

SWISS EPHEMERIS for the year 2199 BCE

JANUARY 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	5 26 26	23 ^h 43'32	6 ^h 42	1 ^h 38	0 ^h 38	0 ^h 0	5 ^h 18	27 ^h 7	29 ^h 52	15 ^h 29	18 ^h 45	21 ^h 20	22 ^h 49	10 ^h 40	n.a.
T 2	5 30 23	24 ^h 44'01	19 ^h 44	3 ^h 3	1 ^h 53	0 ^h 44	5 ^h 21	27 ^h 9	29 ^h 56	15 ^h 28	18 ^h 47	21 ^h 20	22 ^h 46	10 ^h 46	n.a.
W 3	5 34 19	25 ^h 44'29	2 ^h 25	4 ^h 29	3 ^h 7	1 ^h 29	5 ^h 24	27 ^h 11	29 ^h 59	15 ^h 26	18 ^h 48	21 ^h 20	22 ^h 42	10 ^h 53	n.a.
T 4	5 38 16	26 ^h 44'53	14 ^h 47	5 ^h 56	4 ^h 22	2 ^h 14	5 ^h 27	27 ^h 13	0 ^h 3	15 ^h 24	18 ^h 49	21 ^h 18	22 ^h 39	11 ^h 0	n.a.
F 5	5 42 13	27 ^h 45'16	26 ^h 57	7 ^h 25	5 ^h 36	2 ^h 58	5 ^h 30	27 ^h 15	0 ^h 6	15 ^h 23	18 ^h 50	21 ^h 14	22 ^h 36	11 ^h 6	n.a.
S 6	5 46 9	28 ^h 45'37	8 ^h 57	8 ^h 54	6 ^h 50	3 ^h 42	5 ^h 34	27 ^h 16	0 ^h 10	15 ^h 21	18 ^h 51	21 ^h 8	22 ^h 33	11 ^h 13	n.a.
S 7	5 50 6	29 ^h 45'56	20 ^h 51	10 ^h 24	8 ^h 5	4 ^h 27	5 ^h 38	27 ^h 18	0 ^h 13	15 ^h 20	18 ^h 52	20 ^h 59	22 ^h 30	11 ^h 20	n.a.
M 8	5 54 2	0 ^h 46'12	2 ^h 11	11 ^h 56	9 ^h 19	5 ^h 11	5 ^h 42	27 ^h 20	0 ^h 16	15 ^h 18	18 ^h 53	20 ^h 50	22 ^h 27	11 ^h 27	n.a.
T 9	5 57 59	1 ^h 46'27	14 ^h 35	13 ^h 28	10 ^h 33	5 ^h 55	5 ^h 46	27 ^h 21	0 ^h 20	15 ^h 16	18 ^h 54	20 ^h 40	22 ^h 23	11 ^h 33	n.a.
W10	6 1 55	2 ^h 46'39	26 ^h 28	15 ^h 2	11 ^h 47	6 ^h 40	5 ^h 50	27 ^h 22	0 ^h 23	15 ^h 15	18 ^h 55	20 ^h 30	22 ^h 20	11 ^h 40	n.a.
T 11	6 5 52	3 ^h 46'49	8 ^h 24	16 ^h 36	13 ^h 2	7 ^h 24	5 ^h 55	27 ^h 24	0 ^h 27	15 ^h 13	18 ^h 56	20 ^h 22	22 ^h 17	11 ^h 47	n.a.
F 12	6 9 48	4 ^h 46'58	20 ^h 25	18 ^h 11	14 ^h 16	8 ^h 8	5 ^h 59	27 ^h 25	0 ^h 30	15 ^h 12	18 ^h 57	20 ^h 16	22 ^h 14	11 ^h 53	n.a.
S 13	6 13 45	5 ^h 47'04	2 ^h 13	19 ^h 48	15 ^h 30	8 ^h 52	6 ^h 4	27 ^h 26	0 ^h 34	15 ^h 10	18 ^h 58	20 ^h 12	22 ^h 11	12 ^h 0	n.a.
S 14	6 17 42	6 ^h 47'09	14 ^h 48	21 ^h 26	16 ^h 45	9 ^h 36	6 ^h 9	27 ^h 27	0 ^h 37	15 ^h 9	18 ^h 59	20 ^h D10	22 ^h 8	12 ^h 7	n.a.
M15	6 21 38	7 ^h 47'11	27 ^h 13	23 ^h 4	17 ^h 59	10 ^h 20	6 ^h 14	27 ^h 28	0 ^h 40	15 ^h 7	19 ^h 0	20 ^h 10	22 ^h 4	12 ^h 14	n.a.
T 16	6 25 35	8 ^h 47'12	9 ^h 22	24 ^h 44	19 ^h 13	11 ^h 4	6 ^h 20	27 ^h 29	0 ^h 44	15 ^h 5	19 ^h 1	20 ^h 12	22 ^h 1	12 ^h 20	n.a.
W17	6 29 31	9 ^h 47'10	22 ^h 48	26 ^h 24	20 ^h 27	11 ^h 48	6 ^h 25	27 ^h 29	0 ^h 47	15 ^h 4	19 ^h 1	20 ^h 13	21 ^h 58	12 ^h 27	n.a.
T 18	6 33 28	10 ^h 47'07	6 ^h 3	28 ^h 6	21 ^h 42	12 ^h 32	6 ^h 31	27 ^h 30	0 ^h 51	15 ^h 2	19 ^h 2	20 ^h R14	21 ^h 55	12 ^h 34	n.a.
F 19	6 37 24	11 ^h 47'02	19 ^h 41	29 ^h 49	22 ^h 56	13 ^h 16	6 ^h 37	27 ^h 30	0 ^h 54	15 ^h 1	19 ^h 3	20 ^h 14	21 ^h 52	12 ^h 40	n.a.
S 20	6 41 21	12 ^h 46'55	3 ^h 11	1 ^h 33	24 ^h 10	14 ^h 0	6 ^h 43	27 ^h 31	0 ^h 58	15 ^h 0	19 ^h 3	20 ^h 12	21 ^h 48	12 ^h 47	n.a.
S 21	6 45 17	13 ^h 46'47	18 ^h 6	3 ^h 18	25 ^h 24	14 ^h 44	6 ^h 49	27 ^h 31	1 ^h 1	14 ^h 58	19 ^h 4	20 ^h 9	21 ^h 45	12 ^h 54	n.a.
M22	6 49 14	14 ^h 46'36	2 ^h 51	5 ^h 5	26 ^h 39	15 ^h 27	6 ^h 55	27 ^h 31	1 ^h 4	14 ^h 57	19 ^h 5	20 ^h 4	21 ^h 42	13 ^h 1	n.a.
T 23	6 53 11	15 ^h 46'24	17 ^h 50	6 ^h 52	27 ^h 53	16 ^h 11	7 ^h 2	27 ^h R31	1 ^h 8	14 ^h 55	19 ^h 5	19 ^h 59	21 ^h 39	13 ^h 7	n.a.
W24	6 57 7	16 ^h 46'10	2 ^h 35	8 ^h 41	29 ^h 7	16 ^h 55	7 ^h 9	27 ^h 31	1 ^h 11	14 ^h 54	19 ^h 6	19 ^h 54	21 ^h 36	13 ^h 14	n.a.
T 25	7 1 4	17 ^h 45'53	17 ^h 57	10 ^h 30	0 ^h 21	17 ^h 38	7 ^h 15	27 ^h 31	1 ^h 14	14 ^h 53	19 ^h 6	19 ^h 50	21 ^h 33	13 ^h 21	n.a.
F 26	7 5 0	18 ^h 45'35	2 ^h 46	12 ^h 21	1 ^h 35	18 ^h 22	7 ^h 22	27 ^h 31	1 ^h 18	14 ^h 51	19 ^h 7	19 ^h 47	21 ^h 29	13 ^h 27	n.a.
S 27	7 8 57	19 ^h 45'14	17 ^h 15	14 ^h 13	2 ^h 49	19 ^h 5	7 ^h 30	27 ^h 30	1 ^h 21	14 ^h 50	19 ^h 7	19 ^h D46	21 ^h 26	13 ^h 34	n.a.
S 28	7 12 53	20 ^h 44'50	1 ^h 19	16 ^h 7	4 ^h 4	19 ^h 49	7 ^h 37	27 ^h 30	1 ^h 24	14 ^h 49	19 ^h 7	19 ^h 47	21 ^h 23	13 ^h 41	n.a.
M29	7 16 50	21 ^h 44'24	14 ^h 56	18 ^h 1	5 ^h 18	20 ^h 32	7 ^h 44	27 ^h 30	1 ^h 28	14 ^h 47	19 ^h 8	19 ^h 48	21 ^h 20	13 ^h 48	n.a.
T 30	7 20 47	22 ^h 43'56	28 ^h 7	19 ^h 57	6 ^h 32	21 ^h 16	7 ^h 52	27 ^h 29	1 ^h 31	14 ^h 46	19 ^h 8	19 ^h 50	21 ^h 17	13 ^h 54	n.a.
W31	7 24 43	23 ^h 43'25	10 ^h 54	21 ^h 53	7 ^h 46	21 ^h 59	7 ^h 59	27 ^h 28	1 ^h 34	14 ^h 45	19 ^h 8	19 ^h 51	21 ^h 13	14 ^h 1	n.a.

Delta T = 14h55m06s Julian Calendar 1 Jan. 2199 BCE == Greg. Calendar 14 Dec. 2200 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

FEBRUARY 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	7 28 40	24 ^h 42'52	23 ^h 21	23 ^h 51	9 ^h 0	22 ^h 42	8 ^h 7	27 ^h R27	1 ^h 37	14 ^h R44	19 ^h 9	19 ^h R52	21 ^h 10	14 ^h 8	n.a.
F 2	7 32 36	25 ^h 42'16	5 ^h 32	25 ^h 49	10 ^h 14	23 ^h 25	8 ^h 15	27 ^h 26	1 ^h 41	14 ^h 42	19 ^h 9	19 ^h 51	21 ^h 7	14 ^h 14	n.a.
S 3	7 36 33	26 ^h 41'38	17 ^h 32	27 ^h 49	11 ^h 28	24 ^h 9	8 ^h 23	27 ^h 25	1 ^h 44	14 ^h 41	19 ^h 9	19 ^h 50	21 ^h 4	14 ^h 21	n.a.
S 4	7 40 29	27 ^h 40'57	29 ^h 26	29 ^h 49	12 ^h 42	24 ^h 52	8 ^h 32	27 ^h 24	1 ^h 47	14 ^h 40	19 ^h 9	19 ^h 47	21 ^h 1	14 ^h 28	n.a.
M 5	7 44 26	28 ^h 40'14	11 ^h 17	1 ^h 50	13 ^h 56	25 ^h 35	8 ^h 40	27 ^h 23	1 ^h 50	14 ^h 39	19 ^h 9	19 ^h 44	20 ^h 58	14 ^h 35	n.a.
T 6	7 48 22	29 ^h 39'28	23 ^h 9	3 ^h 51	15 ^h 11	26 ^h 18	8 ^h 48	27 ^h 22	1 ^h 53	14 ^h 38	19 ^h 9	19 ^h 41	20 ^h 54	14 ^h 41	n.a.
W 7	7 52 19	0 ^h 38'40	5 ^h 29	5 ^h 53	16 ^h 25	27 ^h 1	8 ^h 57	27 ^h 20	1 ^h 56	14 ^h 37	19 ^h 9	19 ^h 38	20 ^h 51	14 ^h 48	n.a.
T 8	7 56 16	1 ^h 37'50	17 ^h 7	7 ^h 55	17 ^h 39	27 ^h 44	9 ^h 6	27 ^h 19	2 ^h 0	14 ^h 36	19 ^h R 9	19 ^h 35	20 ^h 48	14 ^h 55	n.a.
F 9	8 0 12	2 ^h 36'57	29 ^h 18	9 ^h 57	18 ^h 53	28 ^h 27	9 ^h 15	27 ^h 17	2 ^h 3	14 ^h 35	19 ^h 9	19 ^h 33	20 ^h 45	15 ^h 1	n.a.
S 10	8 4 9	3 ^h 36'03	11 ^h 38	11 ^h 58	20 ^h 7	29 ^h 9	9 ^h 24	27 ^h 16	2 ^h 6	14 ^h 34	19 ^h 9	19 ^h 32	20 ^h 42	15 ^h 8	n.a.
S 11	8 8 5	4 ^h 35'05	24 ^h 9	13 ^h 59	21 ^h 21	29 ^h 52	9 ^h 33	27 ^h 14	2 ^h 9	14 ^h 33	19 ^h 9	19 ^h D32	20 ^h 39	15 ^h 15	n.a.
M12	8 12 2	5 ^h 34'06	6 ^h 22	15 ^h 58	22 ^h 35	0 ^h 35	9 ^h 42	27 ^h 12	2 ^h 12	14 ^h 32	19 ^h 9	19 ^h 33	20 ^h 35	15 ^h 22	n.a.
T 13	8 15 58	6 ^h 33'05	19 ^h 49	17 ^h 57	23 ^h 49	1 ^h 18	9 ^h 51	27 ^h 10	2 ^h 15	14 ^h 31	19 ^h 9	19 ^h 34	20 ^h 32	15 ^h 28	n.a.
W14	8 19 55	7 ^h 32'01	2 ^h 59	19 ^h 53	25 ^h 3	2 ^h 0	10 ^h 1	27 ^h 8	2 ^h 18	14 ^h 30	19 ^h 9	19 ^h 35	20 ^h 29	15 ^h 35	n.a.
T 15	8 23 51	8 ^h 30'56	16 ^h 24	21 ^h 48	26 ^h 17	2 ^h 43	10 ^h 10	27 ^h 6	2 ^h 21	14 ^h 29	19 ^h 9	19 ^h 36	20 ^h 26	15 ^h 42	n.a.
F 16	8 27 48	9 ^h 29'49	0 ^h 11	23 ^h 39	27 ^h 31	3 ^h 26	10 ^h 20	27 ^h 4	2 ^h 24	14 ^h 28	19 ^h 8	19 ^h 36	20 ^h 23	15 ^h 48	n.a.
S 17	8 31 45	10 ^h 28'40	14 ^h 3	25 ^h 28	28 ^h 45	4 ^h 8	10 ^h 30	27 ^h 2	2 ^h 27	14 ^h 27	19 ^h 8	19 ^h R36	20 ^h 19	15 ^h 55	n.a.
S 18	8 35 41	11 ^h 27'29	28 ^h 15	27 ^h 14	29 ^h 59	4 ^h 51	10 ^h 40	26 ^h 59	2 ^h 29	14 ^h 27	19 ^h 8	19 ^h 36	20 ^h 16	16 ^h 2	n.a.
M19	8 39 38	12 ^h 26'16													

SWISS EPHEMERIS for the year 2199 BCE

MARCH 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	9 19 3	22♌12'16	1♃23	11♋35	13♌32	12♋35	12♏35	26♌R28	2♃59	14♌R20	19♌R 2	19♌R33	19♌R41	17♌I16	n.a.		
F 2	9 23 0	23°10'40	13°38	12°21	14°46	13°17	12°46	26♌25	3° 2	14♌I20	19♌ 2	19♌R33	19°38	17°22	n.a.		
S 3	9 26 56	24° 9'02	25°41	13° 1	16° 0	13°59	12°57	26°22	3° 4	14°19	19° 1	19°D33	19°35	17°29	n.a.		
S 4	9 30 53	25° 7'21	7♌I35	13°35	17°14	14°41	13° 8	26°18	3° 6	14°19	19° 0	19°33	19°32	17°36	n.a.		
M 5	9 34 49	26° 5'38	19°27	14° 2	18°27	15°23	13°20	26°15	3° 9	14°19	18°59	19°33	19°29	17°42	n.a.		
T 6	9 38 46	27° 3'53	1♃20	14°24	19°41	16° 5	13°31	26°11	3°11	14°19	18°58	19°34	19°25	17°49	n.a.		
W 7	9 42 43	28° 2'06	13°19	14°40	20°55	16°46	13°42	26° 8	3°13	14°18	18°58	19°35	19°22	17°56	n.a.		
T 8	9 46 39	29° 0'16	25°27	14°50	22° 9	17°28	13°54	26° 4	3°16	14°18	18°57	19°36	19°19	18° 3	n.a.		
F 9	9 50 36	29°58'24	7♌Q47	14°R54	23°23	18°10	14° 6	26° 0	3°18	14°18	18°56	19°36	19°16	18° 9	n.a.		
S 10	9 54 32	0♋56'31	20°21	14°52	24°37	18°51	14°17	25°57	3°20	14°18	18°55	19°R37	19°13	18°16	n.a.		
S 11	9 58 29	1°54'35	3♌I11	14°45	25°50	19°33	14°29	25°53	3°22	14°18	18°54	19°36	19°10	18°23	n.a.		
M12	10 2 25	2°52'38	16°16	14°32	27° 4	20°14	14°41	25°49	3°25	14°18	18°53	19°35	19° 6	18°29	n.a.		
T13	10 6 22	3°50'38	29°36	14°15	28°18	20°56	14°53	25°45	3°27	14°18	18°52	19°34	19° 3	18°36	n.a.		
W14	10 10 18	4°48'37	13♌I10	13°53	29°32	21°37	15° 5	25°41	3°29	14°D18	18°51	19°32	19° 0	18°43	n.a.		
T15	10 14 15	5°46'35	26°57	13°27	0♋46	22°18	15°17	25°37	3°31	14°18	18°50	19°30	18°57	18°50	n.a.		
F16	10 18 12	6°44'30	10♌L53	12°58	1°59	23° 0	15°29	25°33	3°33	14°18	18°49	19°28	18°54	18°56	n.a.		
S17	10 22 8	7°42'25	24°58	12°26	3°13	23°41	15°41	25°29	3°35	14°18	18°48	19°27	18°51	19° 3	n.a.		
S18	10 26 5	8°40'18	9♌ 8	11°51	4°27	24°22	15°53	25°25	3°37	14°18	18°47	19°D26	18°47	19°10	n.a.		
M19	10 30 1	9°38'10	23°22	11°15	5°41	25° 4	16° 5	25°21	3°38	14°18	18°46	19°27	18°44	19°16	n.a.		
T20	10 33 58	10°36'00	7♃37	10°37	6°54	25°45	16°18	25°17	3°40	14°18	18°45	19°28	18°41	19°23	n.a.		
W21	10 37 54	11°33'49	21°51	9°59	8° 8	26°26	16°30	25°12	3°42	14°18	18°43	19°29	18°38	19°30	n.a.		
T22	10 41 51	12°31'36	6♌ 0	9°22	9°22	27° 7	16°43	25° 8	3°44	14°19	18°42	19°30	18°35	19°36	n.a.		
F23	10 45 47	13°29'22	20° 3	8°45	10°36	27°48	16°55	25° 4	3°45	14°19	18°41	19°R31	18°31	19°43	n.a.		
S24	10 49 44	14°27'07	3♋55	8°10	11°50	28°29	17° 8	25° 0	3°47	14°19	18°40	19°30	18°28	19°50	n.a.		
S25	10 53 41	15°24'50	17°33	7°37	13° 3	29°10	17°20	24°55	3°49	14°20	18°38	19°28	18°25	19°57	n.a.		
M26	10 57 37	16°22'31	0♏56	7° 7	14°17	29°51	17°33	24°51	3°50	14°20	18°37	19°25	18°22	20° 3	n.a.		
T27	11 1 34	17°20'11	14° 1	6°39	15°31	0♏32	17°46	24°47	3°52	14°20	18°36	19°21	18°19	20°10	n.a.		
W28	11 5 30	18°17'49	26°48	6°15	16°45	1°13	17°58	24°42	3°53	14°21	18°35	19°16	18°16	20°17	n.a.		
T29	11 9 27	19°15'25	9♃18	5°55	17°58	1°54	18°11	24°38	3°55	14°21	18°33	19°12	18°12	20°23	n.a.		
F30	11 13 23	20°13'00	21°33	5°39	19°12	2°34	18°24	24°34	3°56	14°22	18°32	19° 8	18° 9	20°30	n.a.		
S31	11 17 20	21°10'34	3♌I36	5♋28	20♋26	3♏15	18♏37	24♌29	3♃57	14♌I22	18♌I30	19♌ 5	18♌ 6	20♌I37	n.a.		

Delta T = 14h55m02s Julian Calendar 1 March 2199 BCE == Greg. Calendar 11 Feb. 2199 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

APRIL 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	11 21 16	22♋ 8'05	15♌I31	5°R20	21♋39	3♏56	18♏50	24°R25	3♃59	14♌I23	18°R29	19°R 4	18♌ 3	20♌I44	n.a.		
M 2	11 25 13	23° 5'35	27°23	5°D18	22°53	4°36	19° 3	24♌20	4° 0	14°24	18♌I28	19°D 3	18° 0	20°50	n.a.		
T 3	11 29 9	24° 3'04	9♃16	5♋19	24° 7	5°17	19°16	24°16	4° 1	14°24	18°26	19♌ 4	17°56	20°57	n.a.		
W 4	11 33 6	25° 0'31	21°16	5°26	25°21	5°58	19°29	24°12	4° 2	14°25	18°25	19° 6	17°53	21° 4	n.a.		
T 5	11 37 3	25°57'56	3♌Q27	5°37	26°34	6°38	19°42	24° 7	4° 3	14°26	18°23	19° 8	17°50	21°10	n.a.		
F 6	11 40 59	26°55'20	15°53	5°52	27°48	7°19	19°55	24° 3	4° 4	14°26	18°22	19°R 8	17°47	21°17	n.a.		
S 7	11 44 56	27°52'43	28°37	6°12	29° 2	7°59	20° 8	23°58	4° 5	14°27	18°20	19° 8	17°44	21°24	n.a.		
S 8	11 48 52	28°50'04	11♌Q42	6°36	0♏15	8°40	20°21	23°54	4° 6	14°28	18°19	19° 6	17°41	21°30	n.a.		
M 9	11 52 49	29°47'24	25° 8	7° 5	1°29	9°20	20°35	23°50	4° 7	14°29	18°17	19° 2	17°37	21°37	n.a.		
T10	11 56 45	0♏44'42	8♌I53	7°37	2°43	10° 0	20°48	23°45	4° 8	14°30	18°16	18°57	17°34	21°44	n.a.		
W11	12 0 42	1°42'00	22°55	8°14	3°56	10°41	21° 1	23°41	4° 9	14°30	18°14	18°50	17°31	21°51	n.a.		
T12	12 4 38	2°39'17	7♌L 8	8°54	5°10	11°21	21°14	23°36	4°10	14°31	18°13	18°44	17°28	21°57	n.a.		
F13	12 8 35	3°36'33	21°29	9°39	6°23	12° 1	21°28	23°32	4°10	14°32	18°11	18°38	17°25	22° 4	n.a.		
S14	12 12 32	4°33'48	5♌ 51	10°27	7°37	12°41	21°41	23°28	4°11	14°33	18°10	18°33	17°22	22°11	n.a.		
S15	12 16 28	5°31'03	20°10	11°19	8°51	13°21	21°54	23°24	4°12	14°34	18° 8	18°30	17°18	22°17	n.a.		
M16	12 20 25	6°28'17	4♃24	12°14	10° 4	14° 2	22° 8	23°19	4°12	14°35	18° 7	18°D29	17°15	22°24	n.a.		
T17	12 24 21	7°25'31	18°30	13°13	11°18	14°42	22°21	23°15	4°13	14°36	18° 5	18°29	17°12	22°31	n.a.		
W18	12 28 18	8°22'43	2♌27	14°15	12°32	15°22	22°35	23°11	4°13	14°37	18° 4	18°30	17° 9	22°37	n.a.		
T19	12 32 14	9°19'56	16°14	15°20	13°45	16° 2	22°48	23° 7	4°14	14°39	18° 2	18°R31	17° 6	22°44	n.a.		
F20	12 36 11	10°17'07	29°51	16°29	14°59	16°42	23° 2	23° 3	4°14	14°40	18° 0	18°31	17° 2	22°51	n.a.		
S21	12 40 7	11°14'18	13♋18	17°40	16°13	17°22	23°15	22°59	4°14	14°41	17°59	18°28	16°59	22°58	n.a.		
S22	12 44 4	12°11'29	26°33	18°55	17°26	18° 2	23°29	22°55	4°15	14°42	17°57	18°23	16°56	23° 4	n.a.		
M23	12 48 1	13° 8'39	9♏37	20°13	18°40	18°42	23°42	22°51	4°15	14°43	17°56	18°16	16°53	23°11	n.a.		
T24	12 51 57	14° 5'48	22°26	21°34	19°54	19°22	23°56	22°47	4°15	14°45	17°54	18° 7	16°50	23°18	n.a.		
W25	12 55 54	15° 2'56	5♃ 3	22°58	21° 7	20° 1	24°10	22°43	4°15	14°46	17°52	17°57	16°47	23°24	n.a.		
T26	12 59 50	16° 0'04	17°26	24°24	22°21	20°41	24°23	22°39	4°15	14°47	17°51	17°47	16°43	23°31	n.a.		
F27	13 3 47	16°57'11	29°36	25°54	23°35	21°21	24°37	22°35	4°16	14°49	17°49	17°37	16°40	23°38	n.a.		
S28	13 7 43	17°54'18	11♌I37	27°26	24°48	22° 1	24°50	22°31	4°R16	14°50	17°48	17°30	16°37	23°44	n.a.		
S29	13 11 40	18°51'24	23°30	29° 2	26° 2	22°40	25° 4	22°27	4°15	14°51	17°46	17°24	16°34	23°51	n.a.		
M30	13 15 36	19°48'29	5♃20	0♏40	27♏15	23♏20	25♏18	22♌24	4♃15	14♌I53	17♌I44	17♌I21	16♌I31	23♌I58	n.a.		

Delta T = 14h55m00s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2199 BCE

MAY 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	13 19 33	20°45'33	17°51'12	2°47'21	28°47'29	24°47'00	25°47'31	22°47'20	4°47'15	14°47'54	17°47'43	17°47'20	16°47'28	24°47'11	4	n.a.							
W 2	13 23 30	21°42'37	29°11'11	4°47'29	29°43'24	24°39'25	25°45'22	22°17'40	4°47'15	14°47'56	17°47'41	17°47'20	16°47'21	24°47'18	n.a.								
T 3	13 27 26	22°39'40	11°47'21	5°47'51	0°47'56	25°19'25	25°59'22	22°13'41	4°47'15	14°47'57	17°47'40	17°47'21	16°47'21	24°47'18	n.a.								
F 4	13 31 23	23°36'43	23°49'23	7°47'40	2°10'25	25°59'26	26°12'22	22°10'41	4°47'15	14°47'59	17°47'38	17°47'21	16°47'18	24°47'25	n.a.								
S 5	13 35 19	24°33'45	6°47'38	9°32'32	3°23'26	26°38'26	26°26'22	22°06'41	4°47'14	15°00'17	17°47'36	17°47'19	16°47'15	24°47'31	n.a.								
S 6	13 39 16	25°30'46	19°51'11	11°26'43	4°37'27	27°18'26	26°40'22	22°03'41	4°47'14	15°02'17	17°47'35	17°47'15	16°47'12	24°47'38	n.a.								
M 7	13 43 12	26°27'47	3°47'31	13°22'51	5°51'27	27°57'26	26°53'22	22°00'41	4°47'13	15°03'17	17°47'33	17°47'09	16°47'08	24°47'45	n.a.								
T 8	13 47 09	27°24'48	17°35'15	15°21'07	7°04'28	28°36'27	27°07'21	21°56'41	4°47'13	15°05'17	17°47'32	17°47'01	16°47'05	24°47'51	n.a.								
W 9	13 51 05	28°21'49	2°47'21	17°23'08	8°18'29	29°16'27	27°20'21	21°53'41	4°47'12	15°07'17	17°47'30	16°47'51	16°47'02	24°47'58	n.a.								
T 10	13 55 02	29°18'49	16°39'19	19°26'09	9°31'29	29°55'27	27°34'21	21°50'41	4°47'12	15°08'17	17°47'28	16°47'40	15°47'59	25°47'05	n.a.								
F 11	13 58 59	0°47'50	1°47'25	21°30'10	10°45'08	30'45	27°48'21	21°47'41	4°47'11	15°10'17	17°47'27	16°47'31	15°47'56	25°47'11	n.a.								
S 12	14 02 55	1°12'51	16°10'23	11°59'11	11°59'11	28°01'28	28°01'21	21°44'41	4°47'11	15°12'17	17°47'25	16°47'23	15°47'53	25°47'18	n.a.								
S 13	14 06 52	2°09'52	0°47'31	25°45'13	13°12'23	1°53'28	28°15'21	21°42'41	4°47'10	15°13'17	17°47'24	16°47'18	15°47'49	25°47'25	n.a.								
M 14	14 10 48	3°06'53	15°11'27	27°53'14	14°26'20	2°32'28	28°29'21	21°39'41	4°47'09	15°15'17	17°47'22	16°47'15	15°47'46	25°47'31	n.a.								
T 15	14 14 45	4°03'55	29°19'08	15°39'03	15°39'03	3°12'28	28°42'21	21°36'41	4°47'08	15°17'17	17°47'21	16°47'14	15°47'43	25°47'38	n.a.								
W 16	14 18 41	5°00'57	13°47'13	16°53'03	16°53'03	3°51'28	28°56'21	21°33'41	4°47'07	15°19'17	17°47'19	16°47'14	15°47'40	25°47'45	n.a.								
T 17	14 22 38	5°57'59	26°45'18	4°23'18	18°07'43	29°10'29	29°10'21	21°31'41	4°47'07	15°20'17	17°47'18	16°47'14	15°47'37	25°47'52	n.a.								
F 18	14 26 34	6°55'02	10°47'10	6°33'19	19°20'05	5°09'29	29°23'21	21°28'41	4°47'06	15°22'17	17°47'16	16°47'12	15°47'33	25°47'58	n.a.								
S 19	14 30 31	7°52'05	23°12'08	8°43'20	20°34'05	5°48'29	29°37'21	21°26'41	4°47'05	15°24'17	17°47'15	16°47'08	15°47'30	26°47'05	n.a.								
S 20	14 34 28	8°49'08	6°47'10	10°52'21	21°47'06	6°28'29	29°50'21	21°24'41	4°47'04	15°26'17	17°47'13	16°47'01	15°47'27	26°47'12	n.a.								
M 21	14 38 24	9°46'12	18°50'13	1°23'07	23°01'07	7°07'08	30'41	21°22'41	4°47'03	15°28'17	17°47'12	15°47'51	15°47'24	26°47'18	n.a.								
T 22	14 42 21	10°43'17	1°23'15	15°08'24	15°08'24	7°46'07	0°17'21	21°19'41	4°47'01	15°30'17	17°47'10	15°47'39	15°47'21	26°47'25	n.a.								
W 23	14 46 17	11°40'22	13°45'17	17°14'25	15°28'08	8°25'03	0°31'21	21°17'41	4°47'00	15°32'17	17°47'09	15°47'26	15°47'18	26°47'32	n.a.								
T 24	14 50 14	12°37'27	25°58'19	19°19'26	19°19'26	9°04'29	0°44'21	21°15'41	4°47'00	15°33'17	17°47'07	15°47'13	15°47'14	26°47'38	n.a.								
F 25	14 54 10	13°34'33	8°47'11	21°22'27	15°56'09	9°43'00	0°58'21	21°13'41	4°47'00	15°35'17	17°47'06	15°47'00	15°47'11	26°47'45	n.a.								
S 26	14 58 07	14°31'39	19°56'23	23°24'29	23°24'29	10°22'11	1°11'21	21°12'41	4°47'00	15°37'17	17°47'05	14°47'50	15°47'08	26°47'52	n.a.								
S 27	15 02 03	15°28'45	1°47'19	25°25'02	11°23'11	1°25'21	21°10'08	21°10'03	4°47'00	15°39'17	17°47'03	14°47'42	15°47'05	26°47'58	n.a.								
M 28	15 06 00	16°25'52	13°35'27	27°23'13	1°36'14	1°40'13	1°38'21	21°08'03	4°47'00	15°41'17	17°47'02	14°47'36	15°47'02	27°47'05	n.a.								
T 29	15 09 57	17°22'59	25°25'29	29°20'12	1°50'12	1°52'18	1°52'21	21°07'03	4°47'00	15°43'17	17°47'01	14°47'34	14°47'59	27°47'12	n.a.								
W 30	15 13 53	18°20'06	7°47'11	11°15'04	4°04'12	1°57'02	2°05'21	21°05'03	4°47'00	15°45'17	16°47'59	14°47'33	14°47'55	27°47'19	n.a.								
T 31	15 17 50	19°17'14	19°47'11	13°47'11	5°47'11	1°57'13	2°18'21	21°04'03	4°47'00	15°47'17	16°47'58	14°47'33	14°47'52	27°47'25	n.a.								

Delta T = 14h54m57s Julian Calendar 1 May 2199 BCE == Greg. Calendar 13 Apr. 2199 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

JUNE 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	15 21 46	20°47'22	1°47'56	5°47'02	6°47'31	14°47'15	2°47'32	21°47'03	3°47'48	15°47'49	16°47'57	14°47'32	14°47'49	27°47'32	n.a.								
S 2	15 25 43	21°11'30	14°44'17	6°50'07	7°44'14	14°54'24	2°45'21	21°47'02	3°47'47	15°51'49	16°47'55	14°47'31	14°47'46	27°47'39	n.a.								
S 3	15 29 39	22°08'39	27°58'08	8°38'08	8°58'15	15°33'02	2°58'21	21°01'03	3°45'47	15°53'49	16°54'42	14°47'27	14°47'43	27°47'45	n.a.								
M 4	15 33 36	23°05'48	11°47'41	10°24'10	10°11'16	16°11'03	3°11'21	21°00'03	3°43'47	15°56'49	16°53'42	14°47'21	14°47'39	27°47'52	n.a.								
T 5	15 37 32	24°02'58	25°53'12	11°25'08	11°25'16	16°50'03	3°24'20	20°59'03	3°42'47	15°58'49	16°52'42	14°47'12	14°47'36	27°47'59	n.a.								
W 6	15 41 29	25°00'08	10°47'30	13°51'12	12°39'17	17°29'03	3°38'20	20°58'03	3°40'47	16°00'49	16°51'42	14°47'02	14°47'33	28°47'05	n.a.								
T 7	15 45 26	25°57'20	15°26'13	15°32'18	13°52'18	17°07'03	3°51'20	20°57'03	3°38'47	16°02'49	16°49'42	13°47'52	14°47'30	28°47'12	n.a.								
F 8	15 49 22	26°54'32	10°47'32	17°11'15	15°06'18	18°46'04	4°04'20	20°57'03	3°37'47	16°04'49	16°48'42	13°47'42	14°47'27	28°47'19	n.a.								
S 9	15 53 19	27°51'45	25°38'18	18°48'16	16°19'19	19°25'04	4°17'20	20°56'03	3°35'47	16°06'49	16°47'42	13°47'33	14°47'24	28°47'25	n.a.								
S 10	15 57 15	28°49'00	10°47'35	20°23'17	17°33'20	20°03'43	4°30'20	20°56'03	3°33'47	16°08'49	16°46'42	13°47'28	14°47'20	28°47'32	n.a.								
M 11	16 01 12	29°46'16	25°15'21	21°57'18	18°46'20	20°42'43	4°43'20	20°55'03	3°31'47	16°10'49	16°45'42	13°47'25	14°47'17	28°47'39	n.a.								
T 12	16 05 08	0°47'32	9°47'33	23°29'20	20°00'21	21°21'45	4°56'20	20°55'03	3°29'47	16°13'49	16°44'42	13°47'24	14°47'14	28°47'45	n.a.								
W 13	16 09 05	1°40'50	23°28'24	24°59'21	21°13'21	21°59'05	5°09'20	20°55'03	3°28'47	16°15'49	16°43'42	13°47'24	14°47'11	28°47'52	n.a.								
T 14	16 13 01	2°38'10	7°47'32	26°27'22	22°27'22	22°38'05	5°21'20	20°55'03	3°26'47	16°17'49	16°42'42	13°47'24	14°47'08	28°47'59	n.a.								
F 15	16 16 58	3°35'31	20°15'27	27°53'23	23°40'23	23°16'05	5°34'20	20°55'03	3°24'47	16°19'49	16°41'42	13°47'23	14°47'05	29°47'06	n.a.								
S 16	16 20 55	4°32'53	3°47'11	29°17'24	24°54'23	23°55'05	5°47'20	20°55'03	3°22'47	16°21'49	16°40'42	13°47'19	14°47'01	29°47'12	n.a.								
S 17	16 24 51	5°30'16	15°52'08	0°47'26	26°07'24	24°33'06	6°00'20	20°55'03	3°20'47	16°23'49	16°39'42	13°47'14	13°47'58	29°47'19	n.a.								
M 18	16 28 48	6°27'41	28°20'02	2°01'27	27°21'25	25°12'06	6°12'20	20°56'03	3°18'47	16°26'49	16°38'42	13°47'05	13°47'55	29°47'26	n.a.								
T 19	16 32 44	7°25'08	10°47'38	3°19'28	28°35'25	25°50'06	6°25'20	20°56'03	3°16'47	16°28'49	16°37'42	12°47'55	13°47'52	29°47'32	n.a.								
W 20	16 36 41	8°22'36	22°48'04	4°36'29	29°48'26	26°29'06	6°37'20	20°57'03	3°13'47	16°30'49	16°37'42	12°47'43	13°47'49	29°47'39	n.a.								
T 21	16 40 37	9°20'05	4°47'31	5°50'18	2°27'07	27°07'06	6°50'20	20°57'03	3°11'47	16°32'49	16°36'42	12°47'31	13°47'45	29°47'46	n.a.								
F 22	16 44 34	10°17'35	16°46'07	7°03'21	2°15'27	27°46'07	7°02'20	20°58'03	3°09'47	16°34'49	16°35'42	12°47'20	13°47'42	29°47'52	n.a.								
S 23	16 48 30	11°15'07	28°37'08	8°13'32	3°29'28	28°24'07	7°15'20	20°59'03	3°07'47	16°37'49	16°34'42	12°47'11	13°47'39	29°47'59	n.a.								
S 24	16 52 27	12°12'40	10°47'25	9°21'42	4°42'29	29°02'07	7°27'21	21°00'03	3°05'47	16°39'49	16°33'42	12°47'04	13°47'36	0°47'06	n.a.								
M 25	16 56 24	13°10'15	22°13'10	10°26'55	5°56'29	29°41'07	7°39'21	21°01'03	3°03'47	16°41'49	16°33'42	12°47'00	13°47'33	0°47'12	n.a.								
T 26	17 00 20	14°07'51	4°47'11	11°29'07	7°09'00	30°19'07	7°52'21	21°02'03	3°01'47	16°43'49	16°32'42	11°47'58	13°47'30	0°47'19	n.a.								
W 27	17 04 17	15°05'27	16°01'12	12°29'08	8°23'05	30°57'08	8°04'21	21°03'03	2°58'47	16°46'49	16°31'42	11°47'57	13°47'26	0°47'26	n.a.								
T 28	17 08 13	16°03'06	28°10'13	13°27'09	9°36'16	31°06'16	8°16'21																

SWISS EPHEMERIS for the year 2199 BCE

JULY 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	17 20 3	18II56'07	6♂28	16♁1	13♁16	3II31	8♂52	21♁9	2°R49	16II54	16°R29	11°R58	13♁14	0♁52	n.a.
M 2	17 23 59	19°53'50	20° 6	16°46	14°30	4° 9	9° 4	21°11	2♁47	16°57	16♁29	11♁54	13°11	0°59	n.a.
T 3	17 27 56	20°51'35	4II14	17°28	15°43	4°47	9°15	21°12	2°45	16°59	16°28	11°49	13° 7	1° 6	n.a.
W 4	17 31 53	21°49'20	18°49	18° 5	16°57	5°25	9°27	21°14	2°42	17° 1	16°28	11°42	13° 4	1°13	n.a.
T 5	17 35 49	22°47'08	3♁747	18°39	18°10	6° 3	9°39	21°16	2°40	17° 3	16°27	11°35	13° 1	1°19	n.a.
F 6	17 39 46	23°44'57	18°59	19° 8	19°23	6°42	9°50	21°18	2°37	17° 6	16°27	11°28	12°58	1°26	n.a.
S 7	17 43 42	24°42'48	4♁16	19°33	20°37	7°20	10° 2	21°20	2°35	17° 8	16°27	11°22	12°55	1°33	n.a.
S 8	17 47 39	25°40'40	19°26	19°53	21°50	7°58	10°13	21°22	2°33	17°10	16°26	11°18	12°51	1°39	n.a.
M 9	17 51 35	26°38'35	4♁21	20° 9	23° 3	8°36	10°24	21°25	2°30	17°12	16°26	11°D16	12°48	1°46	n.a.
T 10	17 55 32	27°36'31	18°53	20°19	24°17	9°14	10°35	21°27	2°28	17°14	16°26	11°16	12°45	1°53	n.a.
W11	17 59 29	28°34'29	2♁59	20°R23	25°30	9°52	10°47	21°30	2°26	17°17	16°26	11°18	12°42	1°59	n.a.
T 12	18 3 25	29°32'30	16°39	20°22	26°43	10°30	10°58	21°32	2°23	17°19	16°26	11°19	12°39	2° 6	n.a.
F 13	18 7 22	0♁30'32	29°55	20°15	27°56	11° 8	11° 9	21°35	2°21	17°21	16°25	11°R19	12°36	2°13	n.a.
S 14	18 11 18	1°28'37	12♀49	20° 2	29°10	11°47	11°20	21°38	2°18	17°23	16°25	11°19	12°32	2°19	n.a.
S 15	18 15 15	2°26'43	25°24	19°43	0♁23	12°25	11°30	21°40	2°16	17°25	16°25	11°16	12°29	2°26	n.a.
M16	18 19 11	3°24'52	7♁44	19°18	1°36	13° 3	11°41	21°43	2°14	17°28	16°25	11°12	12°26	2°33	n.a.
T 17	18 23 8	4°23'03	19°53	18°46	2°49	13°41	11°52	21°46	2°11	17°30	16°D25	11° 7	12°23	2°39	n.a.
W18	18 27 4	5°21'17	1II54	18° 9	4° 3	14°19	12° 2	21°49	2° 9	17°32	16°25	11° 1	12°20	2°46	n.a.
T 19	18 31 1	6°19'32	13°48	17°26	5°16	14°57	12°13	21°53	2° 7	17°34	16°25	10°54	12°17	2°53	n.a.
F 20	18 34 58	7°17'50	25°39	16°38	6°29	15°35	12°23	21°56	2° 4	17°36	16°25	10°48	12°13	2°59	n.a.
S 21	18 38 54	8°16'09	7♁28	15°46	7°42	16°13	12°33	21°59	2° 2	17°38	16°25	10°43	12°10	3° 6	n.a.
S 22	18 42 51	9°14'31	19°18	14°50	8°55	16°51	12°43	22° 3	1°59	17°40	16°26	10°40	12° 7	3°13	n.a.
M23	18 46 47	10°12'54	1♁ 9	13°52	10° 8	17°29	12°53	22° 6	1°57	17°42	16°26	10°38	12° 4	3°19	n.a.
T 24	18 50 44	11°11'19	13° 5	12°52	11°22	18° 7	13° 3	22°10	1°55	17°45	16°26	10°D37	12° 1	3°26	n.a.
W25	18 54 40	12° 9'47	25° 8	11°52	12°35	18°45	13°13	22°13	1°52	17°47	16°26	10°38	11°57	3°33	n.a.
T 26	18 58 37	13° 8'16	7♁22	10°53	13°48	19°23	13°23	22°17	1°50	17°49	16°27	10°40	11°54	3°40	n.a.
F 27	19 2 33	14° 6'47	19°49	9°57	15° 1	20° 1	13°33	22°21	1°48	17°51	16°27	10°41	11°51	3°46	n.a.
S 28	19 6 30	15° 5'19	2♁34	9° 5	16°14	20°38	13°42	22°25	1°45	17°53	16°27	10°43	11°48	3°53	n.a.
S 29	19 10 27	16° 3'54	15°41	8°18	17°27	21°16	13°51	22°29	1°43	17°55	16°28	10°R43	11°45	4° 0	n.a.
M30	19 14 23	17° 2'30	29°12	7°38	18°40	21°54	14° 1	22°33	1°41	17°57	16°28	10°43	11°42	4° 6	n.a.
T 31	19 18 20	18♁1'09	13II 9	7♁ 5	19♁53	22II32	14♁10	22♁37	1♁38	17II59	16♁28	10♁41	11♁38	4♁13	n.a.

Delta T = 14h54m53s Julian Calendar 1 July 2199 BCE == Greg. Calendar 13 June 2199 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

AUGUST 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
W 1	19 22 16	18♁59'49	27II31	6°R40	21♁ 6	23II10	14♁19	22♁41	1°R36	18II 1	16♁29	10°R39	11♁35	4♁20	n.a.
T 2	19 26 13	19°58'31	12♁16	6♁24	22°18	23°48	14°28	22°46	1♁34	18° 3	16°29	10♁36	11°32	4°26	n.a.
F 3	19 30 9	20°57'15	27°18	6°D17	23°31	24°26	14°37	22°50	1°32	18° 5	16°30	10°33	11°29	4°33	n.a.
S 4	19 34 6	21°56'01	12♁29	6°21	24°44	25° 3	14°45	22°54	1°30	18° 7	16°31	10°31	11°26	4°40	n.a.
S 5	19 38 2	22°54'50	27°39	6°34	25°57	25°41	14°54	22°59	1°27	18° 8	16°31	10°30	11°23	4°46	n.a.
M 6	19 41 59	23°53'40	12♁38	6°56	27°10	26°19	15° 2	23° 3	1°25	18°10	16°32	10°D30	11°19	4°53	n.a.
T 7	19 45 56	24°52'33	27°19	7°28	28°22	26°57	15°11	23° 8	1°23	18°12	16°33	10°30	11°16	5° 0	n.a.
W 8	19 49 52	25°51'28	11♁35	8° 9	29°35	27°35	15°19	23°13	1°21	18°14	16°33	10°31	11°13	5° 6	n.a.
T 9	19 53 49	26°50'25	25°25	8°58	0♁48	28°12	15°27	23°17	1°19	18°16	16°34	10°32	11°10	5°13	n.a.
F 10	19 57 45	27°49'25	8♀49	9°55	2° 0	28°50	15°35	23°22	1°17	18°18	16°35	10°33	11° 7	5°20	n.a.
S 11	20 1 42	28°48'27	21°47	10°59	3°13	29°28	15°43	23°27	1°15	18°20	16°36	10°34	11° 3	5°26	n.a.
S 12	20 5 38	29°47'32	4♁24	12°10	4°26	0♁ 6	15°50	23°32	1°13	18°21	16°36	10°R34	11° 0	5°33	n.a.
M13	20 9 35	0♁46'39	16°43	13°28	5°38	0°43	15°58	23°37	1°11	18°23	16°37	10°34	10°57	5°40	n.a.
T 14	20 13 31	1°45'49	28°48	14°50	6°51	1°21	16° 5	23°42	1° 9	18°25	16°38	10°33	10°54	5°46	n.a.
W15	20 17 28	2°45'02	10II44	16°17	8° 3	1°59	16°13	23°47	1° 7	18°27	16°39	10°32	10°51	5°53	n.a.
T 16	20 21 25	3°44'17	22°35	17°48	9°16	2°36	16°20	23°53	1° 5	18°28	16°40	10°31	10°48	6° 0	n.a.
F 17	20 25 21	4°43'34	4♁24	19°22	10°28	3°14	16°27	23°58	1° 3	18°30	16°41	10°30	10°44	6° 6	n.a.
S 18	20 29 18	5°42'54	16°13	20°59	11°41	3°52	16°33	24° 3	1° 1	18°32	16°42	10°29	10°41	6°13	n.a.
S 19	20 33 14	6°42'16	28° 7	22°39	12°53	4°29	16°40	24° 9	0°59	18°33	16°43	10°29	10°38	6°20	n.a.
M20	20 37 11	7°41'40	10♁ 6	24°20	14° 5	5° 7	16°47	24°14	0°58	18°35	16°44	10°D29	10°35	6°26	n.a.
T 21	20 41 7	8°41'06	22°12	26° 3	15°18	5°45	16°53	24°20	0°56	18°36	16°45	10°29	10°32	6°33	n.a.
W22	20 45 4	9°40'35	4♁28	27°47	16°30	6°22	16°59	24°25	0°54	18°38	16°47	10°29	10°29	6°40	n.a.
T 23	20 49 0	10°40'05	16°55	29°32	17°42	7° 0	17° 5	24°31	0°52	18°39	16°48	10°R29	10°25	6°46	n.a.
F 24	20 52 57	11°39'38	29°34	1♁17	18°54	7°38	17°11	24°36	0°51	18°41	16°49	10°29	10°22	6°53	n.a.
S 25	20 56 54	12°39'12	12♁29	3° 3	20° 6	8°15	17°17	24°42	0°49	18°42	16°50	10°29	10°19	7° 0	n.a.
S 26	21 0 50	13°38'49	25°40	4°48	21°19	8°53	17°22	24°48	0°48	18°44	16°51	10°29	10°16	7° 6	n.a.
M27	21 4 47	14°38'28	9II 9	6°34	22°31	9°30	17°28	24°54	0°46	18°45	16°53	10°D28	10°13	7°13	n.a.
T 28	21 8 43	15°38'08	22°57	8°20	23°43	10° 8	17°33	25° 0	0°45	18°47	16°54	10°28	10° 9	7°20	n.a.
W29	21 12 40	16°37'51	7♁ 5	10° 5	24°55	10°45	17°38	25° 5	0°43	18°48	16°55	10°29	10° 6	7°26	n.a.
T 30	21 16 36	17°37'35	21°30	11°50	26° 6	11°23	17°43	25°11	0°42	18°50	16°57	10°29	10° 3	7°33	n.a.
F 31	21 20 33	18♁37'21	6♁10	13♁34	27♁18	12♁ 0	17♁47	25♁17	0♁40	18II51	16♁58	10♁30	10♁ 0	7♁40	n.a.

Delta T = 14h54m51s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2199 BCE

SEPTEMBER 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	21 24 29	19Ω37'09	21♁0	15Ω19	28♁30	12♁38	17♁52	25♁24	0°R39	18♁52	17♁0	10♁31	9♁57	7♁46	n.a.
S 2	21 28 26	20°37'00	5♁52	17° 2	29°42	13°15	17°56	25°30	0°38	18°53	17° 1	10°R31	9°54	7°53	n.a.
M 3	21 32 23	21°36'52	20°40	18°45	0♁54	13°53	18° 0	25°36	0°37	18°55	17° 3	10°31	9°50	8° 0	n.a.
T 4	21 36 19	22°36'46	5♁16	20°28	2° 5	14°30	18° 4	25°42	0°35	18°56	17° 4	10°30	9°47	8° 6	n.a.
W 5	21 40 16	23°36'42	19°34	22° 9	3°17	15° 8	18° 8	25°48	0°34	18°57	17° 6	10°29	9°44	8°13	n.a.
T 6	21 44 12	24°36'41	3♁28	23°51	4°28	15°45	18°12	25°54	0°33	18°58	17° 7	10°27	9°41	8°20	n.a.
F 7	21 48 9	25°36'42	16°58	25°31	5°40	16°23	18°15	26° 1	0°32	18°59	17° 9	10°25	9°38	8°26	n.a.
S 8	21 52 5	26°36'45	0♁2	27°11	6°51	17° 0	18°19	26° 7	0°31	19° 0	17°11	10°23	9°34	8°33	n.a.
S 9	21 56 2	27°36'51	12°44	28°51	8° 3	17°38	18°22	26°13	0°30	19° 1	17°12	10°22	9°31	8°40	n.a.
M10	21 59 58	28°36'59	25° 5	0♁30	9°14	18°15	18°25	26°20	0°29	19° 2	17°14	10°D21	9°28	8°46	n.a.
T 11	22 3 55	29°37'09	7♁12	2° 9	10°25	18°52	18°27	26°26	0°28	19° 3	17°16	10°21	9°25	8°53	n.a.
W12	22 7 52	0♁37'22	19° 7	3°46	11°36	19°30	18°30	26°33	0°27	19° 4	17°17	10°22	9°22	9° 0	n.a.
T 13	22 11 48	1°37'36	0♁57	5°24	12°47	20° 7	18°32	26°39	0°27	19° 5	17°19	10°23	9°19	9° 6	n.a.
F 14	22 15 45	2°37'54	12°45	7° 1	13°58	20°45	18°34	26°46	0°26	19° 6	17°21	10°25	9°15	9°13	n.a.
S 15	22 19 41	3°38'13	24°37	8°37	15° 9	21°22	18°36	26°52	0°25	19° 7	17°23	10°27	9°12	9°20	n.a.
S 16	22 23 38	4°38'34	6Ω35	10°13	16°20	21°59	18°38	26°59	0°24	19° 8	17°24	10°R28	9° 9	9°26	n.a.
M17	22 27 34	5°38'57	18°43	11°49	17°31	22°37	18°40	27° 6	0°24	19° 9	17°26	10°27	9° 6	9°33	n.a.
T 18	22 31 31	6°39'23	1♁3	13°24	18°42	23°14	18°41	27°12	0°23	19°10	17°28	10°26	9° 3	9°40	n.a.
W19	22 35 27	7°39'50	13°36	14°58	19°53	23°51	18°42	27°19	0°23	19°10	17°30	10°23	9° 0	9°46	n.a.
T 20	22 39 24	8°40'19	26°24	16°32	21° 3	24°28	18°43	27°26	0°22	19°11	17°32	10°19	8°56	9°53	n.a.
F 21	22 43 21	9°40'49	9♁24	18° 6	22°14	25° 6	18°44	27°33	0°22	19°12	17°34	10°14	8°53	10° 0	n.a.
S 22	22 47 17	10°41'22	22°39	19°40	23°24	25°43	18°44	27°39	0°22	19°12	17°36	10° 9	8°50	10° 6	n.a.
S 23	22 51 14	11°41'56	6♁6	21°13	24°35	26°20	18°45	27°46	0°21	19°13	17°38	10° 4	8°47	10°13	n.a.
M24	22 55 10	12°42'32	19°44	22°45	25°45	26°57	18°R45	27°53	0°21	19°14	17°40	10° 1	8°44	10°20	n.a.
T 25	22 59 7	13°43'09	3♁34	24°18	26°55	27°34	18°45	28° 0	0°21	19°14	17°42	9°59	8°40	10°26	n.a.
W26	23 3 3	14°43'47	17°34	25°50	28° 5	28°12	18°45	28° 7	0°21	19°15	17°44	9°D58	8°37	10°33	n.a.
T 27	23 7 0	15°44'27	1♁43	27°21	29°15	28°49	18°44	28°13	0°20	19°15	17°46	9°59	8°34	10°40	n.a.
F 28	23 10 56	16°45'09	16° 0	28°53	0♁25	29°26	18°44	28°20	0°D20	19°16	17°48	10° 1	8°31	10°46	n.a.
S 29	23 14 53	17°45'51	0♁23	0♁23	1°35	0♁3	18°43	28°27	0°20	19°16	17°50	10° 2	8°28	10°53	n.a.
S 30	23 18 50	18♁46'35	14♁49	1♁54	2♁45	0♁40	18♁42	28♁34	0♁20	19♁16	17♁52	10°R 2	8♁25	11♁0	n.a.

Delta T = 14h54m48s Julian Calendar 1 Sept. 2199 BCE == Greg. Calendar 14 Aug. 2199 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

OCTOBER 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	23 22 46	19♁47'20	29♁12	3♁24	3♁54	1Ω17	18°R41	28♁41	0°21	19°17	17°54	10°R 1	8♁21	11♁6	n.a.
T 2	23 26 43	20°48'07	13♁28	4°54	5° 4	1°54	18°39	28°48	0°21	19°17	17°56	9♁57	8°18	11°13	n.a.
W 3	23 30 39	21°48'55	27°32	6°24	6°13	2°31	18°38	28°55	0°21	19°17	17°58	9°52	8°15	11°20	n.a.
T 4	23 34 36	22°49'45	11°Y20	7°53	7°23	3° 8	18°36	29° 2	0°21	19°18	18° 0	9°45	8°12	11°26	n.a.
F 5	23 38 32	23°50'36	24°47	9°22	8°32	3°45	18°34	29° 9	0°22	19°18	18° 2	9°37	8° 9	11°33	n.a.
S 6	23 42 29	24°51'29	7♁52	10°50	9°41	4°22	18°31	29°16	0°22	19°18	18° 4	9°29	8° 6	11°40	n.a.
S 7	23 46 25	25°52'23	20°35	12°18	10°49	4°59	18°29	29°23	0°22	19°18	18° 7	9°22	8° 2	11°46	n.a.
M 8	23 50 22	26°53'19	2♁59	13°45	11°58	5°36	18°26	29°30	0°23	19°18	18° 9	9°17	7°59	11°53	n.a.
T 9	23 54 19	27°54'17	15° 7	15°12	13° 7	6°13	18°24	29°37	0°23	19°18	18°11	9°14	7°56	12° 0	n.a.
W10	23 58 15	28°55'16	27° 3	16°38	14°15	6°50	18°21	29°44	0°24	19°R18	18°13	9°D13	7°53	12° 6	n.a.
T 11	0 2 12	29°56'17	8♁53	18° 3	15°23	7°27	18°17	29°51	0°24	19°18	18°15	9°13	7°50	12°13	n.a.
F 12	0 6 8	0♁57'19	20°41	19°27	16°32	8° 4	18°14	29°57	0°25	19°18	18°18	9°15	7°46	12°20	n.a.
S 13	0 10 5	1°58'23	2Ω34	20°51	17°40	8°41	18°10	0♁4	0°26	19°18	18°20	9°16	7°43	12°26	n.a.
S 14	0 14 1	2°59'28	14°35	22°13	18°47	9°17	18° 7	0°11	0°27	19°18	18°22	9°R16	7°40	12°33	n.a.
M15	0 17 58	4° 0'34	26°50	23°34	19°55	9°54	18° 3	0°18	0°27	19°18	18°24	9°14	7°37	12°40	n.a.
T 16	0 21 54	5° 1'42	9♁22	24°53	21° 3	10°31	17°59	0°25	0°28	19°18	18°27	9°10	7°34	12°46	n.a.
W17	0 25 51	6° 2'50	22°11	26°11	22°10	11° 8	17°54	0°32	0°29	19°17	18°29	9° 3	7°31	12°53	n.a.
T 18	0 29 47	7° 4'00	5♁20	27°27	23°17	11°44	17°50	0°39	0°30	19°17	18°31	8°54	7°27	13° 0	n.a.
F 19	0 33 44	8° 5'11	18°46	28°40	24°24	12°21	17°45	0°46	0°31	19°17	18°33	8°44	7°24	13° 6	n.a.
S 20	0 37 41	9° 6'22	2♁27	29°51	25°31	12°58	17°40	0°53	0°32	19°17	18°36	8°33	7°21	13°13	n.a.
S 21	0 41 37	10° 7'35	16°20	0♁59	26°37	13°34	17°35	1° 0	0°33	19°16	18°38	8°23	7°18	13°20	n.a.
M22	0 45 34	11° 8'48	0♁21	2° 3	27°44	14°11	17°30	1° 7	0°35	19°16	18°40	8°15	7°15	13°26	n.a.
T 23	0 49 30	12°10'02	14°26	3° 3	28°50	14°48	17°25	1°14	0°36	19°16	18°43	8° 9	7°11	13°33	n.a.
W24	0 53 27	13°11'16	28°32	3°58	29°56	15°24	17°19	1°21	0°37	19°15	18°45	8° 6	7° 8	13°40	n.a.
T 25	0 57 23	14°12'31	12♁38	4°48	1♁2	16° 1	17°14	1°28	0°38	19°15	18°47	8°D 5	7° 5	13°46	n.a.
F 26	1 1 20	15°13'46	26°43	5°32	2° 7	16°37	17° 8	1°35	0°40	19°14	18°50	8° 5	7° 2	13°53	n.a.
S 27	1 5 16	16°15'02	10♁46	6°10	3°12	17°13	17° 2	1°41	0°41	19°14	18°52	8°R 5	6°59	13°59	n.a.
S 28	1 9 13	17°16'17	24°45	6°39	4°17	17°50	16°56	1°48	0°43	19°13	18°54	8° 4	6°56	14° 6	n.a.
M29	1 13 10	18°17'33	8♁41	7° 0	5°22	18°26	16°49	1°55	0°44	19°12	18°57	8° 1	6°52	14°13	n.a.
T 30	1 17 6	19°18'50	22°30	7°11	6°26	19° 3	16°43	2° 2	0°46	19°12	18°59	7°54	6°49	14°19	n.a.
W31	1 21 3	20♁20'06	6♁Y 9	7°R13	7♁30	19♁39	16♁36	2♁9	0°47	19♁11	19♁1	7♁45	6♁46	14♁26	n.a.

Delta T = 14h54m46s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2199 BCE

NOVEMBER 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	1 24 59	21 ^h 21'23	19 ^h 37	7 ^h R 3	8 ^h 34	20 ^h 15	16 ^h R30	2 ^h 15	0 ^h 39	19 ^h R10	19 ^h 3	7 ^h R33	6 ^h 43	14 ^h 33	n.a.
S 2	1 28 52	22 ^h 22'41	22 ^h 50	6 ^h L41	9 ^h 37	20 ^h 52	16 ^h 23	2 ^h 22	0 ^h 51	19 ^h 10	19 ^h 6	7 ^h 20	6 ^h 40	14 ^h 39	n.a.
F 3	1 32 52	23 ^h 23'59	15 ^h 46	6 ^h 8	10 ^h 41	21 ^h 28	16 ^h 16	2 ^h 29	0 ^h 52	19 ^h 9	19 ^h 8	7 ^h 7	6 ^h 37	14 ^h 46	n.a.
S 4	1 36 49	24 ^h 25'17	28 ^h 24	5 ^h 24	11 ^h 43	22 ^h 4	16 ^h 9	2 ^h 35	0 ^h 54	19 ^h 8	19 ^h 10	6 ^h 55	6 ^h 33	14 ^h 53	n.a.
M 5	1 40 45	25 ^h 26'36	10 ^h 46	4 ^h 28	12 ^h 46	22 ^h 40	16 ^h 2	2 ^h 42	0 ^h 56	19 ^h 7	19 ^h 13	6 ^h 45	6 ^h 30	14 ^h 59	n.a.
T 6	1 44 42	26 ^h 27'55	22 ^h 53	3 ^h 23	13 ^h 48	23 ^h 16	15 ^h 55	2 ^h 49	0 ^h 58	19 ^h 6	19 ^h 15	6 ^h 38	6 ^h 27	15 ^h 6	n.a.
W 7	1 48 39	27 ^h 29'15	4 ^h 49	2 ^h 10	14 ^h 50	23 ^h 52	15 ^h 48	2 ^h 55	1 ^h 0	19 ^h 5	19 ^h 17	6 ^h 34	6 ^h 24	15 ^h 13	n.a.
T 8	1 52 35	28 ^h 30'36	16 ^h 38	0 ^h 52	15 ^h 51	24 ^h 28	15 ^h 40	3 ^h 2	1 ^h 2	19 ^h 5	19 ^h 20	6 ^h 31	6 ^h 21	15 ^h 19	n.a.
F 9	1 56 32	29 ^h 31'56	28 ^h 25	29 ^h 30	16 ^h 52	25 ^h 4	15 ^h 33	3 ^h 8	1 ^h 4	19 ^h 4	19 ^h 22	6 ^h 31	6 ^h 17	15 ^h 26	n.a.
S 10	2 0 28	0 ^h 33'17	10 ^h 17	28 ^h 8	17 ^h 52	25 ^h 40	15 ^h 25	3 ^h 15	1 ^h 6	19 ^h 3	19 ^h 24	6 ^h 31	6 ^h 14	15 ^h 33	n.a.
S 11	2 4 25	1 ^h 34'38	22 ^h 19	26 ^h 49	18 ^h 53	26 ^h 16	15 ^h 17	3 ^h 21	1 ^h 8	19 ^h 2	19 ^h 26	6 ^h 30	6 ^h 11	15 ^h 39	n.a.
M12	2 8 21	2 ^h 36'00	4 ^h 35	25 ^h 34	19 ^h 52	26 ^h 52	15 ^h 10	3 ^h 27	1 ^h 10	19 ^h 1	19 ^h 29	6 ^h 28	6 ^h 8	15 ^h 46	n.a.
T 13	2 12 18	3 ^h 37'21	17 ^h 11	24 ^h 26	20 ^h 51	27 ^h 28	15 ^h 2	3 ^h 34	1 ^h 12	19 ^h 0	19 ^h 31	6 ^h 23	6 ^h 5	15 ^h 53	n.a.
W14	2 16 14	4 ^h 38'43	0 ^h 10	23 ^h 27	21 ^h 50	28 ^h 4	14 ^h 54	3 ^h 40	1 ^h 14	18 ^h 59	19 ^h 33	6 ^h 15	6 ^h 2	15 ^h 59	n.a.
T 15	2 20 11	5 ^h 40'05	13 ^h 33	22 ^h 38	22 ^h 48	28 ^h 40	14 ^h 46	3 ^h 46	1 ^h 17	18 ^h 57	19 ^h 35	6 ^h 4	5 ^h 58	16 ^h 6	n.a.
F 16	2 24 8	6 ^h 41'26	27 ^h 19	21 ^h 58	23 ^h 46	29 ^h 15	14 ^h 38	3 ^h 53	1 ^h 19	18 ^h 56	19 ^h 38	5 ^h 52	5 ^h 55	16 ^h 13	n.a.
S 17	2 28 4	7 ^h 42'48	11 ^h 25	21 ^h 29	24 ^h 43	29 ^h 51	14 ^h 30	3 ^h 59	1 ^h 21	18 ^h 55	19 ^h 40	5 ^h 39	5 ^h 52	16 ^h 19	n.a.
S 18	2 32 1	8 ^h 44'09	25 ^h 46	21 ^h 10	25 ^h 40	0 ^h 27	14 ^h 22	4 ^h 5	1 ^h 24	18 ^h 54	19 ^h 42	5 ^h 26	5 ^h 49	16 ^h 26	n.a.
M19	2 35 57	9 ^h 45'30	10 ^h 15	21 ^h D 1	26 ^h 36	1 ^h 2	14 ^h 14	4 ^h 11	1 ^h 26	18 ^h 53	19 ^h 44	5 ^h 16	5 ^h 46	16 ^h 33	n.a.
T 20	2 39 54	10 ^h 46'51	24 ^h 46	21 ^h 2	27 ^h 32	1 ^h 38	14 ^h 6	4 ^h 17	1 ^h 28	18 ^h 51	19 ^h 47	5 ^h 8	5 ^h 43	16 ^h 39	n.a.
W21	2 43 50	11 ^h 48'11	9 ^h 13	21 ^h 10	28 ^h 27	2 ^h 13	13 ^h 58	4 ^h 23	1 ^h 31	18 ^h 50	19 ^h 49	5 ^h 4	5 ^h 39	16 ^h 46	n.a.
T 22	2 47 47	12 ^h 49'30	23 ^h 31	21 ^h 27	29 ^h 21	2 ^h 49	13 ^h 50	4 ^h 29	1 ^h 33	18 ^h 49	19 ^h 51	5 ^h 2	5 ^h 36	16 ^h 53	n.a.
F 23	2 51 43	13 ^h 50'49	7 ^h 39	21 ^h 51	0 ^h 14	3 ^h 24	13 ^h 42	4 ^h 35	1 ^h 36	18 ^h 48	19 ^h 53	5 ^h 2	5 ^h 33	16 ^h 59	n.a.
S 24	2 55 40	14 ^h 52'06	21 ^h 36	22 ^h 22	1 ^h 7	3 ^h 59	13 ^h 34	4 ^h 41	1 ^h 38	18 ^h 46	19 ^h 55	5 ^h 2	5 ^h 30	17 ^h 6	n.a.
S 25	2 59 37	15 ^h 53'23	5 ^h 22	22 ^h 59	1 ^h 59	4 ^h 35	13 ^h 25	4 ^h 47	1 ^h 41	18 ^h 45	19 ^h 57	5 ^h 1	5 ^h 27	17 ^h 13	n.a.
M26	3 3 33	16 ^h 54'39	18 ^h 57	23 ^h 40	2 ^h 51	5 ^h 10	13 ^h 17	4 ^h 53	1 ^h 44	18 ^h 44	19 ^h 59	4 ^h 57	5 ^h 23	17 ^h 19	n.a.
T 27	3 7 30	17 ^h 55'54	2 ^h 22	24 ^h 27	3 ^h 41	5 ^h 45	13 ^h 9	4 ^h 58	1 ^h 46	18 ^h 42	20 ^h 2	4 ^h 51	5 ^h 20	17 ^h 26	n.a.
W28	3 11 26	18 ^h 57'08	15 ^h 36	25 ^h 18	4 ^h 31	6 ^h 20	13 ^h 1	5 ^h 4	1 ^h 49	18 ^h 41	20 ^h 4	4 ^h 41	5 ^h 17	17 ^h 32	n.a.
T 29	3 15 23	19 ^h 58'21	28 ^h 40	26 ^h 13	5 ^h 20	6 ^h 55	12 ^h 53	5 ^h 10	1 ^h 52	18 ^h 39	20 ^h 6	4 ^h 30	5 ^h 14	17 ^h 39	n.a.
F 30	3 19 19	20 ^h 59'33	11 ^h 31	27 ^h 11	6 ^h 8	7 ^h 30	12 ^h 45	5 ^h 15	1 ^h 55	18 ^h 38	20 ^h 8	4 ^h 16	5 ^h 11	17 ^h 46	n.a.

Delta T = 14h54m44s Julian Calendar 1 Nov. 2199 BCE == Greg. Calendar 14 Oct. 2199 BCE
 The year -2198 astronomical counting style corresponds to year 2199 B.C.E historical counting style.

DECEMBER 2199 BCE (-2198) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	3 23 16	22 ^h 0'45	24 ^h 10	28 ^h 12	6 ^h 55	8 ^h 25	12 ^h R37	5 ^h 21	1 ^h 57	18 ^h R37	20 ^h 10	4 ^h R 3	5 ^h 8	17 ^h 52	n.a.
S 2	3 27 12	23 ^h 1'55	6 ^h 17	29 ^h 16	7 ^h 41	8 ^h 40	12 ^h R29	5 ^h 26	2 ^h 0	18 ^h 35	20 ^h 12	3 ^h 51	5 ^h 4	17 ^h 59	n.a.
M 3	3 31 9	24 ^h 3'05	18 ^h 50	0 ^h 23	8 ^h 26	9 ^h 14	12 ^h 22	5 ^h 32	2 ^h 3	18 ^h 34	20 ^h 14	3 ^h 40	5 ^h 1	18 ^h 6	n.a.
T 4	3 35 6	25 ^h 4'15	0 ^h 52	1 ^h 32	9 ^h 10	9 ^h 49	12 ^h 14	5 ^h 37	2 ^h 6	18 ^h 32	20 ^h 16	3 ^h 33	4 ^h 58	18 ^h 12	n.a.
W 5	3 39 2	26 ^h 5'23	12 ^h 46	2 ^h 42	9 ^h 52	10 ^h 24	12 ^h 6	5 ^h 42	2 ^h 9	18 ^h 31	20 ^h 18	3 ^h 28	4 ^h 55	18 ^h 19	n.a.
T 6	3 42 59	27 ^h 6'31	24 ^h 34	3 ^h 55	10 ^h 34	10 ^h 58	11 ^h 59	5 ^h 48	2 ^h 12	18 ^h 29	20 ^h 20	3 ^h 26	4 ^h 52	18 ^h 26	n.a.
F 7	3 46 55	28 ^h 7'38	6 ^h 21	5 ^h 10	11 ^h 15	11 ^h 33	11 ^h 51	5 ^h 53	2 ^h 15	18 ^h 28	20 ^h 22	3 ^h D25	4 ^h 48	18 ^h 32	n.a.
S 8	3 50 52	29 ^h 8'44	18 ^h 11	6 ^h 26	11 ^h 54	12 ^h 7	11 ^h 44	5 ^h 58	2 ^h 18	18 ^h 26	20 ^h 24	3 ^h 26	4 ^h 45	18 ^h 39	n.a.
S 9	3 54 48	0 ^h 9'49	0 ^h 10	7 ^h 43	12 ^h 32	12 ^h 42	11 ^h 36	6 ^h 3	2 ^h 21	18 ^h 24	20 ^h 26	3 ^h R26	4 ^h 42	18 ^h 46	n.a.
M10	3 58 45	1 ^h 10'53	12 ^h 25	9 ^h 2	13 ^h 9	13 ^h 16	11 ^h 29	6 ^h 8	2 ^h 24	18 ^h 23	20 ^h 27	3 ^h 26	4 ^h 39	18 ^h 52	n.a.
T 11	4 2 41	2 ^h 11'56	24 ^h 59	10 ^h 22	13 ^h 44	13 ^h 50	11 ^h 22	6 ^h 13	2 ^h 27	18 ^h 21	20 ^h 29	3 ^h 23	4 ^h 36	18 ^h 59	n.a.
W12	4 6 38	3 ^h 12'59	7 ^h 57	11 ^h 43	14 ^h 18	14 ^h 25	11 ^h 15	6 ^h 17	2 ^h 30	18 ^h 20	20 ^h 31	3 ^h 18	4 ^h 33	19 ^h 6	n.a.
T 13	4 10 35	4 ^h 14'00	21 ^h 22	13 ^h 6	14 ^h 50	14 ^h 59	11 ^h 8	6 ^h 22	2 ^h 33	18 ^h 18	20 ^h 33	3 ^h 11	4 ^h 29	19 ^h 12	n.a.
F 14	4 14 31	5 ^h 15'01	5 ^h 15	14 ^h 29	15 ^h 21	15 ^h 33	11 ^h 1	6 ^h 27	2 ^h 36	18 ^h 16	20 ^h 35	3 ^h 2	4 ^h 26	19 ^h 19	n.a.
S 15	4 18 28	6 ^h 16'00	19 ^h 34	15 ^h 53	15 ^h 50	16 ^h 7	10 ^h 54	6 ^h 31	2 ^h 39	18 ^h 15	20 ^h 36	2 ^h 52	4 ^h 23	19 ^h 26	n.a.
S 16	4 22 24	7 ^h 16'58	4 ^h 13	17 ^h 19	16 ^h 18	16 ^h 40	10 ^h 48	6 ^h 36	2 ^h 43	18 ^h 13	20 ^h 38	2 ^h 43	4 ^h 20	19 ^h 32	n.a.
M17	4 26 21	8 ^h 17'55	19 ^h 6	18 ^h 45	16 ^h 44	17 ^h 14	10 ^h 41	6 ^h 40	2 ^h 46	18 ^h 11	20 ^h 40	2 ^h 35	4 ^h 17	19 ^h 39	n.a.
T 18	4 30 17	9 ^h 18'51	4 ^h 2	20 ^h 12	17 ^h 8	17 ^h 48	10 ^h 35	6 ^h 45	2 ^h 49	18 ^h 10	20 ^h 42	2 ^h 29	4 ^h 14	19 ^h 46	n.a.
W19	4 34 14	10 ^h 19'45	18 ^h 54	21 ^h 40	17 ^h 30	18 ^h 21	10 ^h 29	6 ^h 49	2 ^h 52	18 ^h 8	20 ^h 43	2 ^h 26	4 ^h 10	19 ^h 52	n.a.
T 20	4 38 11	11 ^h 20'37	3 ^h 35	23 ^h 9	17 ^h 51	18 ^h 55	10 ^h 23	6 ^h 53	2 ^h 56	18 ^h 6	20 ^h 45	2 ^h D25	4 ^h 7	19 ^h 59	n.a.