	12° 1	25°28	22°59	21°11	9°28	1°27		
W22	2 2 22	28°43'59	2♄42	16°14	20°27	9°18	16°29	28°48	16°50	12° 0	25°27	22°54	21° 8	9°35	1°28		
T 23	2 6 19	29°43'30	14°46	17°55	20°53	9°56	16°42	28°55	16°54	12° 0	25°27	22°48	21° 5	9°41	1°29		
F 24	2 10 16	0♄43'02	26°44	19°37	21°20	10°35	16°55	29° 1	16°58	12° 0	25°26	22°41	21° 2	9°48	1°30		
S 25	2 14 12	1°42'37	8♁38	21°20	21°49	11°13	17° 8	29° 8	17° 1	12° 0	25°25	22°33	20°58	9°55	1°31		
S 26	2 18 9	2°42'13	20°29	23° 2	22°20	11°51	17°20	29°15	17° 5	11°59	25°25	22°26	20°55	10° 1	1°33		
M27	2 22 5	3°41'51	2♁20	24°45	22°52	12°30	17°33	29°21	17° 9	11°59	25°24	22°20	20°52	10° 8	1°34		
T 28	2 26 2	4°41'31	14°16	26°28	23°26	13° 8	17°46	29°28	17°12	11°58	25°24	22°16	20°49	10°15	1°36		
W29	2 29 58	5°41'12	26°19	28°10	24° 1	13°47	17°59	29°35	17°16	11°58	25°23	22°14	20°46	10°22	1°37		
T 30	2 33 55	6°40'56	8♁35	29°52	24°37	14°25	18°12	29°41	17°20	11°58	25°22	22°D13	20°43	10°28	1°39		
F 31	2 37 51	7♄40'40	21♁ 9	1♄34	25♄15	15♁ 4	18♄25	29♄48	17♄23	11♁57	25♄21	22♁14	20♁39	10♁35	1♁41		

Delta T = 16m54s

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SWISS EPHEMERIS for the year 2397

NOVEMBER 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	2 41 48	8♏40'27	4♋5	3♏16	25♏54	15♏42	18♏39	29♏55	17♏27	11°R56	25°R21	22♋16	20♋36	10♏42	1♏42		
S 2	2 45 45	9°40'15	17°27	4°57	26°34	16°21	18°52	0♏2	17°31	11♏56	25♏20	22°R17	20°33	10°48	1°44		
M 3	2 49 41	10°40'05	1°17	6°37	27°16	16°59	19°5	0°9	17°35	11°55	25°19	22°16	20°30	10°55	1°46		
T 4	2 53 38	11°39'56	15°36	8°18	27°58	17°38	19°18	0°16	17°38	11°55	25°18	22°14	20°27	11°2	1°48		
W 5	2 57 34	12°39'50	0♏19	9°57	28°41	18°17	19°31	0°23	17°42	11°54	25°18	22°10	20°24	11°9	1°50		
T 6	3 1 31	13°39'45	15°21	11°37	29°26	18°55	19°44	0°29	17°46	11°53	25°17	22°3	20°20	11°15	1°52		
F 7	3 5 27	14°39'42	0♏33	13°15	0♏12	19°34	19°57	0°36	17°50	11°53	25°16	21°55	20°17	11°22	1°54		
S 8	3 9 24	15°39'42	15°44	14°54	0°58	20°12	20°10	0°43	17°53	11°52	25°15	21°47	20°14	11°29	1°57		
S 9	3 13 20	16°39'43	0♏44	16°32	1°46	20°51	20°24	0°50	17°57	11°51	25°14	21°39	20°11	11°36	1°59		
M10	3 17 17	17°39'46	15°24	18°9	2°34	21°30	20°37	0°57	18°1	11°50	25°13	21°33	20°8	11°42	2°1		
T11	3 21 14	18°39'52	29°40	19°46	3°23	22°8	20°50	1°4	18°5	11°49	25°13	21°29	20°4	11°49	2°4		
W12	3 25 10	19°39'59	13♏30	21°23	4°13	22°47	21°3	1°11	18°8	11°48	25°12	21°27	20°1	11°56	2°6		
T13	3 29 7	20°40'09	26°55	22°59	5°4	23°25	21°16	1°19	18°12	11°48	25°11	21°D27	19°58	12°2	2°9		
F14	3 33 3	21°40'20	9♏57	24°35	5°56	24°4	21°30	1°26	18°16	11°47	25°10	21°28	19°55	12°9	2°12		
S15	3 37 0	22°40'34	22°41	26°10	6°48	24°43	21°43	1°33	18°20	11°46	25°9	21°R29	19°52	12°16	2°14		
S16	3 40 56	23°40'49	5♏9	27°45	7°41	25°22	21°56	1°40	18°23	11°45	25°8	21°28	19°49	12°23	2°17		
M17	3 44 53	24°41'07	17°26	29°20	8°35	26°0	22°9	1°47	18°27	11°44	25°7	21°24	19°45	12°29	2°20		
T18	3 48 49	25°41'26	29°34	0♏54	9°29	26°39	22°22	1°54	18°31	11°43	25°6	21°18	19°42	12°36	2°23		
W19	3 52 46	26°41'48	11♏36	2°28	10°24	27°18	22°36	2°1	18°35	11°41	25°5	21°9	19°39	12°43	2°26		
T20	3 56 43	27°42'11	23°33	4°2	11°20	27°56	22°49	2°8	18°38	11°40	25°4	20°58	19°36	12°49	2°29		
F21	4 0 39	28°42'35	5♏27	5°36	12°16	28°35	23°2	2°15	18°42	11°39	25°3	20°45	19°33	12°56	2°32		
S22	4 4 36	29°43'02	17°19	7°9	13°13	29°14	23°15	2°23	18°46	11°38	25°2	20°31	19°30	13°3	2°35		
S23	4 8 32	0♏43'30	29°10	8°42	14°11	29°53	23°28	2°30	18°50	11°37	25°1	20°18	19°26	13°10	2°39		
M24	4 12 29	1°43'59	11♏3	10°15	15°8	0♏31	23°41	2°37	18°53	11°36	25°0	20°6	19°23	13°16	2°42		
T25	4 16 25	2°44'30	22°59	11°47	16°7	1°10	23°55	2°44	18°57	11°34	24°59	19°57	19°20	13°23	2°45		
W26	4 20 22	3°45'02	5♏3	13°19	17°6	1°49	24°8	2°51	19°1	11°33	24°58	19°51	19°17	13°30	2°49		
T27	4 24 19	4°45'35	17°17	14°52	18°5	2°28	24°21	2°58	19°4	11°32	24°57	19°48	19°14	13°37	2°52		
F28	4 28 15	5°46'09	29°46	16°23	19°5	3°7	24°34	3°5	19°8	11°31	24°56	19°46	19°10	13°43	2°56		
S29	4 32 12	6°46'45	12♏34	17°55	20°5	3°46	24°47	3°13	19°12	11°29	24°54	19°46	19°7	13°50	2°59		
S30	4 36 8	7♏47'22	25♏47	19♏26	21♏6	4♏24	25♏0	3♏20	19♏15	11♏28	24♏53	19♏46	19♏4	13♏57	3♏3		

Delta T = 16m55s

DECEMBER 2397

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	4 40 5	8♏47'59	9♏28	20♏58	22♏7	5♏3	25♏13	3♏27	19♏19	11°R27	24°R52	19°R45	19♏1	14♏3	3♏7		
T 2	4 44 1	9°48'38	23°39	22°29	23°9	5°42	25°26	3°34	19°22	11♏25	24♏51	19♏41	18°58	14°10	3°10		
W 3	4 47 58	10°49'18	8♏18	23°59	24°11	6°21	25°39	3°41	19°26	11°24	24°50	19°35	18°55	14°17	3°14		
T 4	4 51 54	11°50'00	23°21	25°30	25°13	7°0	25°52	3°48	19°30	11°22	24°49	19°26	18°51	14°24	3°18		
F 5	4 55 51	12°50'42	8♏40	27°0	26°16	7°39	26°5	3°55	19°33	11°21	24°48	19°15	18°48	14°30	3°22		
S 6	4 59 48	13°51'26	24°3	28°30	27°19	8°18	26°18	4°2	19°37	11°20	24°47	19°4	18°45	14°37	3°26		
S 7	5 3 44	14°52'11	9♏18	29°59	28°22	8°57	26°31	4°9	19°40	11°18	24°45	18°53	18°42	14°44	3°30		
M 8	5 7 41	15°52'58	24°15	1♏28	29°26	9°35	26°44	4°16	19°44	11°17	24°44	18°44	18°39	14°51	3°34		
T 9	5 11 37	16°53'45	8♏46	2°57	0♏30	10°14	26°57	4°24	19°47	11°15	24°43	18°37	18°36	14°57	3°38		
W10	5 15 34	17°54'35	22°48	4°25	1°35	10°53	27°9	4°31	19°50	11°14	24°42	18°34	18°32	15°4	3°42		
T11	5 19 30	18°55'25	6♏19	5°52	2°40	11°32	27°22	4°38	19°54	11°12	24°41	18°32	18°29	15°11	3°46		
F12	5 23 27	19°56'17	19°24	7°19	3°45	12°11	27°35	4°45	19°57	11°10	24°40	18°32	18°26	15°17	3°51		
S13	5 27 23	20°57'10	2♏6	8°45	4°50	12°50	27°48	4°52	20°1	11°9	24°39	18°32	18°23	15°24	3°55		
S14	5 31 20	21°58'04	14°29	10°10	5°56	13°29	28°0	4°58	20°4	11°7	24°37	18°30	18°20	15°31	3°59		
M15	5 35 17	22°59'00	26°39	11°33	7°1	14°8	28°13	5°5	20°7	11°6	24°36	18°26	18°16	15°38	4°4		
T16	5 39 13	23°59'57	8♏40	12°55	8°8	14°47	28°26	5°12	20°11	11°4	24°35	18°20	18°13	15°44	4°8		
W17	5 43 10	25°0'55	20°35	14°16	9°14	15°26	28°38	5°19	20°14	11°3	24°34	18°10	18°10	15°51	4°13		
T18	5 47 6	26°1'54	2♏27	15°35	10°21	16°5	28°51	5°26	20°17	11°1	24°33	17°58	18°7	15°58	4°17		
F19	5 51 3	27°2'54	14°18	16°51	11°27	16°44	29°3	5°33	20°20	10°59	24°32	17°43	18°4	16°4	4°22		
S20	5 54 59	28°3'55	26°11	18°5	12°35	17°24	29°16	5°40	20°24	10°58	24°30	17°28	18°1	16°11	4°26		
S21	5 58 56	29°4'57	8♏6	19°16	13°42	18°3	29°28	5°46	20°27	10°56	24°29	17°14	17°57	16°18	4°31		
M22	6 2 53	0♏5'59	20°4	20°24	14°49	18°42	29°40	5°53	20°30	10°54	24°28	17°1	17°54	16°25	4°35		
T23	6 6 49	1°7'02	2♏7	21°27	15°57	19°21	29°52	6°0	20°33	10°53	24°27	16°50	17°51	16°31	4°40		
W24	6 10 46	2°8'06	14°17	22°26	17°5	20°0	0♏5	6°7	20°36	10°51	24°26	16°43	17°48	16°38	4°45		
T25	6 14 42	3°9'10	26°36	23°20	18°13	20°39	0°17	6°13	20°39	10°49	24°25	16°39	17°45	16°45	4°50		
F26	6 18 39	4°10'14	9♏8	24°7	19°21	21°18	0°29	6°20	20°42	10°48	24°24	16°37	17°42	16°52	4°54		
S27	6 22 35	5°11'19	21°55	24°48	20°30	21°57	0°41	6°26	20°45	10°46	24°22	16°D37	17°38	16°58	4°59		
S28	6 26 32	6°12'24	5♏2	25°21	21°39	22°36	0°53	6°33	20°48	10°44	24°21	16°R37	17°35	17°5	5°4		
M29	6 30 28	7°13'29	18°33	25°45	22°47	23°16	1°5	6°39	20°51	10°43	24°20	16°37	17°32	17°12	5°9		
T30	6 34 25	8°14'34	2♏30	26°0	23°56	23°55	1°17	6°46	20°54	10°41	24°19	16°34	17°29	17°18	5°14		
W31	6 38 22	9♏15'39	16♏54	26°R4	25♏5	24♏34	1♏28	6♏52	20♏57	10♏39	24♏18	16♏29	17♏26	17♏25	5♏19		

Delta T = 16m55s

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