

SWISS EPHEMERIS for the year 1008

JANUARY 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	7 0 44	15°51'23	20♍59	29♁10	20♁22	11♌26	16°R37	14°R28	4♃6	12♁44	25♌39	22°R21	21♌13	9♌11	8°R 0		
F 2	7 4 41	16°52'27	3♁15	0♁49	21°35	12° 4	16♍36	14♍27	4° 7	12°46	25°41	22♌17	21°10	9°18	7♌58		
S 3	7 8 37	17°53'31	15°17	2°27	22°48	12°41	16°35	14°25	4° 8	12°48	25°42	22°D16	21° 7	9°24	7°55		
S 4	7 12 34	18°54'34	27° 9	4° 4	24° 1	13°18	16°33	14°24	4°10	12°50	25°44	22°17	21° 4	9°31	7°53		
M 5	7 16 30	19°55'37	8♌56	5°40	25°15	13°56	16°32	14°22	4°11	12°53	25°45	22°17	21° 0	9°37	7°50		
T 6	7 20 27	20°56'39	20°45	7°13	26°28	14°33	16°30	14°20	4°12	12°55	25°47	22°R18	20°57	9°44	7°48		
W 7	7 24 24	21°57'40	2♃39	8°44	27°41	15°10	16°28	14°18	4°14	12°57	25°49	22°18	20°54	9°51	7°45		
T 8	7 28 20	22°58'40	14°44	10°12	28°54	15°47	16°26	14°16	4°15	12°59	25°50	22°15	20°51	9°57	7°43		
F 9	7 32 17	23°59'40	27° 2	11°36	0♃6	16°24	16°23	14°14	4°17	13° 2	25°52	22°10	20°48	10° 4	7°41		
S 10	7 36 13	25° 0'39	9♁37	12°56	1°19	17° 2	16°21	14°12	4°19	13° 4	25°53	22° 2	20°45	10°11	7°39		
S 11	7 40 10	26° 1'37	22°29	14°11	2°32	17°39	16°18	14°10	4°20	13° 6	25°54	21°51	20°41	10°17	7°37		
M12	7 44 6	27° 2'33	5♁37	15°20	3°45	18°16	16°15	14° 7	4°22	13° 8	25°56	21°40	20°38	10°24	7°35		
T 13	7 48 3	28° 3'29	19° 0	16°23	4°57	18°53	16°12	14° 5	4°24	13°11	25°57	21°28	20°35	10°31	7°33		
W14	7 51 59	29° 4'23	2♃36	17°19	6°10	19°30	16° 9	14° 2	4°26	13°13	25°59	21°17	20°32	10°37	7°31		
T 15	7 55 56	0♁5'16	16°22	18° 7	7°22	20° 7	16° 5	14° 0	4°28	13°15	26° 0	21° 8	20°29	10°44	7°29		
F 16	7 59 53	1° 6'07	0♃15	18°46	8°34	20°44	16° 2	13°57	4°29	13°17	26° 1	21° 2	20°26	10°51	7°27		
S 17	8 3 49	2° 6'57	14°13	19°15	9°47	21°21	15°58	13°54	4°31	13°19	26° 2	20°58	20°22	10°57	7°26		
S 18	8 7 46	3° 7'45	28°15	19°34	10°59	21°58	15°54	13°51	4°33	13°22	26° 4	20°D57	20°19	11° 4	7°24		
M19	8 11 42	4° 8'32	12♁20	19°R43	12°11	22°35	15°50	13°48	4°35	13°24	26° 5	20°57	20°16	11°11	7°23		
T 20	8 15 39	5° 9'17	26°27	19°41	13°23	23°11	15°45	13°45	4°38	13°26	26° 6	20°R57	20°13	11°17	7°21		
W21	8 19 35	6°10'01	10♌35	19°28	14°35	23°48	15°41	13°42	4°40	13°28	26° 7	20°56	20°10	11°24	7°20		
T 22	8 23 32	7°10'43	24°43	19° 5	15°47	24°25	15°36	13°39	4°42	13°30	26° 8	20°52	20° 6	11°30	7°19		
F 23	8 27 28	8°11'23	8♁48	18°31	16°58	25° 2	15°31	13°35	4°44	13°32	26° 9	20°45	20° 3	11°37	7°17		
S 24	8 31 25	9°12'01	22°45	17°49	18°10	25°38	15°26	13°32	4°46	13°34	26°10	20°36	20° 0	11°44	7°16		
S 25	8 35 22	10°12'38	6♁32	16°57	19°22	26°15	15°21	13°28	4°49	13°36	26°11	20°24	19°57	11°50	7°15		
M26	8 39 18	11°13'13	20° 3	16° 0	20°33	26°52	15°16	13°25	4°51	13°39	26°12	20°11	19°54	11°57	7°14		
T 27	8 43 15	12°13'47	3♍16	14°57	21°44	27°28	15°11	13°21	4°53	13°41	26°13	19°58	19°51	12° 4	7°13		
W28	8 47 11	13°14'20	16°10	13°50	22°55	28° 5	15° 5	13°17	4°56	13°43	26°14	19°46	19°47	12°10	7°12		
T 29	8 51 8	14°14'50	28°44	12°42	24° 6	28°41	14°59	13°14	4°58	13°45	26°15	19°37	19°44	12°17	7°12		
F 30	8 55 4	15°15'20	11♁1	11°34	25°17	29°18	14°53	13°10	5° 0	13°47	26°16	19°31	19°41	12°24	7°11		
S 31	8 59 1	16°15'48	23♁3	10°28	26♃28	29♌54	14♍47	13♎6	5♏3	13♁49	26♌16	19♍27	19♌38	12♌30	7♌10		

Delta T = 25m38s Julian Calendar 1 Jan. 1008 == Greg. Calendar 7 Jan. 1008

FEBRUARY 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	9 2 57	17°16'14	4♌56	9°R26	27♃39	0♃31	14°R41	13°R 2	5♃5	13♁51	26♌17	19°R25	19♌35	12♌37	7°R10		
M 2	9 6 54	18°16'40	16°43	8°27	28°50	1° 7	14♍35	12♍58	5° 8	13°53	26°18	19♌25	19°32	12°44	7♌ 9		
T 3	9 10 51	19°17'04	28°32	7°35	0♃0	1°43	14°29	12°54	5°11	13°55	26°19	19°25	19°28	12°50	7° 9		
W 4	9 14 47	20°17'26	10♃28	6°48	1°10	2°20	14°22	12°50	5°13	13°57	26°19	19°23	19°25	12°57	7° 9		
T 5	9 18 44	21°17'47	22°35	6° 9	2°21	2°56	14°16	12°46	5°16	13°58	26°20	19°21	19°22	13° 4	7° 9		
F 6	9 22 40	22°18'06	4♁58	5°37	3°31	3°32	14° 9	12°41	5°19	14° 0	26°20	19°15	19°19	13°10	7° 8		
S 7	9 26 37	23°18'24	17°42	5°12	4°41	4° 8	14° 2	12°37	5°21	14° 2	26°21	19° 7	19°16	13°17	7°D 8		
S 8	9 30 33	24°18'40	0♁47	4°54	5°51	4°44	13°55	12°33	5°24	14° 4	26°22	18°56	19°12	13°23	7° 8		
M 9	9 34 30	25°18'55	14°13	4°43	7° 0	5°20	13°48	12°28	5°27	14° 6	26°22	18°43	19° 9	13°30	7° 9		
T 10	9 38 26	26°19'07	28° 0	4°D39	8°10	5°56	13°41	12°24	5°30	14° 8	26°23	18°31	19° 6	13°37	7° 9		
W11	9 42 23	27°19'18	12♃2	4°42	9°19	6°32	13°34	12°19	5°33	14°10	26°23	18°19	19° 3	13°43	7° 9		
T 12	9 46 20	28°19'27	26°15	4°51	10°29	7° 8	13°27	12°15	5°35	14°11	26°23	18° 9	19° 0	13°50	7° 9		
F 13	9 50 16	29°19'33	10♃34	5° 5	11°38	7°44	13°20	12°10	5°38	14°13	26°24	18° 1	18°57	13°57	7°10		
S 14	9 54 13	0♃19'38	24°53	5°26	12°47	8°20	13°12	12° 6	5°41	14°15	26°24	17°57	18°53	14° 3	7°10		
S 15	9 58 9	1°19'40	9♁8	5°51	13°55	8°55	13° 5	12° 1	5°44	14°16	26°24	17°56	18°50	14°10	7°11		
M16	10 2 6	2°19'40	23°19	6°21	15° 4	9°31	12°57	11°57	5°47	14°18	26°24	17°D55	18°47	14°17	7°12		
T 17	10 6 2	3°19'38	7♌22	6°56	16°13	10° 6	12°50	11°52	5°50	14°20	26°25	17°R56	18°44	14°23	7°12		
W18	10 9 59	4°19'34	21°19	7°35	17°21	10°42	12°42	11°47	5°53	14°21	26°25	17°54	18°41	14°30	7°13		
T 19	10 13 55	5°19'27	5♁7	8°18	18°29	11°17	12°34	11°43	5°56	14°23	26°25	17°51	18°37	14°37	7°14		
F 20	10 17 52	6°19'18	18°48	9° 4	19°37	11°53	12°27	11°38	5°59	14°25	26°25	17°45	18°34	14°43	7°15		
S 21	10 21 49	7°19'07	2♁19	9°54	20°44	12°28	12°19	11°33	6° 3	14°26	26°25	17°37	18°31	14°50	7°16		
S 22	10 25 45	8°18'54	15°40	10°47	21°52	13° 3	12°11	11°29	6° 6	14°28	26°25	17°26	18°28	14°57	7°17		
M23	10 29 42	9°18'38	28°48	11°44	22°59	13°38	12° 3	11°24	6° 9	14°29	26°R25	17°14	18°25	15° 3	7°18		
T 24	10 33 38	10°18'21	11♍42	12°43	24° 6	14°13	11°56	11°19	6°12	14°31	26°25	17° 2	18°22	15°10	7°20		
W25	10 37 35	11°18'01	24°21	13°44	25°13	14°48	11°48	11°14	6°15	14°32	26°25	16°51	18°18	15°16	7°21		
T 26	10 41 31	12°17'39	6♁46	14°49	26°20	15°23	11°40	11°10	6°18	14°34	26°25	16°43	18°15	15°23	7°22		
F 27	10 45 28	13°17'16	18°57	15°55	27°26	15°58	11°32	11° 5	6°22	14°35	26°25	16°36	18°12	15°30	7°24		
S 28	10 49 24	14°16'50	0♌57	17° 4	28°33	16°33	11°25	11° 0	6°25	14°36	26°25	16°33	18° 9	15°36	7°25		
S 29	10 53 21	15°16'23	12♌48	18°15	29♃38	17♃8	11♍17	10♎55	6♏28	14♁38	26♌24	16°D31	18♌ 6	15♌43	7♌27		

Delta T = 25m37s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1008

MARCH 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	10 57 17	16 <del>X</del> 15'53	24 <del>M</del> 36	19 <del>≈</del> 28	0 <del>8</del> 44	17 <del>≈</del> 42	11°R 9	10°R51	6 <del>V</del> 31	14 <del>3</del> 39	26°R24	16 <del>M</del> 32	18 <del>M</del> 3	15 <del>M</del> 50	7 <del>II</del> 29
T 2	11 1 14	17°15'22	6 <del>X</del> 24	20°43	1°50	18°17	11 <del>η</del> 1	10 <del>η</del> 46	6°35	14°40	26 <del>M</del> 24	16°32	17°59	15°56	7°31
W 3	11 5 11	18°14'50	18°19	22° 0	2°55	18°51	10°54	10°41	6°38	14°42	26°24	16°R33	17°56	16° 3	7°32
T 4	11 9 7	19°14'15	0 <del>3</del> 26	23°19	4° 0	19°26	10°46	10°37	6°41	14°43	26°23	16°32	17°53	16°10	7°34
F 5	11 13 4	20°13'39	12°50	24°39	5° 5	20° 0	10°38	10°32	6°45	14°44	26°23	16°29	17°50	16°16	7°36
S 6	11 17 0	21°13'00	25°35	26° 2	6° 9	20°34	10°31	10°28	6°48	14°45	26°23	16°25	17°47	16°23	7°38
S 7	11 20 57	22°12'20	8 <del>≈</del> 44	27°25	7°13	21° 8	10°23	10°23	6°51	14°46	26°22	16°18	17°43	16°30	7°41
M 8	11 24 53	23°11'38	22°19	28°51	8°17	21°42	10°16	10°18	6°55	14°48	26°22	16°10	17°40	16°36	7°43
T 9	11 28 50	24°10'54	6 <del>X</del> 19	0 <del>X</del> 18	9°21	22°16	10° 8	10°14	6°58	14°49	26°21	16° 1	17°37	16°43	7°45
W10	11 32 46	25°10'08	20°39	1°46	10°24	22°50	10° 1	10° 9	7° 1	14°50	26°21	15°53	17°34	16°49	7°47
T11	11 36 43	26° 9'20	5 <del>V</del> 15	3°17	11°27	23°24	9°54	10° 5	7° 5	14°51	26°20	15°46	17°31	16°56	7°50
F12	11 40 40	27° 8'29	19°59	4°48	12°30	23°57	9°47	10° 0	7° 8	14°52	26°19	15°41	17°28	17° 3	7°52
S13	11 44 36	28° 7'37	4 <del>8</del> 44	6°21	13°32	24°31	9°39	9°56	7°11	14°53	26°19	15°39	17°24	17° 9	7°55
S14	11 48 33	29° 6'42	19°22	7°56	14°35	25° 4	9°32	9°52	7°15	14°54	26°18	15°D38	17°21	17°16	7°58
M15	11 52 29	0 <del>V</del> 5'45	3 <del>II</del> 50	9°32	15°36	25°37	9°25	9°47	7°18	14°54	26°18	15°39	17°18	17°23	8° 0
T16	11 56 26	1° 4'46	18° 3	11°10	16°38	26°10	9°19	9°43	7°22	14°55	26°17	15°40	17°15	17°29	8° 3
W17	12 0 22	2° 3'44	2 <del>8</del> 2	12°49	17°39	26°43	9°12	9°39	7°25	14°56	26°16	15°R41	17°12	17°36	8° 6
T18	12 4 19	3° 2'40	15°44	14°29	18°39	27°16	9° 5	9°35	7°29	14°57	26°15	15°40	17° 9	17°43	8° 9
F19	12 8 15	4° 1'33	29°11	16°11	19°39	27°49	8°59	9°31	7°32	14°58	26°15	15°37	17° 5	17°49	8°12
S20	12 12 12	5° 0'24	12 <del>Ω</del> 24	17°55	20°39	28°21	8°52	9°27	7°35	14°59	26°14	15°33	17° 2	17°56	8°15
S21	12 16 9	5°59'13	25°24	19°40	21°38	28°54	8°46	9°23	7°39	14°59	26°13	15°27	16°59	18° 3	8°18
M22	12 20 5	6°58'00	8 <del>η</del> 10	21°26	22°37	29°26	8°40	9°19	7°42	15° 0	26°12	15°20	16°56	18° 9	8°21
T23	12 24 2	7°56'44	20°44	23°14	23°36	29°58	8°34	9°15	7°46	15° 1	26°11	15°14	16°53	18°16	8°24
W24	12 27 58	8°55'26	3 <del>Ω</del> 6	25° 4	24°34	0 <del>3</del> 30	8°28	9°11	7°49	15° 1	26°10	15° 8	16°49	18°22	8°27
T25	12 31 55	9°54'06	15°17	26°55	25°31	1° 2	8°22	9° 7	7°53	15° 2	26° 9	15° 3	16°46	18°29	8°31
F26	12 35 51	10°52'45	27°19	28°48	26°28	1°34	8°17	9° 4	7°56	15° 2	26° 8	15° 0	16°43	18°36	8°34
S27	12 39 48	11°51'21	9 <del>M</del> 13	0 <del>V</del> 42	27°25	2° 6	8°11	9° 0	8° 0	15° 3	26° 7	14°D58	16°40	18°42	8°38
S28	12 43 44	12°49'55	21° 2	2°38	28°21	2°37	8° 6	8°57	8° 3	15° 3	26° 6	14°58	16°37	18°49	8°41
M29	12 47 41	13°48'28	2 <del>7</del> 50	4°35	29°16	3° 8	8° 1	8°53	8° 6	15° 4	26° 5	14°59	16°34	18°56	8°45
T30	12 51 37	14°46'59	14°39	6°34	0 <del>II</del> 11	3°39	7°55	8°50	8°10	15° 4	26° 4	15° 1	16°30	19° 2	8°48
W31	12 55 34	15 <del>V</del> 45'28	26 <del>7</del> 34	8 <del>V</del> 34	1 <del>II</del> 6	4 <del>3</del> 10	7 <del>η</del> 51	8 <del>η</del> 47	8 <del>V</del> 13	15 <del>3</del> 5	26 <del>M</del> 3	15 <del>M</del> 3	16 <del>M</del> 27	19 <del>M</del> 9	8 <del>II</del> 52

Delta T = 25m37s Julian Calendar 1 March 1008 == Greg. Calendar 7 March 1008

APRIL 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	12 59 31	16 <del>V</del> 43'56	8 <del>3</del> 40	10 <del>V</del> 36	1 <del>II</del> 59	4 <del>3</del> 41	7°R46	8°R43	8°V17	15 <del>3</del> 5	26°R 2	15 <del>M</del> 4	16 <del>M</del> 24	19 <del>M</del> 16	8 <del>II</del> 55
F 2	13 3 27	17°42'22	21° 2	12°39	2°52	5°12	7 <del>η</del> 41	8 <del>η</del> 40	8°20	15° 5	26 <del>M</del> 0	15°R 4	16°21	19°22	8°59
S 3	13 7 24	18°40'46	3 <del>≈</del> 44	14°44	3°45	5°42	7°37	8°37	8°23	15° 6	25°59	15° 3	16°18	19°29	9° 3
S 4	13 11 20	19°39'09	16°51	16°49	4°37	6°12	7°32	8°34	8°27	15° 6	25°58	15° 1	16°14	19°36	9° 7
M 5	13 15 17	20°37'29	0 <del>X</del> 24	18°56	5°28	6°42	7°28	8°31	8°30	15° 6	25°57	14°58	16°11	19°42	9°11
T 6	13 19 13	21°35'49	14°24	21° 3	6°18	7°12	7°24	8°28	8°34	15° 6	25°56	14°55	16° 8	19°49	9°15
W 7	13 23 10	22°34'06	28°49	23°12	7° 8	7°42	7°21	8°26	8°37	15° 6	25°54	14°52	16° 5	19°55	9°19
T 8	13 27 6	23°32'22	13 <del>V</del> 35	25°21	7°57	8°11	7°17	8°23	8°40	15° 7	25°53	14°49	16° 2	20° 2	9°23
F 9	13 31 3	24°30'36	28°34	27°30	8°45	8°41	7°13	8°20	8°44	15° 7	25°52	14°48	15°59	20° 9	9°27
S10	13 35 0	25°28'49	13 <del>8</del> 39	29°39	9°32	9° 9	7°10	8°18	8°47	15° 7	25°50	14°D47	15°55	20°15	9°31
S11	13 38 56	26°26'59	28°39	1 <del>8</del> 48	10°19	9°38	7° 7	8°16	8°50	15°R 7	25°49	14°47	15°52	20°22	9°35
M12	13 42 53	27°25'08	13 <del>II</del> 27	3°56	11° 4	10° 7	7° 4	8°13	8°54	15° 7	25°48	14°48	15°49	20°29	9°39
T13	13 46 49	28°23'15	27°58	6° 4	11°49	10°35	7° 1	8°11	8°57	15° 7	25°46	14°50	15°46	20°35	9°44
W14	13 50 46	29°21'20	12 <del>8</del> 8	8°11	12°33	11° 3	6°59	8° 9	9° 0	15° 7	25°45	14°51	15°43	20°42	9°48
T15	13 54 42	0 <del>8</del> 19'22	25°56	10°16	13°16	11°31	6°56	8° 7	9° 4	15° 6	25°43	14°R51	15°40	20°49	9°52
F16	13 58 39	1°17'23	9 <del>Ω</del> 21	12°19	13°57	11°58	6°54	8° 5	9° 7	15° 6	25°42	14°51	15°36	20°55	9°57
S17	14 2 35	2°15'22	22°26	14°21	14°38	12°25	6°52	8° 3	9°10	15° 6	25°41	14°50	15°33	21° 2	10° 1
S18	14 6 32	3°13'18	5 <del>η</del> 13	16°20	15°17	12°52	6°50	8° 2	9°13	15° 6	25°39	14°49	15°30	21° 9	10° 6
M19	14 10 29	4°11'13	17°44	18°17	15°56	13°19	6°49	8° 0	9°16	15° 6	25°38	14°48	15°27	21°15	10°10
T20	14 14 25	5° 9'06	0 <del>Ω</del> 2	20°12	16°33	13°45	6°47	7°58	9°20	15° 5	25°36	14°46	15°24	21°22	10°15
W21	14 18 22	6° 6'58	12°10	22° 3	17° 9	14°12	6°46	7°57	9°23	15° 5	25°35	14°45	15°20	21°29	10°19
T22	14 22 18	7° 4'48	24° 9	23°52	17°43	14°37	6°45	7°56	9°26	15° 5	25°33	14°44	15°17	21°35	10°24
F23	14 26 15	8° 2'36	6 <del>M</del> 3	25°37	18°16	15° 3	6°44	7°54	9°29	15° 4	25°32	14°44	15°14	21°42	10°29
S24	14 30 11	9° 0'22	17°52	27°20	18°48	15°28	6°43	7°53	9°32	15° 4	25°30	14°D44	15°11	21°48	10°33
S25	14 34 8	9°58'08	29°40	28°59	19°18	15°53	6°42	7°52	9°35	15° 4	25°28	14°44	15° 8	21°55	10°38
M26	14 38 4	10°55'52	11 <del>7</del> 29	0 <del>II</del> 34	19°47	16°18	6°42	7°51	9°38	15° 3	25°27	14°44	15° 5	22° 2	10°43
T27	14 42 1	11°53'34	23°21	2° 7	20°15	16°42	6°42	7°51	9°41	15° 3	25°25	14°45	15° 1	22° 8	10°48
W28	14 45 58	12°51'16	5 <del>3</del> 19	3°36	20°40	17° 6	6°D42	7°50	9°44	15° 2	25°24	14°45	14°58	22°15	10°53
T29	14 49 54	13°48'56	17°28	5° 1	21° 4	17°29	6°42	7°49	9°47	15° 2	25°22	14°45	14°55	22°22	10°57
F30	14 53 51	14 <del>8</del> 46'35	29 <del>3</del> 51	6 <del>II</del> 23	21 <del>II</del> 26	17 <del>3</del> 53	6 <del>η</del> 42	7 <del>η</del> 49	9°V50	15 <del>3</del> 1	25 <del>M</del> 21	14°R45	14 <del>M</del> 52	22 <del>M</del> 28	11 <del>II</del> 2

Delta T = 25m37s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1008

MAY 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	14 57 47	15♁44'13	12♁32	7♁41	21♁47	18♁16	6♁43	7°R48	9°V53	15°R 1	25°R19	14♁45	14♁49	22♁35	11♁ 7								
S 2	15 1 44	16°41'50	25°33	8°56	22° 6	18°38	6°43	7♁48	9°56	15♁ 0	25♁17	14°45	14°45	22°42	11°12								
M 3	15 5 40	17°39'26	8♁59	10° 7	22°22	19° 0	6°44	7°48	9°59	14°59	25°16	14°45	14°42	22°48	11°17								
T 4	15 9 37	18°37'01	22°52	11°14	22°37	19°22	6°45	7°48	10° 2	14°59	25°14	14°46	14°39	22°55	11°22								
W 5	15 13 33	19°34'35	7°V10	12°18	22°50	19°43	6°46	7°D48	10° 5	14°58	25°13	14°46	14°36	23° 2	11°27								
T 6	15 17 30	20°32'08	21°51	13°18	23° 1	20° 4	6°48	7°48	10° 8	14°57	25°11	14°46	14°33	23° 8	11°32								
F 7	15 21 26	21°29'40	6♁50	14°13	23° 9	20°24	6°49	7°48	10°10	14°56	25° 9	14°47	14°30	23°15	11°37								
S 8	15 25 23	22°27'11	22° 0	15° 5	23°15	20°44	6°51	7°48	10°13	14°55	25° 8	14°R47	14°26	23°21	11°42								
S 9	15 29 20	23°24'41	7♁11	15°53	23°20	21° 3	6°53	7°49	10°16	14°55	25° 6	14°46	14°23	23°28	11°47								
M10	15 33 16	24°22'10	22°14	16°36	23°R21	21°22	6°55	7°49	10°19	14°54	25° 4	14°46	14°20	23°35	11°53								
T 11	15 37 13	25°19'38	7♁ 0	17°15	23°21	21°41	6°57	7°50	10°21	14°53	25° 3	14°44	14°17	23°41	11°58								
W12	15 41 9	26°17'05	21°23	17°50	23°18	21°59	7° 0	7°50	10°24	14°52	25° 1	14°43	14°14	23°48	12° 3								
T 13	15 45 6	27°14'30	5♁21	18°21	23°13	22°16	7° 2	7°51	10°27	14°51	25° 0	14°42	14°11	23°55	12° 8								
F 14	15 49 2	28°11'54	18°52	18°47	23° 5	22°33	7° 5	7°52	10°29	14°50	24°58	14°41	14° 7	24° 1	12°13								
S 15	15 52 59	29° 9'16	1♁57	19° 8	22°55	22°50	7° 8	7°53	10°32	14°49	24°56	14°D41	14° 4	24° 8	12°18								
S 16	15 56 56	0♁ 6'38	14°41	19°25	22°43	23° 6	7°11	7°54	10°34	14°48	24°55	14°42	14° 1	24°15	12°24								
M17	16 0 52	1° 3'58	27° 5	19°37	22°28	23°21	7°15	7°55	10°37	14°47	24°53	14°43	13°58	24°21	12°29								
T 18	16 4 49	2° 1'17	9♁15	19°45	22°10	23°36	7°18	7°57	10°39	14°46	24°51	14°44	13°55	24°28	12°34								
W19	16 8 45	2°58'35	21°13	19°R48	21°51	23°50	7°22	7°58	10°41	14°45	24°50	14°45	13°51	24°35	12°39								
T 20	16 12 42	3°55'53	3♁ 5	19°47	21°29	24° 4	7°25	8° 0	10°44	14°44	24°48	14°47	13°48	24°41	12°45								
F 21	16 16 38	4°53'09	14°54	19°41	21° 5	24°17	7°29	8° 1	10°46	14°43	24°47	14°R47	13°45	24°48	12°50								
S 22	16 20 35	5°50'25	26°41	19°31	20°39	24°30	7°34	8° 3	10°48	14°41	24°45	14°46	13°42	24°55	12°55								
S 23	16 24 31	6°47'40	8♁30	19°17	20°11	24°42	7°38	8° 5	10°51	14°40	24°43	14°45	13°39	25° 1	13° 1								
M24	16 28 28	7°44'54	20°24	18°59	19°41	24°53	7°42	8° 7	10°53	14°39	24°42	14°42	13°36	25° 8	13° 6								
T 25	16 32 25	8°42'08	2♁23	18°37	19° 9	25° 4	7°47	8° 9	10°55	14°38	24°40	14°39	13°32	25°14	13°11								
W26	16 36 21	9°39'21	14°30	18°12	18°36	25°14	7°52	8°11	10°57	14°37	24°39	14°35	13°29	25°21	13°16								
T 27	16 40 18	10°36'34	26°47	17°44	18° 2	25°23	7°56	8°13	10°59	14°35	24°37	14°31	13°26	25°28	13°22								
F 28	16 44 14	11°33'46	9♁16	17°14	17°26	25°32	8° 2	8°15	11° 2	14°34	24°36	14°27	13°23	25°34	13°27								
S 29	16 48 11	12°30'58	22° 0	16°42	16°50	25°40	8° 7	8°18	11° 4	14°33	24°34	14°24	13°20	25°41	13°32								
S 30	16 52 7	13°28'10	5♁ 2	16° 8	16°13	25°47	8°12	8°20	11° 6	14°32	24°33	14°23	13°17	25°48	13°38								
M31	16 56 4	14♁25'22	18♁23	15♁34	15♁35	25♁54	8♁18	8♁23	11°V 8	14♁30	24♁31	14°D23	13♁13	25♁54	13♁43								

Delta T = 25m36s Julian Calendar 1 May 1008 == Greg. Calendar 7 May 1008

JUNE 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	17 0 0	15♁22'34	2°V 6	14°R59	14°R58	26♁ 0	8♁23	8♁25	11°V 9	14°R29	24°R29	14♁24	13♁10	26♁ 1	13♁49								
W 2	17 3 57	16°19'45	16°11	14♁25	14♁20	26° 5	8°29	8°28	11°11	14♁27	24♁28	14°25	13° 7	26° 8	13°54								
T 3	17 7 54	17°16'57	0♁39	13°52	13°43	26°10	8°35	8°31	11°13	14°26	24°27	14°26	13° 4	26°14	13°59								
F 4	17 11 50	18°14'09	15°25	13°20	13° 6	26°13	8°41	8°34	11°15	14°25	24°25	14°R27	13° 1	26°21	14° 5								
S 5	17 15 47	19°11'20	0♁25	12°50	12°31	26°16	8°47	8°37	11°17	14°23	24°24	14°26	12°57	26°28	14°10								
S 6	17 19 43	20° 8'32	15°32	12°23	11°56	26°19	8°54	8°40	11°18	14°22	24°22	14°23	12°54	26°34	14°15								
M 7	17 23 40	21° 5'43	0♁35	11°59	11°22	26°20	9° 0	8°43	11°20	14°20	24°21	14°19	12°51	26°41	14°21								
T 8	17 27 36	22° 2'54	15°26	11°38	10°50	26°R21	9° 7	8°47	11°22	14°19	24°19	14°14	12°48	26°48	14°26								
W 9	17 31 33	23° 0'05	29°56	11°21	10°19	26°21	9°13	8°50	11°23	14°17	24°18	14° 8	12°45	26°54	14°31								
T 10	17 35 29	23°57'15	14♁ 1	11° 9	9°50	26°20	9°20	8°54	11°25	14°16	24°17	14° 3	12°42	27° 1	14°37								
F 11	17 39 26	24°54'26	27°39	11° 0	9°23	26°18	9°27	8°57	11°26	14°14	24°15	13°59	12°38	27° 8	14°42								
S 12	17 43 23	25°51'35	10♁48	10°D57	8°58	26°16	9°35	9° 1	11°28	14°13	24°14	13°56	12°35	27°14	14°47								
S 13	17 47 19	26°48'45	23°33	10°58	8°34	26°13	9°42	9° 4	11°29	14°11	24°13	13°D55	12°32	27°21	14°52								
M14	17 51 16	27°45'54	5♁56	11° 4	8°13	26° 9	9°49	9° 8	11°31	14°10	24°11	13°55	12°29	27°27	14°58								
T 15	17 55 12	28°43'03	18° 3	11°15	7°55	26° 4	9°57	9°12	11°32	14° 8	24°10	13°56	12°26	27°34	15° 3								
W16	17 59 9	29°40'12	29°59	11°31	7°38	25°59	10° 4	9°16	11°33	14° 7	24° 9	13°58	12°23	27°41	15° 8								
T 17	18 3 5	0♁37'21	11♁48	11°52	7°24	25°53	10°12	9°20	11°34	14° 5	24° 8	13°R58	12°19	27°47	15°13								
F 18	18 7 2	1°34'30	23°35	12°19	7°13	25°46	10°20	9°24	11°36	14° 4	24° 6	13°58	12°16	27°54	15°19								
S 19	18 10 58	2°31'39	5♁24	12°50	7° 3	25°39	10°28	9°29	11°37	14° 2	24° 5	13°56	12°13	28° 1	15°24								
S 20	18 14 55	3°28'48	27°18	13°27	6°56	25°31	10°36	9°33	11°38	14° 0	24° 4	13°51	12°10	28° 7	15°29								
M21	18 18 52	4°25'57	19°18	14° 9	6°52	25°22	10°45	9°37	11°39	13°59	24° 3	13°44	12° 7	28°14	15°34								
T 22	18 22 48	5°23'07	11♁28	14°55	6°D50	25°12	10°53	9°42	11°40	13°57	24° 2	13°36	12° 3	28°21	15°39								
W23	18 26 45	6°20'17	23°49	15°47	6°50	25° 2	11° 1	9°46	11°41	13°56	24° 1	13°27	12° 0	28°27	15°44								
T 24	18 30 41	7°17'27	6♁20	16°43	6°53	24°52	11°10	9°51	11°42	13°54	24° 0	13°17	11°57	28°34	15°50								
F 25	18 34 38	8°14'38	19° 3	17°45	6°57	24°40	11°19	9°56	11°42	13°52	23°59	13° 9	11°54	28°41	15°55								
S 26	18 38 34	9°11'49	1♁58	18°51	7° 4	24°28	11°27	10° 0	11°43	13°51	23°58	13° 2	11°51	28°47	16° 0								
S 27	18 42 31	10° 9'01	15° 7	20° 2	7°13	24°16	11°36	10° 5	11°44	13°49	23°57	12°57	11°48	28°54	16° 5								
M28	18 46 27	11° 6'14	28°31	21°17	7°25																		

SWISS EPHEMERIS for the year 1008

JULY 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 58 17	13°57'57"	10°19'	25°30'	8°11'	23°R21	12°13'	10°25'	11°47'	13°R43	23°R53	12°R54	11°35'	29°21'	16°25'	
F 2	19 2 14	14°55'14"	24°47'	27° 3'	8°30'	23° 6'	12°22'	10°30'	11°47'	13°R41	23°R52	12°R54	11°32'	29°27'	16°30'	
S 3	19 6 10	15°52'31"	9°11'29"	28°40'	8°51'	22°51'	12°32'	10°35'	11°48'	13°39'	23°51'	12°51'	11°29'	29°34'	16°35'	
S 4	19 10 7	16°49'49"	24°17'	0°20'	9°13'	22°36'	12°42'	10°41'	11°48'	13°38'	23°50'	12°46'	11°25'	29°41'	16°40'	
M 5	19 14 3	17°47'08"	9°26' 6"	2° 5'	9°38'	22°20'	12°51'	10°46'	11°48'	13°36'	23°49'	12°39'	11°22'	29°47'	16°44'	
T 6	19 18 0	18°44'28"	23°47'	3°53'	10° 4'	22° 4'	13° 1'	10°52'	11°49'	13°35'	23°49'	12°30'	11°19'	29°54'	16°49'	
W 7	19 21 56	19°41'49"	8°12'12"	5°43'	10°31'	21°48'	13°11'	10°57'	11°49'	13°33'	23°48'	12°20'	11°16'	0° 0'	16°54'	
T 8	19 25 53	20°39'10"	22°16'	7°37'	11° 0'	21°32'	13°21'	11° 3'	11°49'	13°31'	23°47'	12°10'	11°13'	0° 7'	16°59'	
F 9	19 29 50	21°36'32"	5°17'54"	9°34'	11°31'	21°16'	13°31'	11° 8'	11°49'	13°30'	23°47'	12° 1'	11° 9'	0°14'	17° 3'	
S 10	19 33 46	22°33'54"	19° 5'	11°32'	12° 2'	20°59'	13°41'	11°14'	11°49'	13°28'	23°46'	11°55'	11° 6'	0°20'	17° 8'	
S 11	19 37 43	23°31'18"	1° 51'	13°33'	12°36'	20°43'	13°51'	11°20'	11°49'	13°27'	23°45'	11°50'	11° 3'	0°27'	17°13'	
M12	19 41 39	24°28'41"	14°16'	15°34'	13°10'	20°27'	14° 2'	11°25'	11°R49	13°25'	23°45'	11°48'	11° 0'	0°34'	17°17'	
T 13	19 45 36	25°26'06"	26°23'	17°38'	13°46'	20°11'	14°12'	11°31'	11°49'	13°23'	23°44'	11°D48	10°57'	0°40'	17°22'	
W14	19 49 32	26°23'31"	8°11'19"	19°42'	14°23'	19°55'	14°23'	11°37'	11°49'	13°22'	23°44'	11°R48	10°54'	0°47'	17°27'	
T 15	19 53 29	27°20'57"	20° 8'	21°46'	15° 1'	19°40'	14°33'	11°43'	11°49'	13°20'	23°43'	11°48'	10°50'	0°54'	17°31'	
F 16	19 57 25	28°18'24"	1° 56'	23°51'	15°40'	19°24'	14°44'	11°49'	11°49'	13°19'	23°43'	11°46'	10°47'	1° 0'	17°36'	
S 17	20 1 22	29°15'52"	13°48'	25°55'	16°21'	19° 9'	14°55'	11°55'	11°49'	13°17'	23°42'	11°43'	10°44'	1° 7'	17°40'	
S 18	20 5 19	0°13'21"	25°47'	28° 0'	17° 2'	18°55'	15° 5'	12° 1'	11°49'	13°16'	23°42'	11°36'	10°41'	1°14'	17°44'	
M19	20 9 15	1°10'50"	7°35'57"	0° 4'	17°44'	18°40'	15°16'	12° 7'	11°48'	13°14'	23°42'	11°27'	10°38'	1°20'	17°49'	
T 20	20 13 12	2° 8'21"	20°19'	2° 7'	18°28'	18°26'	15°27'	12°14'	11°48'	13°13'	23°41'	11°16'	10°35'	1°27'	17°53'	
W21	20 17 8	3° 5'53"	2° 55'	4° 9'	19°12'	18°13'	15°38'	12°20'	11°47'	13°11'	23°41'	11° 3'	10°31'	1°34'	17°57'	
T 22	20 21 5	4° 3'26"	15°45'	6°10'	19°57'	18° 0'	15°49'	12°26'	11°47'	13°10'	23°41'	10°50'	10°28'	1°40'	18° 2'	
F 23	20 25 1	5° 1'00"	28°48'	8°10'	20°43'	17°48'	16° 1'	12°33'	11°46'	13° 8'	23°40'	10°39'	10°25'	1°47'	18° 6'	
S 24	20 28 58	5°58'36"	12° 3'	10° 9'	21°30'	17°36'	16°12'	12°39'	11°46'	13° 7'	23°40'	10°29'	10°22'	1°54'	18°10'	
S 25	20 32 54	6°56'13"	25°28'	12° 7'	22°18'	17°24'	16°23'	12°45'	11°45'	13° 5'	23°40'	10°21'	10°19'	2° 0'	18°14'	
M26	20 36 51	7°53'52"	9° 4'	14° 4'	23° 6'	17°14'	16°34'	12°52'	11°45'	13° 4'	23°40'	10°17'	10°15'	2° 7'	18°18'	
T 27	20 40 48	8°51'32"	22°50'	15°59'	23°55'	17° 4'	16°46'	12°58'	11°44'	13° 2'	23°40'	10°15'	10°12'	2°14'	18°22'	
W28	20 44 44	9°49'14"	6° 45'	17°52'	24°45'	16°54'	16°57'	13° 5'	11°43'	13° 1'	23°40'	10°15'	10° 9'	2°20'	18°26'	
T 29	20 48 41	10°46'58"	20°49'	19°45'	25°36'	16°45'	17° 9'	13°12'	11°42'	12°59'	23°40'	10°15'	10° 6'	2°27'	18°30'	
F 30	20 52 37	11°44'43"	5°11' 3"	21°36'	26°27'	16°37'	17°20'	13°18'	11°42'	12°58'	23°D40	10°13'	10° 3'	2°34'	18°34'	
S 31	20 56 34	12°42'31"	19°11'24"	23°12'25"	27°11'19"	16°30'	17°32'	13°25'	11°41'	12°57'	23°M40	10°M10	10°M 0	2°40'	18°37'	

Delta T = 25m35s Julian Calendar 1 July 1008 == Greg. Calendar 7 July 1008

AUGUST 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	21 0 30	13°40'20"	3°29'49"	25°13'	28°11'	16°R24	17°44'	13°32'	11°R40	12°R55	23°M40	10°R 5	9°M56	2°47'	18°41'	
M 2	21 4 27	14°38'11"	18°14'	27° 0'	29° 5'	16°R18	17°56'	13°39'	11°R39	12°R54	23°40'	9°M56	9°53'	2°54'	18°45'	
T 3	21 8 23	15°36'03"	2°10'33"	28°45'	29°59'	16°13'	18° 8'	13°45'	11°38'	12°53'	23°40'	9°45'	9°50'	3° 0'	18°49'	
W 4	21 12 20	16°33'57"	16°41'	0°17'29"	0°55'53"	16° 9'	18°19'	13°52'	11°37'	12°51'	23°40'	9°33'	9°47'	3° 7'	18°52'	
T 5	21 16 17	17°31'52"	0°17'31"	2°12'	1°48'	16° 5'	18°31'	13°59'	11°36'	12°50'	23°40'	9°22'	9°44'	3°13'	18°56'	
F 6	21 20 13	18°29'49"	14° 0'	3°53'	2°44'	16° 3'	18°43'	14° 6'	11°34'	12°49'	23°41'	9°11'	9°40'	3°20'	18°59'	
S 7	21 24 10	19°27'48"	27° 6'	5°33'	3°40'	16° 1'	18°55'	14°13'	11°33'	12°48'	23°41'	9° 3'	9°37'	3°27'	19° 3'	
S 8	21 28 6	20°25'48"	9° 50'	7°12'	4°36'	16° 0'	19° 7'	14°20'	11°32'	12°46'	23°41'	8°58'	9°34'	3°33'	19° 6'	
M 9	21 32 3	21°23'49"	22°14'	8°50'	5°33'	16°D 0	19°20'	14°27'	11°31'	12°45'	23°41'	8°55'	9°31'	3°40'	19° 9'	
T 10	21 35 59	22°21'52"	4°11'22"	10°26'	6°31'	16° 0'	19°32'	14°34'	11°29'	12°44'	23°42'	8°D54	9°28'	3°47'	19°12'	
W11	21 39 56	23°19'56"	16°18'	12° 1'	7°28'	16° 2'	19°44'	14°41'	11°28'	12°43'	23°42'	8°54'	9°25'	3°53'	19°16'	
T 12	21 43 52	24°18'02"	28° 8'	13°34'	8°27'	16° 4'	19°56'	14°48'	11°27'	12°42'	23°43'	8°R54	9°21'	4° 0'	19°19'	
F 13	21 47 49	25°16'09"	9° 57'	15° 7'	9°25'	16° 7'	20° 9'	14°55'	11°25'	12°41'	23°43'	8°53'	9°18'	4° 7'	19°22'	
S 14	21 51 46	26°14'18"	21°51'	16°38'	10°25'	16°11'	20°21'	15° 2'	11°24'	12°40'	23°44'	8°50'	9°15'	4°13'	19°25'	
S 15	21 55 42	27°12'28"	3°35'54"	18° 8'	11°24'	16°16'	20°33'	15° 9'	11°22'	12°39'	23°44'	8°45'	9°12'	4°20'	19°28'	
M16	21 59 39	28°10'40"	16°10'	19°36'	12°24'	16°22'	20°46'	15°17'	11°21'	12°38'	23°45'	8°37'	9° 9'	4°27'	19°31'	
T 17	22 3 35	29° 8'54"	28°43'	21° 3'	13°24'	16°28'	20°58'	15°24'	11°19'	12°37'	23°45'	8°27'	9° 6'	4°33'	19°33'	
W18	22 7 32	0°17'09"	11° 33'	22°29'	14°25'	16°35'	21°11'	15°31'	11°17'	12°36'	23°46'	8°16'	9° 2'	4°40'	19°36'	
T 19	22 11 28	1° 5'26"	24°41'	23°54'	15°26'	16°43'	21°23'	15°38'	11°16'	12°35'	23°47'	8° 4'	8°59'	4°47'	19°39'	
F 20	22 15 25	2° 3'44"	8° 4'	25°17'	16°28'	16°52'	21°36'	15°46'	11°14'	12°34'	23°47'	7°54'	8°56'	4°53'	19°41'	
S 21	22 19 21	3° 2'05"	21°44'	26°39'	17°29'	17° 1'	21°49'	15°53'	11°12'	12°33'	23°48'	7°45'	8°53'	5° 0'	19°44'	
S 22	22 23 18	4° 0'27"	5° 34'	28° 0'	18°31'	17°12'	22° 1'	16° 0'	11°10'	12°32'	23°49'	7°39'	8°50'	5° 7'	19°46'	
M23	22 27 15	4°58'52"	19°31'	29°19'	19°34'	17°22'	22°14'	16° 7'	11° 9'	12°31'	23°49'	7°35'	8°46'	5°13'	19°49'	
T 24	22 31 11	5°57'19"	3° 34'	0° 37'	20°37'	17°34'	22°27'	16°15'	11° 7'	12°30'	23°50'	7°D34	8°43'	5°20'	19°51'	
W25	22 35 8	6°55'48"	17°40'	1°53'	21°40'	17°46'	22°39'	16°22'	11° 5'	12°30'	23°51'	7°34'	8°40'	5°27'	19°53'	
T 26	22 39 4	7°54'19"	11°48'	3° 7'	22°43'	17°59'	22°52'	16°29'	11° 3'	12°29'	23°52'	7°R34	8°37'	5°33'	19°56'	
F 27	22 43 1	8°52'53"	15°56'	4°20'	23°47'	18°13'	23° 5'	16°37'	11° 1'	12°28'	23°53'	7°34'	8°34'	5°40'	19°58'	
S 28	22 46 57	9°51'29"	0° 3'	5°31'	24°51'	18°27'	23°18'	16°44'	10°59'	12°27'	23°54'	7°33'	8°31'	5°47'	20° 0'	
S 29	22 50 54	10°50'07"	14° 8'	6°40'	25°55'	18°42'	23°30'	16°52'	10°57'	12°27'	23°55'	7°29'	8°27'	5°53'	20° 2'	
M30	22 54 50	11°48'47"	28° 8'	7°47'	26°59'	18°58'	23°43'	16°59'	10°55'	12°26'	23°56'	7°22'	8°24'	6° 0'	20° 4'	
T 31	22 58 47	12°47'30"	12° 1'	8° 52'	28° 4'	19°31'	23°56'	17° 6'	10°53'	12°25'	23°57'	7°M14	8°M21	6° 7'	20° 6'	

Delta T = 25m35s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1008

SEPTEMBER 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	23 2 44	13 <sup>h</sup> 46'15	25 <sup>h</sup> Ω42	9 <sup>h</sup> Ω55	29 <sup>h</sup> Ω 9	19 <sup>h</sup> Ω31	24 <sup>h</sup> ♁ 9	17 <sup>h</sup> ♁14	10 <sup>h</sup> ♁51	12 <sup>h</sup> ♁25	23 <sup>h</sup> ♁58	7 <sup>h</sup> ♁ 5	8 <sup>h</sup> ♁18	6 <sup>h</sup> ♁13	20 <sup>h</sup> ♁ 7								
T 2	23 6 40	14 <sup>h</sup> 45'01	9 <sup>h</sup> ♁10	10 <sup>h</sup> 56	0 <sup>h</sup> Ω14	19 <sup>h</sup> 49	24 <sup>h</sup> 22	17 <sup>h</sup> 21	10 <sup>h</sup> ♁49	12 <sup>h</sup> ♁24	23 <sup>h</sup> 59	6 <sup>h</sup> ♁56	8 <sup>h</sup> 15	6 <sup>h</sup> 20	20 <sup>h</sup> 9								
F 3	23 10 37	15 <sup>h</sup> 43'50	22 <sup>h</sup> 21	11 <sup>h</sup> 54	1 <sup>h</sup> 20	20 <sup>h</sup> 7	24 <sup>h</sup> 35	17 <sup>h</sup> 29	10 <sup>h</sup> 47	12 <sup>h</sup> 24	24 <sup>h</sup> 0	6 <sup>h</sup> 48	8 <sup>h</sup> 12	6 <sup>h</sup> 27	20 <sup>h</sup> 11								
S 4	23 14 33	16 <sup>h</sup> 42'41	5 <sup>h</sup> Ω14	12 <sup>h</sup> 49	2 <sup>h</sup> 26	20 <sup>h</sup> 26	24 <sup>h</sup> 48	17 <sup>h</sup> 36	10 <sup>h</sup> 44	12 <sup>h</sup> 23	24 <sup>h</sup> 1	6 <sup>h</sup> 42	8 <sup>h</sup> 8	6 <sup>h</sup> 33	20 <sup>h</sup> 12								
S 5	23 18 30	17 <sup>h</sup> 41'34	17 <sup>h</sup> 50	13 <sup>h</sup> 41	3 <sup>h</sup> 32	20 <sup>h</sup> 45	25 <sup>h</sup> 1	17 <sup>h</sup> 43	10 <sup>h</sup> 42	12 <sup>h</sup> 23	24 <sup>h</sup> 3	6 <sup>h</sup> 38	8 <sup>h</sup> 5	6 <sup>h</sup> 40	20 <sup>h</sup> 14								
M 6	23 22 26	18 <sup>h</sup> 40'29	0 <sup>h</sup> ♁ 9	14 <sup>h</sup> 30	4 <sup>h</sup> 38	21 <sup>h</sup> 5	25 <sup>h</sup> 14	17 <sup>h</sup> 51	10 <sup>h</sup> 40	12 <sup>h</sup> 22	24 <sup>h</sup> 4	6 <sup>h</sup> 36	8 <sup>h</sup> 2	6 <sup>h</sup> 47	20 <sup>h</sup> 15								
T 7	23 26 23	19 <sup>h</sup> 39'25	12 <sup>h</sup> 14	15 <sup>h</sup> 16	5 <sup>h</sup> 44	21 <sup>h</sup> 26	25 <sup>h</sup> 27	17 <sup>h</sup> 58	10 <sup>h</sup> 38	12 <sup>h</sup> 22	24 <sup>h</sup> 5	6 <sup>h</sup> D36	7 <sup>h</sup> 59	6 <sup>h</sup> 53	20 <sup>h</sup> 16								
W 8	23 30 19	20 <sup>h</sup> 38'24	24 <sup>h</sup> 9	15 <sup>h</sup> 57	6 <sup>h</sup> 51	21 <sup>h</sup> 47	25 <sup>h</sup> 40	18 <sup>h</sup> 6	10 <sup>h</sup> 36	12 <sup>h</sup> 22	24 <sup>h</sup> 6	6 <sup>h</sup> 37	7 <sup>h</sup> 56	7 <sup>h</sup> 0	20 <sup>h</sup> 18								
T 9	23 34 16	21 <sup>h</sup> 37'24	5 <sup>h</sup> ♁59	16 <sup>h</sup> 35	7 <sup>h</sup> 58	22 <sup>h</sup> 8	25 <sup>h</sup> 53	18 <sup>h</sup> 13	10 <sup>h</sup> 33	12 <sup>h</sup> 21	24 <sup>h</sup> 8	6 <sup>h</sup> 38	7 <sup>h</sup> 52	7 <sup>h</sup> 7	20 <sup>h</sup> 19								
F 10	23 38 12	22 <sup>h</sup> 36'27	17 <sup>h</sup> 48	17 <sup>h</sup> 8	9 <sup>h</sup> 5	22 <sup>h</sup> 30	26 <sup>h</sup> 6	18 <sup>h</sup> 20	10 <sup>h</sup> 31	12 <sup>h</sup> 21	24 <sup>h</sup> 9	6 <sup>h</sup> R39	7 <sup>h</sup> 49	7 <sup>h</sup> 13	20 <sup>h</sup> 20								
S 11	23 42 9	23 <sup>h</sup> 35'31	29 <sup>h</sup> 42	17 <sup>h</sup> 36	10 <sup>h</sup> 12	22 <sup>h</sup> 53	26 <sup>h</sup> 19	18 <sup>h</sup> 28	10 <sup>h</sup> 29	12 <sup>h</sup> 21	24 <sup>h</sup> 10	6 <sup>h</sup> 39	7 <sup>h</sup> 46	7 <sup>h</sup> 20	20 <sup>h</sup> 21								
S 12	23 46 6	24 <sup>h</sup> 34'37	11 <sup>h</sup> Ω46	17 <sup>h</sup> 59	11 <sup>h</sup> 20	23 <sup>h</sup> 16	26 <sup>h</sup> 32	18 <sup>h</sup> 35	10 <sup>h</sup> 26	12 <sup>h</sup> 21	24 <sup>h</sup> 12	6 <sup>h</sup> 38	7 <sup>h</sup> 43	7 <sup>h</sup> 27	20 <sup>h</sup> 22								
M13	23 50 2	25 <sup>h</sup> 33'44	24 <sup>h</sup> 4	18 <sup>h</sup> 16	12 <sup>h</sup> 27	23 <sup>h</sup> 39	26 <sup>h</sup> 45	18 <sup>h</sup> 43	10 <sup>h</sup> 24	12 <sup>h</sup> 20	24 <sup>h</sup> 13	6 <sup>h</sup> 34	7 <sup>h</sup> 40	7 <sup>h</sup> 33	20 <sup>h</sup> 23								
T 14	23 53 59	26 <sup>h</sup> 32'54	6 <sup>h</sup> Ω40	18 <sup>h</sup> 27	13 <sup>h</sup> 35	24 <sup>h</sup> 4	26 <sup>h</sup> 58	18 <sup>h</sup> 50	10 <sup>h</sup> 22	12 <sup>h</sup> 20	24 <sup>h</sup> 15	6 <sup>h</sup> 29	7 <sup>h</sup> 37	7 <sup>h</sup> 40	20 <sup>h</sup> 23								
W15	23 57 55	27 <sup>h</sup> 32'05	19 <sup>h</sup> 38	18 <sup>h</sup> R32	14 <sup>h</sup> 43	24 <sup>h</sup> 28	27 <sup>h</sup> 11	18 <sup>h</sup> 57	10 <sup>h</sup> 19	12 <sup>h</sup> 20	24 <sup>h</sup> 16	6 <sup>h</sup> 23	7 <sup>h</sup> 33	7 <sup>h</sup> 47	20 <sup>h</sup> 24								
T 16	0 1 52	28 <sup>h</sup> 31'18	2 <sup>h</sup> ♁59	18 <sup>h</sup> 29	15 <sup>h</sup> 51	24 <sup>h</sup> 53	27 <sup>h</sup> 24	19 <sup>h</sup> 5	10 <sup>h</sup> 17	12 <sup>h</sup> 20	24 <sup>h</sup> 18	6 <sup>h</sup> 16	7 <sup>h</sup> 30	7 <sup>h</sup> 53	20 <sup>h</sup> 25								
F 17	0 5 48	29 <sup>h</sup> 30'34	16 <sup>h</sup> 39	18 <sup>h</sup> 19	17 <sup>h</sup> 0	25 <sup>h</sup> 18	27 <sup>h</sup> 37	19 <sup>h</sup> 12	10 <sup>h</sup> 15	12 <sup>h</sup> 20	24 <sup>h</sup> 19	6 <sup>h</sup> 10	7 <sup>h</sup> 27	8 <sup>h</sup> 0	20 <sup>h</sup> 25								
S 18	0 9 45	0 <sup>h</sup> Ω29'51	0 <sup>h</sup> ♁39	18 <sup>h</sup> 1	18 <sup>h</sup> 8	25 <sup>h</sup> 44	27 <sup>h</sup> 50	19 <sup>h</sup> 19	10 <sup>h</sup> 12	12 <sup>h</sup> 20	24 <sup>h</sup> 21	6 <sup>h</sup> 6	7 <sup>h</sup> 24	8 <sup>h</sup> 7	20 <sup>h</sup> 26								
S 19	0 13 41	1 <sup>h</sup> 29'10	14 <sup>h</sup> 54	17 <sup>h</sup> 35	19 <sup>h</sup> 17	26 <sup>h</sup> 10	28 <sup>h</sup> 3	19 <sup>h</sup> 27	10 <sup>h</sup> 10	12 <sup>h</sup> D20	24 <sup>h</sup> 22	6 <sup>h</sup> 2	7 <sup>h</sup> 21	8 <sup>h</sup> 13	20 <sup>h</sup> 26								
M20	0 17 38	2 <sup>h</sup> 28'32	29 <sup>h</sup> 18	17 <sup>h</sup> 1	20 <sup>h</sup> 26	26 <sup>h</sup> 37	28 <sup>h</sup> 16	19 <sup>h</sup> 34	10 <sup>h</sup> 7	12 <sup>h</sup> 20	24 <sup>h</sup> 24	6 <sup>h</sup> D 1	7 <sup>h</sup> 17	8 <sup>h</sup> 20	20 <sup>h</sup> 26								
T 21	0 21 35	3 <sup>h</sup> 27'55	13 <sup>h</sup> Ω47	16 <sup>h</sup> 18	21 <sup>h</sup> 35	27 <sup>h</sup> 4	28 <sup>h</sup> 29	19 <sup>h</sup> 41	10 <sup>h</sup> 5	12 <sup>h</sup> 20	24 <sup>h</sup> 26	6 <sup>h</sup> 1	7 <sup>h</sup> 14	8 <sup>h</sup> 27	20 <sup>h</sup> 27								
W22	0 25 31	4 <sup>h</sup> 27'22	28 <sup>h</sup> 15	15 <sup>h</sup> 28	22 <sup>h</sup> 44	27 <sup>h</sup> 31	28 <sup>h</sup> 42	19 <sup>h</sup> 48	10 <sup>h</sup> 2	12 <sup>h</sup> 20	24 <sup>h</sup> 27	6 <sup>h</sup> 2	7 <sup>h</sup> 11	8 <sup>h</sup> 33	20 <sup>h</sup> 27								
T 23	0 29 28	5 <sup>h</sup> 26'50	12 <sup>h</sup> Ω38	14 <sup>h</sup> 31	23 <sup>h</sup> 54	27 <sup>h</sup> 59	28 <sup>h</sup> 55	19 <sup>h</sup> 56	10 <sup>h</sup> 0	12 <sup>h</sup> 20	24 <sup>h</sup> 29	6 <sup>h</sup> 3	7 <sup>h</sup> 8	8 <sup>h</sup> 40	20 <sup>h</sup> R27								
F 24	0 33 24	6 <sup>h</sup> 26'21	26 <sup>h</sup> 53	13 <sup>h</sup> 27	25 <sup>h</sup> 3	28 <sup>h</sup> 27	29 <sup>h</sup> 8	20 <sup>h</sup> 3	9 <sup>h</sup> 58	12 <sup>h</sup> 20	24 <sup>h</sup> 31	6 <sup>h</sup> 4	7 <sup>h</sup> 5	8 <sup>h</sup> 47	20 <sup>h</sup> 27								
S 25	0 37 21	7 <sup>h</sup> 25'54	10 <sup>h</sup> Ω58	12 <sup>h</sup> 18	26 <sup>h</sup> 13	28 <sup>h</sup> 56	29 <sup>h</sup> 21	20 <sup>h</sup> 10	9 <sup>h</sup> 55	12 <sup>h</sup> 21	24 <sup>h</sup> 32	6 <sup>h</sup> R 5	7 <sup>h</sup> 2	8 <sup>h</sup> 53	20 <sup>h</sup> 27								
S 26	0 41 17	8 <sup>h</sup> 25'30	24 <sup>h</sup> 52	11 <sup>h</sup> 6	27 <sup>h</sup> 23	29 <sup>h</sup> 24	29 <sup>h</sup> 34	20 <sup>h</sup> 17	9 <sup>h</sup> 53	12 <sup>h</sup> 21	24 <sup>h</sup> 34	6 <sup>h</sup> 4	6 <sup>h</sup> 58	9 <sup>h</sup> 0	20 <sup>h</sup> 27								
M27	0 45 14	9 <sup>h</sup> 25'08	8 <sup>h</sup> Ω34	9 <sup>h</sup> 52	28 <sup>h</sup> 33	29 <sup>h</sup> 54	29 <sup>h</sup> 47	20 <sup>h</sup> 24	9 <sup>h</sup> 50	12 <sup>h</sup> 21	24 <sup>h</sup> 36	6 <sup>h</sup> 2	6 <sup>h</sup> 55	9 <sup>h</sup> 7	20 <sup>h</sup> 26								
T 28	0 49 10	10 <sup>h</sup> 24'48	22 <sup>h</sup> 3	8 <sup>h</sup> 39	29 <sup>h</sup> 43	0 <sup>h</sup> Ω23	0 <sup>h</sup> Ω 0	20 <sup>h</sup> 32	9 <sup>h</sup> 48	12 <sup>h</sup> 21	24 <sup>h</sup> 38	5 <sup>h</sup> 58	6 <sup>h</sup> 52	9 <sup>h</sup> 13	20 <sup>h</sup> 26								
W29	0 53 7	11 <sup>h</sup> 24'31	5 <sup>h</sup> ♁19	7 <sup>h</sup> 28	0 <sup>h</sup> ♁54	0 <sup>h</sup> 53	0 <sup>h</sup> 13	20 <sup>h</sup> 39	9 <sup>h</sup> 45	12 <sup>h</sup> 22	24 <sup>h</sup> 39	5 <sup>h</sup> 54	6 <sup>h</sup> 49	9 <sup>h</sup> 20	20 <sup>h</sup> 26								
T 30	0 57 4	12 <sup>h</sup> Ω24'15	18 <sup>h</sup> ♁22	6 <sup>h</sup> Ω22	2 <sup>h</sup> ♁ 4	1 <sup>h</sup> Ω23	0 <sup>h</sup> Ω26	20 <sup>h</sup> 46	9 <sup>h</sup> ♁43	12 <sup>h</sup> Ω22	24 <sup>h</sup> ♁41	5 <sup>h</sup> ♁51	6 <sup>h</sup> ♁46	9 <sup>h</sup> ♁27	20 <sup>h</sup> Ω25								

Delta T = 25m35s Julian Calendar 1 Sept. 1008 == Greg. Calendar 7 Sept. 1008

OCTOBER 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	1 1 0	13 <sup>h</sup> Ω24'02	1 <sup>h</sup> Ω11	5 <sup>h</sup> R23	3 <sup>h</sup> ♁15	1 <sup>h</sup> Ω53	0 <sup>h</sup> Ω38	20 <sup>h</sup> ♁53	9 <sup>h</sup> R40	12 <sup>h</sup> Ω22	24 <sup>h</sup> ♁43	5 <sup>h</sup> R47	6 <sup>h</sup> ♁43	9 <sup>h</sup> ♁33	20 <sup>h</sup> R24								
S 2	1 4 57	14 <sup>h</sup> 23'51	13 <sup>h</sup> 46	4 <sup>h</sup> Ω32	4 <sup>h</sup> 26	2 <sup>h</sup> 24	0 <sup>h</sup> 51	21 <sup>h</sup> 0	9 <sup>h</sup> ♁38	12 <sup>h</sup> 23	24 <sup>h</sup> 45	5 <sup>h</sup> ♁45	6 <sup>h</sup> 39	9 <sup>h</sup> 40	20 <sup>h</sup> Ω24								
S 3	1 8 53	15 <sup>h</sup> 23'42	26 <sup>h</sup> 8	3 <sup>h</sup> 52	5 <sup>h</sup> 36	2 <sup>h</sup> 55	1 <sup>h</sup> 4	21 <sup>h</sup> 7	9 <sup>h</sup> 35	12 <sup>h</sup> 23	24 <sup>h</sup> 47	5 <sup>h</sup> 43	6 <sup>h</sup> 36	9 <sup>h</sup> 47	20 <sup>h</sup> 23								
M 4	1 12 50	16 <sup>h</sup> 23'35	8 <sup>h</sup> ♁19	3 <sup>h</sup> 21	6 <sup>h</sup> 47	3 <sup>h</sup> 27	1 <sup>h</sup> 17	21 <sup>h</sup> 14	9 <sup>h</sup> 33	12 <sup>h</sup> 24	24 <sup>h</sup> 49	5 <sup>h</sup> D43	6 <sup>h</sup> 33	9 <sup>h</sup> 53	20 <sup>h</sup> 22								
T 5	1 16 46	17 <sup>h</sup> 23'30	20 <sup>h</sup> 19	3 <sup>h</sup> 3	7 <sup>h</sup> 59	3 <sup>h</sup> 58	1 <sup>h</sup> 30	21 <sup>h</sup> 21	9 <sup>h</sup> 31	12 <sup>h</sup> 24	24 <sup>h</sup> 51	5 <sup>h</sup> 44	6 <sup>h</sup> 30	10 <sup>h</sup> 0	20 <sup>h</sup> 21								
W 6	1 20 43	18 <sup>h</sup> 23'26	2 <sup>h</sup> ♁12	2 <sup>h</sup> D55	9 <sup>h</sup> 10	4 <sup>h</sup> 30	1 <sup>h</sup> 43	21 <sup>h</sup> 28	9 <sup>h</sup> 28	12 <sup>h</sup> 25	24 <sup>h</sup> 53	5 <sup>h</sup> 45	6 <sup>h</sup> 27	10 <sup>h</sup> 7	20 <sup>h</sup> 20								
T 7	1 24 39	19 <sup>h</sup> 23'25	14 <sup>h</sup> 1	2 <sup>h</sup> 59	10 <sup>h</sup> 21	5 <sup>h</sup> 2	1 <sup>h</sup> 55	21 <sup>h</sup> 34	9 <sup>h</sup> 26	12 <sup>h</sup> 26	24 <sup>h</sup> 55	5 <sup>h</sup> 46	6 <sup>h</sup> 23	10 <sup>h</sup> 13	20 <sup>h</sup> 19								
F 8	1 28 36	20 <sup>h</sup> 23'25	25 <sup>h</sup> 49	3 <sup>h</sup> 14	11 <sup>h</sup> 33	5 <sup>h</sup> 35	2 <sup>h</sup> 8	21 <sup>h</sup> 41	9 <sup>h</sup> 23	12 <sup>h</sup> 26	24 <sup>h</sup> 57	5 <sup>h</sup> 48	6 <sup>h</sup> 20	10 <sup>h</sup> 20	20 <sup>h</sup> 18								
S 9	1 32 32	21 <sup>h</sup> 23'27	7 <sup>h</sup> Ω42	3 <sup>h</sup> 39	12 <sup>h</sup> 44	6 <sup>h</sup> 7	2 <sup>h</sup> 21	21 <sup>h</sup> 48	9 <sup>h</sup> 21	12 <sup>h</sup> 27	24 <sup>h</sup> 59	5 <sup>h</sup> 49	6 <sup>h</sup> 17	10 <sup>h</sup> 27	20 <sup>h</sup> 17								
S 10	1 36 29	22 <sup>h</sup> 23'31	19 <sup>h</sup> 44	4 <sup>h</sup> 13	13 <sup>h</sup> 56	6 <sup>h</sup> 40	2 <sup>h</sup> 33	21 <sup>h</sup> 55	9 <sup>h</sup> 19	12 <sup>h</sup> 28	25 <sup>h</sup> 1	5 <sup>h</sup> R49	6 <sup>h</sup> 14	10 <sup>h</sup> 33	20 <sup>h</sup> 16								
M11	1 40 26	23 <sup>h</sup> 23'36	1 <sup>h</sup> Ω59	4 <sup>h</sup> 57	15 <sup>h</sup> 8	7 <sup>h</sup> 14	2 <sup>h</sup> 46	22 <sup>h</sup> 1	9 <sup>h</sup> 16	12 <sup>h</sup> 28	25 <sup>h</sup> 3	5 <sup>h</sup> 49	6 <sup>h</sup> 11	10 <sup>h</sup> 40	20 <sup>h</sup> 14								
T 12	1 44 22	24 <sup>h</sup> 23'43	14 <sup>h</sup> 32	5 <sup>h</sup> 47	16 <sup>h</sup> 19	7 <sup>h</sup> 47	2 <sup>h</sup> 59	22 <sup>h</sup> 8	9 <sup>h</sup> 14	12 <sup>h</sup> 29	25 <sup>h</sup> 5	5 <sup>h</sup> 48	6 <sup>h</sup> 8	10 <sup>h</sup> 47	20 <sup>h</sup> 13								
W13	1 48 19	25 <sup>h</sup> 23'51	27 <sup>h</sup> 28	6 <sup>h</sup> 45	17 <sup>h</sup> 31	8 <sup>h</sup> 21	3 <sup>h</sup> 11	22 <sup>h</sup> 15	9 <sup>h</sup> 12	12 <sup>h</sup> 30	25 <sup>h</sup> 7	5 <sup>h</sup> 47	6 <sup>h</sup> 4	10 <sup>h</sup> 53	20 <sup>h</sup> 11								
T 14	1 52 15	26 <sup>h</sup> 24'01	10 <sup>h</sup> ♁48	7 <sup>h</sup> 49	18 <sup>h</sup> 44	8 <sup>h</sup> 54	3 <sup>h</sup> 24	22 <sup>h</sup> 21	9 <sup>h</sup> 9	12 <sup>h</sup> 31	25 <sup>h</sup> 9	5 <sup>h</sup> 46	6 <sup>h</sup> 1	11 <sup>h</sup> 0	20 <sup>h</sup> 10								
F 15	1 56 12	27 <sup>h</sup> 24'13	24 <sup>h</sup> 34	8 <sup>h</sup> 58	19 <sup>h</sup> 56	9 <sup>h</sup> 28	3 <sup>h</sup> 36	22 <sup>h</sup> 28	9 <sup>h</sup> 7	12 <sup>h</sup> 32	25 <sup>h</sup> 11	5 <sup>h</sup> 45	5 <sup>h</sup> 58	11 <sup>h</sup> 7	20 <sup>h</sup> 8								
S 16	2 0 8	28 <sup>h</sup> 24'26	8 <sup>h</sup> ♁45	10 <sup>h</sup> 12	21 <sup>h</sup> 8	10 <sup>h</sup> 3	3 <sup>h</sup> 49	22 <sup>h</sup> 34	9 <sup>h</sup> 5	12 <sup>h</sup> 32	25 <sup>h</sup> 13	5 <sup>h</sup> 44	5 <sup>h</sup> 55	11 <sup>h</sup> 13	20 <sup>h</sup> 6								
S 17	2 4 5	29 <sup>h</sup> 24'41	23 <sup>h</sup> 17	11 <sup>h</sup> 29	22 <sup>h</sup> 20	10 <sup>h</sup> 37	4 <sup>h</sup> 1	22 <sup>h</sup> 41	9 <sup>h</sup> 2	12 <sup>h</sup> 33													

SWISS EPHEMERIS for the year 1008

NOVEMBER 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	3 3 13	14♌32'12	16♍52	4♎14	10♏36	19♐34	7♑ 1	24♒11	8♓31	12♔51	25♕49	5♖R47	5♗ 4	13♘ 0	19♙R29								
T 2	3 7 10	15°32'55	28°46	5°49	11°50	20°11	7°13	24°17	8♓30	12°52	25°51	5♖R46	5° 1	13° 7	19♙R26								
W 3	3 11 6	16°33'41	10♎37	7°24	13° 3	20°48	7°24	24°22	8°28	12°54	25°54	5°45	4°58	13°13	19°24								
T 4	3 15 3	17°34'27	22°25	8°59	14°17	21°25	7°36	24°28	8°26	12°55	25°56	5°43	4°54	13°20	19°21								
F 5	3 18 59	18°35'15	4♏14	10°34	15°31	22° 3	7°47	24°33	8°24	12°57	25°58	5°41	4°51	13°27	19°18								
S 6	3 22 56	19°36'03	16° 8	12° 9	16°45	22°40	7°58	24°38	8°23	12°58	26° 1	5°39	4°48	13°33	19°14								
S 7	3 26 53	20°36'53	28° 9	13°44	17°59	23°18	8° 9	24°43	8°21	13° 0	26° 3	5°37	4°45	13°40	19°11								
M 8	3 30 49	21°37'44	10♏21	15°18	19°13	23°55	8°21	24°49	8°19	13° 1	26° 5	5°36	4°42	13°47	19° 8								
T 9	3 34 46	22°38'36	22°49	16°53	20°27	24°33	8°32	24°54	8°18	13° 3	26° 8	5°D36	4°39	13°53	19° 5								
W10	3 38 42	23°39'28	5♐37	18°28	21°41	25°11	8°43	24°59	8°16	13° 5	26°10	5°36	4°35	14° 0	19° 2								
T11	3 42 39	24°40'22	18°49	20° 2	22°55	25°49	8°53	25° 4	8°15	13° 6	26°12	5°37	4°32	14° 7	18°58								
F12	3 46 35	25°41'16	2♑27	21°36	24° 9	26°27	9° 4	25° 8	8°13	13° 8	26°15	5°39	4°29	14°13	18°55								
S13	3 50 32	26°42'11	16°33	23°11	25°23	27° 5	9°15	25°13	8°12	13°10	26°17	5°40	4°26	14°20	18°52								
S14	3 54 28	27°43'07	1♒ 6	24°45	26°37	27°44	9°26	25°18	8°11	13°11	26°20	5°R41	4°23	14°27	18°48								
M15	3 58 25	28°44'04	16° 0	26°19	27°51	28°22	9°36	25°22	8° 9	13°13	26°22	5°40	4°20	14°33	18°45								
T16	4 2 22	29°45'02	1♒10	27°54	29° 6	29° 1	9°47	25°27	8° 8	13°15	26°24	5°39	4°16	14°40	18°41								
W17	4 6 18	0♓46'01	16°25	29°28	0♌20	29°39	9°57	25°31	8° 7	13°17	26°27	5°36	4°13	14°47	18°38								
T18	4 10 15	1°47'01	1♄35	1♓ 2	1°34	0♌18	10° 7	25°36	8° 6	13°18	26°29	5°33	4°10	14°54	18°34								
F19	4 14 11	2°48'02	16°31	2°36	2°49	0°56	10°18	25°40	8° 5	13°20	26°31	5°29	4° 7	15° 0	18°31								
S20	4 18 8	3°49'04	1♌ 5	4°11	4° 3	1°35	10°28	25°44	8° 3	13°22	26°34	5°25	4° 4	15° 7	18°27								
S21	4 22 4	4°50'08	15°14	5°45	5°18	2°14	10°38	25°48	8° 2	13°24	26°36	5°22	4° 0	15°14	18°23								
M22	4 26 1	5°51'12	28°54	7°20	6°32	2°53	10°48	25°52	8° 1	13°26	26°38	5°21	3°57	15°20	18°20								
T23	4 29 57	6°52'17	12♑ 9	8°54	7°47	3°32	10°57	25°56	8° 1	13°28	26°41	5°D21	3°54	15°27	18°16								
W24	4 33 54	7°53'23	25° 0	10°29	9° 1	4°11	11° 7	26° 0	8° 0	13°30	26°43	5°22	3°51	15°34	18°12								
T25	4 37 51	8°54'30	7♒32	12° 4	10°16	4°50	11°17	26° 4	7°59	13°32	26°45	5°24	3°48	15°40	18° 9								
F26	4 41 47	9°55'38	19°48	13°39	11°31	5°29	11°26	26° 8	7°58	13°34	26°47	5°25	3°45	15°47	18° 5								
S27	4 45 44	10°56'47	1♎53	15°14	12°45	6° 8	11°36	26°11	7°57	13°36	26°50	5°R26	3°41	15°54	18° 1								
S28	4 49 40	11°57'57	13°50	16°49	14° 0	6°47	11°45	26°15	7°56	13°38	26°52	5°26	3°38	16° 0	17°57								
M29	4 53 37	12°59'07	25°42	18°24	15°15	7°26	11°54	26°18	7°56	13°40	26°54	5°24	3°35	16° 7	17°54								
T30	4 57 33	14° 0'18	7♓31	20° 0	16♌29	8♌ 6	12° 3	26♑21	7♑55	13°42	26♌57	5♌20	3♌32	16°14	17°50								

Delta T = 25m34s Julian Calendar 1 Nov. 1008 == Greg. Calendar 7 Nov. 1008

DECEMBER 1008 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	5 1 30	15♓1'29	19♓21	21♓35	17♌44	8♌45	12♍12	26♑24	7♓R55	13♔44	26♕59	5♖R14	3♗R29	16♘20	17♙R46								
T 2	5 5 26	16° 2'41	1♑11	23°11	18°59	9°25	12°21	26°28	7♓54	13°46	27° 1	5♖R 6	3°26	16°27	17♙R42								
F 3	5 9 23	17° 3'53	13° 5	24°47	20°14	10° 4	12°30	26°31	7°54	13°48	27° 3	4°58	3°22	16°34	17°38								
S 4	5 13 20	18° 5'06	25° 3	26°24	21°28	10°44	12°38	26°34	7°53	13°50	27° 6	4°49	3°19	16°40	17°34								
S 5	5 17 16	19° 6'18	7♒ 8	28° 0	22°43	11°23	12°47	26°36	7°53	13°52	27° 8	4°41	3°16	16°47	17°31								
M 6	5 21 13	20° 7'30	19°23	29°36	23°58	12° 3	12°55	26°39	7°53	13°54	27°10	4°35	3°13	16°54	17°27								
T 7	5 25 9	21° 8'43	1♌50	1♑13	25°13	12°43	13° 3	26°42	7°52	13°56	27°12	4°31	3°10	17° 0	17°23								
W 8	5 29 6	22° 9'55	14°34	2°49	26°28	13°22	13°11	26°44	7°52	13°58	27°14	4°29	3° 6	17° 7	17°19								
T 9	5 33 2	23°11'07	27°37	4°26	27°43	14° 2	13°19	26°47	7°52	14° 0	27°17	4°D29	3° 3	17°14	17°15								
F10	5 36 59	24°12'19	11♑ 3	6° 2	28°58	14°42	13°27	26°49	7°52	14° 3	27°19	4°29	3° 0	17°21	17°12								
S11	5 40 55	25°13'31	24°55	7°39	0♓13	15°22	13°35	26°51	7°D52	14° 5	27°21	4°31	2°57	17°27	17° 8								
S12	5 44 52	26°14'42	9♒14	9°15	1°27	16° 1	13°43	26°53	7°52	14° 7	27°23	4°R31	2°54	17°34	17° 4								
M13	5 48 49	27°15'54	23°58	10°51	2°42	16°41	13°50	26°55	7°52	14° 9	27°25	4°29	2°51	17°41	17° 0								
T14	5 52 45	28°17'05	9♒ 2	12°26	3°57	17°21	13°57	26°57	7°52	14°11	27°27	4°25	2°47	17°47	16°57								
W15	5 56 42	29°18'16	24°18	14° 1	5°12	18° 1	14° 4	26°59	7°52	14°14	27°29	4°19	2°44	17°54	16°53								
T16	6 0 38	0♑19'26	9♑36	15°35	6°27	18°41	14°12	27° 1	7°53	14°16	27°31	4°11	2°41	18° 1	16°49								
F17	6 4 35	1°20'37	24°45	17° 8	7°42	19°21	14°18	27° 2	7°53	14°18	27°33	4° 1	2°38	18° 7	16°45								
S18	6 8 31	2°21'47	9♌34	18°39	8°57	20° 1	14°25	27° 4	7°53	14°20	27°35	3°52	2°35	18°14	16°42								
S19	6 12 28	3°22'58	23°57	20°10	10°12	20°41	14°32	27° 5	7°54	14°23	27°37	3°45	2°32	18°21	16°38								
M20	6 16 24	4°24'08	7♑49	21°38	11°27	21°21	14°38	27° 6	7°54	14°25	27°39	3°39	2°28	18°27	16°35								
T21	6 20 21	5°25'18	21°11	23° 4	12°42	22° 1	14°44	27° 7	7°54	14°27	27°41	3°36	2°25	18°34	16°31								
W22	6 24 18	6°26'28	4♌ 6	24°27	13°57	22°41	14°51	27° 9	7°55	14°29	27°43	3°D35	2°22	18°41	16°27								
T23	6 28 14	7°27'39	16°37	25°47	15°12	23°21	14°57	27° 9	7°56	14°32	27°45	3°35	2°19	18°47	16°24								
F24	6 32 11	8°28'48	28°50	27° 3	16°27	24° 1	15° 2	27°10	7°56	14°34	27°47	3°R36	2°16	18°54	16°20								
S25	6 36 7	9°29'58	10♌50	28°14	17°42	24°41	15° 8	27°11	7°57	14°36	27°49	3°36	2°12	19° 1	16°17								
S26	6 40 4	10°31'08	22°42	29°20	18°57	25°21	15°14	27°12	7°58	14°38	27°51	3°34	2° 9	19° 7	16°14								
M27	6 44 0	11°32'17	4♓30	0♓21	20°12	26° 2	15°19	27°12	7°58	14°41	27°53	3°29	2° 6	19°14	16°10								
T28	6 47 57	12°33'25	16°18	1°14	21°27	26°42	15°24	27°13	7°59	14°43	27°54	3°22	2° 3	19°21	16° 7								
W29	6 51 53	13°34'33	28° 8	1°59	22°42	27°22	15°29	27°13	8° 0	14°45	27°56	3°11	2° 0	19°28	16° 4								
T30	6 55 50	14°35'41	10♑ 3	2°36	23°57	28° 2	15°34	27°13	8° 1	14°47	27°58	2°59	1°57	19°34	16° 1								
F31	6 59 47	15°36'48	22♑ 4	3° 4	25♓12	28♌42	15°39	27°R13	8♓ 2	14°50	28♌ 0	2♌45	1♌53	19°41	15°57								

Delta T = 25m33s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]