

SWISS EPHEMERIS for the year 3151 BCE

JANUARY 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	4 58 21	17 ^h 11'00	19 ^h 02'	15 ^h 43'	3 ^h 00'	11 ^h 16'	23 ^h 07'	14 ^h R14	22 ^h R43	23 ^h R36	5 ^h 16'	18 ^h R41	17 ^h Y25	25 ^h 25'	n.a.		
T 2	5 2 18	18 ^h 11'11	3 ^h 35'	17 ^h 34'	4 ^h 4'	12 ^h 4'	23 ^h 22'	14 ^h U10	22 ^h U42	23 ^h U36	5 ^h 17'	18 ^h Y40	17 ^h 21'	25 ^h 32'	n.a.		
W 3	5 6 15	19 ^h 11'20	18 ^h 17'	19 ^h 25'	5 ^h 7'	12 ^h 51'	23 ^h 36'	14 ^h 7'	22 ^h 41'	23 ^h 35'	5 ^h 19'	18 ^h 37'	17 ^h 18'	25 ^h 38'	n.a.		
T 4	5 10 11	20 ^h 11'27	3 ^h II 1	21 ^h 18'	6 ^h 10'	13 ^h 38'	23 ^h 50'	14 ^h 3'	22 ^h 41'	23 ^h 35'	5 ^h 21'	18 ^h 31'	17 ^h 15'	25 ^h 45'	n.a.		
F 5	5 14 8	21 ^h 11'32	17 ^h 42'	23 ^h 11'	7 ^h 12'	14 ^h 25'	24 ^h 5'	14 ^h 0'	22 ^h 40'	23 ^h 34'	5 ^h 23'	18 ^h 23'	17 ^h 12'	25 ^h 52'	n.a.		
S 6	5 18 4	22 ^h 11'34	2 ^h II 10	25 ^h 5'	8 ^h 14'	15 ^h 12'	24 ^h 19'	13 ^h 56'	22 ^h 39'	23 ^h 34'	5 ^h 25'	18 ^h 13'	17 ^h 9'	25 ^h 58'	n.a.		
S 7	5 22 1	23 ^h 11'35	16 ^h 20'	27 ^h 0'	9 ^h 16'	15 ^h 59'	24 ^h 33'	13 ^h 53'	22 ^h 38'	23 ^h 33'	5 ^h 26'	18 ^h 2'	17 ^h 6'	26 ^h 5'	n.a.		
M 8	5 25 57	24 ^h 11'33	0 ^h II 6	28 ^h 56'	10 ^h 17'	16 ^h 46'	24 ^h 48'	13 ^h 50'	22 ^h 38'	23 ^h 33'	5 ^h 28'	17 ^h 52'	17 ^h 2'	26 ^h 11'	n.a.		
T 9	5 29 54	25 ^h 11'29	13 ^h 27'	0 ^h III 52	11 ^h 18'	17 ^h 32'	25 ^h 2'	13 ^h 47'	22 ^h 37'	23 ^h 32'	5 ^h 30'	17 ^h 44'	16 ^h 59'	26 ^h 18'	n.a.		
W10	5 33 51	26 ^h 11'24	26 ^h 21'	2 ^h 48'	12 ^h 18'	18 ^h 19'	25 ^h 17'	13 ^h 44'	22 ^h 36'	23 ^h 31'	5 ^h 32'	17 ^h 37'	16 ^h 56'	26 ^h 25'	n.a.		
T 11	5 37 47	27 ^h 11'16	8 ^h II 53	4 ^h 44'	13 ^h 18'	19 ^h 6'	25 ^h 31'	13 ^h 41'	22 ^h 35'	23 ^h 31'	5 ^h 33'	17 ^h 34'	16 ^h 53'	26 ^h 31'	n.a.		
F 12	5 41 44	28 ^h 11'06	21 ^h 5'	6 ^h 40'	14 ^h 18'	19 ^h 53'	25 ^h 45'	13 ^h 38'	22 ^h 34'	23 ^h 30'	5 ^h 35'	17 ^h 32'	16 ^h 50'	26 ^h 38'	n.a.		
S 13	5 45 40	29 ^h 10'55	3 ^h II 4	8 ^h 36'	15 ^h 17'	20 ^h 40'	26 ^h 0'	13 ^h 35'	22 ^h 32'	23 ^h 29'	5 ^h 37'	17 ^h D32	16 ^h 47'	26 ^h 45'	n.a.		
S 14	5 49 37	0 ^h III 10'41	14 ^h 54'	10 ^h 32'	16 ^h 16'	21 ^h 27'	26 ^h 14'	13 ^h 33'	22 ^h 31'	23 ^h 28'	5 ^h 38'	17 ^h R32	16 ^h 43'	26 ^h 51'	n.a.		
M15	5 53 33	1 ^h 10'26	26 ^h 41'	12 ^h 26'	17 ^h 14'	22 ^h 14'	26 ^h 28'	13 ^h 30'	22 ^h 30'	23 ^h 28'	5 ^h 40'	17 ^h 32'	16 ^h 40'	26 ^h 58'	n.a.		
T 16	5 57 30	2 ^h 10'09	8 ^h II 29	14 ^h 19'	18 ^h 11'	23 ^h 0'	26 ^h 43'	13 ^h 28'	22 ^h 29'	23 ^h 27'	5 ^h 42'	17 ^h 30'	16 ^h 37'	27 ^h 5'	n.a.		
W17	6 1 26	3 ^h 9'49	20 ^h 25'	16 ^h 11'	19 ^h 9'	23 ^h 47'	26 ^h 57'	13 ^h 25'	22 ^h 28'	23 ^h 26'	5 ^h 43'	17 ^h 25'	16 ^h 34'	27 ^h 11'	n.a.		
T 18	6 5 23	4 ^h 9'28	2 ^h III 31	18 ^h 0'	20 ^h 5'	24 ^h 34'	27 ^h 11'	13 ^h 23'	22 ^h 26'	23 ^h 25'	5 ^h 45'	17 ^h 18'	16 ^h 31'	27 ^h 18'	n.a.		
F 19	6 9 20	5 ^h 9'05	14 ^h 51'	19 ^h 47'	21 ^h 1'	25 ^h 20'	27 ^h 26'	13 ^h 21'	22 ^h 25'	23 ^h 24'	5 ^h 47'	17 ^h 8'	16 ^h 27'	27 ^h 25'	n.a.		
S 20	6 13 16	6 ^h 8'39	27 ^h 26'	21 ^h 31'	21 ^h 57'	26 ^h 7'	27 ^h 40'	13 ^h 19'	22 ^h 23'	23 ^h 23'	5 ^h 48'	16 ^h 56'	16 ^h 24'	27 ^h 31'	n.a.		
S 21	6 17 13	7 ^h 8'11	10 ^h III 15	23 ^h 11'	22 ^h 52'	26 ^h 54'	27 ^h 54'	13 ^h 17'	22 ^h 22'	23 ^h 22'	5 ^h 50'	16 ^h 43'	16 ^h 21'	27 ^h 38'	n.a.		
M22	6 21 9	8 ^h 7'41	23 ^h 20'	24 ^h 48'	23 ^h 46'	27 ^h 40'	28 ^h 8'	13 ^h 15'	22 ^h 20'	23 ^h 21'	5 ^h 51'	16 ^h 30'	16 ^h 18'	27 ^h 45'	n.a.		
T 23	6 25 6	9 ^h 7'09	6 ^h III 37	26 ^h 20'	24 ^h 39'	28 ^h 27'	28 ^h 23'	13 ^h 14'	22 ^h 19'	23 ^h 20'	5 ^h 53'	16 ^h 18'	16 ^h 15'	27 ^h 51'	n.a.		
W24	6 29 2	10 ^h 6'34	20 ^h 6'	27 ^h 47'	25 ^h 32'	29 ^h 13'	28 ^h 37'	13 ^h 12'	22 ^h 17'	23 ^h 19'	5 ^h 55'	16 ^h 8'	16 ^h 12'	27 ^h 58'	n.a.		
T 25	6 32 59	11 ^h 5'57	3 ^h III 44	29 ^h 8'	26 ^h 25'	0 ^h III 0	28 ^h 51'	13 ^h 10'	22 ^h 15'	23 ^h 18'	5 ^h 56'	16 ^h 2'	16 ^h 8'	28 ^h 5'	n.a.		
F 26	6 36 55	12 ^h 5'17	17 ^h 31'	0 ^h III 24	27 ^h 16'	0 ^h 46'	29 ^h 5'	13 ^h 9'	22 ^h 14'	23 ^h 17'	5 ^h 58'	15 ^h 58'	16 ^h 5'	28 ^h 11'	n.a.		
S 27	6 40 52	13 ^h 4'34	1 ^h Y 25	1 ^h 34'	28 ^h 7'	1 ^h 33'	29 ^h 19'	13 ^h 8'	22 ^h 12'	23 ^h 16'	5 ^h 59'	15 ^h 56'	16 ^h 2'	28 ^h 18'	n.a.		
S 28	6 44 49	14 ^h 3'49	15 ^h 26'	2 ^h 37'	28 ^h 57'	2 ^h 19'	29 ^h 33'	13 ^h 7'	22 ^h 10'	23 ^h 15'	6 ^h 1'	15 ^h 56'	15 ^h 59'	28 ^h 24'	n.a.		
M29	6 48 45	15 ^h 3'02	29 ^h 33'	3 ^h 34'	29 ^h 46'	3 ^h 5'	29 ^h 48'	13 ^h 6'	22 ^h 8'	23 ^h 13'	6 ^h 2'	15 ^h 56'	15 ^h 56'	28 ^h 31'	n.a.		
T 30	6 52 42	16 ^h 2'12	13 ^h III 47	4 ^h 23'	0 ^h III 34	3 ^h 52'	0 ^h III 2	13 ^h 5'	22 ^h 7'	23 ^h 12'	6 ^h 4'	15 ^h 54'	15 ^h 53'	28 ^h 38'	n.a.		
W31	6 56 38	17 ^h III 1'19	28 ^h III 4	5 ^h III 6	1 ^h III 22	4 ^h III 38	0 ^h III 16	13 ^h III 4	22 ^h III 5	23 ^h III 11	6 ^h III 5	15 ^h Y50	15 ^h Y49	28 ^h III 44	n.a.		

Delta T = 23h01m17s Julian Calendar 1 Jan. 3151 BCE == Greg. Calendar 6 Dec. 3152 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

FEBRUARY 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	7 0 35	18 ^h III 0'24	12 ^h II 22	5 ^h III 40	2 ^h III 8	5 ^h III 24	0 ^h III 30	13 ^h R 3	22 ^h R 3	23 ^h R10	6 ^h III 7	15 ^h R44	15 ^h Y46	28 ^h III 51	n.a.		
F 2	7 4 31	18 ^h 59'26	26 ^h 36'	6 ^h 8'	2 ^h 54'	6 ^h 10'	0 ^h 44'	13 ^h II 2	22 ^h U 1	23 ^h U 8	6 ^h 8'	15 ^h Y34	15 ^h 43'	28 ^h 58'	n.a.		
S 3	7 8 28	19 ^h 58'26	10 ^h III 42	6 ^h 28'	3 ^h 39'	6 ^h 57'	0 ^h 58'	13 ^h 2'	21 ^h 59'	23 ^h 7'	6 ^h 9'	15 ^h 23'	15 ^h 40'	29 ^h 4'	n.a.		
S 4	7 12 24	20 ^h 57'24	24 ^h 34'	6 ^h 40'	4 ^h 22'	7 ^h 43'	1 ^h 12'	13 ^h 1'	21 ^h 57'	23 ^h 6'	6 ^h 11'	15 ^h 10'	15 ^h 37'	29 ^h 11'	n.a.		
M 5	7 16 21	21 ^h 56'20	8 ^h II 7	6 ^h R45	5 ^h 5'	8 ^h 29'	1 ^h 25'	13 ^h 1'	21 ^h 55'	23 ^h 5'	6 ^h 12'	14 ^h 58'	15 ^h 33'	29 ^h 18'	n.a.		
T 6	7 20 18	22 ^h 55'13	21 ^h 20'	6 ^h 43'	5 ^h 46'	9 ^h 15'	1 ^h 39'	13 ^h 1'	21 ^h 53'	23 ^h 3'	6 ^h 14'	14 ^h 48'	15 ^h 30'	29 ^h 24'	n.a.		
W 7	7 24 14	23 ^h 54'04	4 ^h II 11	6 ^h 34'	6 ^h 27'	10 ^h 1'	1 ^h 53'	13 ^h D 1	21 ^h 51'	23 ^h 2'	6 ^h 15'	14 ^h 40'	15 ^h 27'	29 ^h 31'	n.a.		
T 8	7 28 11	24 ^h 52'53	16 ^h 42'	6 ^h 18'	7 ^h 6'	10 ^h 47'	2 ^h 7'	13 ^h 1'	21 ^h 48'	23 ^h 0'	6 ^h 16'	14 ^h 34'	15 ^h 24'	29 ^h 38'	n.a.		
F 9	7 32 7	25 ^h 51'40	28 ^h 55'	5 ^h 56'	7 ^h 44'	11 ^h 33'	2 ^h 21'	13 ^h 1'	21 ^h 46'	22 ^h 59'	6 ^h 18'	14 ^h 32'	15 ^h 21'	29 ^h 44'	n.a.		
S 10	7 36 4	26 ^h 50'25	10 ^h III 55	5 ^h 28'	8 ^h 21'	12 ^h 19'	2 ^h 34'	13 ^h 1'	21 ^h 44'	22 ^h 58'	6 ^h 19'	14 ^h D31	15 ^h 18'	29 ^h 51'	n.a.		
S 11	7 40 0	27 ^h 49'09	22 ^h 46'	4 ^h 56'	8 ^h 56'	13 ^h 4'	2 ^h 48'	13 ^h 1'	21 ^h 42'	22 ^h 56'	6 ^h 20'	14 ^h R31	15 ^h 14'	29 ^h 58'	n.a.		
M12	7 43 57	28 ^h 47'50	4 ^h III 34	4 ^h 19'	9 ^h 31'	13 ^h 50'	3 ^h 2'	13 ^h 2'	21 ^h 40'	22 ^h 55'	6 ^h 21'	14 ^h 31'	15 ^h 11'	0 ^h III 4	n.a.		
T 13	7 47 53	29 ^h 46'29	16 ^h 25'	3 ^h 38'	10 ^h 3'	14 ^h 36'	3 ^h 15'	13 ^h 2'	21 ^h 37'	22 ^h 53'	6 ^h 23'	14 ^h 30'	15 ^h 8'	0 ^h 11'	n.a.		
W14	7 51 50	0 ^h III 45'07	28 ^h 24'	2 ^h 55'	10 ^h 35'	15 ^h 22'	3 ^h 29'	13 ^h 3'	21 ^h 35'	22 ^h 52'	6 ^h 24'	14 ^h 26'	15 ^h 5'	0 ^h 18'	n.a.		
T 15	7 55 47	1 ^h 43'42	10 ^h III 35	2 ^h 10'	11 ^h 4'	16 ^h 7'	3 ^h 42'	13 ^h 4'	21 ^h 33'	22 ^h 50'	6 ^h 25'	14 ^h 21'	15 ^h 2'	0 ^h 24'	n.a.		
F 16	7 59 43	2 ^h 42'16	23 ^h 2'	1 ^h 24'	11 ^h 33'	16 ^h 53'	3 ^h 56'	13 ^h 5'	21 ^h 30'	22 ^h 49'	6 ^h 26'	14 ^h 12'	14 ^h 59'	0 ^h 31'	n.a.		
S 17	8 3 40	3 ^h 40'48	5 ^h III 47	0 ^h 38'	11 ^h 59'	17 ^h 39'	4 ^h 9'	13 ^h 6'	21 ^h 28'	22 ^h 47'	6 ^h 27'	14 ^h 2'	14 ^h 55'	0 ^h 38'	n.a.		
S 18	8 7 36	4 ^h 39'18	18 ^h 53'	29 ^h III 53	12 ^h 24'	18 ^h 24'	4 ^h 23'	13 ^h 7'	21								

SWISS EPHEMERIS for the year 3151 BCE

MARCH 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	8 50 58	15°20'21	22°37	25°D17	14°X50	26°Z42	6°Z46	13°R26	20°R58	22°R29	6°Z39	13°R 4	14°Y17	1°M57	n.a.
F 2	8 54 55	16°18'25	6°Z25	25°Z20	14°R51	27°27	6°58	13°28	20°L56	22°L27	6°40	12°Y57	14°14	2° 4	n.a.
S 3	8 58 52	17°16'26	20° 4	25°28	14°48	28°12	7°11	13°31	20°53	22°25	6°41	12°48	14°11	2°11	n.a.
S 4	9 2 48	18°14'25	3°L31	25°41	14°43	28°57	7°24	13°33	20°51	22°24	6°41	12°39	14° 8	2°17	n.a.
M 5	9 6 45	19°12'23	16°43	25°58	14°36	29°41	7°36	13°36	20°48	22°22	6°42	12°30	14° 5	2°24	n.a.
T 6	9 10 41	20°10'18	29°38	26°20	14°27	0°Z26	7°48	13°39	20°46	22°20	6°43	12°22	14° 1	2°31	n.a.
W 7	9 14 38	21° 8'12	12°M17	26°47	14°14	1°11	8° 1	13°42	20°43	22°19	6°44	12°16	13°58	2°37	n.a.
T 8	9 18 34	22° 6'03	24°40	27°17	14° 0	1°56	8°13	13°44	20°41	22°17	6°44	12°12	13°55	2°44	n.a.
F 9	9 22 31	23° 3'54	6°Z49	27°52	13°43	2°40	8°25	13°48	20°38	22°16	6°45	12°D11	13°52	2°51	n.a.
S 10	9 26 27	24° 1'42	18°48	28°30	13°23	3°25	8°37	13°51	20°36	22°14	6°46	12°11	13°49	2°57	n.a.
S 11	9 30 24	24°59'30	0°M39	29°13	13° 2	4° 9	8°49	13°54	20°33	22°12	6°46	12°12	13°45	3° 4	n.a.
M12	9 34 20	25°57'15	12°28	29°59	12°38	4°54	9° 1	13°57	20°31	22°11	6°47	12°13	13°42	3°11	n.a.
T13	9 38 17	26°55'00	24°19	0°Z48	12°12	5°38	9°13	14° 1	20°28	22° 9	6°47	12°R14	13°39	3°17	n.a.
W14	9 42 14	27°52'43	6°Z19	1°41	11°44	6°22	9°25	14° 4	20°26	22° 7	6°48	12°14	13°36	3°24	n.a.
T15	9 46 10	28°50'25	18°31	2°37	11°14	7° 7	9°36	14° 8	20°23	22° 6	6°48	12°12	13°33	3°31	n.a.
F16	9 50 7	29°48'05	1°Z 1	3°36	10°43	7°51	9°48	14°11	20°21	22° 4	6°49	12° 8	13°30	3°37	n.a.
S17	9 54 3	0°X45'44	13°51	4°38	10° 9	8°35	10° 0	14°15	20°18	22° 3	6°49	12° 3	13°26	3°44	n.a.
S18	9 58 0	1°43'22	27° 4	5°43	9°35	9°19	10°11	14°19	20°16	22° 1	6°50	11°57	13°23	3°50	n.a.
M19	10 1 56	2°40'59	10°40	6°51	8°59	10° 3	10°22	14°23	20°13	21°59	6°50	11°50	13°20	3°57	n.a.
T20	10 5 53	3°38'34	24°38	8° 1	8°23	10°47	10°34	14°27	20°11	21°58	6°51	11°44	13°17	4° 4	n.a.
W21	10 9 50	4°36'07	8°X53	9°14	7°45	11°31	10°45	14°31	20° 8	21°56	6°51	11°40	13°14	4°10	n.a.
T22	10 13 46	5°33'39	23°21	10°30	7° 8	12°15	10°56	14°35	20° 6	21°55	6°51	11°37	13°11	4°17	n.a.
F23	10 17 43	6°31'10	7°Y55	11°48	6°30	12°59	11° 7	14°40	20° 3	21°53	6°52	11°D36	13° 7	4°24	n.a.
S24	10 21 39	7°28'39	22°29	13° 9	5°52	13°43	11°18	14°44	20° 1	21°51	6°52	11°36	13° 4	4°30	n.a.
S25	10 25 36	8°26'06	6°Z59	14°32	5°14	14°27	11°28	14°49	19°59	21°50	6°52	11°37	13° 1	4°37	n.a.
M26	10 29 32	9°23'32	21°21	15°58	4°36	15°10	11°39	14°53	19°56	21°48	6°52	11°38	12°58	4°44	n.a.
T27	10 33 29	10°20'57	5°M31	17°26	4° 0	15°54	11°50	14°58	19°54	21°47	6°52	11°R39	12°55	4°50	n.a.
W28	10 37 25	11°18'19	19°29	18°56	3°24	16°38	12° 0	15° 2	19°52	21°45	6°53	11°39	12°51	4°57	n.a.
T29	10 41 22	12°15'41	3°Z14	20°29	2°49	17°21	12°11	15° 7	19°49	21°44	6°53	11°38	12°48	5° 4	n.a.
F30	10 45 18	13°13'01	16°44	2° 4	2°16	18° 4	12°21	15°12	19°47	21°42	6°53	11°35	12°45	5°10	n.a.
S31	10 49 15	14°X10'19	0°L 1	23°Z41	1°X44	18°Z48	12°Z31	15°Z17	19°L45	21°L41	6°Z53	11°Y31	12°Y42	5°M17	n.a.

Delta T = 23h01m12s Julian Calendar 1 March 3151 BCE == Greg. Calendar 3 Feb. 3151 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

APRIL 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	10 53 12	15°X 7'36	13°L 4	25°Z20	1°R15	19°Z31	12°Z41	15°Z22	19°R43	21°R39	6°Z53	11°R27	12°Y39	5°M24	n.a.
M 2	10 57 8	16° 4'52	25°53	27° 2	0°X46	20°14	12°51	15°27	19°L40	21°L38	6°53	11°Y23	12°36	5°30	n.a.
T 3	11 1 5	17° 2'07	8°M28	28°46	0°20	20°58	13° 1	15°32	19°38	21°36	6°R53	11°20	12°32	5°37	n.a.
W 4	11 5 1	17°59'20	20°51	0°X33	29°Z56	21°41	13°10	15°37	19°36	21°35	6°53	11°17	12°29	5°44	n.a.
T 5	11 8 58	18°56'33	3°Z 3	2°21	29°34	22°24	13°20	15°43	19°34	21°34	6°53	11°16	12°26	5°50	n.a.
F 6	11 12 54	19°53'45	15° 5	4°12	29°15	23° 7	13°30	15°48	19°32	21°32	6°53	11°D16	12°23	5°57	n.a.
S 7	11 16 51	20°50'55	26°59	6° 5	28°58	23°50	13°39	15°54	19°30	21°31	6°53	11°17	12°20	6° 4	n.a.
S 8	11 20 47	21°48'06	8°M49	8° 0	28°43	24°33	13°48	15°59	19°28	21°30	6°53	11°18	12°16	6°10	n.a.
M 9	11 24 44	22°45'15	20°37	9°58	28°31	25°16	13°57	16° 5	19°26	21°28	6°53	11°20	12°13	6°17	n.a.
T10	11 28 41	23°42'24	2°Z29	11°57	28°21	25°59	14° 6	16°10	19°24	21°27	6°52	11°21	12°10	6°24	n.a.
W11	11 32 37	24°39'32	14°29	13°58	28°13	26°41	14°15	16°16	19°22	21°26	6°52	11°22	12° 7	6°30	n.a.
T12	11 36 34	25°36'40	26°40	16° 1	28° 8	27°24	14°24	16°22	19°20	21°24	6°52	11°R22	12° 4	6°37	n.a.
F13	11 40 30	26°33'48	9°Z 9	18° 6	28° 5	28° 7	14°33	16°27	19°18	21°23	6°52	11°22	12° 1	6°44	n.a.
S14	11 44 27	27°30'55	21°58	20°13	28°D 5	28°49	14°41	16°33	19°16	21°22	6°51	11°21	11°57	6°50	n.a.
S15	11 48 23	28°28'01	5°Z11	22°21	28° 7	29°32	14°49	16°39	19°15	21°21	6°51	11°19	11°54	6°57	n.a.
M16	11 52 20	29°25'07	18°49	24°30	28°11	0°X14	14°58	16°45	19°13	21°19	6°51	11°18	11°51	7° 4	n.a.
T17	11 56 16	0°Y22'13	2°X53	26°40	28°18	0°57	15° 6	16°51	19°11	21°18	6°50	11°16	11°48	7°10	n.a.
W18	12 0 13	1°19'18	17°19	28°51	28°26	1°39	15°14	16°58	19°10	21°17	6°50	11°15	11°45	7°17	n.a.
T19	12 4 10	2°16'23	2°Y 3	1°Y 2	28°37	2°22	15°22	17° 4	19° 8	21°16	6°50	11°15	11°42	7°24	n.a.
F20	12 8 6	3°13'27	16°58	3°13	28°50	3° 4	15°29	17°10	19° 6	21°15	6°49	11°D15	11°38	7°30	n.a.
S21	12 12 3	4°10'31	1°Z55	5°24	29° 5	3°46	15°37	17°16	19° 5	21°14	6°49	11°15	11°35	7°37	n.a.
S22	12 15 59	5° 7'35	16°48	7°35	29°21	4°28	15°44	17°23	19° 3	21°13	6°48	11°16	11°32	7°44	n.a.
M23	12 19 56	6° 4'37	1°M28	9°46	29°40	5°10	15°51	17°29	19° 2	21°11	6°48	11°16	11°29	7°50	n.a.
T24	12 23 52	7° 1'39	15°52	11°55	0°X 0	5°52	15°59	17°35	19° 0	21°10	6°47	11°16	11°26	7°57	n.a.
W25	12 27 49	7°58'41	29°56	14° 3	0°Z3	6°34	16° 6	17°42	18°59	21° 9	6°47	11°17	11°22	8° 3	n.a.
T26	12 31 45	8°55'42	13°Z39	16°11	0°46	7°16	16°12	17°48	18°58	21° 8	6°46	11°R17	11°19	8°10	n.a.
F27	12 35 42	9°52'42	27° 1	18°16	1°12	7°58	16°19	17°55	18°56	21° 8	6°46	11°17	11°16	8°17	n.a.
S28	12 39 39	10°49'42	10°L 4	20°20	1°39	8°40	16°26	18° 2	18°55	21° 7	6°45	11°D17	11°13	8°23	n.a.
S29	12 43 35	11°46'42	22°50	22°23	2° 7	9°21	16°32	18° 8	18°54	21° 6	6°44	11°17	11°10	8°30	n.a.
M30	12 47 32	12°Y43'41	5°M21	24°Y23	2°X37	10°X 3	16°Z38	18°Z15	18°L53	21°L 5	6°Z44	11°Y17	11°Y 7	8°M37	n.a.

Delta T = 23h01m09s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 3151 BCE

MAY 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 51 28	13°40'39	17°39	26°22	3°9	10°44	16°34	18°22	18°R52	21°R 4	6°R43	11°V17	11°V 3	8°M43	n.a.
W 2	12 55 25	14°37'38	29°48	28°18	3°42	11°26	16°50	18°29	18°R51	21°R 3	6°R42	11°V17	11° 0	8°50	n.a.
T 3	12 59 21	15°34'36	11°48	0°13	4°16	12° 7	16°56	18°36	18°50	21° 2	6°42	11°R17	10°57	8°57	n.a.
F 4	13 3 18	16°31'35	23°42	2° 5	4°51	12°49	17° 1	18°42	18°49	21° 2	6°41	11°17	10°54	9° 3	n.a.
S 5	13 7 14	17°28'33	5°M33	3°56	5°28	13°30	17° 7	18°49	18°48	21° 1	6°40	11°17	10°51	9°10	n.a.
S 6	13 11 11	18°25'32	17°22	5°44	6° 5	14°11	17°12	18°56	18°47	21° 0	6°39	11°16	10°48	9°17	n.a.
M 7	13 15 7	19°22'31	29°11	7°30	6°44	14°53	17°17	19° 3	18°46	20°59	6°38	11°15	10°44	9°23	n.a.
T 8	13 19 4	20°19'30	11°17	9°15	7°24	15°34	17°22	19°10	18°45	20°59	6°38	11°14	10°41	9°30	n.a.
W 9	13 23 1	21°16'30	23° 6	10°57	8° 5	16°15	17°27	19°17	18°44	20°58	6°37	11°12	10°38	9°37	n.a.
T 10	13 26 57	22°13'30	5°Z18	12°37	8°47	16°56	17°31	19°25	18°44	20°58	6°36	11°12	10°35	9°43	n.a.
F 11	13 30 54	23°10'31	17°45	14°14	9°30	17°37	17°36	19°32	18°43	20°57	6°35	11°D11	10°32	9°50	n.a.
S 12	13 34 50	24° 7'32	0°R31	15°50	10°14	18°18	17°40	19°39	18°42	20°57	6°34	11°11	10°28	9°57	n.a.
S 13	13 38 47	25° 4'34	13°39	17°24	10°59	18°59	17°44	19°46	18°42	20°56	6°33	11°12	10°25	10° 3	n.a.
M 14	13 42 43	26° 1'36	27°12	18°55	11°45	19°40	17°48	19°53	18°41	20°56	6°32	11°13	10°22	10°10	n.a.
T 15	13 46 40	26°58'39	11°K11	20°24	12°31	20°20	17°51	20° 1	18°41	20°55	6°31	11°14	10°19	10°17	n.a.
W 16	13 50 36	27°55'43	25°36	21°51	13°18	21° 1	17°55	20° 8	18°41	20°55	6°30	11°15	10°16	10°23	n.a.
T 17	13 54 33	28°52'47	10°V23	23°16	14° 7	21°42	17°58	20°15	18°40	20°54	6°29	11°R15	10°13	10°30	n.a.
F 18	13 58 30	29°49'52	25°26	24°39	14°55	22°22	18° 1	20°23	18°40	20°54	6°28	11°15	10° 9	10°37	n.a.
S 19	14 2 26	0°B46'58	10°B37	25°59	15°45	23° 3	18° 4	20°30	18°40	20°54	6°27	11°13	10° 6	10°43	n.a.
S 20	14 6 23	1°44'04	25°46	27°17	16°35	23°43	18° 7	20°38	18°40	20°53	6°26	11°11	10° 3	10°50	n.a.
M 21	14 10 19	2°41'10	10°II44	28°33	17°26	24°23	18°10	20°45	18°40	20°53	6°25	11° 9	10° 0	10°57	n.a.
T 22	14 14 16	3°38'17	25°23	29°46	18°17	25° 4	18°12	20°52	18°39	20°53	6°24	11° 6	9°57	11° 3	n.a.
W 23	14 18 12	4°35'25	9°B38	0°II57	19°10	25°44	18°14	21° 0	18°D39	20°53	6°23	11° 3	9°53	11°10	n.a.
T 24	14 22 9	5°32'33	23°27	2° 5	20° 2	26°24	18°16	21° 7	18°39	20°53	6°22	11° 2	9°50	11°17	n.a.
F 25	14 26 6	6°29'41	6°D49	3°10	20°56	27° 4	18°18	21°15	18°40	20°52	6°21	11°D 1	9°47	11°23	n.a.
S 26	14 30 2	7°26'50	19°47	4°13	21°49	27°44	18°20	21°22	18°40	20°52	6°19	11° 2	9°44	11°30	n.a.
S 27	14 33 59	8°23'59	2°M24	5°12	22°44	28°24	18°21	21°30	18°40	20°52	6°18	11° 3	9°41	11°37	n.a.
M 28	14 37 55	9°21'09	14°45	6° 9	23°39	29° 4	18°22	21°38	18°40	20°52	6°17	11° 5	9°38	11°43	n.a.
T 29	14 41 52	10°18'19	26°53	7° 3	24°34	29°44	18°23	21°45	18°40	20°D52	6°16	11° 6	9°34	11°50	n.a.
W 30	14 45 48	11°15'30	8°E51	7°53	25°30	0°V24	18°24	21°53	18°41	20°52	6°15	11°R 7	9°31	11°57	n.a.
T 31	14 49 45	12°B12'42	20°E44	8°II40	26°K26	1°V 3	18°Z55	22°B 0	18°D41	20°D52	6°A13	11°V 7	9°V28	12°M 3	n.a.

Delta T = 23h01m06s Julian Calendar 1 May 3151 BCE == Greg. Calendar 5 Apr. 3151 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

JUNE 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	14 53 41	13° 9'55	2°M33	9°II24	27°K23	1°V43	18°Z66	22°B 8	18°D42	20°D52	6°R12	11°R 5	9°V25	12°M10	n.a.
S 2	14 57 38	14° 7'09	14°22	10° 4	28°20	2°23	18°26	22°16	18°42	20°52	6°A11	11°V 1	9°22	12°17	n.a.
S 3	15 1 34	15° 4'24	26°12	10°40	29°18	3° 2	18°R26	22°23	18°43	20°53	6°10	10°56	9°19	12°23	n.a.
M 4	15 5 31	16° 1'40	8°A 6	11°12	0°V16	3°42	18°26	22°31	18°43	20°53	6° 9	10°51	9°15	12°30	n.a.
T 5	15 9 28	16°58'57	20° 5	11°40	1°15	4°21	18°26	22°39	18°44	20°53	6° 7	10°44	9°12	12°37	n.a.
W 6	15 13 24	17°56'15	2°Z12	12° 4	2°14	5° 0	18°25	22°46	18°45	20°53	6° 6	10°38	9° 9	12°43	n.a.
T 7	15 17 21	18°53'35	14°29	12°23	3°13	5°40	18°24	22°54	18°45	20°54	6° 5	10°33	9° 6	12°50	n.a.
F 8	15 21 17	19°50'57	26°58	12°37	4°13	6°19	18°23	23° 2	18°46	20°54	6° 3	10°29	9° 3	12°57	n.a.
S 9	15 25 14	20°48'19	9°R43	12°46	5°13	6°58	18°22	23° 9	18°47	20°54	6° 2	10°26	8°59	13° 3	n.a.
S 10	15 29 10	21°45'43	22°46	12°R51	6°13	7°37	18°21	23°17	18°48	20°55	6° 1	10°D26	8°56	13°10	n.a.
M 11	15 33 7	22°43'09	6°K12	12°50	7°14	8°16	18°20	23°25	18°49	20°55	6° 0	10°26	8°53	13°17	n.a.
T 12	15 37 3	23°40'37	20° 1	12°44	8°15	8°55	18°18	23°32	18°50	20°55	5°58	10°28	8°50	13°23	n.a.
W 13	15 41 0	24°38'05	4°V15	12°32	9°16	9°34	18°16	23°40	18°51	20°56	5°57	10°R29	8°47	13°30	n.a.
T 14	15 44 57	25°35'36	18°53	12°16	10°18	10°13	18°14	23°48	18°52	20°56	5°56	10°29	8°44	13°37	n.a.
F 15	15 48 53	26°33'08	3°B50	11°54	11°20	10°52	18°12	23°55	18°53	20°57	5°54	10°27	8°40	13°44	n.a.
S 16	15 52 50	27°30'42	18°59	11°27	12°22	11°30	18° 9	24° 3	18°55	20°58	5°53	10°23	8°37	13°50	n.a.
S 17	15 56 46	28°28'17	4°II12	10°55	13°25	12° 9	18° 7	24°11	18°56	20°58	5°52	10°17	8°34	13°57	n.a.
M 18	16 0 43	29°25'54	19°18	10°18	14°28	12°47	18° 4	24°19	18°57	20°59	5°50	10°10	8°31	14° 4	n.a.
T 19	16 4 39	0°II23'33	4°B 6	9°37	15°31	13°26	18° 1	24°26	18°59	21° 0	5°49	10° 2	8°28	14°10	n.a.
W 20	16 8 36	1°21'12	18°31	8°53	16°34	14° 4	17°58	24°34	19° 0	21° 0	5°48	9°55	8°25	14°17	n.a.
T 21	16 12 33	2°18'53	2°L27	8° 6	17°38	14°43	17°54	24°42	19° 1	21° 1	5°46	9°50	8°21	14°24	n.a.
F 22	16 16 29	3°16'35	15°54	7°17	18°42	15°21	17°51	24°49	19° 3	21° 2	5°45	9°46	8°18	14°30	n.a.
S 23	16 20 26	4°14'19	28°54	6°26	19°46	15°59	17°47	24°57	19° 5	21° 3	5°43	9°D45	8°15	14°37	n.a.
S 24	16 24 22	5°12'04	11°M30	5°35	20°51	16°37	17°43	25° 4	19° 6	21° 3	5°42	9°45	8°12	14°44	n.a.
M 25	16 28 19	6° 9'50	23°46	4°45	21°55	17°15	17°39	25°12	19° 8	21° 4	5°41	9°46	8° 9	14°50	n.a.
T 26	16 32 15	7° 7'37	5°E49	3°56	23° 0	17°53	17°35	25°20	19°10	21° 5	5°39	9°R46	8° 5	14°57	n.a.
W 27	16 36 12	8° 5'27	17°43	3°10	24° 5	18°31	17°30	25°27	19°11	21° 6	5°38	9°46	8° 2	15° 4	n.a.
T 28	16 40 8	9° 3'17	29°32	2°28	25°10	19° 9	17°26	25°35	19°13	21° 7	5°37	9°44	7°59	15°10	n.a.
F 29	16 44 5	10° 1'09	11°M20	1°50	26°16	19°47	17°21	25°42	19°15	21° 8	5°35	9°40	7°56	15°17	n.a.
S 30	16 48 2	10°II59'03	23°M11	1°II17	27°V22	20°V24	17°Z16	25°B50	19°D17	21°D 9	5°A34	9°V33	7°V53	15°M24	n.a.

Delta T = 23h01m03s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 3151 BCE

JULY 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	16 51 58	11 ^{II} 56'59	5 [♂] 6	0°R51	28°P28	21°V 2	17°R11	25 [♂] 57	19 [♂] 19	21 [♂] 10	5°R33	9°R23	7°V50	15 [♂] 30	n.a.
M 2	16 55 55	12°54'57	17° 7	0 ^{II} 32	29°34	21°39	17 [♂] 6	26° 5	19°21	21°11	5 [♂] 31	9°V12	7°46	15°37	n.a.
T 3	16 59 51	13°52'56	29°17	0°20	0 [♂] 40	22°17	17° 0	26°12	19°23	21°12	5°30	9° 0	7°43	15°44	n.a.
W 4	17 3 48	14°50'58	11 [♂] 35	0°D15	1°47	22°54	16°55	26°20	19°25	21°13	5°29	8°49	7°40	15°50	n.a.
T 5	17 7 44	15°49'01	24° 2	0°19	2°53	23°32	16°49	26°27	19°27	21°14	5°27	8°38	7°37	15°57	n.a.
F 6	17 11 41	16°47'06	6 [♂] 41	0°30	4° 0	24° 9	16°43	26°34	19°29	21°16	5°26	8°30	7°34	16° 4	n.a.
S 7	17 15 37	17°45'14	19°32	0°50	5° 7	24°46	16°37	26°42	19°31	21°17	5°25	8°25	7°31	16°10	n.a.
S 8	17 19 34	18°43'24	2 [♂] 38	1°19	6°15	25°23	16°31	26°49	19°34	21°18	5°23	8°21	7°27	16°17	n.a.
M 9	17 23 31	19°41'36	16° 0	1°55	7°22	26° 0	16°24	26°56	19°36	21°19	5°22	8°D20	7°24	16°24	n.a.
T 10	17 27 27	20°39'50	29°41	2°39	8°30	26°37	16°18	27° 4	19°38	21°21	5°21	8°20	7°21	16°30	n.a.
W11	17 31 24	21°38'06	13 [♂] 43	3°31	9°38	27°14	16°11	27°11	19°41	21°22	5°19	8°R20	7°18	16°37	n.a.
T 12	17 35 20	22°36'25	28° 5	4°30	10°46	27°51	16° 5	27°18	19°43	21°23	5°18	8°19	7°15	16°44	n.a.
F 13	17 39 17	23°34'46	12 [♂] 45	5°37	11°54	28°27	15°58	27°25	19°46	21°25	5°17	8°16	7°11	16°50	n.a.
S 14	17 43 13	24°33'10	27°39	6°49	13° 2	29° 4	15°51	27°33	19°48	21°26	5°16	8°10	7° 8	16°57	n.a.
S 15	17 47 10	25°31'36	12 ^{II} 39	8° 8	14°11	29°41	15°44	27°40	19°51	21°27	5°14	8° 1	7° 5	17° 4	n.a.
M16	17 51 6	26°30'04	27°37	9°32	15°19	0 [♂] 17	15°37	27°47	19°53	21°29	5°13	7°50	7° 2	17°10	n.a.
T 17	17 55 3	27°28'34	12 [♂] 22	11° 1	16°28	0°53	15°30	27°54	19°56	21°30	5°12	7°39	6°59	17°17	n.a.
W18	17 59 0	28°27'06	26°47	12°35	17°37	1°30	15°22	28° 1	19°59	21°32	5°11	7°28	6°56	17°24	n.a.
T 19	18 2 56	29°25'40	10 [♂] 45	14°13	18°46	2° 6	15°15	28° 8	20° 1	21°33	5° 9	7°19	6°52	17°31	n.a.
F 20	18 6 53	0 [♂] 24'16	24°16	15°54	19°55	2°42	15° 8	28°15	20° 4	21°35	5° 8	7°13	6°49	17°37	n.a.
S 21	18 10 49	1°22'54	7 [♂] 19	17°37	21° 5	3°18	15° 0	28°22	20° 7	21°37	5° 7	7° 9	6°46	17°44	n.a.
S 22	18 14 46	2°21'34	19°57	19°23	22°14	3°54	14°52	28°28	20°10	21°38	5° 6	7° 7	6°43	17°51	n.a.
M23	18 18 42	3°20'15	2 [♂] 15	21°11	23°24	4°30	14°45	28°35	20°12	21°40	5° 5	7° 7	6°40	17°57	n.a.
T 24	18 22 39	4°18'59	14°18	23° 1	24°34	5° 5	14°37	28°42	20°15	21°41	5° 3	7° 7	6°37	18° 4	n.a.
W25	18 26 35	5°17'44	26°11	24°52	25°44	5°41	14°29	28°49	20°18	21°43	5° 2	7° 6	6°33	18°11	n.a.
T 26	18 30 32	6°16'32	8 [♂] 0	26°43	26°54	6°17	14°21	28°55	20°21	21°45	5° 1	7° 3	6°30	18°17	n.a.
F 27	18 34 29	7°15'21	19°49	28°35	28° 4	6°52	14°13	29° 2	20°24	21°47	5° 0	6°58	6°27	18°24	n.a.
S 28	18 38 25	8°14'13	1 [♂] 43	0 [♂] 27	29°14	7°27	14° 5	29° 9	20°27	21°48	4°59	6°49	6°24	18°31	n.a.
S 29	18 42 22	9°13'06	13°45	2°19	0 ^{II} 24	8° 3	13°57	29°15	20°30	21°50	4°58	6°39	6°21	18°37	n.a.
M30	18 46 18	10°12'02	25°56	4°11	1°35	8°38	13°49	29°22	20°33	21°52	4°57	6°26	6°17	18°44	n.a.
T 31	18 50 15	11 [♂] 11'00	8 [♂] 18	6 [♂] 3	2 ^{II} 46	9 [♂] 13	13 [♂] 41	29 [♂] 28	20 [♂] 36	21 [♂] 54	4 [♂] 56	6 [♂] 12	6 [♂] 14	18 [♂] 51	n.a.

Delta T = 23h01m00s Julian Calendar 1 July 3151 BCE == Greg. Calendar 5 June 3151 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

AUGUST 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
W 1	18 54 11	12 [♂] 10'00	20 [♂] 51	7 [♂] 54	3 ^{II} 56	9 [♂] 48	13°R33	29 [♂] 34	20 [♂] 39	21 [♂] 55	4°R55	5°R59	6°V11	18 [♂] 57	n.a.
T 2	18 58 8	13° 9'03	3 [♂] 36	9°45	5° 7	10°23	13 [♂] 25	29°41	20°43	21°57	4 [♂] 54	5°V46	6° 8	19° 4	n.a.
F 3	19 2 5	14° 8'07	16°32	11°35	6°18	10°58	13°17	29°47	20°46	21°59	4°53	5°37	6° 5	19°11	n.a.
S 4	19 6 1	15° 7'14	29°39	13°24	7°29	11°32	13° 9	29°53	20°49	22° 1	4°52	5°30	6° 2	19°17	n.a.
S 5	19 9 58	16° 6'24	12 [♂] 57	15°13	8°41	12° 7	13° 1	29°59	20°52	22° 3	4°51	5°26	5°58	19°24	n.a.
M 6	19 13 54	17° 5'36	26°26	17° 1	9°52	12°41	12°53	0 ^{II} 5	20°56	22° 5	4°50	5°24	5°55	19°31	n.a.
T 7	19 17 51	18° 4'50	10 [♂] 8	18°48	11° 4	13°16	12°45	0°11	20°59	22° 7	4°49	5°D24	5°52	19°37	n.a.
W 8	19 21 47	19° 4'08	24° 4	20°34	12°15	13°50	12°37	0°17	21° 2	22° 9	4°48	5°R24	5°49	19°44	n.a.
T 9	19 25 44	20° 3'27	8 [♂] 13	22°19	13°27	14°24	12°29	0°23	21° 6	22°11	4°47	5°23	5°46	19°51	n.a.
F 10	19 29 40	21° 2'50	22°34	24° 4	14°39	14°58	12°22	0°29	21° 9	22°13	4°46	5°20	5°43	19°58	n.a.
S 11	19 33 37	22° 2'15	7 ^{II} 6	25°47	15°51	15°32	12°14	0°35	21°12	22°15	4°45	5°14	5°39	20° 4	n.a.
S 12	19 37 34	23° 1'42	21°42	27°30	17° 3	16° 6	12° 6	0°40	21°16	22°17	4°45	5° 5	5°36	20°11	n.a.
M13	19 41 30	24° 1'12	6 [♂] 17	29°12	18°15	16°40	11°58	0°46	21°19	22°19	4°44	4°55	5°33	20°18	n.a.
T 14	19 45 27	25° 0'45	20°44	0 [♂] 53	19°27	17°13	11°51	0°51	21°23	22°21	4°43	4°44	5°30	20°24	n.a.
W15	19 49 23	26° 0'19	4 [♂] 55	2°34	20°39	17°47	11°43	0°57	21°26	22°23	4°42	4°33	5°27	20°31	n.a.
T 16	19 53 20	26°59'56	18°46	4°14	21°52	18°20	11°36	1° 2	21°30	22°25	4°42	4°24	5°23	20°38	n.a.
F 17	19 57 16	27°59'35	2 [♂] 13	5°52	23° 4	18°54	11°28	1° 8	21°33	22°27	4°41	4°17	5°20	20°44	n.a.
S 18	20 1 13	28°59'15	15°15	7°31	24°17	19°27	11°21	1°13	21°37	22°29	4°40	4°13	5°17	20°51	n.a.
S 19	20 5 9	29°58'58	27°54	9° 8	25°30	20° 0	11°14	1°18	21°40	22°31	4°40	4°11	5°14	20°58	n.a.
M20	20 9 6	0 [♂] 58'43	10 [♂] 14	10°45	26°42	20°32	11° 7	1°23	21°44	22°33	4°39	4°D11	5°11	21° 4	n.a.
T 21	20 13 3	1°58'29	22°19	12°21	27°55	21° 5	11° 0	1°28	21°47	22°35	4°38	4°12	5° 8	21°11	n.a.
W22	20 16 59	2°58'18	4 [♂] 13	13°56	29° 8	21°38	10°53	1°33	21°51	22°38	4°38	4°R12	5° 4	21°18	n.a.
T 23	20 20 56	3°58'09	16° 3	15°31	0 [♂] 21	22°10	10°46	1°38	21°55	22°40	4°37	4°11	5° 1	21°24	n.a.
F 24	20 24 52	4°58'01	27°54	17° 5	1°34	22°42	10°39	1°43	21°58	22°42	4°37	4° 9	4°58	21°31	n.a.
S 25	20 28 49	5°57'56	9 [♂] 50	18°38	2°47	23°15	10°33	1°48	22° 2	22°44	4°36	4° 3	4°55	21°38	n.a.
S 26	20 32 45	6°57'52	21°56	20°11	4° 1	23°47	10°26	1°52	22° 6	22°46	4°36	3°56	4°52	21°45	n.a.
M27	20 36 42	7°57'51	4 [♂] 15	21°43	5°14	24°18	10°20	1°57	22° 9	22°48	4°35	3°47	4°49	21°51	n.a.
T 28	20 40 38	8°57'51	16°48	23°14	6°27	24°50	10°14	2° 1	22°13	22°51	4°35	3°36	4°45	21°58	n.a.
W29	20 44 35	9°57'54	29°38	24°45	7°41	25°22	10° 8	2° 6	22°17	22°53	4°34	3°26	4°42	22° 5	n.a.
T 30	20 48 32	10°57'58	12 [♂] 42	26°15	8°55	25°53	10° 2	2°10	22°20	22°55	4°34	3°17	4°39	22°11	n.a.
F 31	20 52 28	11 [♂] 58'05	26 [♂] 0	27 [♂] 45	10 [♂] 8	26 [♂] 24	9 [♂] 56	2 ^{II} 14	22 [♂] 24	22 [♂] 57	4 [♂] 34	3°V10	4°V36	22 [♂] 18	n.a.

Delta T = 23h00m58s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 3151 BCE

SEPTEMBER 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	20 56 25	12♌58'13	9♋31	29♎14	11♎22	26♉56	9°R51	2♐18	22♎28	22♎59	4°R33	3°R 5	4♉33	22♌25	n.a.
S 2	21 0 21	13°58'24	23°12	0♐42	12°36	27°27	9♉45	2°22	22°32	23° 2	4♌33	3♉ 3	4°29	22°31	n.a.
M 3	21 4 18	14°58'37	7♉1	2°10	13°49	27°57	9°40	2°26	22°35	23° 4	4°33	3°D 2	4°26	22°38	n.a.
T 4	21 8 14	15°58'52	20°57	3°37	15° 3	28°28	9°35	2°30	22°39	23° 6	4°32	3° 3	4°23	22°45	n.a.
W 5	21 12 11	16°59'10	4♉58	5° 3	16°17	28°59	9°30	2°34	22°43	23° 8	4°32	3° 4	4°20	22°51	n.a.
T 6	21 16 7	17°59'29	19° 5	6°29	17°31	29°29	9°25	2°37	22°47	23°11	4°32	3°R 5	4°17	22°58	n.a.
F 7	21 20 4	18°59'52	3♐15	7°54	18°46	29°59	9°21	2°41	22°50	23°13	4°32	3° 4	4°14	23° 5	n.a.
S 8	21 24 1	20° 0'16	17°27	9°18	20° 0	0♐29	9°17	2°44	22°54	23°15	4°32	3° 1	4°10	23°12	n.a.
S 9	21 27 57	21° 0'43	1♉38	10°41	21°14	0°59	9°12	2°48	22°58	23°17	4°31	2°56	4° 7	23°18	n.a.
M10	21 31 54	22° 1'12	15°45	12° 3	22°28	1°28	9° 8	2°51	23° 2	23°20	4°31	2°50	4° 4	23°25	n.a.
T11	21 35 50	23° 1'43	29°44	13°25	23°43	1°58	9° 5	2°54	23° 5	23°22	4°31	2°43	4° 1	23°32	n.a.
W12	21 39 47	24° 2'16	13♎30	14°45	24°57	2°27	9° 1	2°57	23° 9	23°24	4°31	2°37	3°58	23°38	n.a.
T13	21 43 43	25° 2'50	27° 1	16° 5	26°12	2°56	8°57	3° 0	23°13	23°26	4°D31	2°31	3°54	23°45	n.a.
F14	21 47 40	26° 3'27	10♐13	17°23	27°26	3°25	8°54	3° 3	23°17	23°29	4°31	2°27	3°51	23°52	n.a.
S15	21 51 36	27° 4'05	23° 7	18°39	28°41	3°53	8°51	3° 6	23°21	23°31	4°31	2°25	3°48	23°58	n.a.
S16	21 55 33	28° 4'44	5♎42	19°54	29°55	4°22	8°48	3° 9	23°24	23°33	4°31	2°D25	3°45	24° 5	n.a.
M17	21 59 30	29° 5'26	18° 0	21° 8	1♎10	4°50	8°46	3°11	23°28	23°35	4°32	2°26	3°42	24°12	n.a.
T18	22 3 26	0♐6'09	0♌5	22°19	2°25	5°18	8°43	3°14	23°32	23°38	4°32	2°28	3°39	24°18	n.a.
W19	22 7 23	1° 6'53	12° 1	23°28	3°39	5°46	8°41	3°16	23°36	23°40	4°32	2°29	3°35	24°25	n.a.
T20	22 11 19	2° 7'38	23°52	24°35	4°54	6°13	8°39	3°18	23°39	23°42	4°32	2°31	3°32	24°32	n.a.
F21	22 15 16	3° 8'25	5♌43	25°39	6° 9	6°40	8°37	3°20	23°43	23°44	4°32	2°R31	3°29	24°39	n.a.
S22	22 19 12	4° 9'14	17°39	26°41	7°24	7° 7	8°35	3°22	23°47	23°47	4°32	2°30	3°26	24°45	n.a.
S23	22 23 9	5°10'04	29°46	27°38	8°39	7°34	8°34	3°24	23°51	23°49	4°33	2°28	3°23	24°52	n.a.
M24	22 27 5	6°10'55	12♉ 6	28°32	9°54	8° 1	8°33	3°26	23°54	23°51	4°33	2°24	3°20	24°59	n.a.
T25	22 31 2	7°11'47	24°45	29°21	11° 9	8°27	8°32	3°28	23°58	23°53	4°33	2°21	3°16	25° 5	n.a.
W26	22 34 59	8°12'40	7♎43	0♎ 5	12°24	8°53	8°31	3°29	24° 2	23°56	4°34	2°16	3°13	25°12	n.a.
T27	22 38 55	9°13'35	21° 2	0°44	13°39	9°19	8°30	3°31	24° 5	23°58	4°34	2°13	3°10	25°19	n.a.
F28	22 42 52	10°14'31	4♋40	1°17	14°54	9°44	8°30	3°32	24° 9	24° 0	4°34	2°10	3° 7	25°25	n.a.
S29	22 46 48	11°15'28	18°35	1°42	16° 9	10°10	8°D30	3°34	24°13	24° 2	4°35	2° 8	3° 4	25°32	n.a.
S30	22 50 45	12♐16'27	2♉44	1♎59	17♎24	10♐35	8♉30	3♐35	24♎16	24♎ 4	4♌35	2°D 8	3♉ 0	25♌39	n.a.

Delta T = 23h00m55s Julian Calendar 1 Sept. 3151 BCE == Greg. Calendar 6 Aug. 3151 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

OCTOBER 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
M 1	22 54 41	13♐17'27	17♉ 1	2°R 8	18♎39	10♐59	8♉30	3♐36	24♎20	24♎ 6	4♌36	2°Y 8	2°Y57	25♌45	n.a.
T 2	22 58 38	14°18'28	1♉23	2♎ 8	19°55	11°24	8°30	3°37	24°24	24° 9	4°36	2° 9	2°54	25°52	n.a.
W 3	23 2 34	15°19'31	15°45	1°58	21°10	11°48	8°31	3°38	24°27	24°11	4°37	2°11	2°51	25°59	n.a.
T 4	23 6 31	16°20'36	0♐ 4	1°37	22°25	12°12	8°32	3°38	24°31	24°13	4°37	2°12	2°48	26° 6	n.a.
F 5	23 10 28	17°21'42	14°16	1° 5	23°40	12°35	8°33	3°39	24°34	24°15	4°38	2°R12	2°45	26°12	n.a.
S 6	23 14 24	18°22'49	28°20	0°22	24°56	12°59	8°34	3°39	24°38	24°17	4°39	2°12	2°41	26°19	n.a.
S 7	23 18 21	19°23'58	12♎14	29♐29	26°11	13°22	8°36	3°40	24°41	24°19	4°39	2°11	2°38	26°26	n.a.
M 8	23 22 17	20°25'08	25°57	28°26	27°26	13°44	8°37	3°40	24°45	24°21	4°40	2°10	2°35	26°32	n.a.
T 9	23 26 14	21°26'20	9♎29	27°14	28°42	14° 6	8°39	3°40	24°48	24°23	4°41	2° 8	2°32	26°39	n.a.
W10	23 30 10	22°27'32	22°47	25°57	29°57	14°28	8°41	3°R40	24°52	24°25	4°41	2° 7	2°29	26°46	n.a.
T11	23 34 7	23°28'46	5♐22	24°35	1♐13	14°50	8°43	3°40	24°55	24°27	4°42	2° 6	2°26	26°52	n.a.
F12	23 38 3	24°30'00	18°44	23°12	2°28	15°11	8°46	3°40	24°59	24°29	4°43	2° 5	2°22	26°59	n.a.
S13	23 42 0	25°31'16	1♎21	21°51	3°43	15°32	8°49	3°40	25° 2	24°31	4°44	2°D 5	2°19	27° 6	n.a.
S14	23 45 57	26°32'32	13°46	20°35	4°59	15°52	8°51	3°39	25° 5	24°33	4°45	2° 5	2°16	27°13	n.a.
M15	23 49 53	27°33'49	25°58	19°24	6°14	16°12	8°54	3°39	25° 9	24°35	4°46	2° 6	2°13	27°19	n.a.
T16	23 53 50	28°35'06	8♌ 0	18°23	7°30	16°32	8°58	3°38	25°12	24°37	4°46	2° 6	2°10	27°26	n.a.
W17	23 57 46	29°36'24	19°55	17°32	8°45	16°51	9° 1	3°37	25°15	24°39	4°47	2° 6	2° 6	27°33	n.a.
T18	0 1 43	0♎37'43	1♌45	16°51	10° 1	17°10	9° 5	3°37	25°19	24°41	4°48	2° 7	2° 3	27°39	n.a.
F19	0 5 39	1°39'02	13°36	16°22	11°16	17°29	9° 9	3°36	25°22	24°43	4°49	2° 7	2° 0	27°46	n.a.
S20	0 9 36	2°40'21	25°31	16° 4	12°32	17°47	9°13	3°34	25°25	24°45	4°50	2°R 7	1°57	27°53	n.a.
S21	0 13 32	3°41'41	7♉34	15°D56	13°47	18° 4	9°17	3°33	25°28	24°47	4°51	2°D 7	1°54	27°59	n.a.
M22	0 17 29	4°43'00	19°52	15°59	15° 3	18°21	9°21	3°32	25°31	24°49	4°52	2° 7	1°51	28° 6	n.a.
T23	0 21 26	5°44'20	28°27	16°12	16°18	18°38	9°26	3°31	25°35	24°51	4°53	2° 7	1°47	28°13	n.a.
W24	0 25 22	6°45'40	15°25	16°33	17°34	18°54	9°31	3°29	25°38	24°52	4°54	2° 7	1°44	28°20	n.a.
T25	0 29 19	7°47'01	28°46	17° 2	18°49	19°10	9°36	3°27	25°41	24°54	4°55	2° 8	1°41	28°26	n.a.
F26	0 33 15	8°48'21	12♋33	17°38	20° 5	19°25	9°41	3°26	25°44	24°56	4°57	2° 9	1°38	28°33	n.a.
S27	0 37 12	9°49'41	26°43	18°20	21°20	19°40	9°46	3°24	25°47	24°58	4°58	2°R 9	1°35	28°40	n.a.
S28	0 41 8	10°51'01	11♉14	19° 8	22°36	19°54	9°52	3°22	25°50	24°59	4°59	2° 9	1°31	28°46	n.a.
M29	0 45 5	11°52'22	25°58	20° 1	23°51	20° 8	9°57	3°20	25°53	25° 1	5° 0	2° 8	1°28	28°53	n.a.
T30	0 49 1	12°53'43	10♉50	20°58	25° 7	20°21	10° 3	3°18	25°55	25° 3	5° 1	2° 7	1°25	29° 0	n.a.
W31	0 52 58	13♎55'04	25♉41	21♐59	26♐22	20♐34	10♉ 9	3♐15	25♎58	25♎ 4	5♌ 3	2°Y 6	1°Y22	29♌ 6	n.a.

Delta T = 23h00m52s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 3151 BCE

NOVEMBER 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 56 54	14 ⁵⁶ 26	10 ^{II} 23	23 ^{III} 4	27 ^{III} 38	20 ^{II} 46	10 ^Σ 16	3 ^R 13	26 ^Ω 1	25 ^Ω 6	5 [♂] 4	2 ^R 4	1 ^Υ 19	29 ^{III} 13	n.a.
F 2	1 0 51	15 ⁵⁷ 48	24 ⁵²	24 ¹¹	28 ⁵³	20 ⁵⁸	10 ²²	3 ^{II} 11	26 [°] 4	25 [°] 8	5 [°] 5	2 ^Υ 3	1 [°] 16	29 ²⁰	n.a.
S 3	1 4 48	16 ⁵⁹ 10	9 ^Σ 3	25 ²¹	0 ^Σ 9	21 [°] 9	10 ²⁹	3 [°] 8	26 [°] 7	25 [°] 9	5 [°] 6	2 [°] 2	1 [°] 12	29 ²⁷	n.a.
S 4	1 8 44	18 [°] 0'33	22 [°] 54	26 [°] 34	1 [°] 24	21 [°] 19	10 [°] 35	3 [°] 6	26 [°] 9	25 [°] 11	5 [°] 8	2 [°] D 2	1 [°] 9	29 [°] 33	n.a.
M 5	1 12 41	19 [°] 1'55	6 ^Ω 26	27 [°] 48	2 [°] 40	21 [°] 29	10 [°] 42	3 [°] 3	26 [°] 12	25 [°] 12	5 [°] 9	2 [°] 3	1 [°] 6	29 [°] 40	n.a.
T 6	1 16 37	20 [°] 3'18	19 [°] 39	29 [°] 4	3 [°] 55	21 [°] 39	10 [°] 49	3 [°] 0	26 [°] 15	25 [°] 14	5 [°] 10	2 [°] 4	1 [°] 3	29 [°] 47	n.a.
W 7	1 20 34	21 [°] 4'41	2 ^{III} 36	0 ^Σ 22	5 [°] 11	21 [°] 47	10 [°] 56	2 [°] 57	26 [°] 17	25 [°] 15	5 [°] 12	2 [°] 5	1 [°] 0	29 [°] 53	n.a.
T 8	1 24 30	22 [°] 6'04	15 [°] 19	1 [°] 41	6 [°] 26	21 [°] 55	11 [°] 4	2 [°] 54	26 [°] 20	25 [°] 17	5 [°] 13	2 [°] 7	0 [°] 57	0 [♂] 0	n.a.
F 9	1 28 27	23 [°] 7'26	27 [°] 49	3 [°] 2	7 [°] 42	22 [°] 3	11 [°] 11	2 [°] 51	26 [°] 22	25 [°] 18	5 [°] 15	2 ^R 8	0 [°] 53	0 [°] 7	n.a.
S 10	1 32 23	24 [°] 8'49	10 ^Σ 9	4 [°] 24	8 [°] 57	22 [°] 9	11 [°] 19	2 [°] 48	26 [°] 25	25 [°] 19	5 [°] 16	2 [°] 7	0 [°] 50	0 [°] 13	n.a.
S 11	1 36 20	25 [°] 10'11	22 [°] 19	5 [°] 46	10 [°] 13	22 [°] 15	11 [°] 27	2 [°] 44	26 [°] 27	25 [°] 21	5 [°] 17	2 [°] 6	0 [°] 47	0 [°] 20	n.a.
M12	1 40 17	26 [°] 11'33	4 ^{II} 22	7 [°] 10	11 [°] 28	22 [°] 21	11 [°] 35	2 [°] 41	26 [°] 29	25 [°] 22	5 [°] 19	2 [°] 3	0 [°] 44	0 [°] 27	n.a.
T 13	1 44 13	27 [°] 12'54	16 [°] 19	8 [°] 35	12 [°] 44	22 [°] 25	11 [°] 43	2 [°] 38	26 [°] 32	25 [°] 23	5 [°] 20	1 [°] 59	0 [°] 41	0 [°] 34	n.a.
W14	1 48 10	28 [°] 14'15	28 [°] 12	10 [°] 0	13 [°] 59	22 [°] 29	11 [°] 51	2 [°] 34	26 [°] 34	25 [°] 25	5 [°] 22	1 [°] 55	0 [°] 37	0 [°] 40	n.a.
T 15	1 52 6	29 [°] 15'35	10 [♂] 2	11 [°] 26	15 [°] 14	22 [°] 33	11 [°] 59	2 [°] 30	26 [°] 36	25 [°] 26	5 [°] 23	1 [°] 50	0 [°] 34	0 [°] 47	n.a.
F 16	1 56 3	0 ^{III} 16'54	21 [°] 53	12 [°] 53	16 [°] 30	22 [°] 35	12 [°] 8	2 [°] 27	26 [°] 38	25 [°] 27	5 [°] 25	1 [°] 45	0 [°] 31	0 [°] 54	n.a.
S 17	1 59 59	1 [°] 18'13	3 ^Σ 48	14 [°] 20	17 [°] 45	22 [°] 37	12 [°] 17	2 [°] 23	26 [°] 41	25 [°] 28	5 [°] 26	1 [°] 41	0 [°] 28	1 [°] 0	n.a.
S 18	2 3 56	2 [°] 19'31	15 [°] 49	15 [°] 48	19 [°] 1	22 [°] 38	12 [°] 25	2 [°] 19	26 [°] 43	25 [°] 29	5 [°] 28	1 [°] 38	0 [°] 25	1 [°] 7	n.a.
M19	2 7 52	3 [°] 20'48	28 [°] 2	17 [°] 17	20 [°] 16	22 ^R 39	12 [°] 34	2 [°] 15	26 [°] 45	25 [°] 31	5 [°] 30	1 ^D 36	0 [°] 22	1 [°] 14	n.a.
T 20	2 11 49	4 [°] 22'03	10 ^Σ 31	18 [°] 46	21 [°] 31	22 [°] 38	12 [°] 44	2 [°] 11	26 [°] 47	25 [°] 32	5 [°] 31	1 [°] 36	0 [°] 18	1 [°] 21	n.a.
W21	2 15 46	5 [°] 23'18	23 [°] 21	20 [°] 16	22 [°] 47	22 [°] 37	12 [°] 53	2 [°] 7	26 [°] 49	25 [°] 33	5 [°] 33	1 [°] 38	0 [°] 15	1 [°] 27	n.a.
T 22	2 19 42	6 [°] 24'32	6 [♂] 35	21 [°] 46	24 [°] 2	22 [°] 35	13 [°] 2	2 [°] 3	26 [°] 51	25 [°] 34	5 [°] 34	1 [°] 39	0 [°] 12	1 [°] 34	n.a.
F 23	2 23 39	7 [°] 25'44	20 [°] 17	23 [°] 17	25 [°] 17	22 [°] 32	13 [°] 12	1 [°] 59	26 [°] 52	25 [°] 35	5 [°] 36	1 [°] 41	0 [°] 9	1 [°] 41	n.a.
S 24	2 27 35	8 [°] 26'55	4 ^Υ 27	24 [°] 48	26 [°] 33	22 [°] 29	13 [°] 21	1 [°] 55	26 [°] 54	25 [°] 36	5 [°] 38	1 ^R 41	0 [°] 6	1 [°] 47	n.a.
S 25	2 31 32	9 [°] 28'06	19 [°] 3	26 [°] 20	27 [°] 48	22 [°] 25	13 [°] 31	1 [°] 50	26 [°] 56	25 [°] 37	5 [°] 39	1 [°] 40	0 [°] 3	1 [°] 54	n.a.
M26	2 35 28	10 [°] 29'15	4 ^Σ 1	27 [°] 53	29 [°] 3	22 [°] 20	13 [°] 41	1 [°] 46	26 [°] 58	25 [°] 38	5 [°] 41	1 [°] 37	29 [♂] 59	2 [°] 1	n.a.
T 27	2 39 25	11 [°] 30'23	19 [°] 12	29 [°] 26	0 ^{III} 18	22 [°] 14	13 [°] 51	1 [°] 42	26 [°] 59	25 [°] 38	5 [°] 43	1 [°] 32	29 [°] 56	2 [°] 7	n.a.
W28	2 43 21	12 [°] 31'30	4 ^{II} 27	1 ^{II} 0	1 [°] 34	22 [°] 7	14 [°] 1	1 [°] 37	27 [°] 1	25 [°] 39	5 [°] 44	1 [°] 26	29 [°] 53	2 [°] 14	n.a.
T 29	2 47 18	13 [°] 32'37	19 [°] 34	2 [°] 34	2 [°] 49	22 [°] 0	14 [°] 11	1 [°] 33	27 [°] 2	25 [°] 40	5 [°] 46	1 [°] 19	29 [°] 50	2 [°] 21	n.a.
F 30	2 51 15	14 ^{III} 33'42	4 ^Σ 25	4 ^{II} 9	4 ^{II} 4	21 ^{II} 52	14 ^Σ 21	1 ^{II} 28	27 ^Ω 4	25 ^Ω 41	5 [♂] 48	1 ^Υ 13	29 [♂] 47	2 [♂] 28	n.a.

Delta T = 23h00m49s Julian Calendar 1 Nov. 3151 BCE == Greg. Calendar 6 Oct. 3151 BCE
 The year -3150 astronomical counting style corresponds to year 3151 B.C.E historical counting style.

DECEMBER 3151 BCE (-3150) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	2 55 11	15 ^{III} 34'47	18 ^Σ 53	5 ^{III} 44	5 ^{III} 19	21 ^R 43	14 ^Σ 32	1 ^R 24	27 ^Ω 5	25 ^Ω 42	5 [♂] 49	1 ^R 8	29 [♂] 43	2 [♂] 34	n.a.
S 2	2 59 8	16 [°] 35'50	2 ^Ω 54	7 [°] 20	6 [°] 34	21 ^{II} 33	14 [°] 43	1 ^{II} 19	27 [°] 7	25 [°] 42	5 [°] 51	1 ^Υ 5	29 [°] 40	2 [°] 41	n.a.
M 3	3 3 4	17 [°] 36'53	16 [°] 28	8 [°] 56	7 [°] 50	21 [°] 22	14 [°] 53	1 [°] 15	27 [°] 8	25 [°] 43	5 [°] 53	1 ^D 4	29 [°] 37	2 [°] 48	n.a.
T 4	3 7 1	18 [°] 37'55	29 [°] 37	10 [°] 34	9 [°] 5	21 [°] 11	15 [°] 4	1 [°] 10	27 [°] 9	25 [°] 44	5 [°] 55	1 [°] 5	29 [°] 34	2 [°] 54	n.a.
W 5	3 10 57	19 [°] 38'55	12 ^{III} 24	12 [°] 12	10 [°] 20	20 [°] 59	15 [°] 15	1 [°] 5	27 [°] 11	25 [°] 44	5 [°] 56	1 [°] 6	29 [°] 31	3 [°] 1	n.a.
T 6	3 14 54	20 [°] 39'55	24 [°] 54	13 [°] 50	11 [°] 35	20 [°] 46	15 [°] 26	1 [°] 0	27 [°] 12	25 [°] 45	5 [°] 58	1 ^R 7	29 [°] 28	3 [°] 8	n.a.
F 7	3 18 50	21 [°] 40'53	7 ^Σ 10	15 [°] 29	12 [°] 50	20 [°] 32	15 [°] 37	0 [°] 56	27 [°] 13	25 [°] 45	6 [°] 0	1 [°] 7	29 [°] 24	3 [°] 15	n.a.
S 8	3 22 47	22 [°] 41'50	19 [°] 17	17 [°] 9	14 [°] 5	20 [°] 18	15 [°] 48	0 [°] 51	27 [°] 14	25 [°] 46	6 [°] 2	1 [°] 5	29 [°] 21	3 [°] 21	n.a.
S 9	3 26 44	23 [°] 42'46	1 ^{II} 16	18 [°] 50	15 [°] 20	20 [°] 2	15 [°] 59	0 [°] 46	27 [°] 15	25 [°] 46	6 [°] 3	1 [°] 1	29 [°] 18	3 [°] 28	n.a.
M10	3 30 40	24 [°] 43'41	13 [°] 11	20 [°] 31	16 [°] 35	19 [°] 47	16 [°] 11	0 [°] 41	27 [°] 16	25 [°] 47	6 [°] 5	0 [°] 54	29 [°] 15	3 [°] 35	n.a.
T 11	3 34 37	25 [°] 44'34	25 [°] 3	22 [°] 13	17 [°] 50	19 [°] 30	16 [°] 22	0 [°] 36	27 [°] 17	25 [°] 47	6 [°] 7	0 [°] 45	29 [°] 12	3 [°] 41	n.a.
W12	3 38 33	26 [°] 45'26	6 [♂] 54	23 [°] 56	19 [°] 5	19 [°] 13	16 [°] 34	0 [°] 31	27 [°] 18	25 [°] 48	6 [°] 9	0 [°] 34	29 [°] 8	3 [°] 48	n.a.
T 13	3 42 30	27 [°] 46'16	18 [°] 46	25 [°] 40	20 [°] 21	18 [°] 55	16 [°] 45	0 [°] 27	27 [°] 18	25 [°] 48	6 [°] 10	0 [°] 22	29 [°] 5	3 [°] 55	n.a.
F 14	3 46 26	28 [°] 47'04	0 ^Σ 39	27 [°] 24	21 [°] 36	18 [°] 36	16 [°] 57	0 [°] 22	27 [°] 19	25 [°] 48	6 [°] 12	0 [°] 10	29 [°] 2	4 [°] 2	n.a.
S 15	3 50 23	29 [°] 47'51	12 [°] 37	29 [°] 9	22 [°] 51	18 [°] 17	17 [°] 9	0 [°] 17	27 [°] 20	25 [°] 48	6 [°] 14	0 [°] 0	28 [°] 59	4 [°] 8	n.a.
S 16	3 54 19	0 [♂] 48'36	24 [°] 41	0 [♂] 55	24 [°] 6	17 [°] 57	17 [°] 21	0 [°] 12	27 [°] 21	25 [°] 49	6 [°] 16	29 [♂] 52	28 [°] 56	4 [°] 15	n.a.
M17	3 58 16	1 [°] 49'19	6 ^Σ 54	2 [°] 41	25 [°] 20	17 [°] 37	17 [°] 33	0 [°] 7	27 [°] 21	25 [°] 49	6 [°] 18	29 [°] 46	28 [°] 53	4 [°] 22	n.a.
T 18	4 2 13	2 [°] 50'00	19 [°] 21	4 [°] 29	26 [°] 35	17 [°] 16	17 [°] 45	0 [°] 2	27 [°] 22	25 [°] 49	6 [°] 19	29 [°] 43	28 [°] 49	4 [°] 28	n.a.
W19	4 6 9	3 [°] 50'39	2 [♂] 4	6 [°] 17	27 [°] 50	16 [°] 55	17 [°] 57	29 [♂] 57	27 [°] 22	25 [°] 49	6 [°] 21	29 ^D 42	28 [°] 46	4 [°] 35	n.a.
T 20	4 10 6	4 [°] 51'16	15 [°] 9	8 [°] 6	29 [°] 5	16 [°] 33	18 [°] 10	29 [°] 53	27 [°] 23	25 [°] 49	6 [°] 23	29 [°] 42	28 [°] 43	4 [°] 42	n.a.
F 21	4 14 2	5 [°]													