

SWISS EPHEMERIS for the year 3117 BCE

JANUARY 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
M 1	4 57 22	16 ^h 54'39	20 ^h 57	1 ^h 21	0 ^h 24	0 ^h 29	10 ^h 46	17 ^h 58	10 ^h 41	6 ^h 50	18 ^h 39	19 ^h 35	19 ^h 46	29 ^h 05	n.a.
T 2	5 1 19	17 ^h 54'54	3 ^h 37	3 ^h 3	1 ^h 26	1 ^h 15	10 ^h 59	17 ^h 55	10 ^h 44	6 ^h 52	18 ^h 40	19 ^h 35	19 ^h 43	29 ^h 12	n.a.
W 3	5 5 16	18 ^h 55'06	16 ^h 38	4 ^h 42	2 ^h 28	2 ^h 2	11 ^h 12	17 ^h 51	10 ^h 47	6 ^h 54	18 ^h 42	19 ^h 34	19 ^h 40	29 ^h 19	n.a.
T 4	5 9 12	19 ^h 55'17	0 ^h 7	6 ^h 17	3 ^h 30	2 ^h 48	11 ^h 24	17 ^h 47	10 ^h 50	6 ^h 55	18 ^h 43	19 ^h D34	19 ^h 36	29 ^h 26	n.a.
F 5	5 13 9	20 ^h 55'26	13 ^h 44	7 ^h 49	4 ^h 33	3 ^h 34	11 ^h 36	17 ^h 43	10 ^h 54	6 ^h 57	18 ^h 45	19 ^h R34	19 ^h 33	29 ^h 32	n.a.
S 6	5 17 5	21 ^h 55'33	27 ^h 45	9 ^h 16	5 ^h 36	4 ^h 20	11 ^h 49	17 ^h 40	10 ^h 57	6 ^h 59	18 ^h 46	19 ^h 34	19 ^h 30	29 ^h 39	n.a.
S 7	5 21 2	22 ^h 55'38	12 ^h 3	10 ^h 38	6 ^h 39	5 ^h 6	12 ^h 1	17 ^h 36	11 ^h 0	7 ^h 1	18 ^h 47	19 ^h 34	19 ^h 27	29 ^h 46	n.a.
M 8	5 24 58	23 ^h 55'41	26 ^h 28	11 ^h 54	7 ^h 43	5 ^h 52	12 ^h 13	17 ^h 32	11 ^h 3	7 ^h 2	18 ^h 49	19 ^h 34	19 ^h 24	29 ^h 53	n.a.
T 9	5 28 55	24 ^h 55'41	10 ^h 58	13 ^h 3	8 ^h 47	6 ^h 38	12 ^h 25	17 ^h 28	11 ^h 7	7 ^h 4	18 ^h 50	19 ^h 33	19 ^h 21	29 ^h 59	n.a.
W10	5 32 51	25 ^h 55'39	25 ^h 27	14 ^h 6	9 ^h 51	7 ^h 24	12 ^h 37	17 ^h 23	11 ^h 10	7 ^h 6	18 ^h 51	19 ^h 33	19 ^h 17	0 ^h 06	n.a.
T 11	5 36 48	26 ^h 55'35	9 ^h 50	15 ^h 1	10 ^h 55	8 ^h 10	12 ^h 49	17 ^h 19	11 ^h 13	7 ^h 7	18 ^h 53	19 ^h 32	19 ^h 14	0 ^h 13	n.a.
F 12	5 40 45	27 ^h 55'28	24 ^h 4	15 ^h 48	11 ^h 59	8 ^h 56	13 ^h 1	17 ^h 15	11 ^h 17	7 ^h 9	18 ^h 54	19 ^h D32	19 ^h 11	0 ^h 19	n.a.
S 13	5 44 41	28 ^h 55'18	8 ^h 7	16 ^h 27	13 ^h 4	9 ^h 42	13 ^h 13	17 ^h 11	11 ^h 20	7 ^h 11	18 ^h 56	19 ^h 32	19 ^h 8	0 ^h 26	n.a.
S 14	5 48 38	29 ^h 55'06	21 ^h 56	16 ^h 58	14 ^h 9	10 ^h 28	13 ^h 25	17 ^h 7	11 ^h 23	7 ^h 12	18 ^h 57	19 ^h 32	19 ^h 5	0 ^h 33	n.a.
M15	5 52 34	0 ^h 54'51	5 ^h 32	17 ^h 19	15 ^h 14	11 ^h 13	13 ^h 37	17 ^h 2	11 ^h 27	7 ^h 14	18 ^h 59	19 ^h 33	19 ^h 1	0 ^h 40	n.a.
T 16	5 56 31	1 ^h 54'34	18 ^h 54	17 ^h 32	16 ^h 19	11 ^h 59	13 ^h 48	16 ^h 58	11 ^h 30	7 ^h 15	19 ^h 0	19 ^h 34	18 ^h 58	0 ^h 46	n.a.
W17	6 0 27	2 ^h 54'14	2 ^h 3	17 ^h R36	17 ^h 25	12 ^h 45	14 ^h 0	16 ^h 53	11 ^h 34	7 ^h 17	19 ^h 2	19 ^h 35	18 ^h 55	0 ^h 53	n.a.
T 18	6 4 24	3 ^h 53'53	14 ^h 59	17 ^h 31	18 ^h 30	13 ^h 30	14 ^h 11	16 ^h 49	11 ^h 37	7 ^h 18	19 ^h 3	19 ^h R36	18 ^h 52	1 ^h 0	n.a.
F 19	6 8 20	4 ^h 53'29	27 ^h 43	17 ^h 18	19 ^h 36	14 ^h 16	14 ^h 22	16 ^h 45	11 ^h 40	7 ^h 20	19 ^h 5	19 ^h 36	18 ^h 49	1 ^h 6	n.a.
S 20	6 12 17	5 ^h 53'02	10 ^h 14	16 ^h 56	20 ^h 42	15 ^h 1	14 ^h 34	16 ^h 40	11 ^h 44	7 ^h 21	19 ^h 6	19 ^h 35	18 ^h 46	1 ^h 13	n.a.
S 21	6 16 14	6 ^h 52'34	22 ^h 34	16 ^h 27	21 ^h 48	15 ^h 47	14 ^h 45	16 ^h 36	11 ^h 47	7 ^h 22	19 ^h 8	19 ^h 33	18 ^h 42	1 ^h 20	n.a.
M22	6 20 10	7 ^h 52'03	4 ^h 44	15 ^h 52	22 ^h 55	16 ^h 32	14 ^h 56	16 ^h 31	11 ^h 51	7 ^h 24	19 ^h 9	19 ^h 30	18 ^h 39	1 ^h 27	n.a.
T 23	6 24 7	8 ^h 51'30	16 ^h 46	15 ^h 11	24 ^h 1	17 ^h 17	15 ^h 7	16 ^h 27	11 ^h 54	7 ^h 25	19 ^h 10	19 ^h 27	18 ^h 36	1 ^h 33	n.a.
W24	6 28 3	9 ^h 50'55	28 ^h 41	14 ^h 24	25 ^h 8	18 ^h 3	15 ^h 18	16 ^h 22	11 ^h 58	7 ^h 26	19 ^h 12	19 ^h 24	18 ^h 33	1 ^h 40	n.a.
T 25	6 32 0	10 ^h 50'17	10 ^h 34	13 ^h 34	26 ^h 15	18 ^h 48	15 ^h 28	16 ^h 17	12 ^h 1	7 ^h 28	19 ^h 13	19 ^h 21	18 ^h 30	1 ^h 47	n.a.
F 26	6 35 56	11 ^h 49'38	22 ^h 27	12 ^h 42	27 ^h 22	19 ^h 33	15 ^h 39	16 ^h 13	12 ^h 4	7 ^h 29	19 ^h 15	19 ^h 19	18 ^h 27	1 ^h 53	n.a.
S 27	6 39 53	12 ^h 48'57	4 ^h 24	11 ^h 47	28 ^h 29	20 ^h 19	15 ^h 50	16 ^h 8	12 ^h 8	7 ^h 30	19 ^h 17	19 ^h 17	18 ^h 23	2 ^h 0	n.a.
S 28	6 43 50	13 ^h 48'13	16 ^h 30	10 ^h 53	29 ^h 36	21 ^h 4	16 ^h 0	16 ^h 4	12 ^h 11	7 ^h 31	19 ^h 18	19 ^h D17	18 ^h 20	2 ^h 7	n.a.
M29	6 47 46	14 ^h 47'28	28 ^h 50	9 ^h 59	0 ^h 43	21 ^h 49	16 ^h 10	15 ^h 59	12 ^h 15	7 ^h 32	19 ^h 20	19 ^h 18	18 ^h 17	2 ^h 14	n.a.
T 30	6 51 43	15 ^h 46'41	11 ^h 29	9 ^h 7	1 ^h 51	22 ^h 34	16 ^h 21	15 ^h 54	12 ^h 18	7 ^h 34	19 ^h 21	19 ^h 19	18 ^h 14	2 ^h 20	n.a.
W31	6 55 39	16 ^h 45'52	24 ^h 12	8 ^h 18	2 ^h 58	23 ^h 19	16 ^h 31	15 ^h 50	12 ^h 21	7 ^h 35	19 ^h 23	19 ^h I21	18 ^h 11	2 ^h 27	n.a.

Delta T = 22h42m07s Julian Calendar 1 Jan. 3117 BCE == Greg. Calendar 6 Dec. 3118 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

FEBRUARY 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	6 59 36	17 ^h 45'00	7 ^h 54	7 ^h R33	4 ^h 6	24 ^h 3 4	16 ^h 41	15 ^h R45	12 ^h 25	7 ^h 36	19 ^h 24	19 ^h I22	18 ^h I 7	2 ^h 34	n.a.
F 2	7 3 32	18 ^h 44'07	21 ^h 45	6 ^h 51	5 ^h 14	24 ^h 49	16 ^h 51	15 ^h 40	12 ^h 28	7 ^h 37	19 ^h 26	19 ^h R23	18 ^h 4	2 ^h 40	n.a.
S 3	7 7 29	19 ^h 43'12	6 ^h 3	6 ^h 15	6 ^h 22	25 ^h 34	17 ^h 1	15 ^h 36	12 ^h 32	7 ^h 38	19 ^h 27	19 ^h 22	18 ^h 1	2 ^h 47	n.a.
S 4	7 11 25	20 ^h 42'14	20 ^h 37	5 ^h 43	7 ^h 30	26 ^h 18	17 ^h 10	15 ^h 31	12 ^h 35	7 ^h 39	19 ^h 29	19 ^h 19	17 ^h 58	2 ^h 54	n.a.
M 5	7 15 22	21 ^h 41'15	5 ^h 29	5 ^h 17	8 ^h 38	27 ^h 3	17 ^h 20	15 ^h 27	12 ^h 39	7 ^h 40	19 ^h 30	19 ^h 15	17 ^h 55	3 ^h 1	n.a.
T 6	7 19 19	22 ^h 40'12	20 ^h 26	4 ^h 57	9 ^h 46	27 ^h 48	17 ^h 29	15 ^h 22	12 ^h 42	7 ^h 41	19 ^h 32	19 ^h 11	17 ^h 52	3 ^h 7	n.a.
W 7	7 23 15	23 ^h 39'08	5 ^h 21	4 ^h 42	10 ^h 55	28 ^h 33	17 ^h 39	15 ^h 17	12 ^h 45	7 ^h 41	19 ^h 33	19 ^h 6	17 ^h 48	3 ^h 14	n.a.
T 8	7 27 12	24 ^h 38'01	20 ^h 6	4 ^h 33	12 ^h 3	29 ^h 17	17 ^h 48	15 ^h 13	12 ^h 49	7 ^h 42	19 ^h 35	19 ^h 1	17 ^h 45	3 ^h 21	n.a.
F 9	7 31 8	25 ^h 36'51	4 ^h 34	4 ^h D30	13 ^h 11	0 ^h 2	17 ^h 57	15 ^h 8	12 ^h 52	7 ^h 43	19 ^h 36	18 ^h 58	17 ^h 42	3 ^h 28	n.a.
S 10	7 35 5	26 ^h 35'39	18 ^h 42	4 ^h 32	14 ^h 20	0 ^h 46	18 ^h 6	15 ^h 4	12 ^h 55	7 ^h 44	19 ^h 38	18 ^h 56	17 ^h 39	3 ^h 34	n.a.
S 11	7 39 1	27 ^h 34'24	2 ^h 28	4 ^h 40	15 ^h 29	1 ^h 31	18 ^h 15	14 ^h 59	12 ^h 59	7 ^h 45	19 ^h 39	18 ^h D56	17 ^h 36	3 ^h 41	n.a.
M12	7 42 58	28 ^h 33'07	15 ^h 54	4 ^h 52	16 ^h 37	2 ^h 15	18 ^h 24	14 ^h 55	13 ^h 2	7 ^h 45	19 ^h 41	18 ^h 57	17 ^h 33	3 ^h 48	n.a.
T 13	7 46 54	29 ^h 31'48	29 ^h 0	5 ^h 10	17 ^h 46	3 ^h 0	18 ^h 32	14 ^h 51	13 ^h 5	7 ^h 46	19 ^h 42	18 ^h 59	17 ^h 29	3 ^h 54	n.a.
W14	7 50 51	0 ^h 30'26	11 ^h I50	5 ^h 32	18 ^h 55	3 ^h 44	18 ^h 41	14 ^h 46	13 ^h 9	7 ^h 47	19 ^h 44	19 ^h 0	17 ^h 26	4 ^h 1	n.a.
T 15	7 54 48	1 ^h 29'02	24 ^h 27	5 ^h 59	20 ^h 4	4 ^h 28	18 ^h 49	14 ^h 42	13 ^h 12	7 ^h 47	19 ^h 45	19 ^h R 0	17 ^h 23	4 ^h 8	n.a.
F 16	7 58 44	2 ^h 27'35	6 ^h 52	6 ^h 30	21 ^h 13	5 ^h 13	18 ^h 58	14 ^h 38	13 ^h 15	7 ^h 48	19 ^h 47	18 ^h 58	17 ^h 20	4 ^h 15	n.a.
S 17	8 2 41	3 ^h 26'06	19 ^h 8	7 ^h 6	22 ^h 22	5 ^h 57	19 ^h 6	14 ^h 33	13 ^h 19	7 ^h 49	19 ^h 48	18 ^h 54	17 ^h 17	4 ^h 21	n.a.
S 18	8 6 37	4 ^h 24'35	1 ^h 16	7 ^h 45	23 ^h 32	6 ^h 41	19 ^h 14	14 ^h 29	13 ^h 22	7 ^h 49	19 ^h 50	18 ^h 49	17 ^h 13	4 ^h 28	n.a.
M19	8 10 34	5 ^h 23'02	13 ^h 17	8 ^h 2											

SWISS EPHEMERIS for the year 3117 BCE

MARCH 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	8 53 56	16♈3'51	29♌51	19♋45	7♋27	15♈26	20♌38	13°R43	13♋59	7♌53	20♋7	17°R56	16♌35	5♍49	n.a.		
S 2	8 57 52	17° 1'57	14♋3	21° 2	8°37	16°10	20°44	13♋39	14° 2	7°53	20° 8	17♌54	16°32	5°55	n.a.		
S 3	9 1 49	18° 0'00	28°50	22°21	9°47	16°53	20°50	13°36	14° 5	7°53	20°10	17°49	16°29	6° 2	n.a.		
M 4	9 5 46	18°58'02	13♈53	23°42	10°57	17°37	20°56	13°32	14° 8	7°53	20°11	17°42	16°26	6° 9	n.a.		
T 5	9 9 42	19°56'02	29° 7	25° 5	12° 8	18°20	21° 2	13°29	14°11	7°R53	20°12	17°33	16°23	6°16	n.a.		
W 6	9 13 39	20°54'00	14♌22	26°31	13°18	19° 3	21° 7	13°26	14°14	7°53	20°14	17°23	16°19	6°22	n.a.		
T 7	9 17 35	21°51'56	29°26	27°58	14°28	19°46	21°12	13°23	14°17	7°53	20°15	17°15	16°16	6°29	n.a.		
F 8	9 21 32	22°49'49	14♌11	29°28	15°38	20°30	21°18	13°20	14°20	7°53	20°16	17° 8	16°13	6°36	n.a.		
S 9	9 25 28	23°47'41	28°30	0♈59	16°49	21°13	21°22	13°17	14°23	7°53	20°18	17° 3	16°10	6°42	n.a.		
S 10	9 29 25	24°45'31	12♋23	2°32	17°59	21°56	21°27	13°14	14°26	7°53	20°19	17° 1	16° 7	6°49	n.a.		
M11	9 33 21	25°43'19	25°49	4° 8	19°10	22°39	21°32	13°11	14°28	7°52	20°20	17°D 0	16° 4	6°56	n.a.		
T 12	9 37 18	26°41'05	8♌51	5°45	20°20	23°22	21°36	13° 8	14°31	7°52	20°22	17° 0	16° 0	7° 3	n.a.		
W13	9 41 15	27°38'49	21°33	7°24	21°31	24° 4	21°41	13° 6	14°34	7°52	20°23	17°R 0	15°57	7° 9	n.a.		
T 14	9 45 11	28°36'32	3♋58	9° 5	22°41	24°47	21°45	13° 3	14°37	7°52	20°24	16°59	15°54	7°16	n.a.		
F 15	9 49 8	29°34'12	16°12	10°49	23°52	25°30	21°49	13° 0	14°39	7°51	20°25	16°56	15°51	7°23	n.a.		
S 16	9 53 4	0♈31'51	28°17	12°34	25° 3	26°13	21°52	12°58	14°42	7°51	20°27	16°50	15°48	7°30	n.a.		
S 17	9 57 1	1°29'28	10♌16	14°20	26°13	26°56	21°56	12°56	14°44	7°51	20°28	16°41	15°44	7°36	n.a.		
M18	10 0 57	2°27'03	22°11	16° 9	27°24	27°38	21°59	12°54	14°47	7°50	20°29	16°30	15°41	7°43	n.a.		
T 19	10 4 54	3°24'36	4♌ 4	18° 0	28°35	28°21	22° 3	12°51	14°50	7°50	20°30	16°17	15°38	7°50	n.a.		
W20	10 8 50	4°22'09	15°57	19°53	29°46	29° 3	22° 6	12°49	14°52	7°49	20°31	16° 3	15°35	7°56	n.a.		
T 21	10 12 47	5°19'39	27°50	21°48	0♈56	29°46	22° 9	12°47	14°55	7°49	20°32	15°50	15°32	8° 3	n.a.		
F 22	10 16 44	6°17'09	9♌46	23°44	2° 7	0♈28	22°11	12°46	14°57	7°48	20°34	15°38	15°29	8°10	n.a.		
S 23	10 20 40	7°14'37	21°47	25°42	3°18	1°10	22°14	12°44	14°59	7°48	20°35	15°29	15°25	8°17	n.a.		
S 24	10 24 37	8°12'04	3♌55	27°43	4°29	1°53	22°16	12°42	15° 2	7°47	20°36	15°23	15°22	8°23	n.a.		
M25	10 28 33	9° 9'30	16°13	29°45	5°40	2°35	22°18	12°41	15° 4	7°46	20°37	15°19	15°19	8°30	n.a.		
T 26	10 32 30	10° 6'55	28°46	1♌48	6°51	3°17	22°20	12°39	15° 6	7°46	20°38	15°17	15°16	8°37	n.a.		
W27	10 36 26	11° 4'19	11♌38	3°53	8° 3	3°59	22°22	12°38	15° 9	7°45	20°39	15°17	15°13	8°43	n.a.		
T 28	10 40 23	12° 1'42	24°53	6° 0	9°14	4°42	22°24	12°36	15°11	7°44	20°40	15°17	15°10	8°50	n.a.		
F 29	10 44 19	12°59'04	8♋34	8° 8	10°25	5°24	22°25	12°35	15°13	7°44	20°41	15°16	15° 6	8°57	n.a.		
S 30	10 48 16	13°56'25	22°43	10°17	11°36	6° 6	22°26	12°34	15°15	7°43	20°42	15°13	15° 3	9° 4	n.a.		
S 31	10 52 13	14♌53'46	7♈19	12♌27	12♈47	6♌48	22♌27	12♋33	15♋17	7♌42	20♋43	15♌ 7	15♌ 0	9♍10	n.a.		

Delta T = 22h42m01s Julian Calendar 1 March 3117 BCE == Greg. Calendar 4 Feb. 3117 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

APRIL 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	10 56 9	15♌51'05	22♌18	14♌38	13♈59	7♌30	22♌28	12°R32	15♋19	7°R41	20♋44	14°R59	14♌57	9♍17	n.a.		
T 2	11 0 6	16°48'23	7♌32	16°49	15°10	8°12	22°29	12♋31	15°21	7°R41	20°45	14♌49	14°54	9°24	n.a.		
W 3	11 4 2	17°45'40	22°51	19° 0	16°21	8°53	22°29	12°31	15°23	7°40	20°46	14°38	14°50	9°31	n.a.		
T 4	11 7 59	18°42'57	8♌ 3	21°11	17°33	9°35	22°29	12°30	15°25	7°39	20°47	14°27	14°47	9°37	n.a.		
F 5	11 11 55	19°40'12	22°57	23°22	18°44	10°17	22°R29	12°29	15°27	7°38	20°48	14°19	14°44	9°44	n.a.		
S 6	11 15 52	20°37'26	7♋27	25°32	19°56	10°59	22°29	12°29	15°29	7°37	20°49	14°13	14°41	9°51	n.a.		
S 7	11 19 48	21°34'39	21°28	27°42	21° 7	11°40	22°29	12°29	15°31	7°36	20°49	14° 9	14°38	9°57	n.a.		
M 8	11 23 45	22°31'50	5♌ 0	29°50	22°19	12°22	22°29	12°28	15°33	7°35	20°50	14° 8	14°35	10° 4	n.a.		
T 9	11 27 41	23°29'01	18° 5	1°V57	23°30	13° 3	22°28	12°28	15°34	7°34	20°51	14° 8	14°31	10°11	n.a.		
W10	11 31 38	24°26'11	0♈47	4° 2	24°42	13°45	22°27	12°D28	15°36	7°33	20°52	14° 8	14°28	10°18	n.a.		
T 11	11 35 35	25°23'19	13°10	6° 6	25°54	14°26	22°26	12°28	15°38	7°32	20°53	14° 7	14°25	10°24	n.a.		
F 12	11 39 31	26°20'27	25°19	8° 8	27° 5	15° 8	22°25	12°29	15°39	7°31	20°53	14° 4	14°22	10°31	n.a.		
S 13	11 43 28	27°17'33	7♌19	10° 7	28°17	15°49	22°23	12°29	15°41	7°30	20°54	13°58	14°19	10°38	n.a.		
S 14	11 47 24	28°14'39	19°14	12° 5	29°29	16°30	22°22	12°29	15°43	7°28	20°55	13°50	14°15	10°45	n.a.		
M15	11 51 21	29°11'43	1♌ 6	14° 0	0♌40	17°11	22°20	12°30	15°44	7°27	20°56	13°39	14°12	10°51	n.a.		
T 16	11 55 17	0♌ 8'47	12°58	15°53	1°52	17°53	22°18	12°30	15°46	7°26	20°56	13°27	14° 9	10°58	n.a.		
W17	11 59 14	1° 5'51	24°52	17°44	3° 4	18°34	22°16	12°31	15°47	7°25	20°57	13°14	14° 6	11° 5	n.a.		
T 18	12 3 10	2° 2'53	6♌50	19°32	4°16	19°15	22°13	12°32	15°48	7°24	20°58	13° 2	14° 3	11°11	n.a.		
F 19	12 7 7	2°59'55	18°53	21°18	5°28	19°56	22°11	12°33	15°50	7°22	20°58	12°51	14° 0	11°18	n.a.		
S 20	12 11 4	3°56'57	1♌ 1	23° 1	6°40	20°37	22° 8	12°34	15°51	7°21	20°59	12°42	13°56	11°25	n.a.		
S 21	12 15 0	4°53'59	13°18	24°42	7°52	21°18	22° 5	12°35	15°52	7°20	20°59	12°36	13°53	11°32	n.a.		
M22	12 18 57	5°51'00	25°44	26°21	9° 4	21°59	22° 2	12°36	15°53	7°18	21° 0	12°32	13°50	11°38	n.a.		
T 23	12 22 53	6°48'01	8♌24	27°56	10°16	22°39	21°59	12°37	15°54	7°17	21° 0	12°D31	13°47	11°45	n.a.		
W24	12 26 50	7°45'02	21°19	29°30	11°28	23°20	21°55	12°38	15°55	7°16	21° 1	12°31	13°44	11°52	n.a.		
T 25	12 30 46	8°42'03	4♋33	1♌ 1	12°40	24° 1	21°52	12°40	15°57	7°14	21° 1	12°R32	13°41	11°59	n.a.		
F 26	12 34 43	9°39'04	18° 9	2°29	13°52	24°42	21°48	12°41	15°58	7°13	21° 2	12°31	13°37	12° 5	n.a.		
S 27	12 38 39	10°36'05	2♈ 9	3°55	15° 4	25°22	21°44	12°43	15°58	7°12	21° 2	12°30	13°34	12°12	n.a.		
S 28	12 42 36	11°33'06	16°33	5°18	16°16	26° 3	21°40	12°45	15°59	7°10	21° 3	12°26	13°31	12°19	n.a.		
M29	12 46 33	12°30'07	1♌18	6°38	17°29	26°44	21°36	12°47	16° 0	7° 9	21° 3	12°19	13°28	12°25	n.a.		
T 30	12 50 29	13°V27'09	16♌17	7♋56	18♌41	27♌24	21♌31	12♋49	16♋ 1	7♌ 7	21♋ 4	12♌12	13♌25	12♍32	n.a.		

Delta T = 22h41m59s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 3117 BCE

MAY 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
W 1	12 54 26	14°Y24'10	1°Y24	9♂11	19♂53	28♂ 5	21°R26	12♂51	16♂ 2	7°R 6	21♂ 4	12°R 3	13♂21	12♂39	n.a.
T 2	12 58 22	15°21'11	16°28	10°23	21° 6	28°45	21♂22	12°53	16° 2	7♂ 5	21° 4	11♂55	13°18	12°46	n.a.
F 3	13 2 19	16°18'12	1♂18	11°32	22°18	29°26	21°17	12°55	16° 3	7° 3	21° 5	11°48	13°15	12°52	n.a.
S 4	13 6 15	17°15'13	15°48	12°39	23°30	0°Y 6	21°12	12°57	16° 4	7° 2	21° 5	11°43	13°12	12°59	n.a.
S 5	13 10 12	18°12'15	29°52	13°42	24°43	0°46	21° 6	13° 0	16° 4	7° 0	21° 5	11°41	13° 9	13° 6	n.a.
M 6	13 14 8	19° 9'16	13♂29	14°42	25°55	1°27	21° 1	13° 2	16° 5	6°59	21° 5	11°D40	13° 6	13°12	n.a.
T 7	13 18 5	20° 6'17	26°38	15°39	27° 8	2° 7	20°55	13° 5	16° 5	6°57	21° 6	11°41	13° 2	13°19	n.a.
W 8	13 22 2	21° 3'17	9♂24	16°33	28°20	2°47	20°50	13° 7	16° 6	6°55	21° 6	11°42	12°59	13°26	n.a.
T 9	13 25 58	22° 0'18	21°49	17°23	29°33	3°27	20°44	13°10	16° 6	6°54	21° 6	11°R43	12°56	13°33	n.a.
F 10	13 29 55	22°57'19	3♂59	18°10	0°Y46	4° 7	20°38	13°13	16° 6	6°52	21° 6	11°42	12°53	13°39	n.a.
S 11	13 33 51	23°54'19	15°59	18°54	1°58	4°47	20°32	13°16	16° 7	6°51	21° 6	11°39	12°50	13°46	n.a.
S 12	13 37 48	24°51'20	27°53	19°33	3°11	5°27	20°26	13°19	16° 7	6°49	21° 6	11°35	12°47	13°53	n.a.
M13	13 41 44	25°48'21	9♂46	20° 9	4°23	6° 7	20°20	13°22	16° 7	6°48	21° 6	11°29	12°43	14° 0	n.a.
T 14	13 45 41	26°45'22	21°39	20°40	5°36	6°47	20°13	13°25	16° 7	6°46	21° 7	11°21	12°40	14° 6	n.a.
W15	13 49 37	27°42'23	3♂37	21° 7	6°49	7°27	20° 7	13°28	16° 7	6°44	21° 7	11°13	12°37	14°13	n.a.
T 16	13 53 34	28°39'24	15°41	21°30	8° 2	8° 7	20° 0	13°32	16°R 7	6°43	21°R 7	11° 6	12°34	14°20	n.a.
F 17	13 57 30	29°36'26	27°53	21°49	9°15	8°46	19°53	13°35	16° 7	6°41	21° 7	10°59	12°31	14°26	n.a.
S 18	14 1 27	0♂33'28	10♂14	22° 3	10°27	9°26	19°46	13°39	16° 7	6°40	21° 7	10°54	12°27	14°33	n.a.
S 19	14 5 24	1°30'31	22°45	22°12	11°40	10° 6	19°39	13°42	16° 7	6°38	21° 7	10°50	12°24	14°40	n.a.
M20	14 9 20	2°27'35	5♂27	22°R17	12°53	10°45	19°32	13°46	16° 7	6°36	21° 6	10°D49	12°21	14°47	n.a.
T 21	14 13 17	3°24'39	18°21	22°17	14° 6	11°25	19°25	13°50	16° 7	6°35	21° 6	10°49	12°18	14°53	n.a.
W22	14 17 13	4°21'45	1♂29	22°12	15°19	12° 5	19°18	13°54	16° 7	6°33	21° 6	10°50	12°15	15° 0	n.a.
T 23	14 21 10	5°18'51	14°52	22° 2	16°32	12°44	19°11	13°58	16° 6	6°32	21° 6	10°51	12°12	15° 7	n.a.
F 24	14 25 6	6°15'58	28°31	21°47	17°45	13°24	19° 3	14° 2	16° 6	6°30	21° 6	10°53	12° 8	15°14	n.a.
S 25	14 29 3	7°13'06	12♂27	21°28	18°58	14° 3	18°56	14° 6	16° 6	6°28	21° 6	10°R53	12° 5	15°20	n.a.
S 26	14 32 59	8°10'15	26°40	21° 5	20°11	14°42	18°49	14°10	16° 5	6°27	21° 6	10°51	12° 2	15°27	n.a.
M27	14 36 56	9° 7'26	11♂ 8	20°37	21°25	15°22	18°41	14°14	16° 5	6°25	21° 5	10°49	11°59	15°34	n.a.
T 28	14 40 53	10° 4'37	25°47	20° 5	22°38	16° 1	18°34	14°18	16° 4	6°23	21° 5	10°45	11°56	15°40	n.a.
W29	14 44 49	11° 1'50	10°Y31	19°30	23°51	16°40	18°26	14°23	16° 3	6°22	21° 5	10°41	11°52	15°47	n.a.
T 30	14 48 46	11°59'03	25°13	18°53	25° 4	17°20	18°18	14°27	16° 3	6°20	21° 5	10°37	11°49	15°54	n.a.
F 31	14 52 42	12♂56'18	9♂46	18♂12	26°Y18	17°Y59	18♂11	14♂32	16♂ 2	6♂19	21♂ 4	10♂34	11♂46	16♂ 1	n.a.

Delta T = 22h41m56s Julian Calendar 1 May 3117 BCE == Greg. Calendar 5 Apr. 3117 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

JUNE 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
S 1	14 56 39	13♂53'33	24♂ 3	17°R30	27°Y31	18°Y38	18°R 3	14♂36	16°R 1	6°R17	21°R 4	10°R32	11♂43	16♂ 7	n.a.
S 2	15 0 35	14°50'50	8♂ 0	16♂47	28°44	19°17	17♂55	14°41	16♂ 1	6♂15	21♂ 4	10°D31	11°40	16°14	n.a.
M 3	15 4 32	15°48'07	21°33	16° 4	29°58	19°56	17°47	14°46	16° 0	6°14	21° 3	10♂31	11°37	16°21	n.a.
T 4	15 8 28	16°45'26	4♂43	15°21	1♂11	20°35	17°40	14°51	15°59	6°12	21° 3	10°32	11°33	16°28	n.a.
W 5	15 12 25	17°42'45	17°31	14°40	2°25	21°14	17°32	14°56	15°58	6°11	21° 2	10°34	11°30	16°34	n.a.
T 6	15 16 22	18°40'06	29°59	14° 0	3°38	21°53	17°24	15° 0	15°57	6° 9	21° 2	10°35	11°27	16°41	n.a.
F 7	15 20 18	19°37'27	12♂12	13°24	4°52	22°32	17°16	15° 5	15°56	6° 8	21° 1	10°36	11°24	16°48	n.a.
S 8	15 24 15	20°34'49	24°13	12°51	6° 5	23°11	17° 9	15°11	15°55	6° 6	21° 1	10°R36	11°21	16°54	n.a.
S 9	15 28 11	21°32'12	6♂ 8	12°22	7°19	23°50	17° 1	15°16	15°54	6° 4	21° 0	10°36	11°18	17° 1	n.a.
M10	15 32 8	22°29'35	18° 2	11°58	8°33	24°29	16°53	15°21	15°53	6° 3	21° 0	10°34	11°14	17° 8	n.a.
T 11	15 36 4	23°27'00	29°57	11°39	9°46	25° 7	16°45	15°26	15°52	6° 1	20°59	10°32	11°11	17°15	n.a.
W12	15 40 1	24°24'26	11♂58	11°26	11° 0	25°46	16°38	15°32	15°51	6° 0	20°59	10°30	11° 8	17°21	n.a.
T 13	15 43 57	25°21'53	24° 9	11°19	12°14	26°25	16°30	15°37	15°49	5°58	20°58	10°27	11° 5	17°28	n.a.
F 14	15 47 54	26°19'22	6♂30	11°D18	13°27	27° 3	16°23	15°42	15°48	5°57	20°58	10°25	11° 2	17°35	n.a.
S 15	15 51 51	27°16'52	19° 5	11°24	14°41	27°42	16°15	15°48	15°47	5°55	20°57	10°24	10°58	17°41	n.a.
S 16	15 55 47	28°14'23	1♂54	11°37	15°55	28°20	16° 8	15°53	15°45	5°54	20°56	10°23	10°55	17°48	n.a.
M17	15 59 44	29°11'55	14°56	11°56	17° 9	28°59	16° 0	15°59	15°44	5°52	20°56	10°D23	10°52	17°55	n.a.
T 18	16 3 40	0♂ 9'30	28°13	12°23	18°23	29°37	15°53	16° 5	15°42	5°51	20°55	10°23	10°49	18° 2	n.a.
W19	16 7 37	1° 7'06	11♂43	12°57	19°37	0♂16	15°46	16°10	15°41	5°49	20°54	10°24	10°46	18° 8	n.a.
T 20	16 11 33	2° 4'43	25°24	13°37	20°51	0°54	15°38	16°16	15°39	5°48	20°54	10°25	10°43	18°15	n.a.
F 21	16 15 30	3° 2'23	9♂17	14°24	22° 5	1°33	15°31	16°22	15°38	5°47	20°53	10°26	10°39	18°22	n.a.
S 22	16 19 27	4° 0'04	23°20	15°18	23°19	2°11	15°24	16°28	15°36	5°45	20°52	10°26	10°36	18°29	n.a.
S 23	16 23 23	4°57'47	7♂30	16°18	24°33	2°49	15°17	16°34	15°35	5°44	20°51	10°R26	10°33	18°35	n.a.
M24	16 27 20	5°55'32	21°46	17°25	25°47	3°27	15°11	16°40	15°33	5°43	20°51	10°26	10°30	18°42	n.a.
T 25	16 31 16	6°53'19	6°Y 5	18°37	27° 1	4° 6	15° 4	16°46	15°31	5°41	20°50	10°26	10°27	18°49	n.a.
W26	16 35 13	7°51'08	20°24	19°56	28°15	4°44	14°57	16°52	15°30	5°40	20°49	10°25	10°24	18°55	n.a.
T 27	16 39 9	8°48'59	4♂38	21°19	29°30	5°22	14°51	16°58	15°28	5°39	20°48	10°25	10°20	19° 2	n.a.
F 28	16 43 6	9°46'52	18°45	22°48	0♂44	6° 0	14°44	17° 4	15°26	5°37	20°47	10°25	10°17	19° 9	n.a.
S 29	16 47 2	10°44'47	2♂39	24°22	1°58	6°38	14°38	17°11	15°24	5°36	20°46	10°D25	10°14	19°16	n.a.
S 30	16 50 59	11♂42'43	16♂18	25♂59	3♂12	7♂16	14♂32	17♂17	15♂22	5♂35	20♂46	10°R25	10♂11	19♂22	n.a.

Delta T = 22h41m53s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 3117 BCE

JULY 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	16 54 56	12II40'42	29II40	27♄41	4II27	7♃54	14°R26	17♁23	15°R20	5°R34	20°R45	10°R25	10II 8	19♎29	n.a.		
T 2	16 58 52	13°38'42	12♁42	29°26	5°41	8°32	14II20	17°30	15♁18	5♎32	20♁44	10II25	10° 4	19°36	n.a.		
W 3	17 2 49	14°36'44	25°27	1II14	6°55	9°10	14°14	17°36	15°16	5°31	20°43	10°24	10° 1	19°43	n.a.		
T 4	17 6 45	15°34'48	7♁55	3° 4	8°10	9°48	14° 9	17°42	15°14	5°30	20°42	10°24	9°58	19°49	n.a.		
F 5	17 10 42	16°32'53	20° 8	4°57	9°24	10°25	14° 3	17°49	15°12	5°29	20°41	10°23	9°55	19°56	n.a.		
S 6	17 14 38	17°31'00	2II10	6°51	10°39	11° 3	13°58	17°55	15°10	5°28	20°40	10°22	9°52	20° 3	n.a.		
S 7	17 18 35	18°29'08	14° 6	8°46	11°53	11°41	13°53	18° 2	15° 8	5°27	20°39	10°D22	9°49	20° 9	n.a.		
M 8	17 22 31	19°27'18	25°59	10°43	13° 8	12°18	13°48	18° 9	15° 6	5°26	20°38	10°22	9°45	20°16	n.a.		
T 9	17 26 28	20°25'30	7♁54	12°40	14°22	12°56	13°43	18°15	15° 4	5°25	20°37	10°23	9°42	20°23	n.a.		
W10	17 30 25	21°23'44	19°56	14°37	15°37	13°34	13°38	18°22	15° 2	5°24	20°36	10°23	9°39	20°30	n.a.		
T 11	17 34 21	22°21'59	2II10	16°35	16°52	14°11	13°34	18°29	15° 0	5°23	20°35	10°25	9°36	20°36	n.a.		
F 12	17 38 18	23°20'16	14°38	18°32	18° 6	14°49	13°29	18°35	14°58	5°22	20°34	10°26	9°33	20°43	n.a.		
S 13	17 42 14	24°18'35	27°23	20°29	19°21	15°26	13°25	18°42	14°55	5°21	20°33	10°27	9°30	20°50	n.a.		
S 14	17 46 11	25°16'56	10♁28	22°25	20°36	16° 4	13°21	18°49	14°53	5°20	20°32	10°R27	9°26	20°56	n.a.		
M15	17 50 7	26°15'19	23°52	24°21	21°50	16°41	13°17	18°56	14°51	5°19	20°31	10°26	9°23	21° 3	n.a.		
T 16	17 54 4	27°13'45	7♁33	26°16	23° 5	17°18	13°14	19° 2	14°49	5°18	20°30	10°25	9°20	21°10	n.a.		
W17	17 58 0	28°12'12	21°31	28°10	24°20	17°56	13°10	19° 9	14°46	5°17	20°28	10°23	9°17	21°17	n.a.		
T 18	18 1 57	29°10'42	5♁40	0♁ 3	25°35	18°33	13° 7	19°16	14°44	5°17	20°27	10°21	9°14	21°23	n.a.		
F 19	18 5 54	0♁ 9'13	19°56	1°55	26°50	19°10	13° 4	19°23	14°42	5°16	20°26	10°18	9°10	21°30	n.a.		
S 20	18 9 50	1° 7'48	4♁16	3°46	28° 4	19°47	13° 1	19°30	14°40	5°15	20°25	10°16	9° 7	21°37	n.a.		
S 21	18 13 47	2° 6'24	18°34	5°36	29°19	20°24	12°58	19°37	14°37	5°14	20°24	10°15	9° 4	21°44	n.a.		
M22	18 17 43	3° 5'03	2♁49	7°26	0♁34	21° 1	12°55	19°44	14°35	5°14	20°23	10°D14	9° 1	21°50	n.a.		
T 23	18 21 40	4° 3'44	16°56	9°14	1°49	21°38	12°53	19°51	14°32	5°13	20°22	10°14	8°58	21°57	n.a.		
W24	18 25 36	5° 2'28	0♁55	11° 1	3° 4	22°16	12°51	19°58	14°30	5°12	20°20	10°16	8°55	22° 4	n.a.		
T 25	18 29 33	6° 1'15	14°45	12°47	4°19	22°52	12°49	20° 5	14°28	5°12	20°19	10°17	8°51	22°10	n.a.		
F 26	18 33 29	7° 0'04	28°24	14°32	5°34	23°29	12°47	20°12	14°25	5°11	20°18	10°18	8°48	22°17	n.a.		
S 27	18 37 26	7°58'55	11II52	16°16	6°49	24° 6	12°45	20°19	14°23	5°11	20°17	10°R19	8°45	22°24	n.a.		
S 28	18 41 23	8°57'49	25° 8	17°59	8° 4	24°43	12°44	20°26	14°21	5°10	20°16	10°18	8°42	22°31	n.a.		
M29	18 45 19	9°56'45	8♁10	19°41	9°19	25°20	12°43	20°34	14°18	5°10	20°15	10°16	8°39	22°37	n.a.		
T 30	18 49 16	10°55'44	20°59	21°22	10°34	25°57	12°42	20°41	14°16	5° 9	20°13	10°12	8°36	22°44	n.a.		
W31	18 53 12	11♁54'44	3♁34	23♁ 2	11♁49	26♁33	12II41	20♁48	14♁13	5♎ 9	20♁12	10II 7	8II32	22II51	n.a.		

Delta T = 22h41m50s Julian Calendar 1 July 3117 BCE == Greg. Calendar 5 June 3117 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

AUGUST 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	18 57 9	12♁53'47	15♁56	24♁41	13♁ 5	27♄10	12°R40	20♁55	14°R11	5°R 9	20°R11	10°R 1	8II29	22II58	n.a.		
F 2	19 1 5	13°52'51	28° 6	26°19	14°20	27°47	12II40	21° 2	14♁ 8	5♎ 8	20♁10	9II55	8°26	23° 4	n.a.		
S 3	19 5 2	14°51'58	10II 7	27°56	15°35	28°23	12°39	21° 9	14° 6	5° 8	20° 9	9°50	8°23	23°11	n.a.		
S 4	19 8 58	15°51'07	22° 1	29°32	16°50	29° 0	12°D39	21°16	14° 4	5° 8	20° 7	9°46	8°20	23°18	n.a.		
M 5	19 12 55	16°50'17	3♁53	1♁ 8	18° 5	29°36	12°39	21°24	14° 1	5° 7	20° 6	9°43	8°16	23°24	n.a.		
T 6	19 16 52	17°49'30	15°46	2°42	19°20	0II13	12°40	21°31	13°59	5° 7	20° 5	9°D42	8°13	23°31	n.a.		
W 7	19 20 48	18°48'45	27°46	4°16	20°36	0°49	12°40	21°38	13°56	5° 7	20° 4	9°42	8°10	23°38	n.a.		
T 8	19 24 45	19°48'01	9II58	5°49	21°51	1°25	12°41	21°45	13°54	5° 7	20° 3	9°44	8° 7	23°45	n.a.		
F 9	19 28 41	20°47'20	22°26	7°20	23° 6	2° 2	12°42	21°52	13°52	5° 7	20° 1	9°45	8° 4	23°51	n.a.		
S 10	19 32 38	21°46'41	5♁15	8°51	24°21	2°38	12°43	22° 0	13°49	5° 7	20° 0	9°R46	8° 1	23°58	n.a.		
S 11	19 36 34	22°46'04	18°28	10°22	25°36	3°14	12°44	22° 7	13°47	5° 7	19°59	9°46	7°57	24° 5	n.a.		
M12	19 40 31	23°45'29	2♁ 5	11°51	26°52	3°50	12°46	22°14	13°44	5°D 7	19°58	9°44	7°54	24°11	n.a.		
T 13	19 44 27	24°44'56	16° 7	13°19	28° 7	4°26	12°48	22°21	13°42	5° 7	19°57	9°40	7°51	24°18	n.a.		
W14	19 48 24	25°44'26	0♁30	14°47	29°22	5° 2	12°50	22°28	13°40	5° 7	19°55	9°34	7°48	24°25	n.a.		
T 15	19 52 21	26°43'57	15° 8	16°13	0♁38	5°38	12°52	22°36	13°37	5° 7	19°54	9°27	7°45	24°32	n.a.		
F 16	19 56 17	27°43'31	29°53	17°39	1°53	6°14	12°54	22°43	13°35	5° 7	19°53	9°19	7°42	24°38	n.a.		
S 17	20 0 14	28°43'08	14♁38	19° 4	3° 8	6°50	12°56	22°50	13°33	5° 7	19°52	9°12	7°38	24°45	n.a.		
S 18	20 4 10	29°42'46	29°15	20°28	4°24	7°26	12°59	22°57	13°30	5° 7	19°51	9° 7	7°35	24°52	n.a.		
M19	20 8 7	0♁42'27	13♁39	21°51	5°39	8° 1	13° 2	23° 4	13°28	5° 7	19°49	9° 3	7°32	24°58	n.a.		
T 20	20 12 3	1°42'11	27°48	23°12	6°54	8°37	13° 5	23°11	13°26	5° 8	19°48	9°D 2	7°29	25° 5	n.a.		
W21	20 16 0	2°41'57	11♁39	24°33	8°10	9°13	13° 8	23°19	13°24	5° 8	19°47	9° 2	7°26	25°12	n.a.		
T 22	20 19 56	3°41'46	25°14	25°53	9°25	9°48	13°12	23°26	13°21	5° 8	19°46	9° 3	7°22	25°19	n.a.		
F 23	20 23 53	4°41'38	8II33	27°11	10°40	10°24	13°15	23°33	13°19	5° 9	19°45	9°R 4	7°19	25°25	n.a.		
S 24	20 27 50	5°41'32	21°38	28°28	11°56	10°59	13°19	23°40	13°17	5° 9	19°44	9° 3	7°16	25°32	n.a.		
S 25	20 31 46	6°41'28	4♁31	29°44	13°11	11°35	13°23	23°47	13°15	5° 9	19°42	9° 0	7°13	25°39	n.a.		
M26	20 35 43	7°41'26	17°14	0II58	14°26	12°10	13°27	23°54	13°13	5°10	19°41	8°54	7°10	25°45	n.a.		
T 27	20 39 39	8°41'27	29°45	2°11	15°42	12°46	13°31	24° 1	13°11	5°10	19°40	8°46	7° 7	25°52	n.a.		
W28	20 43 36	9°41'30	12II 7	3°22	16°57	13°21	13°36	24° 8	13° 8	5°11	19°39	8°35	7° 3	25°59	n.a.		
T 29	20 47 32	10°41'35	24°20	4°31	18°13	13°56	13°41	24°15	13° 6	5°12	19°38	8°23	7° 0	26° 6	n.a.		
F 30	20 51 29	11°41'42	6II24	5°38	19°28	14°31	13°46	24°22	13° 4	5°12	19°37	8°11	6°57	26°12	n.a.		
S 31	20 55 26	12♁41'51	18II21	6II43	20♁43	15II 6	13II51	24♁29	13♁ 2	5♎13	19♁36	7II59	6II54	26II19	n.a.		

Delta T = 22h41m47s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]

SWISS EPHEMERIS for the year 3117 BCE

SEPTEMBER 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	20 59 22	13 ^h 42'01	0 ^h 13	7 ^h 45	21 ^h 59	15 ^h 41	13 ^h 56	24 ^h 36	13 ^h R 0	5 ^h 13	19 ^h R35	7 ^h R49	6 ^h 51	26 ^h 26	n.a.
M 2	21 3 19	14 ^h 42'14	12 ^h 3	8 ^h 45	23 ^h 14	16 ^h 16	14 ^h 1	24 ^h 43	12 ^h 58	5 ^h 14	19 ^h 33	7 ^h 42	6 ^h 47	26 ^h 33	n.a.
T 3	21 7 15	15 ^h 42'29	23 ^h 54	9 ^h 41	24 ^h 30	16 ^h 51	14 ^h 7	24 ^h 50	12 ^h 56	5 ^h 15	19 ^h 32	7 ^h 37	6 ^h 44	26 ^h 39	n.a.
W 4	21 11 12	16 ^h 42'45	5 ^h 50	10 ^h 34	25 ^h 45	17 ^h 26	14 ^h 13	24 ^h 57	12 ^h 55	5 ^h 16	19 ^h 31	7 ^h 34	6 ^h 41	26 ^h 46	n.a.
T 5	21 15 8	17 ^h 43'03	17 ^h 58	11 ^h 23	27 ^h 0	18 ^h 0	14 ^h 18	25 ^h 4	12 ^h 53	5 ^h 16	19 ^h 30	7 ^h D34	6 ^h 38	26 ^h 53	n.a.
F 6	21 19 5	18 ^h 43'23	0 ^h 21	12 ^h 8	28 ^h 16	18 ^h 35	14 ^h 25	25 ^h 11	12 ^h 51	5 ^h 17	19 ^h 29	7 ^h 34	6 ^h 35	26 ^h 59	n.a.
S 7	21 23 1	19 ^h 43'44	13 ^h 6	12 ^h 49	29 ^h 31	19 ^h 10	14 ^h 31	25 ^h 17	12 ^h 49	5 ^h 18	19 ^h 28	7 ^h R34	6 ^h 32	27 ^h 6	n.a.
S 8	21 26 58	20 ^h 44'08	26 ^h 16	13 ^h 24	0 ^h 47	19 ^h 44	14 ^h 37	25 ^h 24	12 ^h 47	5 ^h 19	19 ^h 27	7 ^h 33	6 ^h 28	27 ^h 13	n.a.
M 9	21 30 55	21 ^h 44'33	9 ^h 56	13 ^h 53	2 ^h 2	20 ^h 19	14 ^h 44	25 ^h 31	12 ^h 46	5 ^h 20	19 ^h 26	7 ^h 29	6 ^h 25	27 ^h 20	n.a.
T 10	21 34 51	22 ^h 44'59	24 ^h 5	14 ^h 16	3 ^h 17	20 ^h 53	14 ^h 51	25 ^h 37	12 ^h 44	5 ^h 21	19 ^h 25	7 ^h 22	6 ^h 22	27 ^h 26	n.a.
W11	21 38 48	23 ^h 45'28	8 ^h 40	14 ^h 32	4 ^h 33	21 ^h 27	14 ^h 57	25 ^h 44	12 ^h 42	5 ^h 22	19 ^h 24	7 ^h 14	6 ^h 19	27 ^h 33	n.a.
T 12	21 42 44	24 ^h 45'58	23 ^h 37	14 ^h R40	5 ^h 48	22 ^h 1	15 ^h 4	25 ^h 51	12 ^h 41	5 ^h 23	19 ^h 23	7 ^h 3	6 ^h 16	27 ^h 40	n.a.
F 13	21 46 41	25 ^h 46'30	8 ^h 46	14 ^h 40	7 ^h 3	22 ^h 36	15 ^h 12	25 ^h 57	12 ^h 39	5 ^h 24	19 ^h 22	6 ^h 51	6 ^h 13	27 ^h 46	n.a.
S 14	21 50 37	26 ^h 47'03	23 ^h 56	14 ^h 31	8 ^h 19	23 ^h 10	15 ^h 19	26 ^h 4	12 ^h 38	5 ^h 25	19 ^h 21	6 ^h 40	6 ^h 9	27 ^h 53	n.a.
S 15	21 54 34	27 ^h 47'39	8 ^h 57	14 ^h 13	9 ^h 34	23 ^h 44	15 ^h 26	26 ^h 10	12 ^h 36	5 ^h 26	19 ^h 20	6 ^h 32	6 ^h 6	28 ^h 0	n.a.
M16	21 58 30	28 ^h 48'16	23 ^h 40	13 ^h 44	10 ^h 49	24 ^h 18	15 ^h 34	26 ^h 17	12 ^h 35	5 ^h 27	19 ^h 20	6 ^h 25	6 ^h 3	28 ^h 7	n.a.
T 17	22 2 27	29 ^h 48'56	8 ^h 1	13 ^h 6	12 ^h 5	24 ^h 51	15 ^h 42	26 ^h 23	12 ^h 33	5 ^h 28	19 ^h 19	6 ^h 22	6 ^h 0	28 ^h 13	n.a.
W18	22 6 23	0 ^h 49'38	21 ^h 58	12 ^h 17	13 ^h 20	25 ^h 25	15 ^h 50	26 ^h 30	12 ^h 32	5 ^h 29	19 ^h 18	6 ^h 21	5 ^h 57	28 ^h 20	n.a.
T 19	22 10 20	1 ^h 50'21	5 ^h 30	11 ^h 20	14 ^h 35	25 ^h 59	15 ^h 58	26 ^h 36	12 ^h 30	5 ^h 31	19 ^h 17	6 ^h 20	5 ^h 53	28 ^h 27	n.a.
F 20	22 14 17	2 ^h 51'07	18 ^h 42	10 ^h 14	15 ^h 51	26 ^h 32	16 ^h 6	26 ^h 42	12 ^h 29	5 ^h 32	19 ^h 16	6 ^h 20	5 ^h 50	28 ^h 33	n.a.
S 21	22 18 13	3 ^h 51'55	1 ^h 35	9 ^h 1	17 ^h 6	27 ^h 6	16 ^h 15	26 ^h 48	12 ^h 28	5 ^h 33	19 ^h 15	6 ^h 18	5 ^h 47	28 ^h 40	n.a.
S 22	22 22 10	4 ^h 52'44	14 ^h 13	7 ^h 43	18 ^h 21	27 ^h 39	16 ^h 23	26 ^h 55	12 ^h 27	5 ^h 35	19 ^h 15	6 ^h 14	5 ^h 44	28 ^h 47	n.a.
M23	22 26 6	5 ^h 53'35	26 ^h 39	6 ^h 22	19 ^h 37	28 ^h 13	16 ^h 32	27 ^h 1	12 ^h 25	5 ^h 36	19 ^h 14	6 ^h 7	5 ^h 41	28 ^h 54	n.a.
T 24	22 30 3	6 ^h 54'28	8 ^h 56	5 ^h 1	20 ^h 52	28 ^h 46	16 ^h 40	27 ^h 7	12 ^h 24	5 ^h 37	19 ^h 13	5 ^h 56	5 ^h 38	29 ^h 0	n.a.
W25	22 33 59	7 ^h 55'22	21 ^h 5	3 ^h 43	22 ^h 7	29 ^h 19	16 ^h 49	27 ^h 13	12 ^h 23	5 ^h 39	19 ^h 12	5 ^h 43	5 ^h 34	29 ^h 7	n.a.
T 26	22 37 56	8 ^h 56'18	3 ^h 48	2 ^h 30	23 ^h 23	29 ^h 52	16 ^h 58	27 ^h 19	12 ^h 22	5 ^h 40	19 ^h 12	5 ^h 29	5 ^h 31	29 ^h 14	n.a.
F 27	22 41 52	9 ^h 57'16	15 ^h 5	1 ^h 25	24 ^h 38	0 ^h 25	17 ^h 8	27 ^h 25	12 ^h 21	5 ^h 42	19 ^h 11	5 ^h 13	5 ^h 28	29 ^h 20	n.a.
S 28	22 45 49	10 ^h 58'14	26 ^h 58	0 ^h 29	25 ^h 53	0 ^h 58	17 ^h 17	27 ^h 31	12 ^h 20	5 ^h 43	19 ^h 10	4 ^h 59	5 ^h 25	29 ^h 27	n.a.
S 29	22 49 46	11 ^h 59'14	8 ^h 49	29 ^h 43	27 ^h 8	1 ^h 31	17 ^h 26	27 ^h 37	12 ^h 19	5 ^h 44	19 ^h 9	4 ^h 46	5 ^h 22	29 ^h 34	n.a.
M30	22 53 42	13 ^h 49'16	20 ^h 38	29 ^h 49	28 ^h 24	2 ^h 3	17 ^h 36	27 ^h 42	12 ^h 19	5 ^h 46	19 ^h 9	4 ^h 46	5 ^h 22	29 ^h 34	n.a.

Delta T = 22h41m44s Julian Calendar 1 Sept. 3117 BCE == Greg. Calendar 6 Aug. 3117 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

OCTOBER 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	22 57 39	14 ^h 11'18	2 ^h 18	28 ^h R46	29 ^h 39	2 ^h 36	17 ^h 46	27 ^h 48	12 ^h R18	5 ^h 48	19 ^h R 8	4 ^h R29	5 ^h 15	29 ^h 47	n.a.
W 2	23 1 35	15 ^h 2'21	14 ^h 26	28 ^h D35	0 ^h 54	3 ^h 8	17 ^h 55	27 ^h 54	12 ^h 17	5 ^h 49	19 ^h 8	4 ^h 26	5 ^h 12	29 ^h 54	n.a.
T 3	23 5 32	16 ^h 3'26	26 ^h 31	28 ^h 36	2 ^h 9	3 ^h 40	18 ^h 5	27 ^h 59	12 ^h 16	5 ^h 51	19 ^h 7	4 ^h 24	5 ^h 9	0 ^h 1	n.a.
F 4	23 9 28	17 ^h 4'31	8 ^h 51	28 ^h 46	3 ^h 24	4 ^h 13	18 ^h 15	28 ^h 5	12 ^h 16	5 ^h 52	19 ^h 6	4 ^h D24	5 ^h 6	0 ^h 7	n.a.
S 5	23 13 25	18 ^h 5'38	21 ^h 29	29 ^h 7	4 ^h 40	4 ^h 45	18 ^h 26	28 ^h 10	12 ^h 15	5 ^h 54	19 ^h 6	4 ^h R24	5 ^h 3	0 ^h 14	n.a.
S 6	23 17 21	19 ^h 6'45	4 ^h 33	29 ^h 36	5 ^h 55	5 ^h 17	18 ^h 36	28 ^h 16	12 ^h 15	5 ^h 56	19 ^h 5	4 ^h 23	4 ^h 59	0 ^h 21	n.a.
M 7	23 21 18	20 ^h 7'53	18 ^h 3	0 ^h 13	7 ^h 10	5 ^h 48	18 ^h 46	28 ^h 21	12 ^h 14	5 ^h 57	19 ^h 5	4 ^h 20	4 ^h 56	0 ^h 27	n.a.
T 8	23 25 15	21 ^h 9'02	2 ^h 5	0 ^h 57	8 ^h 25	6 ^h 20	18 ^h 57	28 ^h 26	12 ^h 14	5 ^h 59	19 ^h 4	4 ^h 15	4 ^h 53	0 ^h 34	n.a.
W 9	23 29 11	22 ^h 10'12	16 ^h 36	1 ^h 48	9 ^h 40	6 ^h 52	19 ^h 7	28 ^h 32	12 ^h 13	6 ^h 1	19 ^h 4	4 ^h 6	4 ^h 50	0 ^h 41	n.a.
T 10	23 33 8	23 ^h 11'22	1 ^h 33	2 ^h 44	10 ^h 55	7 ^h 23	19 ^h 18	28 ^h 37	12 ^h 13	6 ^h 3	19 ^h 4	3 ^h 56	4 ^h 47	0 ^h 48	n.a.
F 11	23 37 4	24 ^h 12'33	16 ^h 48	3 ^h 45	12 ^h 10	7 ^h 55	19 ^h 29	28 ^h 42	12 ^h 13	6 ^h 4	19 ^h 3	3 ^h 46	4 ^h 44	0 ^h 54	n.a.
S 12	23 41 1	25 ^h 13'45	2 ^h 10	4 ^h 50	13 ^h 25	8 ^h 26	19 ^h 40	28 ^h 47	12 ^h 12	6 ^h 6	19 ^h 3	3 ^h 35	4 ^h 40	1 ^h 1	n.a.
S 13	23 44 57	26 ^h 14'57	17 ^h 27	5 ^h 59	14 ^h 40	8 ^h 57	19 ^h 51	28 ^h 52	12 ^h 12	6 ^h 8	19 ^h 2	3 ^h 27	4 ^h 37	1 ^h 8	n.a.
M14	23 48 54	27 ^h 16'11	2 ^h 29	7 ^h 10	15 ^h 55	9 ^h 28	20 ^h 2	28 ^h 57	12 ^h 12	6 ^h 10	19 ^h 2	3 ^h 21	4 ^h 34	1 ^h 14	n.a.
T 15	23 52 50	28 ^h 17'26	17 ^h 7	8 ^h 25	17 ^h 10	9 ^h 59	20 ^h 13	29 ^h 1	12 ^h 12	6 ^h 12	19 ^h 2	3 ^h 17	4 ^h 31	1 ^h 21	n.a.
W16	23 56 47	29 ^h 18'42	1 ^h 18	9 ^h 42	18 ^h 25	10 ^h 30	20 ^h 25	29 ^h 6	12 ^h D12	6 ^h 14	19 ^h 1	3 ^h D16	4 ^h 28	1 ^h 28	n.a.
T 17	0 0 44	0 ^h 19'58	15 ^h 0	11 ^h 1	19 ^h 40	11 ^h 0	20 ^h 36	29 ^h 11	12 ^h 12	6 ^h 16	19 ^h 1	3 ^h 16	4 ^h 24	1 ^h 35	n.a.
F 18	0 4 40	1 ^h 21'16	28 ^h 16	12 ^h 21	20 ^h 55	11 ^h 31	20 ^h 48	29 ^h 15	12 ^h 12	6 ^h 18	19 ^h 1	3 ^h R17	4 ^h 21	1 ^h 41	n.a.
S 19	0 8 37	2 ^h 22'35	11 ^h 9	13 ^h 43	22 ^h 10	12 ^h 1	20 ^h 59	29 ^h 20	12 ^h 12	6 ^h 20	19 ^h 1	3 ^h 17	4 ^h 18	1 ^h 48	n.a.
S 20	0 12 33	3 ^h 23'54	23 ^h 42	15 ^h 7	23 ^h										

SWISS EPHEMERIS for the year 3117 BCE

NOVEMBER 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
F 1	0 59 52	15 ^h 40'26"	18 ^h 7' 4"	2 ^h 47'	8 ^h 24'	18 ^h 20'	23 ^h 38'	0 ^h 10'	12 ^h 18'	6 ^h 46'	19 ^h 0'	1 ^h 56'	3 ^h 37'	3 ^h 15'	n.a.
S 2	1 3 48	16 ^h 41'49"	0 ^h 34'3"	4 ^h 18'	9 ^h 38'	18 ^h 48'	23 ^h 50'	0 ^h 14'	12 ^h 19'	6 ^h 49'	19 ^h 0'	1 ^h 57'	3 ^h 34'	3 ^h 22'	n.a.
S 3	1 7 45	17 ^h 43'12"	13 ^h 42'	5 ^h 49'	10 ^h 53'	19 ^h 15'	24 ^h 3'	0 ^h 17'	12 ^h 20'	6 ^h 51'	19 ^h 0'	1 ^h 58'	3 ^h 30'	3 ^h 29'	n.a.
M 4	1 11 42	18 ^h 44'35"	27 ^h 4'	7 ^h 21'	12 ^h 8'	19 ^h 43'	24 ^h 16'	0 ^h 20'	12 ^h 21'	6 ^h 53'	19 ^h 0'	1 ^h 58'	3 ^h 27'	3 ^h 35'	n.a.
T 5	1 15 38	19 ^h 45'57"	10 ^h 53'	8 ^h 53'	13 ^h 23'	20 ^h 10'	24 ^h 29'	0 ^h 23'	12 ^h 22'	6 ^h 55'	19 ^h 1'	1 ^h 56'	3 ^h 24'	3 ^h 42'	n.a.
W 6	1 19 35	20 ^h 47'19"	25 ^h 9'	10 ^h 26'	14 ^h 37'	20 ^h 37'	24 ^h 42'	0 ^h 26'	12 ^h 23'	6 ^h 57'	19 ^h 1'	1 ^h 52'	3 ^h 21'	3 ^h 49'	n.a.
T 7	1 23 31	21 ^h 48'40"	9 ^h 50'	11 ^h 59'	15 ^h 52'	21 ^h 4'	24 ^h 55'	0 ^h 29'	12 ^h 24'	7 ^h 0'	19 ^h 1'	1 ^h 47'	3 ^h 18'	3 ^h 55'	n.a.
F 8	1 27 28	22 ^h 50'01"	24 ^h 51'	13 ^h 32'	17 ^h 6'	21 ^h 31'	25 ^h 8'	0 ^h 31'	12 ^h 25'	7 ^h 2'	19 ^h 1'	1 ^h 41'	3 ^h 15'	4 ^h 2'	n.a.
S 9	1 31 24	23 ^h 51'21"	10 ^h 7' 4"	15 ^h 5'	18 ^h 21'	21 ^h 57'	25 ^h 21'	0 ^h 34'	12 ^h 26'	7 ^h 4'	19 ^h 1'	1 ^h 35'	3 ^h 11'	4 ^h 9'	n.a.
S 10	1 35 21	24 ^h 52'41"	25 ^h 19'	16 ^h 39'	19 ^h 36'	22 ^h 23'	25 ^h 34'	0 ^h 37'	12 ^h 28'	7 ^h 6'	19 ^h 2'	1 ^h 30'	3 ^h 8'	4 ^h 16'	n.a.
M 11	1 39 17	25 ^h 54'01"	10 ^h 8'24"	18 ^h 13'	20 ^h 50'	22 ^h 49'	25 ^h 48'	0 ^h 39'	12 ^h 29'	7 ^h 8'	19 ^h 2'	1 ^h 26'	3 ^h 5'	4 ^h 22'	n.a.
T 12	1 43 14	26 ^h 55'20"	25 ^h 11'	19 ^h 47'	22 ^h 5'	23 ^h 15'	26 ^h 1'	0 ^h 41'	12 ^h 30'	7 ^h 11'	19 ^h 2'	1 ^h D25	3 ^h 2'	4 ^h 29'	n.a.
W 13	1 47 10	27 ^h 56'39"	9 ^h 23'3"	21 ^h 22'	23 ^h 19'	23 ^h 40'	26 ^h 14'	0 ^h 44'	12 ^h 32'	7 ^h 13'	19 ^h 3'	1 ^h 25'	2 ^h 59'	4 ^h 36'	n.a.
T 14	1 51 7	28 ^h 57'58"	23 ^h 28'	22 ^h 57'	24 ^h 33'	24 ^h 5'	26 ^h 28'	0 ^h 46'	12 ^h 33'	7 ^h 15'	19 ^h 3'	1 ^h 26'	2 ^h 55'	4 ^h 42'	n.a.
F 15	1 55 4	29 ^h 59'17"	6 ^h 55'5"	24 ^h 32'	25 ^h 48'	24 ^h 30'	26 ^h 41'	0 ^h 48'	12 ^h 35'	7 ^h 17'	19 ^h 4'	1 ^h 28'	2 ^h 52'	4 ^h 49'	n.a.
S 16	1 59 0	1 ^h 0' 35"	19 ^h 56'	26 ^h 8'	27 ^h 2'	24 ^h 55'	26 ^h 55'	0 ^h 50'	12 ^h 36'	7 ^h 20'	19 ^h 4'	1 ^h 29'	2 ^h 49'	4 ^h 56'	n.a.
S 17	2 2 57	2 ^h 1'53"	2 ^h 0'34"	27 ^h 45'	28 ^h 17'	25 ^h 20'	27 ^h 8'	0 ^h 52'	12 ^h 38'	7 ^h 22'	19 ^h 5'	1 ^h R30	2 ^h 46'	5 ^h 2'	n.a.
M 18	2 6 53	3 ^h 3'11"	14 ^h 54'	29 ^h 21'	29 ^h 31'	25 ^h 44'	27 ^h 22'	0 ^h 53'	12 ^h 39'	7 ^h 24'	19 ^h 5'	1 ^h 29'	2 ^h 43'	5 ^h 9'	n.a.
T 19	2 10 50	4 ^h 4'28"	27 ^h 0'	0 ^h 55'9"	0 ^h 55'45"	26 ^h 8'	27 ^h 36'	0 ^h 55'	12 ^h 41'	7 ^h 27'	19 ^h 6'	1 ^h 27'	2 ^h 40'	5 ^h 16'	n.a.
W 20	2 14 46	5 ^h 5'45"	8 ^h 58'58"	2 ^h 36'	2 ^h 0'	26 ^h 31'	27 ^h 49'	0 ^h 56'	12 ^h 43'	7 ^h 29'	19 ^h 6'	1 ^h 23'	2 ^h 36'	5 ^h 23'	n.a.
T 21	2 18 43	6 ^h 7'01"	20 ^h 49'	4 ^h 15'	3 ^h 14'	26 ^h 54'	28 ^h 3'	0 ^h 58'	12 ^h 44'	7 ^h 31'	19 ^h 7'	1 ^h 19'	2 ^h 33'	5 ^h 29'	n.a.
F 22	2 22 39	7 ^h 8'16"	2 ^h 39'30"	5 ^h 53'	4 ^h 28'	27 ^h 17'	28 ^h 17'	0 ^h 59'	12 ^h 46'	7 ^h 33'	19 ^h 7'	1 ^h 15'	2 ^h 30'	5 ^h 36'	n.a.
S 23	2 26 36	8 ^h 9'31"	14 ^h 30'	7 ^h 33'	5 ^h 42'	27 ^h 40'	28 ^h 31'	1 ^h 0'	12 ^h 48'	7 ^h 36'	19 ^h 8'	1 ^h 11'	2 ^h 27'	5 ^h 43'	n.a.
S 24	2 30 33	9 ^h 10'45"	26 ^h 24'	9 ^h 12'	6 ^h 57'	28 ^h 2'	28 ^h 45'	1 ^h 1'	12 ^h 50'	7 ^h 38'	19 ^h 9'	1 ^h 7'	2 ^h 24'	5 ^h 49'	n.a.
M 25	2 34 29	10 ^h 11'58"	8 ^h 24'	10 ^h 53'	8 ^h 11'	28 ^h 24'	28 ^h 58'	1 ^h 2'	12 ^h 52'	7 ^h 40'	19 ^h 9'	1 ^h 4'	2 ^h 21'	5 ^h 56'	n.a.
T 26	2 38 26	11 ^h 13'10"	20 ^h 30'	12 ^h 33'	9 ^h 25'	28 ^h 46'	29 ^h 12'	1 ^h 3'	12 ^h 54'	7 ^h 42'	19 ^h 10'	1 ^h 3'	2 ^h 17'	6 ^h 3'	n.a.
W 27	2 42 22	12 ^h 14'21"	2 ^h 47'45"	14 ^h 15'	10 ^h 39'	29 ^h 7'	29 ^h 26'	1 ^h 4'	12 ^h 56'	7 ^h 45'	19 ^h 11'	1 ^h D 2	2 ^h 14'	6 ^h 9'	n.a.
T 28	2 46 19	13 ^h 15'31"	15 ^h 10'	15 ^h 57'	11 ^h 53'	29 ^h 28'	29 ^h 40'	1 ^h 5'	12 ^h 58'	7 ^h 47'	19 ^h 11'	1 ^h 3'	2 ^h 11'	6 ^h 16'	n.a.
F 29	2 50 15	14 ^h 16'40"	27 ^h 46'	17 ^h 39'	13 ^h 7'	29 ^h 49'	29 ^h 54'	1 ^h 5'	13 ^h 0'	7 ^h 49'	19 ^h 12'	1 ^h 4'	2 ^h 8'	6 ^h 23'	n.a.
S 30	2 54 12	15 ^h 17'48"	10 ^h 36'	19 ^h 22'	14 ^h 21'	0 ^h 0' 9"	0 ^h 7' 8"	1 ^h 0' 6"	13 ^h 2'	7 ^h 52'	19 ^h 13'	1 ^h 5'	2 ^h 5'	6 ^h 30'	n.a.

Delta T = 22h41m39s Julian Calendar 1 Nov. 3117 BCE == Greg. Calendar 6 Oct. 3117 BCE
 The year -3116 astronomical counting style corresponds to year 3117 B.C.E historical counting style.

DECEMBER 3117 BCE (-3116) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	2 58 8	16 ^h 18'54"	23 ^h 34'2"	21 ^h 6'	15 ^h 35'	0 ^h 29'	0 ^h 22'	1 ^h 0' 6"	13 ^h 4'	7 ^h 54'	19 ^h 14'	1 ^h 7'	2 ^h 1'	6 ^h 36'	n.a.
M 2	3 2 5	17 ^h 19'59"	7 ^h 55'	22 ^h 50'	16 ^h 49'	0 ^h 49'	0 ^h 37'	1 ^h 7'	13 ^h 7'	7 ^h 56'	19 ^h 14'	1 ^h 8'	1 ^h 58'	6 ^h 43'	n.a.
T 3	3 6 2	18 ^h 21'02"	20 ^h 48'	24 ^h 34'	18 ^h 3'	1 ^h 8'	0 ^h 51'	1 ^h 7'	13 ^h 9'	7 ^h 58'	19 ^h 15'	1 ^h R 8	1 ^h 55'	6 ^h 50'	n.a.
W 4	3 9 58	19 ^h 22'04"	4 ^h 50'	26 ^h 19'	19 ^h 16'	1 ^h 27'	1 ^h 5'	1 ^h R 7	13 ^h 11'	8 ^h 1'	19 ^h 16'	1 ^h 7'	1 ^h 52'	6 ^h 56'	n.a.
T 5	3 13 55	20 ^h 23'03"	19 ^h 11'	28 ^h 4'	20 ^h 30'	1 ^h 45'	1 ^h 19'	1 ^h 7'	13 ^h 13'	8 ^h 3'	19 ^h 17'	1 ^h 6'	1 ^h 49'	7 ^h 3'	n.a.
F 6	3 17 51	21 ^h 24'02"	3 ^h 7'48"	29 ^h 50'	21 ^h 44'	2 ^h 3'	1 ^h 33'	1 ^h 7'	13 ^h 16'	8 ^h 5'	19 ^h 18'	1 ^h 5'	1 ^h 46'	7 ^h 10'	n.a.
S 7	3 21 48	22 ^h 24'58"	18 ^h 37'	1 ^h 35'	22 ^h 58'	2 ^h 20'	1 ^h 47'	1 ^h 6'	13 ^h 18'	8 ^h 7'	19 ^h 19'	1 ^h 4'	1 ^h 42'	7 ^h 16'	n.a.
S 8	3 25 44	23 ^h 25'53"	3 ^h 8'29"	3 ^h 21'	24 ^h 11'	2 ^h 37'	2 ^h 2'	1 ^h 6'	13 ^h 21'	8 ^h 9'	19 ^h 20'	1 ^h 3'	1 ^h 39'	7 ^h 23'	n.a.
M 9	3 29 41	24 ^h 26'47"	18 ^h 18'	5 ^h 7'	25 ^h 25'	2 ^h 54'	2 ^h 16'	1 ^h 6'	13 ^h 23'	8 ^h 12'	19 ^h 21'	1 ^h 3'	1 ^h 36'	7 ^h 30'	n.a.
T 10	3 33 37	25 ^h 27'39"	2 ^h 56'	6 ^h 52'	26 ^h 38'	3 ^h 10'	2 ^h 30'	1 ^h 5'	13 ^h 26'	8 ^h 14'	19 ^h 22'	1 ^h D 3	1 ^h 33'	7 ^h 37'	n.a.
W 11	3 37 34	26 ^h 28'30"	17 ^h 17'	8 ^h 37'	27 ^h 52'	3 ^h 26'	2 ^h 44'	1 ^h 4'	13 ^h 28'	8 ^h 16'	19 ^h 23'	1 ^h 3'	1 ^h 30'	7 ^h 43'	n.a.
T 12	3 41 31	27 ^h 29'19"	12 ^h 15'	10 ^h 21'	29 ^h 5'	3 ^h 41'	2 ^h 58'	1 ^h 4'	13 ^h 31'	8 ^h 18'	19 ^h 24'	1 ^h 3'	1 ^h 27'	7 ^h 50'	n.a.
F 13	3 45 27	28 ^h 30'07"	14 ^h 49'	12 ^h 4'	0 ^h 19'	3 ^h 56'	3 ^h 13'	1 ^h 3'	13 ^h 33'	8 ^h 20'	19 ^h 25'	1 ^h 3'	1 ^h 23'	7 ^h 57'	n.a.
S 14	3 49 24	29 ^h 30'54"	27 ^h 57'	13 ^h 46'	1 ^h 32'	4 ^h 10'	3 ^h 27'	1 ^h 2'	13 ^h 36'	8 ^h 23'	19 ^h 26'	1 ^h 4'	1 ^h 20'	8 ^h 3'	n.a.
S 15	3 53 20	0 ^h 31'39"	10 ^h 0'43"	15 ^h 26'	2 ^h 45'	4 ^h 24'	3 ^h 41'	1 ^h 1'	13 ^h 39'	8 ^h 25'	19 ^h 27'	1 ^h 4'	1 ^h 17'	8 ^h 10'	n.a.
M 16	3 57 17	1 ^h 32'23"	23 ^h 8'	17 ^h 4'	3 ^h 59'	4 ^h 38'	3 ^h 56'	0 ^h 59'	13 ^h 41'	8 ^h 27'	19 ^h 28'	1 ^h R 4	1 ^h 14'	8 ^h 17'	n.a.
T 17	4 1 13	2 ^h 33'05"	5 ^h 18'	18 ^h 39'	5 ^h 12'	4 ^h 50'	4 ^h 10'	0 ^h 58'	13 ^h 44'	8 ^h 29'	19 ^h 29'	1 ^h D 4	1 ^h 11'	8 ^h 23'	n.a.
W 18	4 5 10	3 ^h 33'46"	17 ^h 16'	20 ^h 12'	6 ^h 25'	5 ^h 3'	4 ^h 24'	0 ^h 57'	13 ^h 47'	8 ^h 31'	19 ^h 30'	1 ^h 4'	1 ^h 7'	8 ^h 30'	n.a.
T 19	4 9 6	4 ^h 34'26"	29 ^h 8'	21 ^h 40'	7 ^h 38'	5 ^h 14'	4 ^h 38'	0 ^h 55'	13 ^h 50'	8 ^h 33'	19 ^h 31'	1 ^h 4'	1 ^h 4'	8 ^h 37'	n.a.
F 20	4 13 3	5 ^h 35'04"	10 ^h 55'	23 ^h 5'	8 ^h 51'	5 ^h 26'	4 ^h 53'	0 ^h 54'	13 ^h 53'	8					