

SWISS EPHEMERIS for the year 1399

JANUARY 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	7 13 40	18°57'40	3♁39	24°54	21°32	14°10	8°R 2	20°55	16°44	2°R31	2°R45	20♁ 2	18♁36	19°32	15°R50		
T 2	7 17 37	19°58'46	16° 4	25°52	22°47	14°35	7♁59	21° 1	16°47	2♁30	2♁44	20°R 3	18°33	19°39	15°849		
F 3	7 21 33	20°59'52	28°15	26°54	24° 1	14°59	7°55	21° 8	16°50	2°29	2°44	20° 3	18°30	19°46	15°48		
S 4	7 25 30	22° 0'58	10°16	27°59	25°16	15°23	7°52	21°14	16°53	2°28	2°43	20° 0	18°27	19°52	15°47		
S 5	7 29 26	23° 2'03	22°11	29° 5	26°31	15°47	7°48	21°21	16°56	2°27	2°42	19°55	18°24	19°59	15°46		
M 6	7 33 23	24° 3'07	4° 2	0°14	27°45	16°11	7°44	21°27	16°59	2°26	2°42	19°48	18°21	20° 6	15°45		
T 7	7 37 19	25° 4'11	15°52	1°26	29° 0	16°34	7°40	21°33	17° 2	2°25	2°41	19°37	18°17	20°13	15°45		
W 8	7 41 16	26° 5'14	27°43	2°38	0°14	16°57	7°36	21°40	17° 5	2°24	2°40	19°25	18°14	20°19	15°44		
T 9	7 45 13	27° 6'16	9°37	3°53	1°29	17°19	7°32	21°46	17° 8	2°23	2°40	19°11	18°11	20°26	15°44		
F 10	7 49 9	28° 7'17	21°34	5° 9	2°44	17°42	7°27	21°52	17°11	2°22	2°39	18°58	18° 8	20°33	15°43		
S 11	7 53 6	29° 8'17	3°36	6°27	3°58	18° 4	7°22	21°58	17°14	2°22	2°38	18°45	18° 5	20°39	15°43		
S 12	7 57 2	0° 9'16	15°44	7°46	5°13	18°25	7°17	22° 4	17°17	2°21	2°38	18°35	18° 1	20°46	15°43		
M13	8 0 59	1°10'13	28° 2	9° 6	6°28	18°47	7°12	22°10	17°20	2°20	2°37	18°28	17°58	20°53	15°43		
T 14	8 4 55	2°11'10	10°32	10°27	7°42	19° 8	7° 7	22°16	17°23	2°19	2°37	18°23	17°55	20°59	15°42		
W15	8 8 52	3°12'05	23°18	11°50	8°57	19°29	7° 2	22°22	17°26	2°19	2°36	18°21	17°52	21° 6	15°D42		
T 16	8 12 48	4°12'58	6°24	13°13	10°12	19°49	6°56	22°28	17°29	2°18	2°36	18°D21	17°49	21°13	15°42		
F 17	8 16 45	5°13'50	19°52	14°38	11°26	20° 9	6°50	22°34	17°31	2°18	2°35	18°R21	17°46	21°20	15°42		
S 18	8 20 42	6°14'41	3°47	16° 3	12°41	20°28	6°45	22°39	17°34	2°17	2°35	18°20	17°42	21°26	15°43		
S 19	8 24 38	7°15'31	18° 8	17°30	13°56	20°48	6°39	22°45	17°37	2°16	2°35	18°17	17°39	21°33	15°43		
M20	8 28 35	8°16'19	2°55	18°57	15°10	21° 6	6°33	22°51	17°39	2°16	2°34	18°12	17°36	21°40	15°43		
T 21	8 32 31	9°17'05	18° 1	20°26	16°25	21°25	6°26	22°56	17°42	2°15	2°34	18° 4	17°33	21°46	15°43		
W22	8 36 28	10°17'50	3°18	21°55	17°40	21°43	6°20	23° 2	17°45	2°15	2°33	17°53	17°30	21°53	15°44		
T 23	8 40 24	11°18'34	18°35	23°25	18°54	22° 1	6°14	23° 7	17°47	2°15	2°33	17°42	17°27	22° 0	15°44		
F 24	8 44 21	12°19'16	3°41	24°56	20° 9	22°18	6° 7	23°13	17°50	2°14	2°33	17°30	17°23	22° 7	15°45		
S 25	8 48 17	13°19'57	18°25	26°28	21°24	22°35	6° 0	23°18	17°52	2°14	2°32	17°20	17°20	22°13	15°46		
S 26	8 52 14	14°20'37	2°41	28° 0	22°38	22°51	5°54	23°23	17°55	2°14	2°32	17°13	17°17	22°20	15°46		
M27	8 56 11	15°21'15	16°27	29°34	23°53	23° 7	5°47	23°29	17°57	2°13	2°32	17° 8	17°14	22°27	15°47		
T 28	9 0 7	16°21'52	29°43	1° 8	25° 8	23°22	5°40	23°34	17°59	2°13	2°32	17° 6	17°11	22°33	15°48		
W29	9 4 4	17°22'29	12°32	2°43	26°22	23°37	5°33	23°39	18° 2	2°13	2°31	17° 6	17° 7	22°40	15°49		
T 30	9 8 0	18°23'04	24°59	4°19	27°37	23°52	5°26	23°44	18° 4	2°13	2°31	17° 6	17° 4	22°47	15°50		
F 31	9 11 57	19°23'37	7° 9	5°56	28°52	24° 6	5°18	23°49	18° 6	2°13	2°31	17° 5	17° 1	22°54	15°51		

Delta T = 294.16 sec. Julian Calendar 1 Jan. 1399 == Greg. Calendar 9 Jan. 1399

FEBRUARY 1399 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	9 15 53	20°24'10	19° 7	7°34	0° 7	24°19	5°R11	23°54	18° 8	2°R13	2°R31	17°R 2	16♁58	23° 0	15°852		
S 2	9 19 50	21°24'41	0°59	9°13	1°21	24°32	5°R 4	23°59	18°10	2°R13	2°R31	16♁57	16°55	23° 7	15°53		
M 3	9 23 46	22°25'11	12°48	10°53	2°36	24°45	4°56	24° 3	18°12	2°D13	2°31	16°49	16°52	23°14	15°54		
T 4	9 27 43	23°25'39	24°38	12°33	3°51	24°57	4°49	24° 8	18°14	2°13	2°31	16°38	16°48	23°20	15°56		
W 5	9 31 40	24°26'05	6°31	14°15	5° 5	25° 8	4°41	24°13	18°16	2°13	2°31	16°24	16°45	23°27	15°57		
T 6	9 35 36	25°26'30	18°30	15°57	6°20	25°19	4°33	24°17	18°18	2°13	2°31	16°10	16°42	23°34	15°58		
F 7	9 39 33	26°26'54	0°35	17°41	7°35	25°29	4°26	24°22	18°20	2°13	2°D31	15°55	16°39	23°41	16° 0		
S 8	9 43 29	27°27'15	12°47	19°25	8°49	25°39	4°18	24°26	18°22	2°13	2°31	15°42	16°36	23°47	16° 2		
S 9	9 47 26	28°27'35	25° 8	21°11	10° 4	25°48	4°10	24°30	18°24	2°13	2°31	15°31	16°32	23°54	16° 3		
M10	9 51 22	29°27'53	7°38	22°57	11°19	25°56	4° 2	24°35	18°26	2°13	2°31	15°22	16°29	24° 1	16° 5		
T 11	9 55 19	0°28'09	20°18	24°45	12°33	26° 4	3°54	24°39	18°27	2°14	2°31	15°17	16°26	24° 7	16° 7		
W12	9 59 15	1°28'22	3°11	26°33	13°48	26°11	3°47	24°43	18°29	2°14	2°31	15°15	16°23	24°14	16° 8		
T 13	10 3 12	2°28'34	16°20	28°23	15° 2	26°18	3°39	24°47	18°31	2°14	2°31	15°D14	16°20	24°21	16°10		
F 14	10 7 9	3°28'44	29°45	0°13	16°17	26°24	3°31	24°51	18°32	2°15	2°31	15°R14	16°17	24°28	16°12		
S 15	10 11 5	4°28'52	13°31	2° 5	17°32	26°29	3°23	24°55	18°34	2°15	2°31	15°14	16°13	24°34	16°14		
S 16	10 15 2	5°28'57	27°38	3°57	18°46	26°34	3°15	24°58	18°35	2°15	2°31	15°12	16°10	24°41	16°16		
M17	10 18 58	6°29'00	12° 6	5°51	20° 1	26°37	3° 7	25° 2	18°37	2°16	2°32	15° 8	16° 7	24°48	16°19		
T 18	10 22 55	7°29'01	26°51	7°45	21°15	26°41	3° 0	25° 6	18°38	2°16	2°32	15° 1	16° 4	24°54	16°21		
W19	10 26 51	8°29'00	11°48	9°41	22°30	26°43	2°52	25° 9	18°39	2°17	2°32	14°52	16° 1	25° 1	16°23		
T 20	10 30 48	9°28'57	26°48	11°37	23°45	26°45	2°44	25°13	18°40	2°17	2°32	14°42	15°58	25° 8	16°25		
F 21	10 34 44	10°28'52	11°41	13°34	24°59	26°46	2°36	25°16	18°42	2°18	2°33	14°32	15°54	25°15	16°28		
S 22	10 38 41	11°28'44	26°19	15°31	26°14	26°R47	2°29	25°19	18°43	2°19	2°33	14°23	15°51	25°21	16°30		
S 23	10 42 38	12°28'35	10°35	17°29	27°28	26°47	2°21	25°23	18°44	2°19	2°33	14°17	15°48	25°28	16°33		
M24	10 46 34	13°28'24	24°24	19°27	28°43	26°46	2°13	25°26	18°45	2°20	2°34	14°13	15°45	25°35	16°35		
T 25	10 50 31	14°28'12	7°46	21°26	29°57	26°44	2° 6	25°29	18°46	2°21	2°34	14°11	15°42	25°41	16°38		
W26	10 54 27	15°27'57	20°41	23°24	1°12	26°41	1°58	25°32	18°47	2°21	2°35	14°D11	15°38	25°48	16°41		
T 27	10 58 24	16°27'41	3°13	25°22	2°26	26°38	1°51	25°34	18°48	2°22	2°35	14°12	15°35	25°55	16°43		
F 28	11 2 20	17°27'23	15°27	27°20	3°41	26°34	1°43	25°37	18°49	2°23	2°35	14°R23	15°32	26° 2	16°46		

Delta T = 294.03 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1399

MARCH 1399 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	11 6 17	18X27'03	27A28	29X17	4X55	26R29	1°R36	25A40	18A50	2II24	2II36	14R12	15M29	26C 8	16B49
S 2	11 10 13	19°26'42	9Z22	1Y12	6°10	26A24	1M29	25°42	18°50	2°25	2°36	14M 9	15°26	26°15	16°52
M 3	11 14 10	20°26'19	21°12	3° 6	7°24	26°17	1°22	25°45	18°51	2°26	2°37	14° 5	15°23	26°22	16°55
T 4	11 18 7	21°25'53	3A 4	4°57	8°39	26°10	1°15	25°47	18°52	2°27	2°37	13°58	15°19	26°28	16°58
W 5	11 22 3	22°25'26	15° 0	6°47	9°53	26° 2	1° 8	25°49	18°52	2°28	2°38	13°50	15°16	26°35	17° 1
T 6	11 26 0	23°24'58	27° 5	8°33	11° 8	25°53	1° 1	25°52	18°53	2°29	2°39	13°40	15°13	26°42	17° 4
F 7	11 29 56	24°24'27	9X19	10°16	12°22	25°44	0°54	25°54	18°53	2°30	2°39	13°30	15°10	26°49	17° 7
S 8	11 33 53	25°23'54	21°44	11°55	13°37	25°34	0°48	25°56	18°54	2°31	2°40	13°22	15° 7	26°55	17°10
S 9	11 37 49	26°23'19	4Y21	13°30	14°51	25°23	0°41	25°58	18°54	2°32	2°40	13°14	15° 4	27° 2	17°13
M10	11 41 46	27°22'42	17° 8	15° 0	16° 5	25°11	0°35	25°59	18°54	2°33	2°41	13° 9	15° 0	27° 9	17°16
T 11	11 45 42	28°22'02	0B 8	16°25	17°20	24°58	0°29	26° 1	18°55	2°34	2°42	13° 6	14°57	27°15	17°20
W12	11 49 39	29°21'21	13°19	17°45	18°34	24°45	0°22	26° 3	18°55	2°35	2°42	13°D 5	14°54	27°22	17°23
T 13	11 53 35	0Y20'37	26°43	18°59	19°49	24°31	0°16	26° 4	18°55	2°37	2°43	13° 6	14°51	27°29	17°27
F 14	11 57 32	1°19'51	10II19	20° 7	21° 3	24°17	0°11	26° 6	18°55	2°38	2°44	13° 7	14°48	27°36	17°30
S 15	12 1 29	2°19'03	24° 8	21° 9	22°17	24° 1	0° 5	26° 7	18°55	2°39	2°45	13° 8	14°44	27°42	17°34
S 16	12 5 25	3°18'12	8B10	22° 5	23°32	23°45	29A59	26° 8	18°R55	2°40	2°45	13°R 9	14°41	27°49	17°37
M17	12 9 22	4°17'19	22°24	22°53	24°46	23°29	29°54	26° 9	18°55	2°42	2°46	13° 7	14°38	27°56	17°41
T 18	12 13 18	5°16'24	6A19	23°35	26° 0	23°11	29°49	26°10	18°55	2°43	2°47	13° 4	14°35	28° 2	17°44
W19	12 17 15	6°15'26	21°21	24°11	27°15	22°53	29°43	26°11	18°55	2°45	2°48	13° 0	14°32	28° 9	17°48
T 20	12 21 11	7°14'26	5M53	24°39	28°29	22°35	29°38	26°12	18°55	2°46	2°49	12°54	14°29	28°16	17°52
F 21	12 25 8	8°13'23	20°21	25° 0	29°43	22°16	29°34	26°13	18°55	2°47	2°49	12°49	14°25	28°23	17°55
S 22	12 29 4	9°12'19	4B37	25°15	0Y58	21°57	29°29	26°13	18°54	2°49	2°50	12°44	14°22	28°29	17°59
S 23	12 33 1	10°11'12	18°37	25°22	2°12	21°37	29°24	26°14	18°54	2°50	2°51	12°41	14°19	28°36	18° 3
M24	12 36 58	11°10'03	2M17	25°R23	3°26	21°16	29°20	26°14	18°54	2°52	2°52	12°39	14°16	28°43	18° 7
T 25	12 40 54	12° 8'53	15°34	25°18	4°40	20°56	29°16	26°15	18°53	2°53	2°53	12°D39	14°13	28°49	18°11
W26	12 44 51	13° 7'41	28°29	25° 6	5°54	20°34	29°12	26°15	18°53	2°55	2°54	12°39	14° 9	28°56	18°15
T 27	12 48 47	14° 6'26	11A 3	24°49	7° 9	20°13	29° 8	26°15	18°52	2°57	2°55	12°41	14° 6	29° 3	18°18
F 28	12 52 44	15° 5'10	23°21	24°26	8°23	19°51	29° 4	26°R15	18°52	2°58	2°56	12°43	14° 3	29°10	18°22
S 29	12 56 40	16° 3'53	5B25	23°58	9°37	19°29	29° 1	26°15	18°51	3° 0	2°57	12°44	14° 0	29°16	18°26
S 30	13 0 37	17° 2'33	17°22	23°26	10°51	19° 7	28°57	26°15	18°50	3° 1	2°58	12°R44	13°57	29°23	18°30
M31	13 4 33	18Y 1'12	29C14	22Y51	12Y 5	18A44	28A54	26A15	18A49	3II 3	2II59	12M44	13M54	29C30	18B35

Delta T = 293.91 sec. Julian Calendar 1 March 1399 == Greg. Calendar 9 March 1399

APRIL 1399 JC

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	13 8 30	18Y59'49	11A 8	22°R13	13Y20	18°R22	28°R51	26°R14	18°R49	3II 5	3II 0	12°R42	13M50	29C36	18B39
W 2	13 12 27	19°58'25	23° 7	21Y32	14°34	17A59	28A48	26A14	18A48	3° 7	3° 1	12M40	13°47	29°43	18°43
T 3	13 16 23	20°56'58	5X16	20°51	15°48	17°36	28°46	26°13	18°47	3° 8	3° 2	12°36	13°44	29°50	18°47
F 4	13 20 20	21°55'30	17°37	20° 8	17° 2	17°13	28°43	26°13	18°46	3°10	3° 3	12°33	13°41	29°57	18°51
S 5	13 24 16	22°54'00	0Y12	19°26	18°16	16°51	28°41	26°12	18°45	3°12	3° 4	12°30	13°38	0A 3	18°55
S 6	13 28 13	23°52'28	13° 3	18°45	19°30	16°28	28°39	26°11	18°44	3°14	3° 5	12°27	13°35	0°10	19° 0
M 7	13 32 9	24°50'55	26°11	18° 6	20°44	16° 6	28°37	26°10	18°43	3°16	3° 6	12°26	13°31	0°17	19° 4
T 8	13 36 6	25°49'20	9B33	17°29	21°58	15°44	28°35	26° 9	18°42	3°17	3° 7	12°D25	13°28	0°23	19° 8
W 9	13 40 2	26°47'42	23° 9	16°54	23°12	15°22	28°33	26° 8	18°41	3°19	3° 8	12°25	13°25	0°30	19°12
T 10	13 43 59	27°46'03	6II57	16°24	24°27	15° 0	28°32	26° 7	18°39	3°21	3°10	12°26	13°22	0°37	19°17
F 11	13 47 55	28°44'22	20°55	15°57	25°41	14°38	28°31	26° 5	18°38	3°23	3°11	12°27	13°19	0°44	19°21
S 12	13 51 52	29°42'38	5B 0	15°34	26°55	14°17	28°30	26° 4	18°37	3°25	3°12	12°28	13°15	0°50	19°25
S 13	13 55 49	0B40'53	19°10	15°16	28° 9	13°57	28°29	26° 3	18°36	3°27	3°13	12°29	13°12	0°57	19°30
M14	13 59 45	1°39'06	3A23	15° 2	29°23	13°37	28°28	26° 1	18°34	3°29	3°14	12°R29	13° 9	1° 4	19°34
T 15	14 3 42	2°37'16	17°37	14°53	0B37	13°17	28°28	25°59	18°33	3°31	3°15	12°29	13° 6	1°11	19°39
W16	14 7 38	3°35'24	1M49	14°D49	1°51	12°58	28°28	25°58	18°31	3°33	3°17	12°28	13° 3	1°17	19°43
T 17	14 11 35	4°33'30	15°55	14°49	3° 5	12°39	28°D28	25°56	18°30	3°35	3°18	12°27	13° 0	1°24	19°47
F 18	14 15 31	5°31'35	29°54	14°54	4°19	12°21	28°28	25°54	18°28	3°37	3°19	12°27	12°56	1°31	19°52
S 19	14 19 28	6°29'37	13A42	15° 4	5°32	12° 4	28°28	25°52	18°27	3°39	3°20	12°26	12°53	1°37	19°56
S 20	14 23 24	7°27'38	27°17	15°19	6°46	11°47	28°28	25°50	18°25	3°41	3°22	12°25	12°50	1°44	20° 1
M21	14 27 21	8°25'37	10M37	15°38	8° 0	11°31	28°29	25°47	18°23	3°43	3°23	12°D25	12°47	1°51	20° 5
T 22	14 31 18	9°23'34	23°39	16° 2	9°14	11°16	28°30	25°45	18°22	3°45	3°24	12°25	12°44	1°58	20°10
W23	14 35 14	10°21'30	6A26	16°30	10°28	11° 1	28°31	25°43	18°20	3°47	3°25	12°26	12°40	2° 4	20°14
T 24	14 39 11	11°19'24	18°56	17° 2	11°42	10°47	28°32	25°40	18°18	3°49	3°27	12°26	12°37	2°11	20°19
F 25	14 43 7	12°17'17	1C12	17°38	12°56	10°33	28°34	25°38	18°16	3°51	3°28	12°R26	12°34	2°18	20°24
S 26	14 47 4	13°15'09	13°17	18°18	14°10	10°21	28°35	25°35	18°15	3°53	3°29	12°26	12°31	2°24	20°28
S 27	14 51 0	14°12'59	25°14	19° 1	15°24	10° 9	28°37	25°33	18°13	3°56	3°31	12°26	12°28	2°31	20°33
M28	14 54 57	15°10'48	7A 8	19°49	16°37	9°58	28°39	25°30	18°11	3°58	3°32	12°25	12°25	2°38	20°37
T 29	14 58 53	16° 8'36	19° 2	20°39	17°51	9°48	28°41	25°27	18° 9	4° 0	3°33	12°D25	12°21	2°45	20°42
W30	15 2 50	17B 6'23	1X 2	21Y33	19B 5	9A38	28A43	25A24	18A 7	4II 2	3II35	12M26	12M18	2A51	20B46

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SWISS EPHEMERIS for the year 1399

MAY 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
T 1	15 6 47	18♄ 4'08	13♋11	22♃31	20♂19	9°R29	28♄45	25°R21	18°R 5	4♃ 4	3♂36	12♌26	12♌15	2♃58	20♂51	
F 2	15 10 43	19° 1'53	25°35	23°31	21°33	9♂22	28°48	25♂18	18♂ 3	4° 6	3°37	12°27	12°12	3° 5	20°56	
S 3	15 14 40	19°59'36	8♃16	24°35	22°47	9°14	28°51	25°15	18° 1	4° 9	3°39	12°27	12° 9	3°11	21° 0	
S 4	15 18 36	20°57'18	21°16	25°41	24° 0	9° 8	28°54	25°12	17°59	4°11	3°40	12°28	12° 6	3°18	21° 5	
M 5	15 22 33	21°54'59	4♂38	26°50	25°14	9° 3	28°57	25° 8	17°57	4°13	3°41	12°28	12° 2	3°25	21° 9	
T 6	15 26 29	22°52'38	18°20	28° 3	26°28	8°58	29° 0	25° 5	17°55	4°15	3°43	12°R28	11°59	3°32	21°14	
W 7	15 30 26	23°50'17	2♂21	29°18	27°42	8°54	29° 4	25° 2	17°53	4°17	3°44	12°28	11°56	3°38	21°19	
T 8	15 34 22	24°47'54	16°37	0♂35	28°56	8°51	29° 7	24°58	17°50	4°20	3°45	12°27	11°53	3°45	21°23	
F 9	15 38 19	25°45'30	1♂ 2	1°55	0♂ 9	8°49	29°11	24°55	17°48	4°22	3°47	12°25	11°50	3°52	21°28	
S 10	15 42 16	26°43'04	15°32	3°18	1°23	8°48	29°15	24°51	17°46	4°24	3°48	12°24	11°46	3°59	21°32	
S 11	15 46 12	27°40'38	0♂ 1	4°44	2°37	8°D47	29°19	24°48	17°44	4°26	3°49	12°22	11°43	4° 5	21°37	
M12	15 50 9	28°38'09	14°24	6°11	3°51	8°47	29°23	24°44	17°41	4°28	3°51	12°21	11°40	4°12	21°42	
T 13	15 54 5	29°35'39	28°38	7°42	5° 4	8°48	29°28	24°40	17°39	4°31	3°52	12°D21	11°37	4°19	21°46	
W14	15 58 2	0♂33'08	12♃40	9°15	6°18	8°50	29°32	24°36	17°37	4°33	3°54	12°21	11°34	4°25	21°51	
T 15	16 1 58	1°30'35	26°30	10°50	7°32	8°53	29°37	24°32	17°35	4°35	3°55	12°22	11°31	4°32	21°55	
F 16	16 5 55	2°28'02	10♂ 6	12°28	8°45	8°56	29°42	24°29	17°32	4°37	3°56	12°23	11°27	4°39	22° 0	
S 17	16 9 51	3°25'26	23°28	14° 9	9°59	9° 0	29°47	24°25	17°30	4°40	3°58	12°25	11°24	4°46	22° 4	
S 18	16 13 48	4°22'50	6♌38	15°52	11°13	9° 5	29°52	24°21	17°28	4°42	3°59	12°R25	11°21	4°52	22° 9	
M19	16 17 45	5°20'13	19°34	17°37	12°26	9°10	29°58	24°17	17°25	4°44	4° 0	12°25	11°18	4°59	22°13	
T 20	16 21 41	6°17'35	2♂18	19°25	13°40	9°16	0♂ 3	24°13	17°23	4°46	4° 2	12°24	11°15	5° 6	22°18	
W21	16 25 38	7°14'56	14°50	21°15	14°54	9°23	0° 9	24° 9	17°20	4°49	4° 3	12°22	11°12	5°13	22°22	
T 22	16 29 34	8°12'16	27°11	23° 8	16° 7	9°31	0°15	24° 4	17°18	4°51	4° 5	12°18	11° 8	5°19	22°27	
F 23	16 33 31	9° 9'35	9♂21	25° 2	17°21	9°39	0°21	24° 0	17°16	4°53	4° 6	12°14	11° 5	5°26	22°31	
S 24	16 37 27	10° 6'54	21°23	27° 0	18°35	9°48	0°27	23°56	17°13	4°55	4° 7	12° 9	11° 2	5°33	22°36	
S 25	16 41 24	11° 4'12	3♃19	28°59	19°48	9°58	0°33	23°52	17°11	4°58	4° 9	12° 5	10°59	5°39	22°40	
M26	16 45 20	12° 1'29	15°12	1♂ 0	21° 2	10° 8	0°39	23°48	17° 8	5° 0	4°10	12° 1	10°56	5°46	22°45	
T 27	16 49 17	12°58'47	27° 5	3° 4	22°16	10°19	0°46	23°43	17° 6	5° 2	4°11	11°59	10°52	5°53	22°49	
W28	16 53 14	13°56'03	9♂ 4	5° 9	23°29	10°31	0°52	23°39	17° 3	5° 4	4°13	11°D57	10°49	6° 0	22°53	
T 29	16 57 10	14°53'19	21°11	7°16	24°43	10°43	0°59	23°35	17° 1	5° 7	4°14	11°58	10°46	6° 6	22°58	
F 30	17 1 7	15°50'35	3♃33	9°24	25°56	10°56	1° 6	23°30	16°59	5° 9	4°15	11°59	10°43	6°13	23° 2	
S 31	17 5 3	16♂47'51	16♃14	11♂34	27♂10	11♂ 9	1♂13	23♂26	16♂56	5♂11	4♂17	12♌ 0	10♌40	6♃20	23♂ 7	

Delta T = 293.65 sec. Julian Calendar 1 May 1399 == Greg. Calendar 9 May 1399

JUNE 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
S 1	17 9 0	17♂45'06	29♃17	13♂44	28♂24	11♂23	1♂20	23°R22	16°R54	5♂13	4♂18	12♌ 2	10♌37	6♃26	23♂11	
M 2	17 12 56	18°42'21	12♂44	15°55	29°37	11°38	1°28	23♂17	16♂51	5°15	4°19	12°R 2	10°33	6°33	23°15	
T 3	17 16 53	19°39'36	26°38	18° 7	0♂51	11°53	1°35	23°13	16°49	5°18	4°21	12° 1	10°30	6°40	23°19	
W 4	17 20 49	20°36'51	10♂56	20°18	2° 4	12° 8	1°43	23° 8	16°46	5°20	4°22	11°59	10°27	6°47	23°24	
T 5	17 24 46	21°34'05	25°33	22°30	3°18	12°25	1°50	23° 4	16°44	5°22	4°24	11°54	10°24	6°53	23°28	
F 6	17 28 43	22°31'19	10♂24	24°41	4°32	12°42	1°58	23° 0	16°41	5°24	4°25	11°49	10°21	7° 0	23°32	
S 7	17 32 39	23°28'33	25°20	26°51	5°45	12°59	2° 6	22°55	16°39	5°26	4°26	11°43	10°18	7° 7	23°36	
S 8	17 36 36	24°25'45	10♂12	29° 1	6°59	13°17	2°14	22°51	16°37	5°28	4°27	11°37	10°14	7°14	23°40	
M 9	17 40 32	25°22'58	24°52	1♂ 9	8°12	13°35	2°22	22°46	16°34	5°31	4°29	11°32	10°11	7°20	23°45	
T 10	17 44 29	26°20'10	9♂16	3°16	9°26	13°54	2°30	22°42	16°32	5°33	4°30	11°29	10° 8	7°27	23°49	
W11	17 48 25	27°17'21	23°20	5°22	10°40	14°13	2°39	22°38	16°29	5°35	4°31	11°D28	10° 5	7°34	23°53	
T 12	17 52 22	28°14'32	7♂ 3	7°26	11°53	14°33	2°47	22°33	16°27	5°37	4°33	11°28	10° 2	7°40	23°57	
F 13	17 56 18	29°11'42	20°26	9°28	13° 7	14°53	2°56	22°29	16°25	5°39	4°34	11°29	9°58	7°47	24° 1	
S 14	18 0 15	0♂ 8'52	3♌32	11°29	14°20	15°14	3° 5	22°25	16°22	5°41	4°35	11°30	9°55	7°54	24° 5	
S 15	18 4 12	1° 6'02	16°22	13°27	15°34	15°35	3°13	22°20	16°20	5°43	4°36	11°R31	9°52	8° 1	24° 9	
M16	18 8 8	2° 3'11	29° 0	15°24	16°47	15°57	3°22	22°16	16°18	5°45	4°38	11°29	9°49	8° 7	24°13	
T 17	18 12 5	3° 0'20	11♂26	17°19	18° 1	16°19	3°31	22°12	16°15	5°47	4°39	11°25	9°46	8°14	24°16	
W18	18 16 1	3°57'30	23°44	19°12	19°14	16°42	3°40	22° 7	16°13	5°49	4°40	11°19	9°43	8°21	24°20	
T 19	18 19 58	4°54'39	5♂53	21° 3	20°28	17° 5	3°50	22° 3	16°11	5°51	4°41	11°11	9°39	8°28	24°24	
F 20	18 23 54	5°51'48	17°56	22°52	21°41	17°28	3°59	21°59	16° 8	5°53	4°43	11° 2	9°36	8°34	24°28	
S 21	18 27 51	6°48'58	29°53	24°39	22°55	17°52	4° 8	21°55	16° 6	5°55	4°44	10°51	9°33	8°41	24°32	
S 22	18 31 47	7°46'08	11♃46	26°23	24° 8	18°16	4°18	21°50	16° 4	5°57	4°45	10°41	9°30	8°48	24°35	
M23	18 35 44	8°43'18	23°38	28° 6	25°21	18°40	4°28	21°46	16° 2	5°59	4°46	10°32	9°27	8°54	24°39	
T 24	18 39 41	9°40'28	5♂31	29°47	26°35	19° 5	4°37	21°42	16° 0	6° 1	4°47	10°25	9°24	9° 1	24°43	
W25	18 43 37	10°37'39	17°29	1♂26	27°48	19°30	4°47	21°38	15°57	6° 3	4°48	10°20	9°20	9° 8	24°46	
T 26	18 47 34	11°34'50	29°35	3° 3	29° 2	19°56	4°57	21°34	15°55	6° 5	4°50	10°17	9°17	9°15	24°50	
F 27	18 51 30	12°32'02	11♃54	4°37	0♂15	20°22	5° 7	21°30	15°53	6° 7	4°51	10°D17	9°14	9°21	24°53	
S 28	18 55 27	13°29'15	24°30	6°10	1°29	20°48	5°17	21°26	15°51	6° 9	4°52	10°17	9°11	9°28	24°57	
S 29	18 59 23	14°26'28	7♂30	7°41	2°42	21°15	5°27	21°22	15°49	6°11	4°53	10°R17	9° 8	9°35	25° 0	
M30	19 3 20	15♂23'42	20♂55	9♂10	3♂55	21♂42	5♂37	21♂19	15♂47	6♂12	4♂54	10♌17	9♌ 4	9♃41	25♂ 3	

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SWISS EPHEMERIS for the year 1399

JULY 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	19 7 16	16 ³⁰ 20'56	4 ^{II} 50	10 ^Ω 36	5 ^Ω 9	22 ^Ω 9	5 [♁] 48	21 [°] R15	15 [°] R45	6 ^{II} 14	4 ^{II} 55	10 [°] R15	9 [♁] 1	9 [≈] 48	25 [♁] 7	
W 2	19 11 13	17 [°] 18'12	19 [°] 12	12 [°] 1	6 [°] 22	22 [°] 37	5 [°] 58	21 [°] 11	15 [°] 43	6 [°] 16	4 [°] 56	10 [°] 10	8 [°] 58	9 [°] 55	25 [°] 10	
T 3	19 15 10	18 [°] 15'28	4 ^Ω 0	13 [°] 23	7 [°] 36	23 [°] 5	6 [°] 9	21 [°] 7	15 [°] 41	6 [°] 18	4 [°] 57	10 [°] 3	8 [°] 55	10 [°] 2	25 [°] 13	
F 4	19 19 6	19 [°] 12'45	19 [°] 5	14 [°] 44	8 [°] 49	23 [°] 33	6 [°] 19	21 [°] 4	15 [°] 39	6 [°] 20	4 [°] 58	9 [°] 54	8 [°] 52	10 [°] 8	25 [°] 17	
S 5	19 23 3	20 [°] 10'02	4 ^Ω 19	16 [°] 2	10 [°] 2	24 [°] 2	6 [°] 30	21 [°] 0	15 [°] 37	6 [°] 21	4 [°] 59	9 [°] 44	8 [°] 49	10 [°] 15	25 [°] 20	
S 6	19 26 59	21 [°] 7'20	19 [°] 31	17 [°] 17	11 [°] 16	24 [°] 31	6 [°] 41	20 [°] 57	15 [°] 35	6 [°] 23	5 [°] 0	9 [°] 35	8 [°] 45	10 [°] 22	25 [°] 23	
M 7	19 30 56	22 [°] 4'38	4 [♁] 29	18 [°] 31	12 [°] 29	25 [°] 0	6 [°] 51	20 [°] 53	15 [°] 34	6 [°] 25	5 [°] 1	9 [°] 26	8 [°] 42	10 [°] 29	25 [°] 26	
T 8	19 34 52	23 [°] 1'56	19 [°] 7	19 [°] 42	13 [°] 42	25 [°] 30	7 [°] 2	20 [°] 50	15 [°] 32	6 [°] 26	5 [°] 2	9 [°] 20	8 [°] 39	10 [°] 35	25 [°] 29	
W 9	19 38 49	23 [°] 59'15	3 ^Ω 20	20 [°] 51	14 [°] 56	26 [°] 0	7 [°] 13	20 [°] 46	15 [°] 30	6 [°] 28	5 [°] 3	9 [°] 17	8 [°] 36	10 [°] 42	25 [°] 32	
T 10	19 42 45	24 [°] 56'35	17 [°] 6	21 [°] 57	16 [°] 9	26 [°] 30	7 [°] 24	20 [°] 43	15 [°] 28	6 [°] 30	5 [°] 4	9 [°] 15	8 [°] 33	10 [°] 49	25 [°] 35	
F 11	19 46 42	25 [°] 53'54	0 [♁] 27	23 [°] 0	17 [°] 22	27 [°] 0	7 [°] 35	20 [°] 40	15 [°] 27	6 [°] 31	5 [°] 5	9 [°] D15	8 [°] 30	10 [°] 55	25 [°] 38	
S 12	19 50 39	26 [°] 51'15	13 [°] 26	24 [°] 1	18 [°] 36	27 [°] 31	7 [°] 46	20 [°] 37	15 [°] 25	6 [°] 33	5 [°] 6	9 [°] R15	8 [°] 26	11 [°] 2	25 [°] 40	
S 13	19 54 35	27 [°] 48'36	26 [°] 6	24 [°] 59	19 [°] 49	28 [°] 2	7 [°] 58	20 [°] 34	15 [°] 23	6 [°] 35	5 [°] 7	9 [°] 14	8 [°] 23	11 [°] 9	25 [°] 43	
M14	19 58 32	28 [°] 45'57	8 [♁] 31	25 [°] 54	21 [°] 2	28 [°] 33	8 [°] 9	20 [°] 31	15 [°] 22	6 [°] 36	5 [°] 8	9 [°] 11	8 [°] 20	11 [°] 16	25 [°] 46	
T 15	20 2 28	29 [°] 43'20	20 [°] 46	26 [°] 46	22 [°] 16	29 [°] 5	8 [°] 20	20 [°] 28	15 [°] 20	6 [°] 38	5 [°] 9	9 [°] 6	8 [°] 17	11 [°] 22	25 [°] 49	
W16	20 6 25	0 ^Ω 40'43	2 ^Ω 52	27 [°] 34	23 [°] 29	29 [°] 36	8 [°] 32	20 [°] 25	15 [°] 19	6 [°] 39	5 [°] 10	8 [°] 58	8 [°] 14	11 [°] 29	25 [°] 51	
T 17	20 10 21	1 [°] 38'07	14 [°] 52	28 [°] 20	24 [°] 42	0 [♁] 8	8 [°] 43	20 [°] 22	15 [°] 17	6 [°] 41	5 [°] 11	8 [°] 47	8 [°] 10	11 [°] 36	25 [°] 54	
F 18	20 14 18	2 [°] 35'31	26 [°] 49	29 [°] 1	25 [°] 55	0 [°] 41	8 [°] 55	20 [°] 20	15 [°] 16	6 [°] 42	5 [°] 11	8 [°] 34	8 [°] 7	11 [°] 43	25 [°] 56	
S 19	20 18 15	3 [°] 32'57	8 [≈] 42	29 [°] 39	27 [°] 8	1 [°] 13	9 [°] 6	20 [°] 17	15 [°] 15	6 [°] 43	5 [°] 12	8 [°] 20	8 [°] 4	11 [°] 49	25 [°] 59	
S 20	20 22 11	4 [°] 30'24	20 [°] 35	0 [♁] 13	28 [°] 22	1 [°] 46	9 [°] 18	20 [°] 14	15 [°] 13	6 [°] 45	5 [°] 13	8 [°] 6	8 [°] 1	11 [°] 56	26 [°] 1	
M21	20 26 8	5 [°] 27'51	2 [♁] 27	0 [°] 43	29 [°] 35	2 [°] 19	9 [°] 30	20 [°] 12	15 [°] 12	6 [°] 46	5 [°] 14	7 [°] 54	7 [°] 58	12 [°] 3	26 [°] 3	
T 22	20 30 4	6 [°] 25'20	14 [°] 22	1 [°] 9	0 [♁] 48	2 [°] 52	9 [°] 41	20 [°] 10	15 [°] 11	6 [°] 47	5 [°] 15	7 [°] 44	7 [°] 55	12 [°] 9	26 [°] 6	
W23	20 34 1	7 [°] 22'50	26 [°] 22	1 [°] 30	2 [°] 1	3 [°] 25	9 [°] 53	20 [°] 7	15 [°] 10	6 [°] 49	5 [°] 15	7 [°] 36	7 [°] 51	12 [°] 16	26 [°] 8	
T 24	20 37 57	8 [°] 20'22	8 [°] 29	1 [°] 46	3 [°] 14	3 [°] 59	10 [°] 5	20 [°] 5	15 [°] 8	6 [°] 50	5 [°] 16	7 [°] 32	7 [°] 48	12 [°] 23	26 [°] 10	
F 25	20 41 54	9 [°] 17'55	20 [°] 48	1 [°] 58	4 [°] 27	4 [°] 33	10 [°] 17	20 [°] 3	15 [°] 7	6 [°] 51	5 [°] 17	7 [°] 29	7 [°] 45	12 [°] 30	26 [°] 12	
S 26	20 45 50	10 [°] 15'29	3 [♁] 23	2 [°] 4	5 [°] 40	5 [°] 7	10 [°] 29	20 [°] 1	15 [°] 6	6 [°] 53	5 [°] 17	7 [°] 29	7 [°] 42	12 [°] 36	26 [°] 14	
S 27	20 49 47	11 [°] 13'05	16 [°] 18	2 [°] R 5	6 [°] 53	5 [°] 41	10 [°] 41	19 [°] 59	15 [°] 5	6 [°] 54	5 [°] 18	7 [°] 29	7 [°] 39	12 [°] 43	26 [°] 16	
M28	20 53 43	12 [°] 10'43	29 [°] 38	2 [°] 1	8 [°] 6	6 [°] 16	10 [°] 53	19 [°] 57	15 [°] 4	6 [°] 55	5 [°] 19	7 [°] 28	7 [°] 35	12 [°] 50	26 [°] 18	
T 29	20 57 40	13 [°] 8'22	13 ^{II} 26	1 [°] 51	9 [°] 19	6 [°] 50	11 [°] 5	19 [°] 55	15 [°] 3	6 [°] 56	5 [°] 19	7 [°] 26	7 [°] 32	12 [°] 56	26 [°] 20	
W30	21 1 37	14 [°] 6'03	27 [°] 42	1 [°] 35	10 [°] 32	7 [°] 25	11 [°] 17	19 [°] 54	15 [°] 2	6 [°] 57	5 [°] 20	7 [°] 21	7 [°] 29	13 [°] 3	26 [°] 22	
T 31	21 5 33	15 ^Ω 3'45	12 ^Ω 25	1 [♁] 14	11 [♁] 45	8 [♁] 0	11 [♁] 30	19 [°] 52	15 [°] 2	6 ^{II} 58	5 ^{II} 20	7 [♁] 13	7 [♁] 26	13 [≈] 10	26 [♁] 23	

Delta T = 293.38 sec. Julian Calendar 1 July 1399 == Greg. Calendar 9 July 1399

AUGUST 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
F 1	21 9 30	16 ^Ω 1'29	27 ^Ω 30	0 [°] R48	12 [♁] 58	8 [♁] 36	11 [♁] 42	19 [°] R50	15 [°] R 1	6 ^{II} 59	5 ^{II} 21	7 [°] R 4	7 [♁] 23	13 [≈] 17	26 [♁] 25	
S 2	21 13 26	16 [°] 59'14	12 ^Ω 48	0 [♁] 16	14 [°] 11	9 [°] 11	11 [°] 54	19 [°] 49	15 [°] 0	7 [°] 0	5 [°] 22	6 [♁] 53	7 [°] 20	13 [°] 23	26 [°] 27	
S 3	21 17 23	17 [°] 57'00	28 [°] 6	29 ^Ω 39	15 [°] 24	9 [°] 47	12 [°] 6	19 [°] 48	14 [°] 59	7 [°] 1	5 [°] 22	6 [°] 43	7 [°] 16	13 [°] 30	26 [°] 28	
M 4	21 21 19	18 [°] 54'48	13 [♁] 15	28 [°] 57	16 [°] 37	10 [°] 23	12 [°] 19	19 [°] 46	14 [°] 59	7 [°] 2	5 [°] 23	6 [°] 34	7 [°] 13	13 [°] 37	26 [°] 30	
T 5	21 25 16	19 [°] 52'38	28 [°] 4	28 [°] 12	17 [°] 50	10 [°] 59	12 [°] 31	19 [°] 45	14 [°] 58	7 [°] 3	5 [°] 23	6 [°] 27	7 [°] 10	13 [°] 44	26 [°] 31	
W 6	21 29 12	20 [°] 50'28	12 ^Ω 26	27 [°] 23	19 [°] 3	11 [°] 35	12 [°] 44	19 [°] 44	14 [°] 58	7 [°] 4	5 [°] 24	6 [°] 23	7 [°] 7	13 [°] 50	26 [°] 32	
T 7	21 33 9	21 [°] 48'20	26 [°] 20	26 [°] 31	20 [°] 16	12 [°] 12	12 [°] 56	19 [°] 43	14 [°] 57	7 [°] 5	5 [°] 24	6 [°] 21	7 [°] 4	13 [°] 57	26 [°] 34	
F 8	21 37 6	22 [°] 46'13	9 [♁] 46	25 [°] 37	21 [°] 29	12 [°] 48	13 [°] 9	19 [°] 42	14 [°] 57	7 [°] 6	5 [°] 25	6 [°] D21	7 [°] 1	14 [°] 4	26 [°] 35	
S 9	21 41 2	23 [°] 44'07	22 [°] 46	24 [°] 42	22 [°] 42	13 [°] 25	13 [°] 21	19 [°] 42	14 [°] 56	7 [°] 7	5 [°] 25	6 [°] R21	6 [°] 57	14 [°] 10	26 [°] 36	
S 10	21 44 59	24 [°] 42'03	5 [♁] 25	23 [°] 48	23 [°] 54	14 [°] 2	13 [°] 34	19 [°] 41	14 [°] 56	7 [°] 7	5 [°] 25	6 [°] 20	6 [°] 54	14 [°] 17	26 [°] 37	
M11	21 48 55	25 [°] 40'00	17 [°] 46	22 [°] 56	25 [°] 7	14 [°] 40	13 [°] 46	19 [°] 40	14 [°] 56	7 [°] 8	5 [°] 26	6 [°] 18	6 [°] 51	14 [°] 24	26 [°] 38	
T 12	21 52 52	26 [°] 37'58	29 [°] 55	22 [°] 6	26 [°] 20	15 [°] 17	13 [°] 59	19 [°] 40	14 [°] 55	7 [°] 9	5 [°] 26	6 [°] 14	6 [°] 48	14 [°] 31	26 [°] 39	
W13	21 56 48	27 [°] 35'58	11 ^Ω 56	21 [°] 19	27 [°] 33	15 [°] 54	14 [°] 12	19 [°] 40	14 [°] 55	7 [°] 10	5 [°] 26	6 [°] 7	6 [°] 45	14 [°] 37	26 [°] 40	
T 14	22 0 45	28 [°] 33'59	23 [°] 51	20 [°] 38	28 [°] 45	16 [°] 32	14 [°] 24	19 [°] 39	14 [°] 55	7 [°] 10	5 [°] 27	5 [°] 57	6 [°] 41	14 [°] 44	26 [°] 41	
F 15	22 4 41	29 [°] 32'02	5 [≈] 44	20 [°] 2	29 [°] 58	17 [°] 10	14 [°] 37	19 [°] 39	14 [°] 55	7 [°] 11	5 [°] 27	5 [°] 46	6 [°] 38	14 [°] 51	26 [°] 42	
S 16	22 8 38	0 [♁] 30'06	17 [°] 36	19 [°] 33	1 ^Ω 11	17 [°] 48	14 [°] 50	19 [°] 39	14 [°] D55	7 [°] 11	5 [°] 27	5 [°] 33	6 [°] 35	14 [°] 58	26 [°] 42	
S 17	22 12 35	1 [°] 28'12	29 [°] 30	19 [°] 11	2 [°] 23	18 [°] 26										

SWISS EPHEMERIS for the year 1399

SEPTEMBER 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	23 11 43	16♍ 3'36	21♍31	29♄59	20♄29	28♍17	18♍16	19♄51	15♄ 1	7♁16	5°R29	4°R15	5♍44	16♄45	26°R44
T 2	23 15 39	17° 2'14	6♄20	1♍34	21°41	28°57	18°29	19°52	15° 2	7°R16	5♁28	4♍10	5°41	16°52	26♄44
W 3	23 19 36	18° 0'54	20°46	3°12	22°53	29°38	18°42	19°54	15° 3	7°16	5°28	4° 7	5°38	16°58	26°43
T 4	23 23 33	18°59'36	4♍46	4°52	24° 6	0♄19	18°55	19°55	15° 4	7°16	5°28	4°D 7	5°35	17° 5	26°42
F 5	23 27 29	19°58'20	18°18	6°36	25°18	1° 0	19° 8	19°57	15° 5	7°16	5°28	4° 7	5°32	17°12	26°42
S 6	23 31 26	20°57'05	1♄24	8°21	26°30	1°41	19°21	19°59	15° 6	7°16	5°28	4° 9	5°28	17°19	26°41
S 7	23 35 22	21°55'53	14° 6	10° 8	27°42	2°22	19°34	20° 1	15° 7	7°16	5°28	4°10	5°25	17°25	26°40
M 8	23 39 19	22°54'42	26°29	11°55	28°54	3° 3	19°47	20° 3	15° 8	7°16	5°27	4°R10	5°22	17°32	26°39
T 9	23 43 15	23°53'32	8♄38	13°44	0♍ 5	3°44	20° 0	20° 6	15° 9	7°16	5°27	4° 9	5°19	17°39	26°38
W10	23 47 12	24°52'25	20°37	15°33	1°17	4°26	20°13	20° 8	15°10	7°15	5°27	4° 6	5°16	17°46	26°37
T11	23 51 8	25°51'19	2♄31	17°22	2°29	5° 7	20°26	20°10	15°12	7°15	5°27	4° 1	5°12	17°52	26°36
F12	23 55 5	26°50'15	14°23	19°12	3°41	5°49	20°39	20°13	15°13	7°15	5°26	3°55	5° 9	17°59	26°35
S13	23 59 1	27°49'13	26°17	21° 1	4°53	6°31	20°52	20°15	15°14	7°14	5°26	3°48	5° 6	18° 6	26°34
S14	0 2 58	28°48'13	8♁14	22°50	6° 4	7°13	21° 5	20°18	15°16	7°14	5°26	3°42	5° 3	18°12	26°33
M15	0 6 55	29°47'14	20°18	24°39	7°16	7°55	21°18	20°21	15°17	7°14	5°25	3°36	5° 0	18°19	26°31
T16	0 10 51	0♄46'18	2♁29	26°27	8°28	8°37	21°31	20°24	15°19	7°13	5°25	3°31	4°57	18°26	26°30
W17	0 14 48	1°45'24	14°49	28°14	9°39	9°19	21°44	20°26	15°20	7°13	5°24	3°28	4°53	18°33	26°28
T18	0 18 44	2°44'32	27°18	0♄ 1	10°51	10° 2	21°56	20°30	15°22	7°12	5°24	3°D27	4°50	18°39	26°27
F19	0 22 41	3°43'42	9♄59	1°47	12° 2	10°44	22° 9	20°33	15°24	7°12	5°24	3°27	4°47	18°46	26°25
S20	0 26 37	4°42'55	22°53	3°33	13°14	11°27	22°22	20°36	15°25	7°11	5°23	3°28	4°44	18°53	26°24
S21	0 30 34	5°42'09	6♁ 0	5°18	14°25	12° 9	22°35	20°39	15°27	7°10	5°23	3°29	4°41	18°59	26°22
M22	0 34 30	6°41'27	19°23	7° 2	15°36	12°52	22°48	20°42	15°29	7°10	5°22	3°31	4°38	19° 6	26°20
T23	0 38 27	7°40'46	3♄ 3	8°45	16°48	13°35	23° 1	20°46	15°31	7° 9	5°22	3°R32	4°34	19°13	26°18
W24	0 42 24	8°40'08	17° 1	10°28	17°59	14°18	23°13	20°49	15°33	7° 8	5°21	3°31	4°31	19°20	26°16
T25	0 46 20	9°39'32	1♁16	12°10	19°10	15° 1	23°26	20°53	15°35	7° 8	5°20	3°30	4°28	19°26	26°14
F26	0 50 17	10°38'59	15°46	13°51	20°21	15°44	23°39	20°57	15°37	7° 7	5°20	3°28	4°25	19°33	26°12
S27	0 54 13	11°38'28	0♍27	15°32	21°32	16°27	23°52	21° 0	15°39	7° 6	5°19	3°25	4°22	19°40	26°10
S28	0 58 10	12°37'59	15°12	17°11	22°43	17°11	24° 4	21° 4	15°41	7° 5	5°19	3°22	4°18	19°46	26° 8
M29	1 2 6	13°37'32	29°55	18°50	23°54	17°54	24°17	21° 8	15°43	7° 5	5°18	3°20	4°15	19°53	26° 6
T30	1 6 3	14♄37'08	14♄29	20♄29	25♍ 5	18♄37	24♍29	21♄12	15♄45	7♁ 4	5♁17	3♍18	4♍12	20♄ 0	26♄ 4

Delta T = 293.12 sec. Julian Calendar 1 Sept. 1399 == Greg. Calendar 9 Sept. 1399

OCTOBER 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	1 9 59	15♄36'45	28♄46	22♄ 6	26♍16	19♄21	24♍42	21♄16	15♄47	7°R 3	5°R17	3♍17	4♍ 9	20♄ 7	26°R 1
T 2	1 13 56	16°36'25	12♍42	23°44	27°27	20° 5	24°55	21°21	15°49	7°R 2	5°R16	3°17	4° 6	20°13	25♄59
F 3	1 17 53	17°36'06	26°15	25°20	28°38	20°49	25° 7	21°25	15°52	7° 1	5°15	3°18	4° 3	20°20	25°57
S 4	1 21 49	18°35'50	9♄24	26°56	29°48	21°32	25°19	21°29	15°54	7° 0	5°15	3°19	3°59	20°27	25°54
S 5	1 25 46	19°35'35	22°11	28°31	0♄59	22°16	25°32	21°34	15°56	6°59	5°14	3°21	3°56	20°33	25°52
M 6	1 29 42	20°35'22	4♄38	0♍ 6	2° 9	23° 0	25°44	21°38	15°59	6°58	5°13	3°22	3°53	20°40	25°49
T 7	1 33 39	21°35'10	16°49	1°40	3°20	23°45	25°57	21°43	16° 1	6°57	5°12	3°R22	3°50	20°47	25°47
W 8	1 37 35	22°35'01	28°50	3°13	4°30	24°29	26° 9	21°47	16° 4	6°56	5°11	3°22	3°47	20°54	25°44
T 9	1 41 32	23°34'53	10♄44	4°46	5°41	25°13	26°21	21°52	16° 6	6°55	5°11	3°21	3°44	21° 0	25°41
F10	1 45 28	24°34'46	22°36	6°19	6°51	25°57	26°33	21°57	16° 9	6°53	5°10	3°21	3°40	21° 7	25°39
S11	1 49 25	25°34'42	4♁31	7°51	8° 1	26°42	26°46	22° 1	16°11	6°52	5° 9	3°20	3°37	21°14	25°36
S12	1 53 22	26°34'39	16°32	9°22	9°11	27°26	26°58	22° 6	16°14	6°51	5° 8	3°18	3°34	21°20	25°33
M13	1 57 18	27°34'38	28°42	10°53	10°21	28°11	27°10	22°11	16°17	6°50	5° 7	3°18	3°31	21°27	25°30
T14	2 1 15	28°34'38	11♁ 3	12°24	11°31	28°55	27°22	22°16	16°19	6°49	5° 6	3°17	3°28	21°34	25°27
W15	2 5 11	29°34'41	23°38	13°53	12°41	29°40	27°34	22°21	16°22	6°47	5° 6	3°17	3°24	21°41	25°24
T16	2 9 8	0♍34'45	6♄27	15°23	13°51	0♄25	27°46	22°27	16°25	6°46	5° 5	3°D17	3°21	21°47	25°21
F17	2 13 4	1°34'51	19°30	16°52	15° 0	1°10	27°57	22°32	16°28	6°45	5° 4	3°17	3°18	21°54	25°18
S18	2 17 1	2°35'00	2♁46	18°20	16°10	1°55	28° 9	22°37	16°31	6°43	5° 3	3°17	3°15	22° 1	25°15
S19	2 20 57	3°35'10	16°16	19°48	17°19	2°39	28°21	22°42	16°33	6°42	5° 2	3°R17	3°12	22° 8	25°12
M20	2 24 54	4°35'22	29°58	21°16	18°28	3°24	28°33	22°48	16°36	6°41	5° 1	3°17	3° 9	22°14	25° 9
T21	2 28 50	5°35'37	13♄50	22°42	19°38	4°10	28°44	22°53	16°39	6°39	5° 0	3°17	3° 5	22°21	25° 6
W22	2 32 47	6°35'53	27°51	24° 8	20°47	4°55	28°56	22°59	16°42	6°38	4°59	3°17	3° 2	22°28	25° 3
T23	2 36 44	7°36'12	12♁ 0	25°34	21°56	5°40	29° 7	23° 4	16°45	6°36	4°58	3°D17	2°59	22°34	24°59
F24	2 40 40	8°36'32	26°14	26°59	23° 5	6°25	29°19	23°10	16°48	6°35	4°57	3°17	2°56	22°41	24°56
S25	2 44 37	9°36'55	10♍31	28°23	24°13	7°10	29°30	23°16	16°51	6°34	4°56	3°17	2°53	22°48	24°53
S26	2 48 33	10°37'19	24°49	29°46	25°22	7°56	29°41	23°21	16°54	6°32	4°55	3°18	2°49	22°55	24°50
M27	2 52 30	11°37'46	9♄ 3	1♄ 9	26°31	8°41	29°53	23°27	16°57	6°31	4°54	3°19	2°46	23° 1	24°46
T28	2 56 26	12°38'14	23° 9	2°30	27°39	9°27	0♄ 4	23°33	17° 1	6°29	4°53	3°19	2°43	23° 8	24°43
W29	3 0 23	13°38'44	7♍ 4	3°51	28°47	10°12	0°15	23°39	17° 4	6°27	4°52	3°R19	2°40	23°15	24°40
T30	3 4 19	14°39'16	20°45	5°10	29°55	10°58	0°26	23°45	17° 7	6°26	4°51	3°19	2°37	23°21	24°36
F31	3 8 16	15♍39'49	4♄ 8	6♄27	1♄ 3	11♄34	0♄37	23♄51	17♄10	6♁24	4♁50	3♍18	2♍34	23♄28	24♄33

Delta T = 292.99 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1399

NOVEMBER 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	3 12 13	16♌40'24	17♌13	7♌44	2♊11	12♊29	0♌48	23♌57	17♌13	6°R23	4°R48	3°R16	2♌30	23♌35	24°R30		
S 2	3 16 9	17°41'00	29°58	8°58	3°19	13°15	0°58	24° 3	17°17	6♌21	4♌47	3♌14	2°27	23°42	24♌26		
M 3	3 20 6	18°41'37	12♊26	10°11	4°26	14° 1	1° 9	24° 9	17°20	6°20	4°46	3°12	2°24	23°48	24°23		
T 4	3 24 2	19°42'16	24°40	11°21	5°34	14°47	1°20	24°15	17°23	6°18	4°45	3°10	2°21	23°55	24°19		
W 5	3 27 59	20°42'56	6♌41	12°29	6°41	15°32	1°30	24°22	17°27	6°16	4°44	3° 8	2°18	24° 2	24°16		
T 6	3 31 55	21°43'37	18°36	13°34	7°48	16°18	1°40	24°28	17°30	6°15	4°43	3°D 7	2°15	24° 8	24°13		
F 7	3 35 52	22°44'19	0♌28	14°36	8°55	17° 4	1°51	24°34	17°33	6°13	4°42	3° 8	2°11	24°15	24° 9		
S 8	3 39 48	23°45'02	12°22	15°34	10° 1	17°50	2° 1	24°41	17°37	6°11	4°41	3° 9	2° 8	24°22	24° 6		
S 9	3 43 45	24°45'47	24°23	16°27	11° 8	18°36	2°11	24°47	17°40	6°10	4°40	3°10	2° 5	24°29	24° 2		
M10	3 47 42	25°46'32	6♌36	17°16	12°14	19°22	2°21	24°53	17°44	6° 8	4°38	3°12	2° 2	24°35	23°59		
T 11	3 51 38	26°47'19	19° 3	18° 0	13°20	20° 8	2°31	25° 0	17°47	6° 6	4°37	3°13	1°59	24°42	23°55		
W12	3 55 35	27°48'06	1♌49	18°37	14°26	20°55	2°41	25° 6	17°50	6° 5	4°36	3°R14	1°55	24°49	23°52		
T 13	3 59 31	28°48'55	14°55	19° 7	15°31	21°41	2°51	25°13	17°54	6° 3	4°35	3°13	1°52	24°55	23°49		
F 14	4 3 28	29°49'45	28°20	19°30	16°37	22°27	3° 0	25°20	17°57	6° 1	4°34	3°12	1°49	25° 2	23°45		
S 15	4 7 24	0♌50'36	12♌ 4	19°44	17°42	23°13	3°10	25°26	18° 1	6° 0	4°33	3° 8	1°46	25° 9	23°42		
S 16	4 11 21	1°51'28	26° 3	19°R49	18°46	23°59	3°19	25°33	18° 4	5°58	4°32	3° 4	1°43	25°15	23°38		
M17	4 15 17	2°52'22	10♌13	19°44	19°51	24°46	3°29	25°39	18° 8	5°56	4°30	3° 0	1°40	25°22	23°35		
T 18	4 19 14	3°53'17	24°29	19°28	20°55	25°32	3°38	25°46	18°12	5°55	4°29	2°55	1°36	25°29	23°32		
W19	4 23 11	4°54'13	8♌47	19° 0	21°59	26°18	3°47	25°53	18°15	5°53	4°28	2°52	1°33	25°36	23°28		
T 20	4 27 7	5°55'10	23° 3	18°22	23° 3	27° 5	3°56	26° 0	18°19	5°51	4°27	2°49	1°30	25°42	23°25		
F 21	4 31 4	6°56'09	7♌14	17°32	24° 6	27°51	4° 5	26° 6	18°22	5°50	4°26	2°D49	1°27	25°49	23°21		
S 22	4 35 0	7°57'09	21°19	16°32	25° 9	28°38	4°14	26°13	18°26	5°48	4°25	2°49	1°24	25°56	23°18		
S 23	4 38 57	8°58'10	5♌15	15°23	26°12	29°24	4°22	26°20	18°29	5°46	4°24	2°51	1°21	26° 2	23°15		
M24	4 42 53	9°59'12	19° 2	14° 8	27°15	0♌11	4°31	26°27	18°33	5°44	4°22	2°52	1°17	26° 9	23°12		
T 25	4 46 50	11° 0'15	2♌40	12°47	28°17	0°57	4°39	26°34	18°37	5°43	4°21	2°R53	1°14	26°16	23° 8		
W26	4 50 46	12° 1'19	16° 8	11°24	29°18	1°44	4°48	26°41	18°40	5°41	4°20	2°52	1°11	26°23	23° 5		
T 27	4 54 43	13° 2'24	29°25	10° 2	0♌20	2°30	4°56	26°48	18°44	5°39	4°19	2°49	1° 8	26°29	23° 2		
F 28	4 58 40	14° 3'30	12♌29	8°43	1°21	3°17	5° 4	26°54	18°47	5°38	4°18	2°44	1° 5	26°36	22°59		
S 29	5 2 36	15° 4'37	25°20	7°30	2°21	4° 3	5°12	27° 1	18°51	5°36	4°17	2°37	1° 1	26°43	22°56		
S 30	5 6 33	16♌ 5'45	7♊57	6♌25	3♌22	4♌50	5♌20	27♌ 8	18♌55	5♌34	4♌16	2♌29	0♌58	26♌49	22♌53		

Delta T = 292.85 sec. Julian Calendar 1 Nov. 1399 == Greg. Calendar 9 Nov. 1399

DECEMBER 1399 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	5 10 29	17♌ 6'52	20♊21	5°R29	4♌21	5♌36	5♌27	27♌15	18♌58	5°R33	4°R14	2°R20	0♌55	26♌56	22°R49		
T 2	5 14 26	18° 8'01	2♌32	4♌44	5°21	6°23	5°35	27°22	19° 2	5♌31	4♌13	2♌12	0°52	27° 3	22♌46		
W 3	5 18 22	19° 9'09	14°33	4°10	6°19	7°10	5°42	27°29	19° 6	5°29	4°12	2° 5	0°49	27°10	22°43		
T 4	5 22 19	20°10'18	26°26	3°47	7°18	7°56	5°49	27°36	19° 9	5°28	4°11	2° 0	0°46	27°16	22°40		
F 5	5 26 15	21°11'27	8♌16	3°34	8°16	8°43	5°56	27°43	19°13	5°26	4°10	1°57	0°42	27°23	22°38		
S 6	5 30 12	22°12'36	20° 8	3°D32	9°13	9°30	6° 3	27°50	19°17	5°24	4° 9	1°D55	0°39	27°30	22°35		
S 7	5 34 9	23°13'45	2♌ 6	3°39	10°10	10°16	6°10	27°57	19°20	5°23	4° 8	1°56	0°36	27°36	22°32		
M 8	5 38 5	24°14'55	14°17	3°55	11° 6	11° 3	6°17	28° 4	19°24	5°21	4° 7	1°57	0°33	27°43	22°29		
T 9	5 42 2	25°16'04	26°44	4°19	12° 1	11°50	6°23	28°11	19°27	5°20	4° 6	1°R58	0°30	27°50	22°26		
W10	5 45 58	26°17'13	9♌33	4°49	12°56	12°36	6°30	28°19	19°31	5°18	4° 5	1°58	0°27	27°57	22°24		
T 11	5 49 55	27°18'23	22°46	5°27	13°51	13°23	6°36	28°26	19°35	5°17	4° 4	1°56	0°23	28° 3	22°21		
F 12	5 53 51	28°19'33	6♌25	6°10	14°44	14°10	6°42	28°33	19°38	5°15	4° 3	1°51	0°20	28°10	22°18		
S 13	5 57 48	29°20'42	20°29	6°58	15°37	14°56	6°48	28°40	19°42	5°13	4° 2	1°44	0°17	28°17	22°16		
S 14	6 1 45	0♌21'52	4♌53	7°51	16°29	15°43	6°54	28°47	19°45	5°12	4° 1	1°35	0°14	28°23	22°13		
M15	6 5 41	1°23'02	19°33	8°48	17°21	16°30	6°59	28°54	19°49	5°10	4° 0	1°25	0°11	28°30	22°11		
T 16	6 9 38	2°24'12	4♌19	9°48	18°12	17°16	7° 5	29° 1	19°53	5° 9	3°59	1°16	0° 7	28°37	22° 8		
W17	6 13 34	3°25'22	19° 4	10°52	19° 2	18° 3	7°10	29° 8	19°56	5° 8	3°58	1° 7	0° 4	28°43	22° 6		
T 18	6 17 31	4°26'32	3♌40	11°58	19°51	18°50	7°15	29°15	20° 0	5° 6	3°57	1° 1	0° 1	28°50	22° 4		
F 19	6 21 27	5°27'43	18° 3	13° 7	20°39	19°36	7°20	29°22	20° 3	5° 5	3°56	0°58	29♌58	28°57	22° 2		
S 20	6 25 24	6°28'53	2♌ 9	14°19	21°26	20°23	7°25	29°29	20° 7	5° 3	3°55	0°D56	29°55	29° 4	21°59		
S 21	6 29 20	7°30'04	15°58	15°32	22°12	21°10	7°30	29°36	20°10	5° 2	3°54	0°56	29°52	29°10	21°57		
M22	6 33 17	8°31'15	29°31	16°47	22°58	21°56	7°34	29°43	20°14	5° 0	3°53	0°R57	29°48	29°17	21°55		
T 23	6 37 14	9°32'26	12♌49	18° 3	23°42	22°43	7°38	29°50	20°17	4°59	3°52	0°56	29°45	29°24	21°53		
W24	6 41 10	10°33'37	25°54	19°21	24°25	23°30	7°43	29°57	20°21	4°58	3°51	0°53	29°42	29°30	21°51		
T 25	6 45 7	11°34'48	8♌48	20°41	25° 7	24°16	7°47	0♌ 4	20°24	4°57	3°50	0°48	29°39	29°37	21°49		
F 26	6 49 3	12°35'59	21°31	22° 1	25°48	25° 3	7°50	0°11	20°28	4°55	3°49	0°39	29°36	29°44	21°47		
S 27	6 53 0	13°37'09	4♌ 5	23°23	26°28	25°49	7°54	0°18	20°31	4°54	3°48	0°28	29°33	29°51	21°46		
S 28	6 56 56	14°38'19	16°28	24°46	27° 7	26°36	7°57	0°25	20°35	4°53	3°48	0°15	29°29	29°57	21°44		
M29	7 0 53	15°39'29	28°42	26°10	27°44	27°23	8° 1	0°32	20°38	4°52	3°47	0° 0	29°26	0♌ 4	21°42		
T 30	7 4 49	16°40'38	10♌46	27°34	28°20	28° 9	8° 4	0°39	20°41	4°50	3°46	29♌46	29°23	0°11	21°41		
W31	7 8 46	17♌41'46	22♌43	29♌ 0	28♌55	28♌56	8♌ 7	0♌45	20♌45	4♌49	3♌45	29♌34	29♌20	0♌17	21♌39		

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