

SWISS EPHEMERIS for the year 1211

JANUARY 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	7 7 55	17°35'29	17°30	19°35	19°25	25°17	27°29	4°R12	14°R53	7°Y41	14°R35	25°R51	24°Z50	19°Z43	28°R 2
S 2	7 11 52	18°36'33	0°L52	21°17	20°38	25°48	27°35	4°L 7	14°M52	7°42	14°L34	25°Z49	24°47	19°50	27°E58
M 3	7 15 48	19°37'36	13°57	22°59	21°52	26°19	27°41	4° 3	14°51	7°43	14°33	25°45	24°44	19°56	27°54
T 4	7 19 45	20°38'39	26°44	24°42	23° 6	26°50	27°47	3°58	14°50	7°43	14°31	25°41	24°41	20° 3	27°49
W 5	7 23 42	21°39'41	9°M15	26°25	24°20	27°20	27°53	3°53	14°48	7°44	14°30	25°37	24°38	20°10	27°45
T 6	7 27 38	22°40'42	21°30	28° 8	25°33	27°51	27°59	3°49	14°47	7°45	14°29	25°33	24°34	20°16	27°40
F 7	7 31 35	23°41'43	3°Z33	29°52	26°47	28°21	28° 4	3°44	14°46	7°46	14°27	25°30	24°31	20°23	27°36
S 8	7 35 31	24°42'43	15°28	1°Z37	28° 0	28°51	28°10	3°39	14°45	7°47	14°26	25°28	24°28	20°30	27°32
S 9	7 39 28	25°43'42	27°19	3°22	29°14	29°21	28°15	3°34	14°43	7°48	14°24	25°D27	24°25	20°37	27°27
M10	7 43 24	26°44'41	9°M12	5° 7	0°X27	29°51	28°20	3°29	14°42	7°49	14°23	25°28	24°22	20°43	27°23
T 11	7 47 21	27°45'39	21°11	6°52	1°40	0°M20	28°25	3°25	14°40	7°50	14°22	25°30	24°18	20°50	27°18
W12	7 51 17	28°46'36	3°Z21	8°37	2°54	0°50	28°29	3°20	14°39	7°51	14°20	25°32	24°15	20°57	27°14
T 13	7 55 14	29°47'33	15°47	10°22	4° 7	1°19	28°34	3°15	14°37	7°52	14°19	25°33	24°12	21° 3	27° 9
F 14	7 59 11	0°Z48'29	28°32	12° 7	5°20	1°48	28°38	3°10	14°36	7°53	14°17	25°R33	24° 9	21°10	27° 5
S 15	8 3 7	1°49'23	11°Z37	13°52	6°33	2°17	28°43	3° 5	14°34	7°54	14°16	25°32	24° 6	21°17	27° 0
S 16	8 7 4	2°50'17	25° 4	15°36	7°46	2°46	28°47	3° 0	14°32	7°55	14°15	25°29	24° 3	21°24	26°56
M17	8 11 0	3°51'09	8°Z52	17°19	8°59	3°14	28°50	2°55	14°31	7°56	14°13	25°24	23°59	21°30	26°52
T 18	8 14 57	4°52'00	22°55	19° 1	10°12	3°43	28°54	2°50	14°29	7°58	14°12	25°18	23°56	21°37	26°47
W19	8 18 53	5°52'50	7°X12	20°41	11°25	4°11	28°58	2°45	14°27	7°59	14°10	25°11	23°53	21°44	26°43
T 20	8 22 50	6°53'38	21°34	22°19	12°38	4°39	29° 1	2°41	14°25	8° 0	14° 9	25° 5	23°50	21°50	26°38
F 21	8 26 46	7°54'25	5°Y58	23°55	13°50	5° 7	29° 4	2°36	14°23	8° 1	14° 7	25° 0	23°47	21°57	26°34
S 22	8 30 43	8°55'10	20°18	25°28	15° 3	5°35	29° 7	2°31	14°21	8° 3	14° 6	24°56	23°44	22° 4	26°30
S 23	8 34 40	9°55'53	4°Z31	26°57	16°16	6° 2	29°10	2°26	14°19	8° 4	14° 4	24°D55	23°40	22°10	26°25
M24	8 38 36	10°56'35	18°36	28°22	17°28	6°29	29°12	2°21	14°17	8° 6	14° 3	24°55	23°37	22°17	26°21
T 25	8 42 33	11°57'15	2°II30	29°42	18°40	6°56	29°15	2°16	14°15	8° 7	14° 1	24°56	23°34	22°24	26°17
W26	8 46 29	12°57'53	16°14	0°X56	19°53	7°23	29°17	2°12	14°13	8° 8	14° 0	24°57	23°31	22°31	26°13
T 27	8 50 26	13°58'30	29°47	2° 5	21° 5	7°50	29°19	2° 7	14°11	8°10	13°58	24°R57	23°28	22°37	26° 9
F 28	8 54 22	14°59'05	13°E11	3° 6	22°17	8°16	29°21	2° 2	14° 9	8°11	13°57	24°55	23°24	22°44	26° 4
S 29	8 58 19	15°59'38	26°24	3°59	23°29	8°42	29°23	1°57	14° 7	8°13	13°55	24°51	23°21	22°51	26° 0
S 30	9 2 16	17° 0'09	9°L25	4°45	24°41	9° 8	29°24	1°53	14° 4	8°14	13°54	24°45	23°18	22°57	25°56
M31	9 6 12	18° 0'39	22°L14	5°X21	25°X53	9°M34	29°26	1°L48	14°M 2	8°Y16	13°L53	24°Z36	23°X15	23°Z 4	25°E52

Delta T = 11m43s Julian Calendar 1 Jan. 1211 == Greg. Calendar 8 Jan. 1211

FEBRUARY 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	9 10 9	19° 1'07	4°M50	5°X48	27°X 5	9°M59	29°Z27	1°R44	14°R 0	8°Y18	13°R51	24°R26	23°Z12	23°Z11	25°R48
W 2	9 14 5	20° 1'33	17°14	6° 5	28°16	10°25	29°28	1°L39	13°M58	8°19	13°L50	24°Z15	23° 9	23°18	25°E44
T 3	9 18 2	21° 1'58	29°25	6°R12	29°28	10°50	29°28	1°35	13°55	8°21	13°48	24° 5	23° 5	23°24	25°41
F 4	9 21 58	22° 2'22	11°Z27	6° 9	0°Y39	11°14	29°29	1°30	13°53	8°23	13°47	23°56	23° 2	23°31	25°37
S 5	9 25 55	23° 2'44	23°21	5°57	1°51	11°39	29°29	1°26	13°51	8°24	13°45	23°49	22°59	23°38	25°33
S 6	9 29 51	24° 3'04	5°M11	5°34	3° 2	12° 3	29°30	1°21	13°48	8°26	13°44	23°45	22°56	23°44	25°29
M 7	9 33 48	25° 3'23	17° 3	5° 3	4°13	12°27	29°R30	1°17	13°46	8°28	13°42	23°43	22°53	23°51	25°26
T 8	9 37 44	26° 3'41	28°59	4°23	5°24	12°50	29°29	1°13	13°43	8°30	13°41	23°D42	22°50	23°58	25°22
W 9	9 41 41	27° 3'57	11°Z 8	3°36	6°35	13°14	29°29	1° 9	13°41	8°31	13°39	23°43	22°46	24° 4	25°19
T 10	9 45 38	28° 4'11	23°Z2	2°43	7°46	13°37	29°28	1° 5	13°39	8°33	13°38	23°R43	22°43	24°11	25°15
F 11	9 49 34	29° 4'24	6°Z18	1°46	8°57	13°59	29°28	1° 1	13°36	8°35	13°37	23°43	22°40	24°18	25°12
S 12	9 53 31	0°X 4'36	19°28	0°45	10° 7	14°22	29°27	0°57	13°34	8°37	13°35	23°40	22°37	24°25	25° 9
S 13	9 57 27	1° 4'45	3°Z 5	29°Z43	11°18	14°44	29°26	0°53	13°31	8°39	13°34	23°34	22°34	24°31	25° 5
M14	10 1 24	2° 4'53	17° 8	28°41	12°28	15° 5	29°24	0°49	13°29	8°41	13°32	23°26	22°30	24°38	25° 2
T 15	10 5 20	3° 4'59	1°X35	27°40	13°39	15°27	29°23	0°45	13°26	8°43	13°31	23°16	22°27	24°45	24°59
W16	10 9 17	4° 5'03	16°17	26°41	14°49	15°48	29°21	0°41	13°23	8°44	13°30	23° 5	22°24	24°51	24°56
T 17	10 13 13	5° 5'05	1°Y 8	25°46	15°59	16° 8	29°19	0°38	13°21	8°46	13°28	22°55	22°21	24°58	24°53
F 18	10 17 10	6° 5'05	15°58	24°56	17° 9	16°29	29°17	0°34	13°18	8°48	13°27	22°45	22°18	25° 5	24°50
S 19	10 21 7	7° 5'03	0°Z40	24°11	18°18	16°48	29°15	0°31	13°16	8°50	13°26	22°38	22°15	25°11	24°48
S 20	10 25 3	8° 4'59	15° 8	23°33	19°28	17° 8	29°12	0°27	13°13	8°52	13°24	22°34	22°11	25°18	24°45
M21	10 29 0	9° 4'52	29°19	23° 0	20°37	17°27	29°10	0°24	13°10	8°54	13°23	22°33	22° 8	25°25	24°42
T 22	10 32 56	10° 4'44	13°II10	22°34	21°47	17°46	29° 7	0°21	13° 8	8°56	13°22	22°D32	22° 5	25°32	24°40
W23	10 36 53	11° 4'32	26°44	22°14	22°56	18° 4	29° 4	0°18	13° 5	8°58	13°20	22°R32	22° 2	25°38	24°38
T 24	10 40 49	12° 4'19	10°E 2	22° 1	24° 5	18°22	29° 1	0°15	13° 3	9° 0	13°19	22°31	21°59	25°45	24°35
F 25	10 44 46	13° 4'03	23° 6	21°54	25°13	18°40	28°58	0°12	13° 0	9° 3	13°18	22°28	21°55	25°52	24°33
S 26	10 48 42	14° 3'45	5°L58	21°D54	26°22	18°57	28°54	0° 9	12°57	9° 5	13°17	22°22	21°52	25°58	24°31
S 27	10 52 39	15° 3'25	18°39	21°59	27°31	19°14	28°50	0° 6	12°55	9° 7	13°15	22°13	21°49	26° 5	24°29
M28	10 56 36	16°X 3'03	1°M10	22°Z10	28°Y39	19°M30	28°Z47	0°L 4	12°M52	9°Y 9	13°L14	22°Z 2	21°Z46	26°Z12	24°E27

Delta T = 11m43s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1211

MARCH 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	11 0 32	17°X 2'38	13°M 31	22°≈26	29°Y 47	19°M 46	28°R 43	0°R 1	12°R 50	9°Y 11	13°R 13	21°R 48	21°X 43	26°≈18	24°R 25
W 2	11 4 29	18° 2'12	25°44	22°48	0°S 55	20° 1	28°≈38	29°≈59	12°M 47	9°13	13°Ω 12	21°X 34	21°40	26°25	24°≈23
T 3	11 8 25	19° 1'43	7°≈48	23°14	2° 3	20°16	28°34	29°56	12°44	9°15	13°11	21°20	21°36	26°32	24°21
F 4	11 12 22	20° 1'12	19°45	23°45	3°10	20°30	28°30	29°54	12°42	9°17	13° 9	21° 8	21°33	26°39	24°20
S 5	11 16 18	21° 0'40	1°M 37	24°21	4°18	20°44	28°25	29°52	12°39	9°20	13° 8	20°58	21°30	26°45	24°18
S 6	11 20 15	22° 0'05	13°26	25° 0	5°25	20°57	28°20	29°50	12°37	9°22	13° 7	20°51	21°27	26°52	24°17
M 7	11 24 11	22°59'29	25°16	25°43	6°32	21°10	28°15	29°48	12°34	9°24	13° 6	20°46	21°24	26°59	24°16
T 8	11 28 8	23°58'51	7°≈12	26°30	7°39	21°22	28°10	29°46	12°32	9°26	13° 5	20°45	21°21	27° 5	24°14
W 9	11 32 5	24°58'11	19°17	27°20	8°45	21°34	28° 5	29°44	12°29	9°28	13° 4	20°44	21°17	27°12	24°13
T 10	11 36 1	25°57'29	1°S 38	28°14	9°51	21°45	27°59	29°42	12°27	9°31	13° 3	20°44	21°14	27°19	24°12
F 11	11 39 58	26°56'46	14°20	29°10	10°58	21°56	27°54	29°41	12°24	9°33	13° 2	20°43	21°11	27°25	24°11
S 12	11 43 54	27°56'00	27°28	0°X 9	12° 4	22° 6	27°48	29°39	12°22	9°35	13° 1	20°41	21° 8	27°32	24°10
S 13	11 47 51	28°55'13	11°≈ 4	1°11	13° 9	22°15	27°42	29°38	12°19	9°37	13° 0	20°35	21° 5	27°39	24°10
M 14	11 51 47	29°54'24	25°10	2°16	14°15	22°24	27°37	29°37	12°17	9°39	12°59	20°28	21° 1	27°46	24° 9
T 15	11 55 44	0°Y 53'33	9°X 44	3°23	15°20	22°32	27°30	29°36	12°14	9°42	12°58	20°18	20°58	27°52	24° 9
W 16	11 59 40	1°52'40	24°39	4°32	16°25	22°40	27°24	29°35	12°12	9°44	12°57	20° 7	20°55	27°59	24° 8
T 17	12 3 37	2°51'45	9°Y 48	5°44	17°30	22°47	27°18	29°34	12° 9	9°46	12°56	19°56	20°52	28° 6	24° 8
F 18	12 7 33	3°50'48	24°59	6°57	18°34	22°53	27°12	29°33	12° 7	9°48	12°56	19°46	20°49	28°12	24° 8
S 19	12 11 30	4°49'49	10°S 2	8°13	19°38	22°59	27° 5	29°32	12° 5	9°51	12°55	19°39	20°46	28°19	24° 7
S 20	12 15 27	5°48'47	24°49	9°31	20°42	23° 3	26°58	29°32	12° 2	9°53	12°54	19°34	20°42	28°26	24°D 7
M 21	12 19 23	6°47'43	9°II 14	10°51	21°46	23° 8	26°52	29°31	12° 0	9°55	12°53	19°32	20°39	28°32	24° 8
T 22	12 23 20	7°46'37	23°15	12°12	22°49	23°11	26°45	29°31	11°58	9°57	12°52	19°D 32	20°36	28°39	24° 8
W 23	12 27 16	8°45'29	6°≈52	13°36	23°52	23°14	26°38	29°30	11°55	10° 0	12°52	19°R 32	20°33	28°46	24° 8
T 24	12 31 13	9°44'18	20° 7	15° 1	24°55	23°16	26°31	29°30	11°53	10° 2	12°51	19°32	20°30	28°52	24° 8
F 25	12 35 9	10°43'05	3°Ω 3	16°28	25°57	23°18	26°24	29°D 30	11°51	10° 4	12°50	19°30	20°27	28°59	24° 9
S 26	12 39 6	11°41'50	15°43	17°57	26°59	23°19	26°17	29°30	11°49	10° 7	12°50	19°25	20°23	29° 6	24°10
S 27	12 43 2	12°40'32	28°10	19°27	28° 1	23°R 19	26°10	29°30	11°47	10° 9	12°49	19°18	20°20	29°13	24°10
M 28	12 46 59	13°39'12	10°M 27	20°59	29° 2	23°18	26° 2	29°31	11°45	10°11	12°49	19° 8	20°17	29°19	24°11
T 29	12 50 56	14°37'50	22°36	22°33	0°II 3	23°16	25°55	29°31	11°43	10°13	12°48	18°57	20°14	29°26	24°12
W 30	12 54 52	15°36'26	4°≈38	24° 9	1° 4	23°14	25°48	29°32	11°41	10°16	12°47	18°45	20°11	29°33	24°13
T 31	12 58 49	16°Y 35'00	16°≈34	25°X 46	2°II 4	23°M 11	25°≈40	29°≈32	11°M 39	10°Y 18	12°Ω 47	18°X 33	20°X 7	29°≈39	24°≈14

Delta T = 11m43s Julian Calendar 1 March 1211 == Greg. Calendar 8 March 1211

APRIL 1211 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	13 2 45	17°Y 33'31	28°≈27	27°X 24	3°II 4	23°R 8	25°R 33	29°≈33	11°R 37	10°Y 20	12°R 46	18°R 23	20°X 4	29°≈46	24°≈15
S 2	13 6 42	18°32'01	10°M 17	29° 5	4° 3	23°M 3	25°≈25	29°34	11°M 35	10°22	12°Ω 46	18°X 14	20° 1	29°53	24°17
S 3	13 10 38	19°30'30	22° 7	0°Y 47	5° 2	22°58	25°18	29°35	11°33	10°25	12°46	18° 9	19°58	29°59	24°18
M 4	13 14 35	20°28'56	3°≈58	2°31	6° 1	22°52	25°10	29°36	11°31	10°27	12°45	18° 5	19°55	0°M 6	24°19
T 5	13 18 31	21°27'21	15°56	4°16	6°59	22°45	25° 2	29°37	11°29	10°29	12°45	18°D 4	19°52	0°13	24°21
W 6	13 22 28	22°25'44	28° 3	6° 3	7°57	22°38	24°55	29°38	11°27	10°31	12°44	18° 4	19°48	0°19	24°23
T 7	13 26 25	23°24'05	10°S 24	7°52	8°54	22°29	24°47	29°39	11°26	10°34	12°44	18° 5	19°45	0°26	24°25
F 8	13 30 21	24°22'25	23° 4	9°43	9°50	22°20	24°39	29°41	11°24	10°36	12°44	18°R 6	19°42	0°33	24°26
S 9	13 34 18	25°20'44	6°≈ 7	11°35	10°47	22°11	24°32	29°42	11°22	10°38	12°44	18° 5	19°39	0°40	24°28
S 10	13 38 14	26°19'00	19°37	13°29	11°42	22° 0	24°24	29°44	11°21	10°40	12°43	18° 3	19°36	0°46	24°31
M 11	13 42 11	27°17'15	3°X 36	15°25	12°37	21°49	24°16	29°46	11°19	10°42	12°43	17°59	19°32	0°53	24°33
T 12	13 46 7	28°15'29	18° 4	17°22	13°32	21°37	24° 9	29°47	11°18	10°45	12°43	17°53	19°29	1° 0	24°35
W 13	13 50 4	29°13'41	2°Y 55	19°21	14°26	21°24	24° 1	29°49	11°16	10°47	12°43	17°45	19°26	1° 6	24°37
T 14	13 54 0	0°X 11'51	18° 4	21°22	15°19	21°10	23°54	29°51	11°15	10°49	12°43	17°38	19°23	1°13	24°40
F 15	13 57 57	1°10'00	3°S 21	23°24	16°12	20°56	23°46	29°54	11°13	10°51	12°43	17°32	19°20	1°20	24°42
S 16	14 1 54	2° 8'07	18°34	25°28	17° 4	20°42	23°38	29°56	11°12	10°53	12°42	17°27	19°17	1°26	24°45
S 17	14 5 50	3° 6'12	3°II 34	27°33	17°56	20°26	23°31	29°58	11°11	10°55	12°42	17°24	19°13	1°33	24°48
M 18	14 9 47	4° 4'16	18°12	29°39	18°46	20°10	23°23	0°Ω 1	11° 9	10°57	12°D 42	17°D 24	19°10	1°40	24°51
T 19	14 13 43	5° 2'17	2°≈26	1°≈47	19°37	19°53	23°16	0° 3	11° 8	11° 0	12°42	17°24	19° 7	1°46	24°54
W 20	14 17 40	6° 0'17	16°12	3°55	20°26	19°36	23° 9	0° 6	11° 7	11° 2	12°42	17°26	19° 4	1°53	24°57
T 21	14 21 36	6°58'15	29°33	6° 5	21°14	19°19	23° 1	0° 9	11° 6	11° 4	12°43	17°27	19° 1	2° 0	25° 0
F 22	14 25 33	7°56'11	12°Ω 31	8°15	22° 2	19° 0	22°54	0°12	11° 5	11° 6	12°43	17°R 27	18°58	2° 6	25° 3
S 23	14 29 29	8°54'04	25° 9	10°26	22°49	18°42	22°47	0°15	11° 4	11° 8	12°43	17°25	18°54	2°13	25° 6
S 24	14 33 26	9°51'56	7°M 31	12°36	23°35	18°23	22°40	0°18	11° 3	11°10	12°43	17°22	18°51	2°20	25°10
M 25	14 37 23	10°49'47	19°40	14°47	24°20	18° 3	22°33	0°21	11° 2	11°12	12°43	17°18	18°48	2°27	25°13
T 26	14 41 19	11°47'35	1°≈41	16°57	25° 4	17°44	22°26	0°24	11° 1	11°14	12°43	17°12	18°45	2°33	25°17
W 27	14 45 16	12°45'22	13°36	19° 7	25°48	17°23	22°19	0°27	11° 0	11°16	12°44	17° 6	18°42	2°40	25°20
T 28	14 49 12	13°43'07	25°28	21°15	26°30	17° 3	22°13	0°31	10°59	11°18	12°44	17° 0	18°38	2°47	25°24
F 29	14 53 9	14°40'51	7°M 18	23°23	27°11	16°42	22° 6	0°34	10°59	11°20	12°44	16°55	18°35	2°53	25°28
S 30	14 57 5	15°X 38'33	19°M 9	25°≈29	27°II 51	16°M 22	21°≈59	0°Ω 38	10°M 58	11°Y 22	12°Ω 45	16°X 51	18°X 32	3°M 0	25°≈32

Delta T = 11m42s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1211

MAY 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	15 1 2	16♁36'15	1♂ 2	27♁33	28♁30	16°R 1	21°R53	0♁42	10°R57	11°Y24	12♁45	16°R48	18♂29	3♁ 7	25♁36	
M 2	15 4 58	17°33'54	13° 0	29°35	29° 8	15♁40	21♁47	0°45	10♁57	11°26	12°45	16°D47	18°26	3°13	25°40	
T 3	15 8 55	18°31'33	25° 5	1♁35	29°44	15°19	21°40	0°49	10°56	11°28	12°46	16♂47	18°23	3°20	25°44	
W 4	15 12 52	19°29'10	7♁20	3°33	0♁20	14°57	21°34	0°53	10°56	11°30	12°46	16°48	18°19	3°27	25°48	
T 5	15 16 48	20°26'47	19°48	5°28	0°54	14°36	21°28	0°57	10°55	11°31	12°47	16°50	18°16	3°33	25°52	
F 6	15 20 45	21°24'22	2♁32	7°21	1°26	14°15	21°23	1° 1	10°55	11°33	12°47	16°51	18°13	3°40	25°57	
S 7	15 24 41	22°21'56	15°36	9°11	1°58	13°54	21°17	1° 6	10°55	11°35	12°48	16°52	18°10	3°47	26° 1	
S 8	15 28 38	23°19'29	29° 2	10°58	2°28	13°34	21°11	1°10	10°54	11°37	12°48	16°R52	18° 7	3°53	26° 6	
M 9	15 32 34	24°17'02	12♁52	12°43	2°56	13°13	21° 6	1°14	10°54	11°39	12°49	16°51	18° 4	4° 0	26°10	
T 10	15 36 31	25°14'33	27° 7	14°24	3°23	12°53	21° 0	1°19	10°54	11°40	12°49	16°49	18° 0	4° 7	26°15	
W11	15 40 27	26°12'04	11°Y45	16° 3	3°48	12°33	20°55	1°23	10°54	11°42	12°50	16°47	17°57	4°13	26°20	
T 12	15 44 24	27° 9'34	26°40	17°39	4°11	12°13	20°50	1°28	10°D54	11°44	12°51	16°44	17°54	4°20	26°25	
F 13	15 48 21	28° 7'03	11♁45	19°12	4°33	11°54	20°45	1°33	10°54	11°46	12°51	16°42	17°51	4°27	26°29	
S 14	15 52 17	29° 4'31	26°51	20°41	4°53	11°35	20°41	1°37	10°54	11°47	12°52	16°41	17°48	4°34	26°34	
S 15	15 56 14	0♁ 1'58	11♁49	22° 8	5°11	11°17	20°36	1°42	10°54	11°49	12°53	16°D40	17°44	4°40	26°39	
M16	16 0 10	0°59'24	26°32	23°32	5°27	10°59	20°32	1°47	10°54	11°51	12°54	16°40	17°41	4°47	26°45	
T 17	16 4 7	1°56'49	10♁52	24°52	5°41	10°42	20°27	1°52	10°55	11°52	12°54	16°41	17°38	4°54	26°50	
W18	16 8 3	2°54'13	24°47	26°10	5°54	10°25	20°23	1°57	10°55	11°54	12°55	16°42	17°35	5° 0	26°55	
T 19	16 12 0	3°51'36	8♁15	27°24	6° 4	10° 9	20°19	2° 3	10°55	11°55	12°56	16°43	17°32	5° 7	27° 0	
F 20	16 15 56	4°48'58	21°18	28°35	6°12	9°54	20°16	2° 8	10°56	11°57	12°57	16°44	17°29	5°14	27° 6	
S 21	16 19 53	5°46'18	3♁59	29°42	6°17	9°39	20°12	2°13	10°56	11°58	12°58	16°R44	17°25	5°20	27°11	
S 22	16 23 50	6°43'37	16°22	0♁46	6°21	9°25	20° 8	2°18	10°56	12° 0	12°59	16°44	17°22	5°27	27°17	
M23	16 27 46	7°40'56	28°30	1°47	6°R22	9°11	20° 5	2°24	10°57	12° 1	13° 0	16°43	17°19	5°34	27°22	
T 24	16 31 43	8°38'13	10♁28	2°44	6°20	8°59	20° 2	2°29	10°58	12° 3	13° 1	16°42	17°16	5°40	27°28	
W25	16 35 39	9°35'29	22°20	3°38	6°17	8°47	19°59	2°35	10°58	12° 4	13° 2	16°41	17°13	5°47	27°33	
T 26	16 39 36	10°32'45	4♁10	4°27	6°11	8°36	19°56	2°41	10°59	12° 6	13° 3	16°41	17°10	5°54	27°39	
F 27	16 43 32	11°29'59	16° 1	5°13	6° 2	8°25	19°54	2°46	11° 0	12° 7	13° 4	16°40	17° 6	6° 0	27°45	
S 28	16 47 29	12°27'14	27°55	5°56	5°52	8°16	19°51	2°52	11° 1	12° 8	13° 5	16°39	17° 3	6° 7	27°51	
S 29	16 51 25	13°24'27	9♂56	6°34	5°38	8° 7	19°49	2°58	11° 1	12°10	13° 6	16°39	17° 0	6°14	27°57	
M30	16 55 22	14°21'40	22° 4	7° 8	5°23	7°59	19°47	3° 4	11° 2	12°11	13° 7	16°D39	16°57	6°20	28° 3	
T 31	16 59 19	15♁18'52	4♁22	7♁37	5♁ 5	7♁52	19♁45	3♁10	11♁ 3	12°Y12	13♁ 8	16♂39	16♂54	6♁27	28♁ 9	

Delta T = 11m42s

Julian Calendar 1 May 1211 == Greg. Calendar 8 May 1211

JUNE 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	17 3 15	16♁16'04	16♁52	8♁ 3	4°R44	7°R46	19°R43	3♁16	11♁ 4	12°Y13	13♁ 9	16°R39	16♂50	6♁34	28♁15	
T 2	17 7 12	17°13'16	29°34	8°24	4♁22	7♁40	19♁42	3°22	11° 5	12°15	13°11	16♂39	16°47	6°40	28°21	
F 3	17 11 8	18°10'28	12♁31	8°41	3°57	7°35	19°41	3°28	11° 6	12°16	13°12	16°39	16°44	6°47	28°27	
S 4	17 15 5	19° 7'39	25°44	8°53	3°31	7°32	19°39	3°34	11° 8	12°17	13°13	16°39	16°41	6°54	28°33	
S 5	17 19 1	20° 4'50	9♁14	9° 0	3° 2	7°29	19°38	3°40	11° 9	12°18	13°14	16°39	16°38	7° 0	28°40	
M 6	17 22 58	21° 2'01	23° 1	9°R 3	2°32	7°26	19°38	3°46	11°10	12°19	13°16	16°D39	16°35	7° 7	28°46	
T 7	17 26 54	21°59'12	7°Y 6	9° 2	2° 0	7°25	19°37	3°53	11°11	12°20	13°17	16°39	16°31	7°14	28°52	
W 8	17 30 51	22°56'23	21°27	8°56	1°27	7°D25	19°36	3°59	11°13	12°21	13°18	16°39	16°28	7°20	28°59	
T 9	17 34 48	23°53'34	6♁ 2	8°45	0°52	7°25	19°36	4° 6	11°14	12°22	13°20	16°40	16°25	7°27	29° 5	
F 10	17 38 44	24°50'46	20°45	8°30	0°16	7°26	19°D36	4°12	11°16	12°23	13°21	16°41	16°22	7°34	29°12	
S 11	17 42 41	25°47'57	5♁32	8°12	29♁40	7°28	19°36	4°19	11°17	12°24	13°22	16°41	16°19	7°41	29°18	
S 12	17 46 37	26°45'09	20°14	7°49	29° 3	7°31	19°36	4°25	11°19	12°25	13°24	16°R41	16°16	7°47	29°25	
M13	17 50 34	27°42'20	4♁46	7°23	28°26	7°34	19°37	4°32	11°20	12°26	13°25	16°41	16°12	7°54	29°31	
T 14	17 54 30	28°39'31	19° 1	6°53	27°48	7°39	19°37	4°39	11°22	12°27	13°27	16°40	16° 9	8° 1	29°38	
W15	17 58 27	29°36'43	2♁55	6°21	27°11	7°44	19°38	4°45	11°24	12°28	13°28	16°38	16° 6	8° 7	29°45	
T 16	18 2 23	0♁33'54	16°26	5°47	26°34	7°50	19°39	4°52	11°26	12°28	13°30	16°37	16° 3	8°14	29°51	
F 17	18 6 20	1°31'04	29°33	5°11	25°58	7°56	19°40	4°59	11°27	12°29	13°31	16°35	16° 0	8°21	29°58	
S 18	18 10 17	2°28'15	12♁17	4°34	25°22	8° 4	19°42	5° 6	11°29	12°30	13°33	16°33	15°56	8°27	0♁ 5	
S 19	18 14 13	3°25'25	24°42	3°56	24°47	8°12	19°43	5°13	11°31	12°31	13°34	16°32	15°53	8°34	0°12	
M20	18 18 10	4°22'35	6♁51	3°19	24°14	8°21	19°45	5°20	11°33	12°31	13°36	16°D32	15°50	8°41	0°19	
T 21	18 22 6	5°19'45	18°49	2°42	23°42	8°31	19°47	5°26	11°35	12°32	13°37	16°33	15°47	8°47	0°26	
W22	18 26 3	6°16'55	0♁41	2° 7	23°12	8°41	19°49	5°33	11°37	12°32	13°39	16°34	15°44	8°54	0°33	
T 23	18 29 59	7°14'05	12°31	1°34	22°43	8°52	19°51	5°41	11°39	12°33	13°40	16°35	15°41	9° 1	0°40	
F 24	18 33 56	8°11'16	24°24	1° 3	22°16	9° 4	19°54	5°48	11°41	12°34	13°42	16°37	15°37	9° 7	0°47	
S 25	18 37 52	9° 8'26	6♂23	0°36	21°52	9°17	19°56	5°55	11°43	12°34	13°44	16°38	15°34	9°14	0°54	
S 26	18 41 49	10° 5'37	18°31	0°13	21°29	9°30	19°59	6° 2	11°46	12°34	13°45	16°R38	15°31	9°21	1° 1	
M27	18 45 46	11° 2'47	0♁52	29♁54	21° 9	9°44	20° 2	6° 9	11°48	12°35	13°47	16°38	15°28	9°27	1° 8	
T 28	18 49 42	11°59'59	13°27	29°39	20°51	9°58	20° 5	6°16	11°50	12°35	13°49	16°36	15°25	9°34	1°15	
W29	18 53 39	12°57'10	26°16	29°29	20°35	10°13	20° 8	6°23	11°52	12°36	13°50	16°33	15°22	9°41	1°22	
T 30	18 57 35	13♁54'22	9♁20	29°D25	20♁21	10♁29	20♁12	6♁31	11♁55	12°Y36	13♁52	16♂29	15♂18	9♁47	1♁29	

Delta T = 11m42s

Julian Calendar

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SWISS EPHEMERIS for the year 1211

JULY 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	19 1 32	14 ⁵⁵ 1'35	22 ³⁸ 38	29 ^{II} 25	20 ^R 10	10 ^M 45	20 [♁] 15	6 [♁] 38	11 [♁] 57	12 [♁] 36	13 [♁] 54	16 ^R 25	15 [♁] 15	9 ^M 54	1 [♁] 37
S 2	19 5 28	15 ⁴⁸ 48	6 [♁] 9	29 ³²	20 ^{II} 2	11 [°] 2	20 [°] 19	6 [°] 45	12 [°] 0	12 [°] 37	13 [°] 55	16 [°] 21	15 [°] 12	10 [°] 1	1 [°] 44
S 3	19 9 25	16 ⁴⁶ 03	19 [°] 52	29 [°] 44	19 [°] 56	11 [°] 20	20 [°] 23	6 [°] 53	12 [°] 2	12 [°] 37	13 [°] 57	16 [°] 17	15 [°] 9	10 [°] 7	1 [°] 51
M 4	19 13 21	17 ⁴³ 18	3 [♁] 46	0 [♁] 2	19 [°] 52	11 [°] 38	20 [°] 27	7 [°] 0	12 [°] 5	12 [°] 37	13 [°] 59	16 [°] 15	15 [°] 6	10 [°] 14	1 [°] 58
T 5	19 17 18	18 ⁴⁰ 33	17 [°] 49	0 [°] 25	19 ^D 51	11 [°] 56	20 [°] 31	7 [°] 7	12 [°] 7	12 [°] 37	14 [°] 1	16 ^D 14	15 [°] 2	10 [°] 21	2 [°] 6
W 6	19 21 15	19 ³⁷ 50	2 [♁] 0	0 [°] 55	19 [°] 51	12 [°] 16	20 [°] 35	7 [°] 15	12 [°] 10	12 [°] 37	14 [°] 2	16 [°] 15	14 [°] 59	10 [°] 27	2 [°] 13
T 7	19 25 11	20 ³⁵ 08	16 [°] 16	1 [°] 30	19 [°] 55	12 [°] 35	20 [°] 40	7 [°] 22	12 [°] 13	12 [°] 37	14 [°] 4	16 [°] 16	14 [°] 56	10 [°] 34	2 [°] 20
F 8	19 29 8	21 ³² 27	0 ^{II} 37	2 [°] 11	20 [°] 0	12 [°] 56	20 [°] 45	7 [°] 30	12 [°] 15	12 [°] 38	14 [°] 6	16 [°] 17	14 [°] 53	10 [°] 41	2 [°] 28
S 9	19 33 4	22 ²⁹ 47	14 [°] 58	2 [°] 58	20 [°] 8	13 [°] 16	20 [°] 50	7 [°] 37	12 [°] 18	12 [°] 38	14 [°] 8	16 ^R 18	14 [°] 50	10 [°] 47	2 [°] 35
S 10	19 37 1	23 ²⁷ 09	29 [°] 15	3 [°] 51	20 [°] 18	13 [°] 38	20 [°] 55	7 [°] 45	12 [°] 21	12 [°] R38	14 [°] 10	16 [°] 18	14 [°] 47	10 [°] 54	2 [°] 42
M11	19 40 57	24 ²⁴ 31	13 [♁] 26	4 [°] 49	20 [°] 29	14 [°] 0	21 [°] 0	7 [°] 52	12 [°] 24	12 [°] 38	14 [°] 11	16 [°] 15	14 [°] 43	11 [°] 1	2 [°] 50
T 12	19 44 54	25 ²¹ 53	27 [°] 24	5 [°] 52	20 [°] 43	14 [°] 22	21 [°] 5	8 [°] 0	12 [°] 26	12 [°] 38	14 [°] 13	16 [°] 11	14 [°] 40	11 [°] 7	2 [°] 57
W13	19 48 51	26 [°] 19'17	11 [♁] 7	7 [°] 2	20 [°] 59	14 [°] 45	21 [°] 11	8 [°] 7	12 [°] 29	12 [°] 37	14 [°] 15	16 [°] 5	14 [°] 37	11 [°] 14	3 [°] 5
T 14	19 52 47	27 [°] 16'42	24 [°] 31	8 [°] 16	21 [°] 17	15 [°] 8	21 [°] 16	8 [°] 15	12 [°] 32	12 [°] 37	14 [°] 17	15 [°] 59	14 [°] 34	11 [°] 21	3 [°] 12
F 15	19 56 44	28 [°] 14'07	7 [♁] 34	9 [°] 35	21 [°] 37	15 [°] 32	21 [°] 22	8 [°] 23	12 [°] 35	12 [°] 37	14 [°] 19	15 [°] 52	14 [°] 31	11 [°] 27	3 [°] 20
S 16	20 0 40	29 [°] 11'33	20 [°] 18	11 [°] 0	21 [°] 58	15 [°] 56	21 [°] 28	8 [°] 30	12 [°] 38	12 [°] 37	14 [°] 21	15 [°] 45	14 [°] 27	11 [°] 34	3 [°] 27
S 17	20 4 37	0 [♁] 8'59	2 [♁] 43	12 [°] 29	22 [°] 21	16 [°] 21	21 [°] 34	8 [°] 38	12 [°] 41	12 [°] 37	14 [°] 23	15 [°] 40	14 [°] 24	11 [°] 41	3 [°] 34
M18	20 8 33	1 [°] 6'27	14 [°] 52	14 [°] 2	22 [°] 46	16 [°] 46	21 [°] 40	8 [°] 45	12 [°] 44	12 [°] 36	14 [°] 24	15 [°] 37	14 [°] 21	11 [°] 47	3 [°] 42
T 19	20 12 30	2 [°] 3'55	26 [°] 50	15 [°] 40	23 [°] 12	17 [°] 12	21 [°] 47	8 [°] 53	12 [°] 47	12 [°] 36	14 [°] 26	15 ^D 35	14 [°] 18	11 [°] 54	3 [°] 49
W20	20 16 26	3 [°] 1'25	8 [♁] 42	17 [°] 22	23 [°] 40	17 [°] 38	21 [°] 53	9 [°] 1	12 [°] 50	12 [°] 36	14 [°] 28	15 [°] 36	14 [°] 15	12 [°] 1	3 [°] 57
T 21	20 20 23	3 [°] 58'55	20 [°] 32	19 [°] 8	24 [°] 9	18 [°] 4	22 [°] 0	9 [°] 8	12 [°] 53	12 [°] 36	14 [°] 30	15 [°] 37	14 [°] 12	12 [°] 7	4 [°] 4
F 22	20 24 19	4 [°] 56'26	2 [♁] 25	20 [°] 56	24 [°] 40	18 [°] 31	22 [°] 6	9 [°] 16	12 [°] 56	12 [°] 35	14 [°] 32	15 [°] 38	14 [°] 8	12 [°] 14	4 [°] 12
S 23	20 28 16	5 [°] 53'58	14 [°] 28	22 [°] 48	25 [°] 12	18 [°] 58	22 [°] 13	9 [°] 24	13 [°] 0	12 [°] 35	14 [°] 34	15 ^R 38	14 [°] 5	12 [°] 21	4 [°] 19
S 24	20 32 13	6 [°] 51'31	26 [°] 43	24 [°] 42	25 [°] 46	19 [°] 26	22 [°] 20	9 [°] 31	13 [°] 3	12 [°] 34	14 [°] 36	15 [°] 38	14 [°] 2	12 [°] 27	4 [°] 27
M25	20 36 9	7 [°] 49'05	9 [♁] 14	26 [°] 38	26 [°] 21	19 [°] 54	22 [°] 28	9 [°] 39	13 [°] 6	12 [°] 34	14 [°] 38	15 [°] 35	13 [°] 59	12 [°] 34	4 [°] 34
T 26	20 40 6	8 [°] 46'40	22 [°] 4	28 [°] 37	26 [°] 57	20 [°] 22	22 [°] 35	9 [°] 47	13 [°] 9	12 [°] 33	14 [°] 40	15 [°] 30	13 [°] 56	12 [°] 41	4 [°] 42
W27	20 44 2	9 [°] 44'16	5 [♁] 13	0 [♁] 36	27 [°] 34	20 [°] 51	22 [°] 42	9 [°] 54	13 [°] 13	12 [°] 33	14 [°] 42	15 [°] 24	13 [°] 53	12 [°] 47	4 [°] 49
T 28	20 47 59	10 [°] 41'53	18 [°] 41	2 [°] 37	28 [°] 13	21 [°] 20	22 [°] 50	10 [°] 2	13 [°] 16	12 [°] 32	14 [°] 43	15 [°] 15	13 [°] 49	12 [°] 54	4 [°] 57
F 29	20 51 55	11 [°] 39'32	2 [♁] 25	4 [°] 38	28 [°] 53	21 [°] 50	22 [°] 58	10 [°] 10	13 [°] 19	12 [°] 32	14 [°] 45	15 [°] 6	13 [°] 46	13 [°] 1	5 [°] 4
S 30	20 55 52	12 [°] 37'12	16 [°] 22	6 [°] 39	29 [°] 33	22 [°] 20	23 [°] 5	10 [°] 17	13 [°] 23	12 [°] 31	14 [°] 47	14 [°] 57	13 [°] 43	13 [°] 7	5 [°] 11
S 31	20 59 49	13 [♁] 34'54	0 [♁] 27	8 [♁] 41	0 [♁] 15	22 [♁] 50	23 [♁] 13	10 [♁] 25	13 [♁] 26	12 [♁] 30	14 [♁] 49	14 [♁] 49	13 [♁] 40	13 [♁] 14	5 [♁] 19

Delta T = 11m42s

Julian Calendar 1 July 1211 == Greg. Calendar 8 July 1211

AUGUST 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	21 3 45	14 [♁] 32'37	14 [♁] 37	10 [♁] 43	0 [♁] 58	23 [♁] 20	23 [♁] 21	10 [♁] 32	13 [♁] 29	12 [°] R30	14 [♁] 51	14 ^R 44	13 [♁] 37	13 [♁] 21	5 [♁] 26
T 2	21 7 42	15 [°] 30'23	28 [°] 49	12 [°] 44	1 [°] 42	23 [°] 51	23 [°] 29	10 [°] 40	13 [°] 33	12 [°] ♁29	14 [°] 53	14 [♁] 41	13 [°] 33	13 [°] 27	5 [°] 34
W 3	21 11 38	16 [°] 28'10	12 [♁] 59	14 [°] 45	2 [°] 26	24 [°] 22	23 [°] 38	10 [°] 48	13 [°] 36	12 [°] 28	14 [°] 55	14 ^D 39	13 [°] 30	13 [°] 34	5 [°] 41
T 4	21 15 35	17 [°] 25'58	27 [°] 7	16 [°] 45	3 [°] 12	24 [°] 53	23 [°] 46	10 [°] 55	13 [°] 40	12 [°] 27	14 [°] 57	14 [°] 40	13 [°] 27	13 [°] 41	5 [°] 49
F 5	21 19 31	18 [°] 23'49	11 ^{II} 11	18 [°] 44	3 [°] 59	25 [°] 25	23 [°] 55	11 [°] 3	13 [°] 43	12 [°] 27	14 [°] 59	14 ^R 40	13 [°] 24	13 [°] 47	5 [°] 56
S 6	21 23 28	19 [°] 21'41	25 [°] 9	20 [°] 42	4 [°] 46	25 [°] 57	24 [°] 3	11 [°] 11	13 [°] 47	12 [°] 26	15 [°] 1	14 [°] 40	13 [°] 21	13 [°] 54	6 [°] 3
S 7	21 27 24	20 [°] 19'36	9 [♁] 2	22 [°] 39	5 [°] 34	26 [°] 30	24 [°] 12	11 [°] 18	13 [°] 50	12 [°] 25	15 [°] 3	14 [°] 37	13 [°] 18	14 [°] 1	6 [°] 11
M 8	21 31 21	21 [°] 17'32	22 [°] 47	24 [°] 35	6 [°] 23	27 [°] 2	24 [°] 21	11 [°] 26	13 [°] 54	12 [°] 24	15 [°] 5	14 [°] 33	13 [°] 14	14 [°] 7	6 [°] 18
T 9	21 35 18	22 [°] 15'29	6 [♁] 22	26 [°] 29	7 [°] 12	27 [°] 35	24 [°] 30	11 [°] 33	13 [°] 57	12 [°] 23	15 [°] 7	14 [°] 25	13 [°] 11	14 [°] 14	6 [°] 26
W10	21 39 14	23 [°] 13'29	19 [°] 45	28 [°] 23	8 [°] 3	28 [°] 8	24 [°] 39	11 [°] 41	14 [°] 1	12 [°] 22	15 [°] 8	14 [°] 15	13 [°] 8	14 [°] 21	6 [°] 33
T 11	21 43 11	24 [°] 11'30	2 [♁] 54	0 [♁] 15	8 [°] 54	28 [°] 42	24 [°] 48	11 [°] 49	14 [°] 5	12 [°] 21	15 [°] 10	14 [°] 4	13 [°] 5	14 [°] 27	6 [°] 40
F 12	21 47 7	25 [°] 9'32	15 [°] 46	2 [°] 6	9 [°] 46	29 [°] 16	24 [°] 58	11 [°] 56	14 [°] 8	12 [°] 20	15 [°] 12	13 [°] 52	13 [°] 2	14 [°] 34	6 [°] 47
S 13	21 51 4	26 [°] 7'36	28 [°] 22	3 [°] 56	10 [°] 38	29 [°] 50	25 [°] 7	12 [°] 4	14 [°] 12	12 [°] 19	15 [°] 14	13 [°] 40	12 [°] 59	14 [°] 41	6 [°] 55
S 14	21 55 0	27 [°] 5'42	10 [♁] 42	5 [°] 45	11 [°] 31	0 [♁] 24	25 [°] 17	12 [°] 11	14 [°] 15	12 [°] 18	15 [°] 16	13 [°] 30	12 [°] 55	14 [°] 47	7 [°] 2
M15	21 58 57	28 [°] 3'49	22 [°] 49	7 [°] 32	12 [°] 24	0 [°] 58	25 [°] 26	12 [°] 19	14 [°] 19	12 [°] 17	15 [°] 18	13 [°] 23	12 [°] 52	14 [°] 54	7 [°] 9
T 16	22 2 53	29 [°] 1'58	4 [♁] 45	9 [°] 18	13 [°] 19	1 [°] 33	25 [°] 36	12 [°] 26	14 [°] 23	12 [°] 16	15 [°] 20	13 [°] 18			

SWISS EPHEMERIS for the year 1211

SEPTEMBER 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	23 5 58	14 ^h 36'06	8 ^h II 3	4 ^h 58	28 ^h 51	11 ^h 21	28 ^h 24	14 ^h 22	15 ^h 23	11 ^h R55	15 ^h 49	11 ^h R55	11 ^h 58	16 ^h 47	9 ^h 8		
F 2	23 9 55	15 ^h 34'46	22 ^h 1	6 ^h 25	29 ^h 53	11 ^h 59	28 ^h 35	14 ^h 29	15 ^h 26	11 ^h Y54	15 ^h 51	11 ^h 55	11 ^h 55	16 ^h 54	9 ^h 14		
S 3	23 13 51	16 ^h 33'28	5 ^h 47	7 ^h 50	0 ^h 55	12 ^h 37	28 ^h 46	14 ^h 36	15 ^h 30	11 ^h 52	15 ^h 52	11 ^h 54	11 ^h 52	17 ^h 1	9 ^h 21		
S 4	23 17 48	17 ^h 32'13	19 ^h 21	9 ^h 15	1 ^h 58	13 ^h 16	28 ^h 57	14 ^h 43	15 ^h 34	11 ^h 51	15 ^h 54	11 ^h 51	11 ^h 49	17 ^h 7	9 ^h 27		
M 5	23 21 44	18 ^h 31'00	2 ^h 44	10 ^h 38	3 ^h 1	13 ^h 55	29 ^h 9	14 ^h 50	15 ^h 38	11 ^h 49	15 ^h 56	11 ^h 45	11 ^h 45	17 ^h 14	9 ^h 34		
T 6	23 25 41	19 ^h 29'49	15 ^h 57	12 ^h 1	4 ^h 4	14 ^h 34	29 ^h 20	14 ^h 56	15 ^h 42	11 ^h 48	15 ^h 57	11 ^h 37	11 ^h 42	17 ^h 21	9 ^h 40		
W 7	23 29 38	20 ^h 28'41	28 ^h 57	13 ^h 22	5 ^h 7	15 ^h 14	29 ^h 32	15 ^h 3	15 ^h 45	11 ^h 46	15 ^h 59	11 ^h 26	11 ^h 39	17 ^h 27	9 ^h 47		
T 8	23 33 34	21 ^h 27'34	11 ^h 46	14 ^h 42	6 ^h 11	15 ^h 53	29 ^h 43	15 ^h 10	15 ^h 49	11 ^h 45	16 ^h 1	11 ^h 13	11 ^h 36	17 ^h 34	9 ^h 53		
F 9	23 37 31	22 ^h 26'30	24 ^h 22	16 ^h 0	7 ^h 15	16 ^h 33	29 ^h 55	15 ^h 16	15 ^h 53	11 ^h 43	16 ^h 2	10 ^h 59	11 ^h 33	17 ^h 41	9 ^h 59		
S 10	23 41 27	23 ^h 25'27	6 ^h 46	17 ^h 17	8 ^h 20	17 ^h 12	0 ^h 7	15 ^h 23	15 ^h 57	11 ^h 42	16 ^h 4	10 ^h 47	11 ^h 30	17 ^h 47	10 ^h 6		
S 11	23 45 24	24 ^h 24'27	18 ^h 58	18 ^h 33	9 ^h 24	17 ^h 52	0 ^h 19	15 ^h 30	16 ^h 0	11 ^h 40	16 ^h 6	10 ^h 36	11 ^h 26	17 ^h 54	10 ^h 12		
M12	23 49 20	25 ^h 23'28	0 ^h 58	19 ^h 47	10 ^h 29	18 ^h 32	0 ^h 31	15 ^h 36	16 ^h 4	11 ^h 39	16 ^h 7	10 ^h 27	11 ^h 23	18 ^h 0	10 ^h 18		
T 13	23 53 17	26 ^h 22'32	12 ^h 51	21 ^h 0	11 ^h 34	19 ^h 12	0 ^h 43	15 ^h 43	16 ^h 8	11 ^h 37	16 ^h 9	10 ^h 21	11 ^h 20	18 ^h 7	10 ^h 24		
W14	23 57 13	27 ^h 21'37	24 ^h 39	22 ^h 11	12 ^h 40	19 ^h 53	0 ^h 55	15 ^h 49	16 ^h 12	11 ^h 35	16 ^h 10	10 ^h 18	11 ^h 17	18 ^h 14	10 ^h 30		
T 15	0 1 10	28 ^h 20'45	6 ^h 26	23 ^h 20	13 ^h 45	20 ^h 33	1 ^h 7	15 ^h 55	16 ^h 15	11 ^h 34	16 ^h 12	10 ^h D17	11 ^h 14	18 ^h 20	10 ^h 36		
F 16	0 5 7	29 ^h 19'54	18 ^h 16	24 ^h 27	14 ^h 51	21 ^h 14	1 ^h 19	16 ^h 2	16 ^h 19	11 ^h 32	16 ^h 13	10 ^h 17	11 ^h 10	18 ^h 27	10 ^h 42		
S 17	0 9 3	0 ^h 19'05	0 ^h 317	25 ^h 32	15 ^h 57	21 ^h 55	1 ^h 31	16 ^h 8	16 ^h 23	11 ^h 30	16 ^h 15	10 ^h R17	11 ^h 7	18 ^h 34	10 ^h 48		
S 18	0 13 0	1 ^h 18'18	12 ^h 32	26 ^h 35	17 ^h 4	22 ^h 36	1 ^h 43	16 ^h 14	16 ^h 26	11 ^h 29	16 ^h 16	10 ^h 16	11 ^h 4	18 ^h 40	10 ^h 54		
M19	0 16 56	2 ^h 17'33	25 ^h 7	27 ^h 35	18 ^h 10	23 ^h 17	1 ^h 55	16 ^h 20	16 ^h 30	11 ^h 27	16 ^h 18	10 ^h 14	11 ^h 1	18 ^h 47	10 ^h 59		
T 20	0 20 53	3 ^h 16'49	8 ^h 7	28 ^h 33	19 ^h 17	23 ^h 58	2 ^h 8	16 ^h 26	16 ^h 34	11 ^h 25	16 ^h 19	10 ^h 9	10 ^h 58	18 ^h 54	11 ^h 5		
W21	0 24 49	4 ^h 16'07	21 ^h 34	29 ^h 28	20 ^h 24	24 ^h 39	2 ^h 20	16 ^h 32	16 ^h 37	11 ^h 24	16 ^h 21	10 ^h 2	10 ^h 55	19 ^h 0	11 ^h 11		
T 22	0 28 46	5 ^h 15'28	5 ^h 30	0 ^h 19	21 ^h 31	25 ^h 21	2 ^h 32	16 ^h 38	16 ^h 41	11 ^h 22	16 ^h 22	9 ^h 53	10 ^h 51	19 ^h 7	11 ^h 16		
F 23	0 32 42	6 ^h 14'50	19 ^h 51	1 ^h 8	22 ^h 39	26 ^h 2	2 ^h 45	16 ^h 44	16 ^h 45	11 ^h 20	16 ^h 23	9 ^h 43	10 ^h 48	19 ^h 14	11 ^h 22		
S 24	0 36 39	7 ^h 14'14	4 ^h Y33	1 ^h 52	23 ^h 46	26 ^h 44	2 ^h 57	16 ^h 50	16 ^h 48	11 ^h 19	16 ^h 25	9 ^h 33	10 ^h 45	19 ^h 20	11 ^h 27		
S 25	0 40 35	8 ^h 13'40	19 ^h 28	2 ^h 32	24 ^h 54	27 ^h 26	3 ^h 10	16 ^h 56	16 ^h 52	11 ^h 17	16 ^h 26	9 ^h 25	10 ^h 42	19 ^h 27	11 ^h 33		
M26	0 44 32	9 ^h 13'08	4 ^h 8	3 ^h 8	26 ^h 2	28 ^h 8	3 ^h 23	17 ^h 1	16 ^h 56	11 ^h 15	16 ^h 27	9 ^h 18	10 ^h 39	19 ^h 34	11 ^h 38		
T 27	0 48 29	10 ^h 12'38	19 ^h 20	3 ^h 38	27 ^h 10	28 ^h 50	3 ^h 35	17 ^h 7	16 ^h 59	11 ^h 14	16 ^h 29	9 ^h 14	10 ^h 36	19 ^h 40	11 ^h 43		
W28	0 52 25	11 ^h 12'11	4 ^h II 1	4 ^h 3	28 ^h 19	29 ^h 32	3 ^h 48	17 ^h 12	17 ^h 3	11 ^h 12	16 ^h 30	9 ^h D12	10 ^h 32	19 ^h 47	11 ^h 48		
T 29	0 56 22	12 ^h 11'46	18 ^h 26	4 ^h 22	29 ^h 27	0 ^h 314	4 ^h 1	17 ^h 18	17 ^h 6	11 ^h 10	16 ^h 31	9 ^h 13	10 ^h 29	19 ^h 54	11 ^h 53		
F 30	1 0 18	13 ^h 11'24	2 ^h 32	4 ^h 135	0 ^h 36	0 ^h 356	4 ^h 13	17 ^h 23	17 ^h 10	11 ^h Y 9	16 ^h 32	9 ^h 13	10 ^h 26	20 ^h 0	11 ^h 58		

Delta T = 11m41s Julian Calendar 1 Sept. 1211 == Greg. Calendar 8 Sept. 1211

OCTOBER 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	1 4 15	14 ^h 11'04	16 ^h 17	4 ^h R40	1 ^h 45	1 ^h 39	4 ^h 26	17 ^h 29	17 ^h 13	11 ^h R 7	16 ^h 33	9 ^h R14	10 ^h 23	20 ^h 7	12 ^h 3		
S 2	1 8 11	15 ^h 10'46	29 ^h 45	4 ^h 38	2 ^h 54	2 ^h 21	4 ^h 39	17 ^h 34	17 ^h 17	11 ^h Y 5	16 ^h 35	9 ^h 13	10 ^h 20	20 ^h 14	12 ^h 8		
M 3	1 12 8	16 ^h 10'31	12 ^h 55	4 ^h 28	4 ^h 4	3 ^h 4	4 ^h 52	17 ^h 39	17 ^h 20	11 ^h 4	16 ^h 36	9 ^h 9	10 ^h 16	20 ^h 20	12 ^h 13		
T 4	1 16 4	17 ^h 10'17	25 ^h 51	4 ^h 9	5 ^h 13	3 ^h 46	5 ^h 5	17 ^h 44	17 ^h 23	11 ^h 2	16 ^h 37	9 ^h 4	10 ^h 13	20 ^h 27	12 ^h 18		
W 5	1 20 1	18 ^h 10'06	8 ^h 33	3 ^h 41	6 ^h 23	4 ^h 29	5 ^h 18	17 ^h 49	17 ^h 27	11 ^h 0	16 ^h 38	8 ^h 56	10 ^h 10	20 ^h 34	12 ^h 22		
T 6	1 23 58	19 ^h 9'58	21 ^h 3	3 ^h 4	7 ^h 33	5 ^h 12	5 ^h 31	17 ^h 54	17 ^h 30	10 ^h 59	16 ^h 39	8 ^h 47	10 ^h 7	20 ^h 40	12 ^h 27		
F 7	1 27 54	20 ^h 9'51	3 ^h 23	2 ^h 19	8 ^h 43	5 ^h 55	5 ^h 44	17 ^h 59	17 ^h 34	10 ^h 57	16 ^h 40	8 ^h 38	10 ^h 4	20 ^h 47	12 ^h 31		
S 8	1 31 51	21 ^h 9'46	15 ^h 33	1 ^h 24	9 ^h 53	6 ^h 38	5 ^h 57	18 ^h 4	17 ^h 37	10 ^h 55	16 ^h 41	8 ^h 29	10 ^h 1	20 ^h 53	12 ^h 36		
S 9	1 35 47	22 ^h 9'43	27 ^h 34	0 ^h 22	11 ^h 3	7 ^h 21	6 ^h 10	18 ^h 9	17 ^h 40	10 ^h 54	16 ^h 42	8 ^h 21	9 ^h 57	21 ^h 0	12 ^h 40		
M10	1 39 44	23 ^h 9'43	9 ^h 29	29 ^h 14	12 ^h 13	8 ^h 5	6 ^h 23	18 ^h 13	17 ^h 43	10 ^h 52	16 ^h 43	8 ^h 15	9 ^h 54	21 ^h 7	12 ^h 44		
T 11	1 43 40	24 ^h 9'44	21 ^h 18	28 ^h 0	13 ^h 24	8 ^h 48	6 ^h 36	18 ^h 18	17 ^h 47	10 ^h 50	16 ^h 44	8 ^h 11	9 ^h 51	21 ^h 13	12 ^h 48		
W12	1 47 37	25 ^h 9'47	3 ^h 4	26 ^h 44	14 ^h 34	9 ^h 31	6 ^h 49	18 ^h 22	17 ^h 50	10 ^h 49	16 ^h 45	8 ^h D 9	9 ^h 48	21 ^h 20	12 ^h 52		
T 13	1 51 33	26 ^h 9'52	14 ^h 50	25 ^h 26	15 ^h 45	10 ^h 15	7 ^h 2	18 ^h 27	17 ^h 53	10 ^h 47	16 ^h 46	8 ^h 9	9 ^h 45	21 ^h 27	12 ^h 56		
F 14	1 55 30	27 ^h 9'58	26 ^h 41	24 ^h 10	16 ^h 56	10 ^h 58	7 ^h 15	18 ^h 31	17 ^h 56	10 ^h 46	16 ^h 47	8 ^h 10	9 ^h 41	21 ^h 33	13 ^h 0		
S 15	1 59 27	28 ^h 10'07	8 ^h 340	22 ^h 58	18 ^h 7	11 ^h 42	7 ^h 28	18 ^h 35	17 ^h 59	10 ^h 44	16 ^h 47	8 ^h 12	9 ^h 38	21 ^h 40	13 ^h 4		
S 16	2 3 23	29 ^h 10'16	20 ^h 53	21 ^h 52	19 ^h 18	12 ^h 26	7 ^h 42	18 ^h 39	18 ^h 2	10 ^h 42	16 ^h 48	8 ^h 13	9 ^h 35	21 ^h 47	13 ^h 8		
M17	2 7 20	0 ^h 10'28	3 ^h 24	20 ^h 55	20 ^h 29	13 ^h 10	7 ^h 55	18 ^h 43	18 ^h 6	10 ^h 41	16 ^h 49	8 ^h R14	9 ^h 32	21 ^h 53	13 ^h 11		
T 18	2 11 16	1 ^h															

SWISS EPHEMERIS for the year 1211

NOVEMBER 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	3 6 28	15♈16'35	5♏36	26♌22	8♌31	24♈14	11♈14	19♌32	18♏47	10♁19	16♌57	7♁R49	8♁44	23♈33	13♌54
W 2	3 10 25	16°17'14	18° 8	27°37	9°44	24°58	11°27	19°35	18°50	10♁18	16°58	7♁46	8°41	23°40	13°56
T 3	3 14 21	17°17'54	0♌26	28°56	10°57	25°43	11°40	19°37	18°52	10°17	16°58	7°43	8°38	23°46	13°58
F 4	3 18 18	18°18'36	12°33	0♈17	12°10	26°28	11°54	19°40	18°54	10°15	16°58	7°40	8°35	23°53	14° 0
S 5	3 22 14	19°19'20	24°32	1°40	13°23	27°13	12° 7	19°42	18°57	10°14	16°58	7°37	8°32	24° 0	14° 2
S 6	3 26 11	20°20'05	6♈25	3° 5	14°36	27°58	12°20	19°44	18°59	10°13	16°59	7°34	8°28	24° 6	14° 3
M 7	3 30 7	21°20'52	18°14	4°31	15°49	28°42	12°33	19°46	19° 1	10°12	16°59	7°32	8°25	24°13	14° 5
T 8	3 34 4	22°21'40	0♁ 1	5°59	17° 3	29°27	12°47	19°48	19° 3	10°11	16°59	7°31	8°22	24°20	14° 6
W 9	3 38 0	23°22'29	11°49	7°27	18°16	0♈12	13° 0	19°49	19° 6	10° 9	16°59	7°D31	8°19	24°26	14° 7
T 10	3 41 57	24°23'20	23°39	8°57	19°30	0°57	13°13	19°51	19° 8	10° 8	16°59	7°32	8°16	24°33	14° 9
F 11	3 45 54	25°24'11	5♈34	10°27	20°43	1°42	13°26	19°52	19°10	10° 7	16°59	7°33	8°13	24°40	14°10
S 12	3 49 50	26°25'04	17°38	11°58	21°57	2°27	13°39	19°54	19°12	10° 6	16°R59	7°34	8° 9	24°46	14°11
S 13	3 53 47	27°25'58	29°54	13°29	23°10	3°12	13°53	19°55	19°14	10° 5	16°59	7°35	8° 6	24°53	14°12
M14	3 57 43	28°26'52	12♈25	15° 0	24°24	3°58	14° 6	19°56	19°16	10° 4	16°59	7°36	8° 3	25° 0	14°12
T 15	4 1 40	29°27'47	25°15	16°32	25°38	4°43	14°19	19°57	19°17	10° 3	16°59	7°R36	8° 0	25° 6	14°13
W16	4 5 36	0♁28'44	8♁28	18° 4	26°51	5°28	14°32	19°58	19°19	10° 2	16°59	7°36	7°57	25°13	14°14
T 17	4 9 33	1°29'40	22° 7	19°37	28° 5	6°13	14°45	19°59	19°21	10° 1	16°59	7°36	7°53	25°20	14°14
F 18	4 13 29	2°30'38	6♁12	21° 9	29°19	6°58	14°58	20° 0	19°23	10° 1	16°59	7°35	7°50	25°26	14°14
S 19	4 17 26	3°31'36	20°42	22°42	0♈33	7°43	15°11	20° 1	19°24	10° 0	16°58	7°35	7°47	25°33	14°15
S 20	4 21 23	4°32'35	5♈35	24°15	1°47	8°29	15°24	20° 1	19°26	9°59	16°58	7°34	7°44	25°39	14°15
M21	4 25 19	5°33'35	20°42	25°48	3° 1	9°14	15°37	20° 2	19°27	9°58	16°58	7°34	7°41	25°46	14°R15
T 22	4 29 16	6°34'36	5♈56	27°21	4°15	9°59	15°50	20° 2	19°29	9°57	16°58	7°D34	7°38	25°53	14°15
W23	4 33 12	7°35'37	21° 6	28°54	5°29	10°44	16° 3	20° 2	19°30	9°57	16°57	7°R34	7°34	25°59	14°14
T 24	4 37 9	8°36'40	6♈ 3	0♁27	6°43	11°30	16°15	20°R 2	19°32	9°56	16°57	7°34	7°31	26° 6	14°14
F 25	4 41 5	9°37'43	20°40	2° 0	7°57	12°15	16°28	20° 2	19°33	9°55	16°57	7°34	7°28	26°13	14°14
S 26	4 45 2	10°38'47	4♌52	3°34	9°11	13° 0	16°41	20° 2	19°34	9°55	16°56	7°34	7°25	26°19	14°13
S 27	4 48 58	11°39'52	18°36	5° 7	10°26	13°46	16°54	20° 2	19°36	9°54	16°56	7°33	7°22	26°26	14°12
M28	4 52 55	12°40'59	1♈53	6°41	11°40	14°31	17° 6	20° 1	19°37	9°53	16°55	7°33	7°19	26°33	14°12
T 29	4 56 52	13°42'05	14°45	8°15	12°54	15°16	17°19	20° 1	19°38	9°53	16°55	7°D33	7°15	26°39	14°11
W30	5 0 48	14°43'13	27♏16	9♁48	14♈ 9	16♈ 1	17♈32	20♌ 0	19♏39	9♁52	16♌54	7♁33	7♁12	26♈46	14♌10

Delta T = 11m41s

Julian Calendar 1 Nov. 1211 == Greg. Calendar 8 Nov. 1211

DECEMBER 1211 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	5 4 45	15♁44'22	9♌29	11♁22	15♈23	16♈47	17♈44	20°R 0	19♏40	9°R52	16°R54	7♁34	7♁ 9	26♈53	14°R 9
F 2	5 8 41	16°45'31	21°30	12°57	16°37	17°32	17°57	19♌59	19°41	9°R51	16♌53	7°35	7° 6	26°59	14♌ 8
S 3	5 12 38	17°46'41	3♈23	14°31	17°52	18°18	18° 9	19°58	19°42	9°51	16°53	7°36	7° 3	27° 6	14° 6
S 4	5 16 34	18°47'52	15°11	16° 6	19° 6	19° 3	18°22	19°57	19°43	9°51	16°52	7°37	6°59	27°13	14° 5
M 5	5 20 31	19°49'03	26°57	17°40	20°21	19°48	18°34	19°56	19°44	9°50	16°51	7°37	6°56	27°19	14° 4
T 6	5 24 27	20°50'15	8♁46	19°15	21°35	20°34	18°46	19°54	19°44	9°50	16°51	7°R38	6°53	27°26	14° 2
W 7	5 28 24	21°51'28	20°38	20°51	22°50	21°19	18°58	19°53	19°45	9°50	16°50	7°37	6°50	27°32	14° 0
T 8	5 32 21	22°52'40	2♈36	22°26	24° 5	22° 4	19°11	19°51	19°46	9°49	16°49	7°36	6°47	27°39	13°59
F 9	5 36 17	23°53'53	14°43	24° 2	25°19	22°50	19°23	19°50	19°46	9°49	16°48	7°34	6°44	27°46	13°57
S 10	5 40 14	24°55'06	26°59	25°38	26°34	23°35	19°35	19°48	19°47	9°49	16°48	7°31	6°40	27°52	13°55
S 11	5 44 10	25°56'18	9♌26	27°14	27°48	24°20	19°47	19°46	19°47	9°49	16°47	7°28	6°37	27°59	13°53
M12	5 48 7	26°57'31	22° 6	28°51	29° 3	25° 6	19°59	19°45	19°48	9°49	16°46	7°25	6°34	28° 6	13°50
T 13	5 52 3	27°58'44	5♁ 1	0♈27	0♁18	25°51	20°11	19°43	19°48	9°49	16°45	7°23	6°31	28°12	13°48
W14	5 56 0	28°59'56	18°13	2° 5	1°32	26°36	20°22	19°40	19°48	9°49	16°44	7°22	6°28	28°19	13°46
T 15	5 59 56	0♈ 1'08	1♁44	3°42	2°47	27°22	20°34	19°38	19°48	9°D49	16°43	7°D21	6°25	28°26	13°43
F 16	6 3 53	1° 2'20	15°34	5°20	4° 2	28° 7	20°46	19°36	19°49	9°49	16°42	7°22	6°21	28°32	13°41
S 17	6 7 50	2° 3'31	29°46	6°58	5°17	28°52	20°57	19°34	19°49	9°49	16°42	7°23	6°18	28°39	13°38
S 18	6 11 46	3° 4'42	14♈16	8°37	6°31	29°38	21° 9	19°31	19°49	9°49	16°41	7°25	6°15	28°46	13°35
M19	6 15 43	4° 5'52	29° 2	10°15	7°46	0♁23	21°20	19°28	19°R49	9°49	16°40	7°26	6°12	28°52	13°33
T 20	6 19 39	5° 7'03	13♈58	11°55	9° 1	1° 8	21°32	19°26	19°49	9°49	16°39	7°R26	6° 9	28°59	13°30
W21	6 23 36	6° 8'13	28°58	13°34	10°16	1°53	21°43	19°23	19°49	9°49	16°38	7°25	6° 5	29° 6	13°27
T 22	6 27 32	7° 9'22	13♈51	15°14	11°30	2°38	21°54	19°20	19°48	9°50	16°36	7°22	6° 2	29°12	13°24
F 23	6 31 29	8°10'32	28°31	16°54	12°45	3°24	22° 6	19°17	19°48	9°50	16°35	7°17	5°59	29°19	13°20
S 24	6 35 26	9°11'41	12♌49	18°34	14° 0	4° 9	22°17	19°14	19°48	9°50	16°34	7°12	5°56	29°25	13°17
S 25	6 39 22	10°12'50	26°42	20°14	15°15	4°54	22°28	19°11	19°48	9°51	16°33	7° 7	5°53	29°32	13°14
M26	6 43 19	11°13'58	10♏ 8	21°54	16°30	5°39	22°39	19° 8	19°47	9°51	16°32	7° 3	5°50	29°39	13°10
T 27	6 47 15	12°15'07	23° 7	23°34	17°45	6°24	22°49	19° 4	19°47	9°51	16°31	6°59	5°46	29°45	13° 7
W28	6 51 12	13°16'15	5♁42	25°14	18°59	7° 9	23° 0	19° 1	19°46	9°52	16°30	6°58	5°43	29°52	13° 3
T 29	6 55 8	14°17'23	17°58	26°54	20°14	7°54	23°11	18°57	19°46	9°52	16°28	6°D57	5°40	29°59	13° 0
F 30	6 59 5	15°18'30	29°59	28°33	21°29	8°39	23°21	18°54	19°45	9°53	16°27	6°58	5°37	0♁ 5	12°56
S 31	7 3 1	16♈19'38	11♈50	0♈12	22♁44	9♁25	23♈32	18♌50	19♏44	9°R53	16♌26	7♁ 0	5♁34	0♁12	12♌52

Delta T = 11m40s

Julian Calendar

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