

SWISS EPHEMERIS for the year 2074
heliocentric

JANUARY 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
M 1	6 44 7	10 ⁵⁵ 08	10 ⁴⁹	20 ⁴⁶	16 ²⁹	6 ¹¹	6 ²³	29 ²²	6 ²⁴	18 ²⁸	7 ²	17 ³⁶
T 2	6 48 3	11 ⁵⁶ 18	11 ⁴⁹	24 ²⁴	18 ⁴	6 ³⁸	6 ²⁸	29 ²⁴	6 ⁴⁰	18 ²⁸	7 ²	17 ³⁶
W 3	6 52 0	12 ⁵⁷ 28	12 ⁴⁹	28 ⁸	19 ³⁹	7 ⁵	6 ³³	29 ²⁶	6 ⁴¹	18 ²⁸	7 ²	17 ³⁷
T 4	6 55 56	13 ⁵⁸ 37	13 ⁵⁰	1 ⁵⁸	21 ¹⁴	7 ³²	6 ³⁸	29 ²⁸	6 ⁴²	18 ²⁹	7 ²	17 ³⁷
F 5	6 59 53	14 ⁵⁹ 46	14 ⁵⁰	5 ⁵⁵	22 ⁴⁹	7 ⁵⁹	6 ⁴³	29 ³⁰	6 ⁴²	18 ²⁹	7 ²	17 ³⁸
S 6	7 3 49	16 ⁰ 55	15 ⁵²	9 ⁵⁹	24 ²⁴	8 ²⁶	6 ⁴⁷	29 ³¹	6 ⁴³	18 ²⁹	7 ³	17 ³⁸
S 7	7 7 46	17 ² 04	16 ⁵³	14 ¹⁰	25 ⁵⁸	8 ⁵³	6 ⁵²	29 ³³	6 ⁴⁴	18 ³⁰	7 ³	17 ³⁹
M 8	7 11 43	18 ³ 12	17 ⁵⁵	18 ²⁸	27 ³³	9 ²⁰	6 ⁵⁷	29 ³⁵	6 ⁴⁵	18 ³⁰	7 ³	17 ⁴⁰
T 9	7 15 39	19 ⁴ 20	18 ⁵⁷	22 ⁵⁵	29 ⁸	9 ⁴⁶	7 ²	29 ³⁷	6 ⁴⁵	18 ³⁰	7 ³	17 ⁴⁰
W10	7 19 36	20 ⁵ 27	20 ⁰	27 ²⁹	0 ⁴³	10 ¹³	7 ⁷	29 ³⁹	6 ⁴⁶	18 ³¹	7 ³	17 ⁴¹
T 11	7 23 32	21 ⁶ 35	21 ²	2 ¹³	2 ¹⁸	10 ⁴⁰	7 ¹²	29 ⁴¹	6 ⁴⁷	18 ³¹	7 ⁴	17 ⁴¹
F 12	7 27 29	22 ⁷ 41	22 ⁵	7 ⁵	3 ⁵³	11 ⁷	7 ¹⁶	29 ⁴³	6 ⁴⁷	18 ³²	7 ⁴	17 ⁴²
S 13	7 31 25	23 ⁸ 48	23 ⁸	12 ⁶	5 ²⁸	11 ³³	7 ²¹	29 ⁴⁴	6 ⁴⁸	18 ³²	7 ⁴	17 ⁴³
S 14	7 35 22	24 ⁹ 54	24 ¹¹	17 ¹⁶	7 ²	12 ⁰	7 ²⁶	29 ⁴⁶	6 ⁴⁹	18 ³²	7 ⁴	17 ⁴³
M15	7 39 19	25 ¹¹ 00	25 ¹⁴	22 ³⁶	8 ³⁷	12 ²⁷	7 ³¹	29 ⁴⁸	6 ⁴⁹	18 ³³	7 ⁴	17 ⁴⁴
T 16	7 43 15	26 ¹² 05	26 ¹⁷	28 ⁴	10 ¹²	12 ⁵⁴	7 ³⁶	29 ⁵⁰	6 ⁵⁰	18 ³³	7 ⁴	17 ⁴⁴
W17	7 47 12	27 ¹³ 10	27 ¹⁹	3 ⁴¹	11 ⁴⁷	13 ²⁰	7 ⁴¹	29 ⁵²	6 ⁵¹	18 ³³	7 ⁵	17 ⁴⁵
T 18	7 51 8	28 ¹⁴ 15	28 ²²	9 ²⁷	13 ²²	13 ⁴⁷	7 ⁴⁵	29 ⁵⁴	6 ⁵¹	18 ³⁴	7 ⁵	17 ⁴⁵
F 19	7 55 5	29 ¹⁵ 19	29 ²⁴	15 ²⁰	14 ⁵⁷	14 ¹⁴	7 ⁵⁰	29 ⁵⁵	6 ⁵²	18 ³⁴	7 ⁵	17 ⁴⁶
S 20	7 59 1	0 ¹⁶ 24	0 ²⁵	21 ²¹	16 ³²	14 ⁴⁰	7 ⁵⁵	29 ⁵⁷	6 ⁵³	18 ³⁴	7 ⁵	17 ⁴⁷
S 21	8 2 58	1 ¹⁷ 28	1 ²⁶	27 ²⁸	18 ⁷	15 ⁷	8 ⁰	29 ⁵⁹	6 ⁵⁴	18 ³⁵	7 ⁵	17 ⁴⁷
M22	8 6 54	2 ¹⁸ 31	2 ²⁷	3 ³⁹	19 ⁴²	15 ³³	8 ⁵	0 ¹	6 ⁵⁴	18 ³⁵	7 ⁵	17 ⁴⁸
T 23	8 10 51	3 ¹⁹ 35	3 ²⁷	9 ⁵⁵	21 ¹⁷	16 ⁰	8 ⁹	0 ³	6 ⁵⁵	18 ³⁶	7 ⁶	17 ⁴⁸
W24	8 14 48	4 ²⁰ 38	4 ²⁶	16 ¹⁴	22 ⁵²	16 ²⁷	8 ¹⁴	0 ⁵	6 ⁵⁶	18 ³⁶	7 ⁶	17 ⁴⁹
T 25	8 18 44	5 ²¹ 40	5 ²⁶	22 ³³	24 ²⁷	16 ⁵³	8 ¹⁹	0 ⁶	6 ⁵⁶	18 ³⁶	7 ⁶	17 ⁴⁹
F 26	8 22 41	6 ²² 42	6 ²⁵	28 ⁵²	26 ²	17 ²⁰	8 ²⁴	0 ⁸	6 ⁵⁷	18 ³⁷	7 ⁶	17 ⁵⁰
S 27	8 26 37	7 ²³ 44	7 ²⁴	5 ⁹	27 ³⁷	17 ⁴⁶	8 ²⁹	0 ¹⁰	6 ⁵⁸	18 ³⁷	7 ⁶	17 ⁵¹
S 28	8 30 34	8 ²⁴ 44	8 ²³	11 ²²	29 ¹²	18 ¹³	8 ³⁴	0 ¹²	6 ⁵⁸	18 ³⁷	7 ⁷	17 ⁵¹
M29	8 34 30	9 ²⁵ 43	9 ²²	17 ³¹	0 ⁴⁷	18 ³⁹	8 ³⁸	0 ¹⁴	6 ⁵⁹	18 ³⁸	7 ⁷	17 ⁵²
T 30	8 38 27	10 ²⁶ 42	10 ²²	23 ³³	2 ²²	19 ⁶	8 ⁴³	0 ¹⁶	7 ⁰	18 ³⁸	7 ⁷	17 ⁵²
W31	8 42 23	11 ²⁷ 39	11 ²¹	29 ²⁹	3 ⁵⁷	19 ³²	8 ⁴⁸	0 ¹⁷	7 ⁰	18 ³⁹	7 ⁷	17 ⁵³

Delta T = 165.03 sec.

FEBRUARY 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	8 46 20	12 ²⁸ 35	12 ²¹	5 ¹⁶	5 ³²	19 ⁵⁹	8 ⁵³	0 ¹⁹	7 ³	18 ³⁹	7 ⁷	17 ⁵³
F 2	8 50 17	13 ²⁹ 29	13 ²¹	10 ⁵⁵	7 ⁷	20 ²⁵	8 ⁵⁸	0 ²¹	7 ²	18 ³⁹	7 ⁷	17 ⁵⁴
S 3	8 54 13	14 ³⁰ 23	14 ²¹	16 ²⁵	8 ⁴²	20 ⁵¹	9 ²	0 ²³	7 ³	18 ⁴⁰	7 ⁸	17 ⁵⁵
S 4	8 58 10	15 ³¹ 15	15 ²²	21 ⁴⁵	10 ¹⁷	21 ¹⁸	9 ⁷	0 ²⁵	7 ³	18 ⁴⁰	7 ⁸	17 ⁵⁵
M 5	9 2 6	16 ³² 06	16 ²³	26 ⁵⁵	11 ⁵²	21 ⁴⁴	9 ¹²	0 ²⁷	7 ⁴	18 ⁴⁰	7 ⁸	17 ⁵⁶
T 6	9 6 3	17 ³² 55	17 ²⁴	1 ⁵⁶	13 ²⁸	22 ¹¹	9 ¹⁷	0 ²⁸	7 ⁵	18 ⁴¹	7 ⁸	17 ⁵⁶
W 7	9 9 59	18 ³³ 44	18 ²⁶	6 ⁴⁷	15 ³	22 ³⁷	9 ²²	0 ³⁰	7 ⁵	18 ⁴¹	7 ⁸	17 ⁵⁷
T 8	9 13 56	19 ³⁴ 30	19 ²⁸	11 ²⁹	16 ³⁸	23 ³	9 ²⁷	0 ³²	7 ⁶	18 ⁴¹	7 ⁹	17 ⁵⁷
F 9	9 17 52	20 ³⁵ 16	20 ³⁰	16 ²	18 ¹³	23 ³⁰	9 ³¹	0 ³⁴	7 ⁷	18 ⁴²	7 ⁹	17 ⁵⁸
S 10	9 21 49	21 ³⁵ 59	21 ³²	20 ²⁶	19 ⁴⁹	23 ⁵⁶	9 ³⁶	0 ³⁶	7 ⁷	18 ⁴²	7 ⁹	17 ⁵⁹
S 11	9 25 46	22 ³⁶ 42	22 ³⁵	24 ⁴²	21 ²⁴	24 ²²	9 ⁴¹	0 ³⁸	7 ⁸	18 ⁴³	7 ⁹	17 ⁵⁹
M12	9 29 42	23 ³⁷ 23	23 ³⁸	28 ⁵⁰	22 ⁵⁹	24 ⁴⁹	9 ⁴⁶	0 ⁴⁰	7 ⁹	18 ⁴³	7 ⁹	18 ⁰
T 13	9 33 39	24 ³⁸ 02	24 ⁴⁰	2 ⁵⁰	24 ³⁴	25 ¹⁵	9 ⁵¹	0 ⁴¹	7 ⁹	18 ⁴³	7 ⁹	18 ⁰
W14	9 37 35	25 ³⁸ 41	25 ⁴³	6 ⁴³	26 ¹⁰	25 ⁴¹	9 ⁵⁵	0 ⁴³	7 ¹⁰	18 ⁴⁴	7 ¹⁰	18 ¹
T 15	9 41 32	26 ³⁹ 17	26 ⁴⁵	10 ³⁰	27 ⁴⁵	26 ⁸	10 ⁰	0 ⁴⁵	7 ¹¹	18 ⁴⁴	7 ¹⁰	18 ¹
F 16	9 45 28	27 ³⁹ 53	27 ⁴⁷	14 ¹⁰	29 ²¹	26 ³⁴	10 ⁵	0 ⁴⁷	7 ¹¹	18 ⁴⁴	7 ¹⁰	18 ²
S 17	9 49 25	28 ⁴⁰ 28	28 ⁴⁸	17 ⁴⁴	0 ⁵⁶	27 ⁰	10 ¹⁰	0 ⁴⁹	7 ¹²	18 ⁴⁵	7 ¹⁰	18 ³
S 18	9 53 21	29 ⁴¹ 01	29 ⁴⁹	21 ¹³	2 ³¹	27 ²⁷	10 ¹⁵	0 ⁵¹	7 ¹³	18 ⁴⁵	7 ¹⁰	18 ³
M19	9 57 18	0 ⁴¹ 34	0 ⁵⁰	24 ³⁷	4 ⁷	27 ⁵³	10 ¹⁹	0 ⁵²	7 ¹⁴	18 ⁴⁵	7 ¹⁰	18 ⁴
T 20	10 1 14	1 ⁴² 05	1 ⁵⁰	27 ⁵⁷	5 ⁴²	28 ¹⁹	10 ²⁴	0 ⁵⁴	7 ¹⁴	18 ⁴⁶	7 ¹¹	18 ⁴
W21	10 5 11	2 ⁴² 35	2 ⁵⁰	1 ¹²	7 ¹⁸	28 ⁴⁵	10 ²⁹	0 ⁵⁶	7 ¹⁵	18 ⁴⁶	7 ¹¹	18 ⁵
T 22	10 9 8	3 ⁴³ 03	3 ⁵⁰	4 ²³	8 ⁵³	29 ¹²	10 ³⁴	0 ⁵⁸	7 ¹⁶	18 ⁴⁷	7 ¹¹	18 ⁵
F 23	10 13 4	4 ⁴³ 31	4 ⁴⁹	7 ³¹	10 ²⁹	29 ³⁸	10 ³⁹	1 ⁰	7 ¹⁶	18 ⁴⁷	7 ¹¹	18 ⁶
S 24	10 17 1	5 ⁴³ 56	5 ⁴⁷	10 ³⁵	12 ⁵	0 ⁴⁹	10 ⁴³	1 ²	7 ¹⁷	18 ⁴⁷	7 ¹¹	18 ⁷
S 25	10 20 57	6 ⁴⁴ 21	6 ⁴⁶	13 ³⁶	13 ⁴⁰	0 ³⁰	10 ⁴⁸	1 ³	7 ¹⁸	18 ⁴⁸	7 ¹²	18 ⁷
M26	10 24 54	7 ⁴⁴ 43	7 ⁴⁵	16 ³⁵	15 ¹⁶	0 ⁵⁷	10 ⁵³	1 ⁵	7 ¹⁸	18 ⁴⁸	7 ¹²	18 ⁸
T 27	10 28 50	8 ⁴⁵ 04	8 ⁴³	19 ³¹	16 ⁵¹	1 ²³	10 ⁵⁸	1 ⁷	7 ¹⁹	18 ⁴⁸	7 ¹²	18 ⁸
W28	10 32 47	9 ⁴⁵ 23	9 ⁴²	22 ²⁵	18 ²⁷	1 ⁴⁹	11 ⁰	1 ⁹	7 ²⁰	18 ⁴⁹	7 ¹²	18 ⁹

Delta T = 165.20 sec.

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SWISS EPHEMERIS for the year 2074
heliocentric

MARCH 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	10 36 43	10 ^h 45'40	10 ^h 40	25 ^m 17	20 ^h 07' 3	2 ^h 15	11 ^h 07' 7	1 ^h 11	7 ^h 20	18 ^h 49	7 ^h 12	18 ^h 09' 9
F 2	10 40 40	11°45'55	11°39	28° 7	21°39	2°41	11°12	1°13	7°21	18°49	7°12	18°10
S 3	10 44 37	12°46'08	12°38	0 ^h 56	23°14	3° 8	11°17	1°14	7°22	18°50	7°13	18°11
S 4	10 48 33	13°46'20	13°38	3°44	24°50	3°34	11°22	1°16	7°23	18°50	7°13	18°11
M 5	10 52 30	14°46'29	14°37	6°30	26°26	4° 0	11°27	1°18	7°23	18°51	7°13	18°12
T 6	10 56 26	15°46'36	15°37	9°16	28° 2	4°26	11°31	1°20	7°24	18°51	7°13	18°12
W 7	11 0 23	16°46'42	16°38	12° 1	29°38	4°52	11°36	1°22	7°25	18°51	7°13	18°13
T 8	11 4 19	17°46'45	17°38	14°46	1 ^h 13	5°19	11°41	1°24	7°25	18°52	7°13	18°13
F 9	11 8 16	18°46'46	18°39	17°31	2°49	5°45	11°46	1°25	7°26	18°52	7°14	18°14
S 10	11 12 12	19°46'45	19°41	20°15	4°25	6°11	11°50	1°27	7°27	18°52	7°14	18°15
S 11	11 16 9	20°46'41	20°42	23° 0	6° 1	6°37	11°55	1°29	7°27	18°53	7°14	18°15
M12	11 20 6	21°46'36	21°44	25°46	7°37	7° 3	12° 0	1°31	7°28	18°53	7°14	18°16
T 13	11 24 2	22°46'28	22°46	28°32	9°13	7°30	12° 5	1°33	7°29	18°53	7°14	18°16
W14	11 27 59	23°46'19	23°48	1 ^h 19	10°49	7°56	12°10	1°35	7°29	18°54	7°15	18°17
T 15	11 31 55	24°46'08	24°49	4° 7	12°25	8°22	12°14	1°36	7°30	18°54	7°15	18°18
F 16	11 35 52	25°45'54	25°51	6°56	14° 1	8°48	12°19	1°38	7°31	18°55	7°15	18°18
S 17	11 39 48	26°45'39	26°52	9°46	15°37	9°14	12°24	1°40	7°31	18°55	7°15	18°19
S 18	11 43 45	27°45'23	27°53	12°39	17°14	9°41	12°29	1°42	7°32	18°55	7°15	18°19
M19	11 47 41	28°45'05	28°53	15°33	18°50	10° 7	12°34	1°44	7°33	18°56	7°15	18°20
T 20	11 51 38	29°44'45	29°53	18°30	20°26	10°33	12°38	1°46	7°34	18°56	7°16	18°20
W21	11 55 35	0 ^h 44'23	0 ^h 53	21°29	22° 2	10°59	12°43	1°47	7°34	18°56	7°16	18°21
T 22	11 59 31	1°44'00	1°52	24°30	23°38	11°25	12°48	1°49	7°35	18°57	7°16	18°22
F 23	12 3 28	2°43'35	2°51	27°35	25°15	11°52	12°53	1°51	7°36	18°57	7°16	18°22
S 24	12 7 24	3°43'08	3°49	0 ^h 42	26°51	12°18	12°57	1°53	7°36	18°57	7°16	18°23
S 25	12 11 21	4°42'39	4°47	3°54	28°27	12°44	13° 2	1°55	7°37	18°58	7°16	18°23
M26	12 15 17	5°42'09	5°45	7° 9	0 ^h 11 4	13°10	13° 7	1°57	7°38	18°58	7°17	18°24
T 27	12 19 14	6°41'36	6°43	10°28	1°40	13°36	13°12	1°58	7°38	18°59	7°17	18°24
W28	12 23 10	7°41'02	7°40	13°51	3°17	14° 3	13°17	2° 0	7°39	18°59	7°17	18°25
T 29	12 27 7	8°40'25	8°38	17°19	4°53	14°29	13°21	2° 2	7°40	18°59	7°17	18°26
F 30	12 31 3	9°39'46	9°36	20°52	6°30	14°55	13°26	2° 4	7°40	19° 0	7°17	18°26
S 31	12 35 0	10 ^h 39'05	10 ^h 33	24 ^m 31	8 ^h 11 6	15 ^h 21	13 ^h 31	2 ^h 6	7 ^h 41	19 ^h 0	7 ^h 18	18 ^h 27

Delta T = 165.34 sec.

APRIL 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
S 1	12 38 57	11 ^h 38'22	11 ^h 31	28 ^m 15	9 ^h 11 43	15 ^h 48	13 ^h 36	2 ^h 8	7 ^h 42	19 ^h 0	7 ^h 18	18 ^h 27
M 2	12 42 53	12°37'37	12°30	2 ^h 6	11°19	16°14	13°40	2° 9	7°43	19° 1	7°18	18°28
T 3	12 46 50	13°36'49	13°28	6° 3	12°56	16°40	13°45	2°11	7°43	19° 1	7°18	18°28
W 4	12 50 46	14°36'00	14°27	10° 7	14°33	17° 6	13°50	2°13	7°44	19° 1	7°18	18°29
T 5	12 54 43	15°35'08	15°26	14°18	16° 9	17°33	13°55	2°15	7°45	19° 2	7°18	18°30
F 6	12 58 39	16°34'13	16°26	18°36	17°46	17°59	14° 0	2°17	7°45	19° 2	7°19	18°30
S 7	13 2 36	17°33'17	17°25	23° 3	19°23	18°25	14° 4	2°19	7°46	19° 3	7°19	18°31
S 8	13 6 32	18°32'18	18°26	27°38	20°59	18°52	14° 9	2°20	7°47	19° 3	7°19	18°31
M 9	13 10 29	19°31'16	19°26	2 ^h 22	22°36	19°18	14°14	2°22	7°47	19° 3	7°19	18°32
T 10	13 14 26	20°30'13	20°27	7°14	24°13	19°44	14°19	2°24	7°48	19° 4	7°19	18°32
W11	13 18 22	21°29'07	21°28	12°16	25°50	20°10	14°23	2°26	7°49	19° 4	7°19	18°33
T 12	13 22 19	22°27'59	22°28	17°26	27°27	20°37	14°28	2°28	7°49	19° 4	7°20	18°34
F 13	13 26 15	23°26'49	23°29	22°46	29° 4	21° 3	14°33	2°30	7°50	19° 5	7°20	18°34
S 14	13 30 12	24°25'38	24°30	28°14	0 ^h 41	21°29	14°38	2°31	7°51	19° 5	7°20	18°35
S 15	13 34 8	25°24'24	25°30	3 ^h 52	2°18	21°56	14°43	2°33	7°51	19° 5	7°20	18°35
M16	13 38 5	26°23'09	26°30	9°38	3°55	22°22	14°47	2°35	7°52	19° 6	7°20	18°36
T 17	13 42 1	27°21'53	27°30	15°31	5°32	22°49	14°52	2°37	7°53	19° 6	7°21	18°36
W18	13 45 58	28°20'34	28°29	21°32	7° 9	23°15	14°57	2°39	7°54	19° 7	7°21	18°37
T 19	13 49 55	29°19'14	29°28	27°39	8°46	23°41	15° 2	2°41	7°54	19° 7	7°21	18°38
F 20	13 53 51	0 ^h 17'52	0 ^h 26	3 ^h 11 51	10°23	24° 8	15° 6	2°42	7°55	19° 7	7°21	18°38
S 21	13 57 48	1°16'29	1°24	10° 7	12° 0	24°34	15°11	2°44	7°56	19° 8	7°21	18°39
S 22	14 1 44	2°15'04	2°22	16°25	13°37	25° 1	15°16	2°46	7°56	19° 8	7°21	18°39
M23	14 5 41	3°13'37	3°19	22°45	15°14	25°27	15°21	2°48	7°57	19° 8	7°22	18°40
T 24	14 9 37	4°12'08	4°16	29° 4	16°52	25°53	15°25	2°50	7°58	19° 9	7°22	18°40
W25	14 13 34	5°10'38	5°13	5 ^h 20	18°29	26°20	15°30	2°52	7°58	19° 9	7°22	18°41
T 26	14 17 30	6° 9'05	6°10	11°34	20° 6	26°46	15°35	2°53	7°59	19° 9	7°22	18°42
F 27	14 21 27	7° 7'31	7° 6	17°42	21°43	27°13	15°40	2°55	8° 0	19°10	7°22	18°42
S 28	14 25 23	8° 5'56	8° 3	23°45	23°21	27°39	15°44	2°57	8° 0	19°10	7°22	18°43
S 29	14 29 20	9° 4'18	9° 0	29°40	24°58	28° 6	15°49	2°59	8° 1	19°11	7°23	18°43
M30	14 33 17	10 ^h 2'38	9 ^h 57	5 ^h 27	26 ^h 35	28 ^h 33	15 ^h 54	3 ^h 1	8 ^h 2	19 ^h 11	7 ^h 23	18 ^h 44

Delta T = 165.50 sec.

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SWISS EPHEMERIS for the year 2074
heliocentric

MAY 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
T 1	14 37 13	11♈ 05'7	10♈54	11♈ 6	28♄13	28♄59	15♁59	3♂ 3	8♂ 2	19♁11	7♃23	18♃44
W 2	14 41 10	11°59'13	11°51	16°35	29°50	29°26	16° 4	3° 4	8° 3	19°12	7°23	18°45
T 3	14 45 6	12°57'28	12°49	21°55	1♁28	29°52	16° 8	3° 6	8° 4	19°12	7°23	18°46
F 4	14 49 3	13°55'40	13°47	27° 5	3° 5	0♁19	16°13	3° 8	8° 5	19°12	7°24	18°46
S 5	14 52 59	14°53'51	14°45	2♄ 5	4°42	0°45	16°18	3°10	8° 5	19°13	7°24	18°47
S 6	14 56 56	15°51'59	15°44	6°56	6°20	1°12	16°23	3°12	8° 6	19°13	7°24	18°47
M 7	15 0 53	16°50'05	16°43	11°38	7°57	1°39	16°27	3°14	8° 7	19°13	7°24	18°48
T 8	15 4 49	17°48'10	17°42	16°10	9°35	2° 5	16°32	3°15	8° 7	19°14	7°24	18°49
W 9	15 8 46	18°46'12	18°42	20°34	11°12	2°32	16°37	3°17	8° 8	19°14	7°24	18°49
T 10	15 12 42	19°44'13	19°42	24°50	12°50	2°59	16°42	3°19	8° 9	19°15	7°25	18°50
F 11	15 16 39	20°42'12	20°42	28°57	14°27	3°26	16°46	3°21	8° 9	19°15	7°25	18°50
S 12	15 20 35	21°40'10	21°42	2♁57	16° 5	3°52	16°51	3°23	8°10	19°15	7°25	18°51
S 13	15 24 32	22°38'06	22°42	6°50	17°42	4°19	16°56	3°25	8°11	19°16	7°25	18°51
M14	15 28 28	23°36'01	23°41	10°37	19°20	4°46	17° 1	3°26	8°11	19°16	7°25	18°52
T 15	15 32 25	24°33'54	24°41	14°17	20°57	5°13	17° 5	3°28	8°12	19°16	7°26	18°53
W16	15 36 22	25°31'46	25°40	17°51	22°35	5°39	17°10	3°30	8°13	19°17	7°26	18°53
T 17	15 40 18	26°29'37	26°38	21°20	24°12	6° 6	17°15	3°32	8°14	19°17	7°26	18°54
F 18	15 44 15	27°27'27	27°36	24°44	25°50	6°33	17°20	3°34	8°14	19°17	7°26	18°54
S 19	15 48 11	28°25'16	28°34	28° 3	27°27	7° 0	17°24	3°36	8°15	19°18	7°26	18°55
S 20	15 52 8	29°23'03	29°31	1♈18	29° 5	7°27	17°29	3°37	8°16	19°18	7°26	18°55
M21	15 56 4	0♁20'49	0♁28	4°29	0♄43	7°54	17°34	3°39	8°16	19°19	7°27	18°56
T 22	16 0 1	1°18'34	1°25	7°37	2°20	8°21	17°39	3°41	8°17	19°19	7°27	18°57
W23	16 3 57	2°16'18	2°21	10°41	3°58	8°48	17°43	3°43	8°18	19°19	7°27	18°57
T 24	16 7 54	3°14'01	3°17	13°42	5°35	9°15	17°48	3°45	8°18	19°20	7°27	18°58
F 25	16 11 50	4°11'43	4°13	16°40	7°13	9°42	17°53	3°47	8°19	19°20	7°27	18°58
S 26	16 15 47	5° 9'23	5° 9	19°37	8°50	10° 9	17°58	3°48	8°20	19°20	7°27	18°59
S 27	16 19 44	6° 7'03	6° 5	22°30	10°27	10°36	18° 2	3°50	8°20	19°21	7°28	18°59
M28	16 23 40	7° 4'41	7° 1	25°22	12° 5	11° 3	18° 7	3°52	8°21	19°21	7°28	19° 0
T 29	16 27 37	8° 2'18	7°57	28°13	13°42	11°30	18°12	3°54	8°22	19°21	7°28	19° 1
W30	16 31 33	8°59'53	8°54	1♁ 1	15°20	11°57	18°17	3°56	8°22	19°22	7°28	19° 1
T 31	16 35 30	9♁57'27	9♁50	3♂49	16♄57	12♁24	18♁21	3♂58	8♂23	19♁22	7♃28	19♃ 2

Delta T = 165.66 sec.

JUNE 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
F 1	16 39 26	10♁55'00	10♁47	6♁35	18♄35	12♁51	18♁26	3♂59	8♂24	19♁23	7♃29	19♃ 2
S 2	16 43 23	11°52'31	11°44	9°21	20°12	13°19	18°31	4° 1	8°25	19°23	7°29	19° 3
S 3	16 47 20	12°50'01	12°41	12° 6	21°49	13°46	18°36	4° 3	8°25	19°23	7°29	19° 3
M 4	16 51 16	13°47'30	13°39	14°51	23°26	14°13	18°40	4° 5	8°26	19°24	7°29	19° 4
T 5	16 55 13	14°44'58	14°38	17°36	25° 4	14°40	18°45	4° 7	8°27	19°24	7°29	19° 5
W 6	16 59 9	15°42'24	15°36	20°21	26°41	15° 8	18°50	4° 9	8°27	19°24	7°29	19° 5
T 7	17 3 6	16°39'49	16°35	23° 6	28°18	15°35	18°55	4°10	8°28	19°25	7°30	19° 6
F 8	17 7 2	17°37'13	17°34	25°51	29°55	16° 2	18°59	4°12	8°29	19°25	7°30	19° 6
S 9	17 10 59	18°34'36	18°34	28°37	1♁33	16°30	19° 4	4°14	8°29	19°25	7°30	19° 7
S 10	17 14 55	19°31'59	19°33	1♁24	3°10	16°57	19° 9	4°16	8°30	19°26	7°30	19° 8
M11	17 18 52	20°29'20	20°32	4°12	4°47	17°25	19°14	4°18	8°31	19°26	7°30	19° 8
T 12	17 22 49	21°26'41	21°32	7° 1	6°24	17°52	19°18	4°20	8°31	19°27	7°30	19° 9
W13	17 26 45	22°24'01	22°30	9°52	8° 1	18°20	19°23	4°21	8°32	19°27	7°31	19° 9
T 14	17 30 42	23°21'21	23°29	12°44	9°38	18°47	19°28	4°23	8°33	19°27	7°31	19°10
F 15	17 34 38	24°18'40	24°27	15°39	11°15	19°15	19°32	4°25	8°34	19°28	7°31	19°10
S 16	17 38 35	25°15'59	25°25	18°35	12°52	19°42	19°37	4°27	8°34	19°28	7°31	19°11
S 17	17 42 31	26°13'18	26°22	21°34	14°29	20°10	19°42	4°29	8°35	19°28	7°31	19°12
M18	17 46 28	27°10'36	27°19	24°36	16° 5	20°37	19°47	4°31	8°36	19°29	7°32	19°12
T 19	17 50 24	28° 7'54	28°16	27°41	17°42	21° 5	19°51	4°32	8°36	19°29	7°32	19°13
W20	17 54 21	29° 5'11	29°12	0♁48	19°19	21°33	19°56	4°34	8°37	19°29	7°32	19°13
T 21	17 58 18	0♁ 2'29	0♁ 8	4° 0	20°56	22° 1	20° 1	4°36	8°38	19°30	7°32	19°14
F 22	18 2 14	0°59'46	1° 4	7°15	22°32	22°28	20° 6	4°38	8°38	19°30	7°32	19°14
S 23	18 6 11	1°57'02	2° 0	10°34	24° 9	22°56	20°10	4°40	8°39	19°31	7°32	19°15
S 24	18 10 7	2°54'19	2°55	13°58	25°45	23°24	20°15	4°42	8°40	19°31	7°33	19°16
M25	18 14 4	3°51'35	3°51	17°26	27°22	23°52	20°20	4°43	8°40	19°31	7°33	19°16
T 26	18 18 0	4°48'51	4°46	20°59	28°58	24°20	20°25	4°45	8°41	19°32	7°33	19°17
W27	18 21 57	5°46'06	5°42	24°38	0♈35	24°48	20°29	4°47	8°42	19°32	7°33	19°17
T 28	18 25 53	6°43'21	6°38	28°22	2°11	25°16	20°34	4°49	8°42	19°32	7°33	19°18
F 29	18 29 50	7°40'35	7°34	2♁13	3°48	25°44	20°39	4°51	8°43	19°33	7°34	19°18
S 30	18 33 47	8♁37'49	8♁30	6♁10	5♈24	26♁12	20♁43	4♂53	8♂44	19♁33	7♃34	19♃19

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SWISS EPHEMERIS for the year 2074
heliocentric

JULY 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♁
S 1	18 37 43	9♁35'03	9♁27	10♁14	7♁ 0	26♁40	20♁48	4♁54	8♁45	19♁33	7♁34	19♁20
M 2	18 41 40	10°32'16	10°24	14°26	8°36	27° 8	20°53	4°56	8°45	19°34	7°34	19°20
T 3	18 45 36	11°29'28	11°21	18°45	10°13	27°36	20°58	4°58	8°46	19°34	7°34	19°21
W 4	18 49 33	12°26'40	12°19	23°12	11°49	28° 4	21° 2	5° 0	8°47	19°35	7°34	19°21
T 5	18 53 29	13°23'52	13°17	27°47	13°25	28°32	21° 7	5° 2	8°47	19°35	7°35	19°22
F 6	18 57 26	14°21'04	14°16	2♁31	15° 1	29° 0	21°12	5° 4	8°48	19°35	7°35	19°23
S 7	19 1 22	15°18'15	15°15	7°24	16°37	29°29	21°17	5° 5	8°49	19°36	7°35	19°23
S 8	19 5 19	16°15'27	16°14	12°25	18°13	29°57	21°21	5° 7	8°49	19°36	7°35	19°24
M 9	19 9 16	17°12'38	17°13	17°36	19°49	0♁25	21°26	5° 9	8°50	19°36	7°35	19°24
T 10	19 13 12	18° 9'50	18°12	22°56	21°25	0°54	21°31	5°11	8°51	19°37	7°35	19°25
W11	19 17 9	19° 7'02	19°11	28°25	23° 0	1°22	21°35	5°13	8°51	19°37	7°36	19°25
T 12	19 21 5	20° 4'14	20°10	4♁ 3	24°36	1°51	21°40	5°14	8°52	19°38	7°36	19°26
F 13	19 25 2	21° 1'26	21° 9	9°49	26°12	2°19	21°45	5°16	8°53	19°38	7°36	19°27
S 14	19 28 58	21°58'39	22° 7	15°43	27°48	2°48	21°50	5°18	8°54	19°38	7°36	19°27
S 15	19 32 55	22°55'52	23° 5	21°44	29°23	3°16	21°54	5°20	8°54	19°39	7°36	19°28
M16	19 36 51	23°53'06	24° 2	27°51	0♁59	3°45	21°59	5°22	8°55	19°39	7°37	19°28
T 17	19 40 48	24°50'21	24°59	4♁ 3	2°34	4°13	22° 4	5°24	8°56	19°39	7°37	19°29
W18	19 44 45	25°47'36	25°56	10°19	4°10	4°42	22° 8	5°25	8°56	19°40	7°37	19°29
T 19	19 48 41	26°44'52	26°53	16°37	5°45	5°11	22°13	5°27	8°57	19°40	7°37	19°30
F 20	19 52 38	27°42'08	27°49	22°57	7°21	5°40	22°18	5°29	8°58	19°40	7°37	19°31
S 21	19 56 34	28°39'25	28°45	29°15	8°56	6° 8	22°23	5°31	8°58	19°41	7°37	19°31
S 22	20 0 31	29°36'43	29°40	5♁32	10°32	6°37	22°27	5°33	8°59	19°41	7°38	19°32
M23	20 4 27	0♁34'02	0♁36	11°45	12° 7	7° 6	22°32	5°35	9° 0	19°42	7°38	19°32
T 24	20 8 24	1°31'21	1°32	17°54	13°42	7°35	22°37	5°36	9° 0	19°42	7°38	19°33
W25	20 12 20	2°28'40	2°27	23°56	15°18	8° 4	22°41	5°38	9° 1	19°42	7°38	19°33
T 26	20 16 17	3°26'00	3°23	29°51	16°53	8°33	22°46	5°40	9° 2	19°43	7°38	19°34
F 27	20 20 14	4°23'21	4°18	5♁38	18°28	9° 2	22°51	5°42	9° 2	19°43	7°38	19°35
S 28	20 24 10	5°20'42	5°14	11°16	20° 3	9°31	22°56	5°44	9° 3	19°43	7°39	19°35
S 29	20 28 7	6°18'03	6°11	16°45	21°38	10° 0	23° 0	5°46	9° 4	19°44	7°39	19°36
M30	20 32 3	7°15'25	7° 7	22° 5	23°13	10°30	23° 5	5°47	9° 5	19°44	7°39	19°36
T 31	20 36 0	8°12'48	8°11	27♁15	24♁49	10♁59	23♁10	5♁49	9♁ 5	19♁44	7♁39	19♁37

Delta T = 165.98 sec.

AUGUST 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♁
W 1	20 39 56	9♁10'11	9♁ 2	2♁15	26♁24	11♁28	23♁14	5♁51	9♁ 6	19♁45	7♁39	19♁38
T 2	20 43 53	10° 7'35	10° 0	7° 5	27°59	11°57	23°19	5°53	9° 7	19°45	7°40	19°38
F 3	20 47 49	11° 4'59	10°58	11°47	29°34	12°27	23°24	5°55	9° 7	19°46	7°40	19°39
S 4	20 51 46	12° 2'24	11°57	16°19	1♁ 9	12°56	23°29	5°57	9° 8	19°46	7°40	19°39
S 5	20 55 43	12°59'49	12°56	20°42	2°44	13°26	23°33	5°58	9° 9	19°46	7°40	19°40
M 6	20 59 39	13°57'15	13°55	24°58	4°19	13°55	23°38	6° 0	9° 9	19°47	7°40	19°40
T 7	21 3 36	14°54'43	14°55	29° 5	5°54	14°25	23°43	6° 2	9°10	19°47	7°40	19°41
W 8	21 7 32	15°52'11	15°54	3♁ 5	7°29	14°54	23°47	6° 4	9°11	19°47	7°41	19°42
T 9	21 11 29	16°49'40	16°53	6°58	9° 4	15°24	23°52	6° 6	9°11	19°48	7°41	19°42
F 10	21 15 25	17°47'10	17°52	10°44	10°39	15°53	23°57	6° 8	9°12	19°48	7°41	19°43
S 11	21 19 22	18°44'42	18°51	14°24	12°14	16°23	24° 2	6° 9	9°13	19°48	7°41	19°43
S 12	21 23 18	19°42'14	19°50	17°58	13°48	16°53	24° 6	6°11	9°13	19°49	7°41	19°44
M13	21 27 15	20°39'49	20°48	21°26	15°23	17°23	24°11	6°13	9°14	19°49	7°41	19°44
T 14	21 31 12	21°37'24	21°46	24°50	16°58	17°53	24°16	6°15	9°15	19°50	7°42	19°45
W15	21 35 8	22°35'01	22°44	28° 9	18°33	18°23	24°20	6°17	9°16	19°50	7°42	19°46
T 16	21 39 5	23°32'40	23°42	1♁24	20° 8	18°52	24°25	6°18	9°16	19°50	7°42	19°46
F 17	21 43 1	24°30'20	24°39	4°35	21°43	19°22	24°30	6°20	9°17	19°51	7°42	19°47
S 18	21 46 58	25°28'02	25°35	7°43	23°18	19°53	24°34	6°22	9°18	19°51	7°42	19°47
S 19	21 50 54	26°25'45	26°32	10°47	24°53	20°23	24°39	6°24	9°18	19°51	7°43	19°48
M20	21 54 51	27°23'30	27°28	13°48	26°27	20°53	24°44	6°26	9°19	19°52	7°43	19°48
T 21	21 58 47	28°21'16	28°24	16°46	28° 2	21°23	24°49	6°28	9°20	19°52	7°43	19°49
W22	22 2 44	29°19'03	29°20	19°42	29°37	21°53	24°53	6°29	9°20	19°52	7°43	19°50
T 23	22 6 41	0♁16'52	0♁16	22°36	1♁12	22°23	24°58	6°31	9°21	19°53	7°43	19°50
F 24	22 10 37	1°14'42	1°12	25°28	2°47	22°54	25° 3	6°33	9°22	19°53	7°43	19°51
S 25	22 14 34	2°12'34	2° 8	28°18	4°22	23°24	25° 7	6°35	9°22	19°54	7°44	19°51
S 26	22 18 30	3°10'27	3° 5	1♁ 7	5°57	23°55	25°12	6°37	9°23	19°54	7°44	19°52
M27	22 22 27	4° 8'21	4° 1	3°54	7°31	24°25	25°17	6°39	9°24	19°54	7°44	19°53
T 28	22 26 23	5° 6'17	4°58	6°41	9° 6	24°56	25°21	6°40	9°24	19°55	7°44	19°53
W29	22 30 20	6° 4'14	5°56	9°27	10°41	25°26	25°26	6°42	9°25	19°55	7°44	19°54
T 30	22 34 16	7° 2'12	6°54	12°12	12°16	25°57	25°31	6°44	9°26	19°55	7°44	19°54
F 31	22 38 13	8♁ 0'11	7♁52	14♁57	13♁51	26♁28	25♁36	6♁46	9♁27	19♁56	7♁45	19♁55

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SWISS EPHEMERIS for the year 2074
heliocentric

SEPTEMBER 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♁
S 1	22 42 10	8 ^h 58 ^m 12 ^s	8 ^h 51 ^m	17 ^h 41 ^m	15 ^h 26 ^m	26 ^h 58 ^m	25 ^h 04 ^m	6 ^h 48 ^m	9 ^h 27 ^m	19 ^h 56 ^m	7 ^h 45 ^m	19 ^h 55 ^m
S 2	22 46 6	9°56'14"	9°50'	20°26'	17° 1'	27°29'	25°45'	6°50'	9°28'	19°56'	7°45'	19°56'
M 3	22 50 3	10°54'17"	10°50'	23°11'	18°36'	28° 0'	25°50'	6°51'	9°29'	19°57'	7°45'	19°57'
T 4	22 53 59	11°52'22"	11°50'	25°56'	20°11'	28°31'	25°54'	6°53'	9°29'	19°57'	7°45'	19°57'
W 5	22 57 56	12°50'28"	12°49'	28°42'	21°46'	29° 2'	25°59'	6°55'	9°30'	19°58'	7°46'	19°58'
T 6	23 1 52	13°48'36"	13°49'	1 ^h 32 ^m 29 ^s	23°21'	29°33'	26° 4'	6°57'	9°31'	19°58'	7°46'	19°58'
F 7	23 5 49	14°46'46"	14°49'	4°17'	24°56'	0 ^h 4 ^m 4 ^s	26° 8'	6°59'	9°31'	19°58'	7°46'	19°59'
S 8	23 9 45	15°44'57"	15°49'	7° 7'	26°31'	0°35'	26°13'	7° 0'	9°32'	19°59'	7°46'	19°59'
S 9	23 13 42	16°43'11"	16°49'	9°57'	28° 6'	1° 6'	26°18'	7° 2'	9°33'	19°59'	7°46'	20° 0'
M10	23 17 38	17°41'26"	17°49'	12°50'	29°41'	1°37'	26°22'	7° 4'	9°33'	19°59'	7°46'	20° 1'
T 11	23 21 35	18°39'43"	18°48'	15°44'	1 ^h 16 ^m 16 ^s	2° 9'	26°27'	7° 6'	9°34'	20° 0'	7°47'	20° 1'
W12	23 25 32	19°38'03"	19°47'	18°41'	2°51'	2°40'	26°32'	7° 8'	9°35'	20° 0'	7°47'	20° 2'
T 13	23 29 28	20°36'24"	20°46'	21°40'	4°26'	3°11'	26°37'	7°10'	9°35'	20° 0'	7°47'	20° 2'
F 14	23 33 25	21°34'48"	21°44'	24°42'	6° 1'	3°43'	26°41'	7°11'	9°36'	20° 1'	7°47'	20° 3'
S 15	23 37 21	22°33'14"	22°42'	27°47'	7°36'	4°14'	26°46'	7°13'	9°37'	20° 1'	7°47'	20° 3'
S 16	23 41 18	23°31'41"	23°40'	0 ^h 54 ^m 54 ^s	9°11'	4°46'	26°51'	7°15'	9°38'	20° 2'	7°47'	20° 4'
M17	23 45 14	24°30'11"	24°37'	4° 6'	10°46'	5°17'	26°55'	7°17'	9°38'	20° 2'	7°48'	20° 5'
T 18	23 49 11	25°28'43"	25°34'	7°21'	12°22'	5°49'	27° 0'	7°19'	9°39'	20° 2'	7°48'	20° 5'
W19	23 53 7	26°27'17"	26°31'	10°40'	13°57'	6°21'	27° 5'	7°21'	9°40'	20° 3'	7°48'	20° 6'
T 20	23 57 4	27°25'54"	27°28'	14° 4'	15°32'	6°53'	27° 9'	7°22'	9°40'	20° 3'	7°48'	20° 6'
F 21	0 1 1	28°24'32"	28°25'	17°33'	17° 7'	7°24'	27°14'	7°24'	9°41'	20° 3'	7°48'	20° 7'
S 22	0 4 57	29°23'11"	29°21'	21° 6'	18°42'	7°56'	27°19'	7°26'	9°42'	20° 4'	7°49'	20° 8'
S 23	0 8 54	0 ^h 21 ^m 53 ^s	0 ^h 18 ^m 18 ^s	24°45'	20°18'	8°28'	27°23'	7°28'	9°42'	20° 4'	7°49'	20° 8'
M24	0 12 50	1°20'37"	1°15'	28°30'	21°53'	9° 0'	27°28'	7°30'	9°43'	20° 4'	7°49'	20° 9'
T 25	0 16 47	2°19'22"	2°13'	2 ^h 21 ^m 21 ^s	23°28'	9°32'	27°33'	7°32'	9°44'	20° 5'	7°49'	20° 9'
W26	0 20 43	3°18'10"	3°10'	6°18'	25° 4'	10° 4'	27°37'	7°33'	9°44'	20° 5'	7°49'	20°10'
T 27	0 24 40	4°16'59"	4° 9'	10°22'	26°39'	10°36'	27°42'	7°35'	9°45'	20° 6'	7°49'	20°10'
F 28	0 28 36	5°15'49"	5° 7'	14°34'	28°14'	11° 9'	27°47'	7°37'	9°46'	20° 6'	7°50'	20°11'
S 29	0 32 33	6°14'42"	6° 6'	18°53'	29°50'	11°41'	27°52'	7°39'	9°46'	20° 6'	7°50'	20°12'
S 30	0 36 30	7 ^h 13 ^m 36 ^s	7 ^h 6 ^m 6 ^s	23 ^h 20 ^m 20 ^s	1 ^h 25 ^m 25 ^s	12 ^h 13 ^m 13 ^s	27 ^h 56 ^m 56 ^s	7 ^h 41 ^m 41 ^s	9 ^h 47 ^m 47 ^s	20 ^h 57 ^m 57 ^s	7 ^h 50 ^m 50 ^s	20 ^h 12 ^m 12 ^s

Delta T = 166.30 sec.

OCTOBER 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♁
M 1	0 40 26	8 ^h 12 ^m 31 ^s	8 ^h 6 ^m 6 ^s	27 ^h 56 ^m 56 ^s	3 ^h 1 ^m 1 ^s	12 ^h 41 ^m 41 ^s	28 ^h 1 ^m 1 ^s	7 ^h 42 ^m 42 ^s	9 ^h 48 ^m 48 ^s	20 ^h 57 ^m 57 ^s	7 ^h 50 ^m 50 ^s	20 ^h 13 ^m 13 ^s
T 2	0 44 23	9°11'29"	9° 6'	2 ^h 40 ^m 40 ^s	4°36'	13°18'	28° 6'	7°44'	9°49'	20° 7'	7°50'	20°13'
W 3	0 48 19	10°10'28"	10° 7'	7°33'	6°12'	13°51'	28°10'	7°46'	9°49'	20° 8'	7°50'	20°14'
T 4	0 52 16	11° 9'29"	11° 7'	12°35'	7°47'	14°23'	28°15'	7°48'	9°50'	20° 8'	7°51'	20°14'
F 5	0 56 12	12° 8'32"	12° 8'	17°46'	9°23'	14°56'	28°20'	7°50'	9°51'	20° 8'	7°51'	20°15'
S 6	1 0 9	13° 7'37"	13° 9'	23° 6'	10°58'	15°28'	28°24'	7°52'	9°51'	20° 9'	7°51'	20°16'
S 7	1 4 5	14° 6'44"	14°10'	28°36'	12°34'	16° 1'	28°29'	7°53'	9°52'	20° 9'	7°51'	20°16'
M 8	1 8 2	15° 5'54"	15°11'	4 ^h 14 ^m 14 ^s	14° 9'	16°34'	28°34'	7°55'	9°53'	20°10'	7°51'	20°17'
T 9	1 11 59	16° 5'05"	16°11'	10° 0'	15°45'	17° 7'	28°38'	7°57'	9°53'	20°10'	7°52'	20°17'
W10	1 15 55	17° 4'19"	17°12'	15°54'	17°21'	17°40'	28°43'	7°59'	9°54'	20°10'	7°52'	20°18'
T 11	1 19 52	18° 3'35"	18°12'	21°55'	18°56'	18°13'	28°48'	8° 1'	9°55'	20°11'	7°52'	20°18'
F 12	1 23 48	19° 2'53"	19°12'	28° 2'	20°32'	18°46'	28°52'	8° 3'	9°55'	20°11'	7°52'	20°19'
S 13	1 27 45	20° 2'14"	20°11'	4 ^h 11 ^m 11 ^s	22° 8'	19°19'	28°57'	8° 4'	9°56'	20°11'	7°52'	20°20'
S 14	1 31 41	21° 1'37"	21°11'	10°31'	23°44'	19°52'	29° 2'	8° 6'	9°57'	20°12'	7°52'	20°20'
M15	1 35 38	22° 1'02"	22°10'	16°49'	25°19'	20°25'	29° 6'	8° 8'	9°57'	20°12'	7°53'	20°21'
T 16	1 39 34	23° 0'30"	23° 8'	23° 9'	26°55'	20°58'	29°11'	8°10'	9°58'	20°12'	7°53'	20°21'
W17	1 43 31	24° 0'00"	24° 6'	29°27'	28°31'	21°31'	29°16'	8°12'	9°59'	20°13'	7°53'	20°22'
T 18	1 47 28	24°59'31"	25° 4'	5 ^h 44 ^m 44 ^s	0 ^h 7 ^m 7 ^s	22° 5'	29°20'	8°13'	10° 0'	20°13'	7°53'	20°23'
F 19	1 51 24	25°59'06"	26° 2'	11°57'	1°43'	22°38'	29°25'	8°15'	10° 0'	20°14'	7°53'	20°23'
S 20	1 55 21	26°58'42"	27° 0'	18° 5'	3°19'	23°12'	29°30'	8°17'	10° 1'	20°14'	7°53'	20°24'
S 21	1 59 17	27°58'20"	27°57'	24° 7'	4°55'	23°45'	29°34'	8°19'	10° 2'	20°14'	7°54'	20°24'
M22	2 3 14	28°58'01"	28°55'	0 ^h 2 ^m 2 ^s	6°30'	24°19'	29°39'	8°21'	10° 2'	20°15'	7°54'	20°25'
T 23	2 7 10	29°57'43"	29°53'	5°49'	8° 6'	24°52'	29°44'	8°23'	10° 3'	20°15'	7°54'	20°25'
W24	2 11 7	0 ^h 57 ^m 27 ^s	0 ^h 51 ^m 51 ^s	11°27'	9°42'	25°26'	29°48'	8°24'	10° 4'	20°15'	7°54'	20°26'
T 25	2 15 3	1°57'13"	1°50'	16°55'	11°19'	26° 0'	29°53'	8°26'	10° 4'	20°16'	7°54'	20°27'
F 26	2 19 0	2°57'00"	2°49'	22°15'	12°55'	26°34'	29°58'	8°28'	10° 5'	20°16'	7°55'	20°27'
S 27	2 22 56	3°56'50"	3°48'	27°24'	14°31'	27° 8'	0 ^h 2 ^m 2 ^s	8°30'	10° 6'	20°16'	7°55'	20°28'
S 28	2 26 53	4°56'40"	4°48'	2 ^h 2 ^m 2 ^s	16° 7'	27°41'	0° 7'	8°32'	10° 6'	20°17'	7°55'	20°28'
M29	2 30 50	5°56'33"	5°48'	7°14'	17°43'	28°15'	0°12'	8°34'	10° 7'	20°17'	7°55'	20°29'
T 30	2 34 46	6°56'27"	6°49'	11°55'	19°19'	28°50'	0°16'	8°35'	10° 8'	20°18'	7°55'	20°29'
W31	2 38 43	7 ^h 56 ^m 22 ^s	7 ^h 50 ^m 50 ^s	16 ^h 2 ^m 2 ^s	20 ^h 55 ^m 55 ^s	29 ^h 24 ^m 24 ^s	0 ^h 2 ^m 2 ^s	8 ^h 37 ^m 37 ^s	10 ^h 8 ^m 8 ^s	20 ^h 18 ^m 18 ^s	7 ^h 55 ^m 55 ^s	20 ^h 30 ^m 30 ^s

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SWISS EPHEMERIS for the year 2074
heliocentric

NOVEMBER 2074

00:00 UT

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

Delta T = 166.62 sec.

DECEMBER 2074

00:00 UT

Day	Sid.t	Terra	☾	♃	♄	♅	♆	♁	♂	♆	♁	♂
S 1	4 40 56	9♎8'50	9♎4	26♂2	10♁52	17♃28	2♎46	9♂34	10♃30	20♁29	8♃1	20♃48
S 2	4 44 52	10° 9'37	10° 7	28°48	12°29	18° 4	2°50	9°36	10°30	20°30	8° 1	20°49
M 3	4 48 49	11°10'25	11° 9	1♃35	14° 7	18°40	2°55	9°37	10°31	20°30	8° 1	20°49
T 4	4 52 46	12°11'14	12°12	4°23	15°44	19°16	2°59	9°39	10°32	20°30	8° 1	20°50
W 5	4 56 42	13°12'04	13°15	7°12	17°21	19°52	3° 4	9°41	10°33	20°31	8° 2	20°50
T 6	5 0 39	14°12'55	14°17	10° 3	18°58	20°28	3° 9	9°43	10°33	20°31	8° 2	20°51
F 7	5 4 35	15°13'48	15°19	12°55	20°35	21° 4	3°13	9°45	10°34	20°31	8° 2	20°51
S 8	5 8 32	16°14'41	16°22	15°50	22°13	21°40	3°18	9°46	10°35	20°32	8° 2	20°52
S 9	5 12 28	17°15'36	17°24	18°47	23°50	22°17	3°23	9°48	10°35	20°32	8° 2	20°53
M10	5 16 25	18°16'32	18°25	21°46	25°27	22°53	3°27	9°50	10°36	20°32	8° 2	20°53
T 11	5 20 22	19°17'30	19°26	24°48	27° 5	23°29	3°32	9°52	10°37	20°33	8° 3	20°54
W12	5 24 18	20°18'28	20°27	27°52	28°42	24° 5	3°37	9°54	10°37	20°33	8° 3	20°54
T 13	5 28 15	21°19'27	21°28	1♁0	0♎19	24°42	3°41	9°56	10°38	20°34	8° 3	20°55
F 14	5 32 11	22°20'28	22°28	4°12	1°57	25°18	3°46	9°57	10°39	20°34	8° 3	20°56
S 15	5 36 8	23°21'30	23°28	7°27	3°34	25°55	3°51	9°59	10°39	20°34	8° 3	20°56
S 16	5 40 4	24°22'33	24°27	10°47	5°12	26°31	3°55	10° 1	10°40	20°35	8° 4	20°57
M17	5 44 1	25°23'36	25°26	14°11	6°49	27° 8	4° 0	10° 3	10°41	20°35	8° 4	20°57
T 18	5 47 57	26°24'41	26°25	17°39	8°27	27°44	4° 5	10° 5	10°41	20°35	8° 4	20°58
W19	5 51 54	27°25'46	27°24	21°13	10° 4	28°21	4° 9	10° 7	10°42	20°36	8° 4	20°58
T 20	5 55 51	28°26'52	28°23	24°52	11°42	28°58	4°14	10° 8	10°43	20°36	8° 4	20°59
F 21	5 59 47	29°27'59	29°23	28°37	13°19	29°34	4°19	10°10	10°44	20°36	8° 4	21° 0
S 22	6 3 44	0♁29'05	0♁22	2♂28	14°57	0♁11	4°23	10°12	10°44	20°37	8° 5	21° 0
S 23	6 7 40	1°30'12	1°22	6°26	16°34	0°48	4°28	10°14	10°45	20°37	8° 5	21° 1
M24	6 11 37	2°31'19	2°23	10°30	18°12	1°25	4°32	10°16	10°46	20°38	8° 5	21° 1
T 25	6 15 33	3°32'26	3°23	14°42	19°49	2° 2	4°37	10°17	10°46	20°38	8° 5	21° 2
W26	6 19 30	4°33'33	4°24	19° 1	21°27	2°39	4°42	10°19	10°47	20°38	8° 5	21° 2
T 27	6 23 26	5°34'41	5°26	23°29	23° 4	3°16	4°46	10°21	10°48	20°39	8° 6	21° 3
F 28	6 27 23	6°35'48	6°28	28° 5	24°42	3°53	4°51	10°23	10°48	20°39	8° 6	21° 4
S 29	6 31 20	7°36'56	7°30	2♃49	26°19	4°30	4°56	10°25	10°49	20°39	8° 6	21° 4
S 30	6 35 16	8°38'03	8°32	7°42	27°57	5° 7	5° 0	10°27	10°50	20°40	8° 6	21° 5
M31	6 39 13	9♁39'11	9♁35	12♃44	29♎34	5♁44	5♎5	10♂28	10♃50	20♁40	8♃6	21♃5

Delta T = 166.78 sec.

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