

SWISS EPHEMERIS for the year 919

JANUARY 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	6 58 59	15♁27'28	26♁51	21♁17	3♁34	5°R28	23♁58	4°R31	13♁41	28°R 1	11°R20	1°R19	2♁37	17♁26	27♁45
S 2	7 2 56	16°28'33	9♁19	22°23	4°12	5♁23	24°11	4♁29	13°43	28♁ 0	11♁19	1♁11	2°34	17°33	27°51
S 3	7 6 52	17°29'38	22° 4	23°31	4°52	5°20	24°24	4°26	13°46	27°58	11°18	1° 3	2°31	17°39	27°57
M 4	7 10 49	18°30'42	5♁ 7	24°42	5°33	5°17	24°37	4°24	13°48	27°57	11°17	0°55	2°28	17°46	28° 2
T 5	7 14 45	19°31'45	18°28	25°54	6°16	5°15	24°50	4°21	13°50	27°55	11°17	0°48	2°24	17°53	28° 8
W 6	7 18 42	20°32'47	2♁ 3	27° 8	6°59	5°14	25° 3	4°19	13°52	27°53	11°16	0°43	2°21	17°59	28°13
T 7	7 22 39	21°33'48	15°52	28°23	7°43	5°D13	25°16	4°16	13°55	27°52	11°15	0°40	2°18	18° 6	28°19
F 8	7 26 35	22°34'47	29°49	29°40	8°28	5°13	25°30	4°13	13°57	27°50	11°14	0°D39	2°15	18°13	28°24
S 9	7 30 32	23°35'46	13♁53	0♁59	9°15	5°14	25°43	4°10	14° 0	27°49	11°13	0°39	2°12	18°19	28°30
S 10	7 34 28	24°36'43	28° 1	2°18	10° 2	5°16	25°56	4° 7	14° 2	27°47	11°12	0°41	2° 9	18°26	28°35
M11	7 38 25	25°37'39	12♁10	3°39	10°50	5°19	26°10	4° 4	14° 5	27°46	11°11	0°42	2° 5	18°33	28°40
T 12	7 42 21	26°38'34	26°20	5° 1	11°38	5°22	26°23	4° 1	14° 7	27°44	11°11	0°R43	2° 2	18°39	28°45
W13	7 46 18	27°39'27	10♁27	6°24	12°28	5°26	26°37	3°57	14°10	27°43	11°10	0°42	1°59	18°46	28°50
T 14	7 50 14	28°40'18	24°32	7°49	13°18	5°31	26°51	3°54	14°12	27°42	11° 9	0°40	1°56	18°53	28°55
F 15	7 54 11	29°41'08	8♁30	9°14	14°10	5°36	27° 4	3°50	14°15	27°40	11° 8	0°36	1°53	19° 0	29° 0
S 16	7 58 8	0♁41'57	22°21	10°40	15° 1	5°42	27°18	3°47	14°18	27°39	11° 8	0°32	1°49	19° 6	29° 5
S 17	8 2 4	1°42'44	6♁ 2	12° 7	15°54	5°49	27°32	3°43	14°20	27°37	11° 7	0°27	1°46	19°13	29°10
M18	8 6 1	2°43'30	19°29	13°35	16°47	5°56	27°46	3°40	14°23	27°36	11° 6	0°22	1°43	19°20	29°14
T 19	8 9 57	3°44'14	2♁41	15° 4	17°41	6° 4	28° 0	3°36	14°26	27°35	11° 6	0°19	1°40	19°26	29°19
W20	8 13 54	4°44'57	15°36	16°34	18°36	6°13	28°13	3°32	14°29	27°34	11° 5	0°17	1°37	19°33	29°23
T 21	8 17 50	5°45'38	28°16	18° 4	19°31	6°22	28°27	3°28	14°32	27°32	11° 4	0°D16	1°34	19°40	29°28
F 22	8 21 47	6°46'18	10♁39	19°36	20°26	6°32	28°41	3°24	14°34	27°31	11° 4	0°16	1°30	19°46	29°32
S 23	8 25 43	7°46'57	22°49	21° 8	21°23	6°42	28°55	3°20	14°37	27°30	11° 3	0°18	1°27	19°53	29°36
S 24	8 29 40	8°47'34	4♁49	22°42	22°19	6°53	29° 9	3°16	14°40	27°29	11° 2	0°19	1°24	20° 0	29°40
M25	8 33 37	9°48'11	16°42	24°16	23°17	7° 5	29°23	3°12	14°43	27°27	11° 2	0°21	1°21	20° 6	29°44
T 26	8 37 33	10°48'45	28°32	25°51	24°14	7°17	29°38	3° 8	14°46	27°26	11° 1	0°22	1°18	20°13	29°48
W27	8 41 30	11°49'19	10♁25	27°27	25°13	7°29	29°52	3° 3	14°49	27°25	11° 1	0°R23	1°15	20°20	29°52
T 28	8 45 26	12°49'51	22°26	29° 4	26°11	7°42	0♁ 6	2°59	14°52	27°24	11° 0	0°22	1°11	20°27	29°56
F 29	8 49 23	13°50'22	4♁38	0♁41	27°11	7°56	0°20	2°55	14°55	27°23	11° 0	0°21	1° 8	20°33	0♁ 0
S 30	8 53 19	14°50'52	17° 7	2°20	28°10	8°10	0°34	2°50	14°58	27°22	10°59	0°20	1° 5	20°40	0° 4
S 31	8 57 16	15♁51'20	29♁55	4♁ 0	29♁10	8♁25	0♁49	2♁46	15♁ 1	27♁21	10♁59	0♁18	1♁ 2	20♁47	0♁ 7

Delta T = 34m20s

Julian Calendar 1 Jan. 919 == Greg. Calendar 6 Jan. 919

FEBRUARY 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	9 1 12	16♁51'47	13♁ 5	5♁40	0♁10	8♁40	1♁ 3	2°R41	15♁ 4	27°R20	10°R59	0°R16	0♁59	20♁53	0♁11
T 2	9 5 9	17°52'12	26°37	7°22	1°11	8°55	1°17	2♁37	15° 8	27♁19	10♁58	0♁14	0°55	21° 0	0°14
W 3	9 9 6	18°52'36	10♁31	9° 4	2°12	9°11	1°32	2°32	15°11	27°18	10°58	0°13	0°52	21° 7	0°17
T 4	9 13 2	19°52'57	24°43	10°47	3°14	9°28	1°46	2°28	15°14	27°17	10°58	0°D12	0°49	21°13	0°20
F 5	9 16 59	20°53'17	9♁ 8	12°32	4°15	9°45	2° 0	2°23	15°17	27°16	10°57	0°12	0°46	21°20	0°24
S 6	9 20 55	21°53'35	23°41	14°17	5°17	10° 2	2°15	2°19	15°20	27°15	10°57	0°13	0°43	21°27	0°27
S 7	9 24 52	22°53'51	8♁16	16° 4	6°20	10°20	2°29	2°14	15°23	27°15	10°57	0°13	0°40	21°33	0°29
M 8	9 28 48	23°54'05	22°47	17°51	7°23	10°38	2°44	2° 9	15°27	27°14	10°56	0°14	0°36	21°40	0°32
T 9	9 32 45	24°54'17	7♁11	19°40	8°25	10°57	2°58	2° 5	15°30	27°13	10°56	0°14	0°33	21°47	0°35
W10	9 36 41	25°54'27	21°23	21°29	9°29	11°16	3°13	2° 0	15°33	27°12	10°56	0°R15	0°30	21°53	0°38
T 11	9 40 38	26°54'34	5♁22	23°20	10°32	11°35	3°27	1°55	15°37	27°12	10°56	0°15	0°27	22° 0	0°40
F 12	9 44 35	27°54'40	19° 6	25°11	11°36	11°55	3°42	1°50	15°40	27°11	10°56	0°14	0°24	22° 7	0°43
S 13	9 48 31	28°54'43	2♁35	27° 4	12°40	12°15	3°56	1°46	15°43	27°10	10°55	0°14	0°21	22°14	0°45
S 14	9 52 28	29°54'44	15°51	28°57	13°44	12°36	4°11	1°41	15°47	27°10	10°55	0°D14	0°17	22°20	0°47
M15	9 56 24	0♁54'43	28°52	0♁52	14°49	12°56	4°25	1°36	15°50	27° 9	10°55	0°14	0°14	22°27	0°49
T 16	10 0 21	1°54'40	11♁40	2°47	15°53	13°17	4°40	1°31	15°53	27° 9	10°55	0°14	0°11	22°34	0°51
W17	10 4 17	2°54'34	24°16	4°44	16°58	13°39	4°54	1°26	15°57	27° 8	10°55	0°R14	0° 8	22°40	0°53
T 18	10 8 14	3°54'27	6♁39	6°41	18° 4	14° 1	5° 9	1°22	16° 0	27° 8	10°55	0°14	0° 5	22°47	0°55
F 19	10 12 10	4°54'18	18°53	8°38	19° 9	14°23	5°23	1°17	16° 3	27° 7	10°D55	0°14	0° 1	22°54	0°57
S 20	10 16 7	5°54'06	0♁57	10°37	20°14	14°45	5°38	1°12	16° 7	27° 7	10°55	0°14	29♁58	23° 0	0°59
S 21	10 20 4	6°53'53	12°53	12°35	21°20	15° 8	5°52	1° 7	16°10	27° 6	10°55	0°13	29°55	23° 7	1° 0
M22	10 24 0	7°53'38	24°46	14°34	22°26	15°31	6° 7	1° 3	16°14	27° 6	10°55	0°12	29°52	23°14	1° 2
T 23	10 27 57	8°53'21	6♁37	16°33	23°32	15°54	6°21	0°58	16°17	27° 6	10°55	0°11	29°49	23°21	1° 3
W24	10 31 53	9°53'02	18°30	18°31	24°39	16°18	6°36	0°53	16°20	27° 5	10°55	0°10	29°46	23°27	1° 4
T 25	10 35 50	10°52'41	0♁29	20°29	25°45	16°42	6°50	0°49	16°24	27° 5	10°56	0° 9	29°42	23°34	1° 5
F 26	10 39 46	11°52'19	12°39	22°27	26°52	17° 6	7° 5	0°44	16°27	27° 5	10°56	0°D 9	29°39	23°41	1° 6
S 27	10 43 43	12°51'55	25° 4	24°23	27°59	17°30	7°19	0°39	16°31	27° 5	10°56	0° 9	29°36	23°47	1° 7
S 28	10 47 39	13♁51'29	7♁49	26♁17	29♁ 6	17♁55	7♁34	0♁35	16♁34	27♁ 5	10♁56	0♁10	29♁33	23♁54	1♁ 8

Delta T = 34m19s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 919

MARCH 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	10 51 36	14 ^h 51'01"	20 ^h 35'56"	28 ^h 9'	0 ^h 13'	18 ^h 19'	7 ^h 48'	0 ^h R30	16 ^h 37'	27 ^h R 4	10 ^h II56	0 ^h 11'	29 ^h 03'30"	24 ^h 1'	1 ^h 7' 9"		
T 2	10 55 33	15 ^h 50'32"	4 ^h 29'	29 ^h 59'	1 ^h 20'	18 ^h 44'	8° 2'	0 ^h 26'	16 ^h 41'	27 ^h II 4	10 ^h 56'	0°12'	29 ^h 26'	24° 7'	1°10'		
W 3	10 59 29	16 ^h 50'00"	18 ^h 28'	1 ^h 47'	2 ^h 28'	19 ^h 10'	8°17'	0°21'	16 ^h 44'	27° 4'	10 ^h 57'	0°13'	29 ^h 23'	24 ^h 14'	1°10'		
T 4	11 3 26	17 ^h 49'27"	2 ^h 52'	3 ^h 31'	3 ^h 35'	19 ^h 35'	8°31'	0°17'	16 ^h 48'	27 ^h D 4	10 ^h 57'	0°R13	29 ^h 20'	24 ^h 21'	1°11'		
F 5	11 7 22	18 ^h 48'51"	17 ^h 35'	5 ^h 11'	4 ^h 43'	20° 1'	8°46'	0°12'	16 ^h 51'	27° 4'	10 ^h 57'	0°13'	29 ^h 17'	24 ^h 27'	1°11'		
S 6	11 11 19	19 ^h 48'14"	2 ^h 31'	6 ^h 47'	5 ^h 51'	20 ^h 27'	9° 0'	0° 8'	16 ^h 55'	27° 4'	10 ^h 58'	0°11'	29 ^h 14'	24 ^h 34'	1°11'		
S 7	11 15 15	20 ^h 47'34"	17 ^h 33'	8°19'	6°59'	20 ^h 53'	9°14'	0° 4'	16 ^h 58'	27° 4'	10 ^h 58'	0° 9'	29 ^h 11'	24 ^h 41'	1°11'		
M 8	11 19 12	21 ^h 46'52"	2 ^h 30'	9°45'	8° 7'	21 ^h 20'	9°29'	29 ^h 05'59"	17° 2'	27° 5'	10 ^h 58'	0° 6'	29° 7'	24 ^h 48'	1°R11		
T 9	11 23 8	22 ^h 46'07"	17 ^h 15'	11° 7'	9°15'	21 ^h 46'	9°43'	29 ^h 55'	17° 5'	27° 5'	10 ^h 59'	0° 3'	29° 4'	24 ^h 54'	1°11'		
W10	11 27 5	23 ^h 45'21"	1 ^h II42	12 ^h 23'	10 ^h 23'	22 ^h 13'	9°57'	29 ^h 51'	17° 8'	27° 5'	10 ^h 59'	0° 1'	29° 1'	25° 1'	1°11'		
T 11	11 31 1	24 ^h 44'32"	15 ^h 48'	13 ^h 33'	11 ^h 31'	22 ^h 40'	10°12'	29 ^h 47'	17°12'	27° 5'	11° 0'	29 ^h 05'59"	28 ^h 58'	25° 8'	1°11'		
F 12	11 34 58	25 ^h 43'41"	29 ^h 30'	14 ^h 37'	12 ^h 40'	23° 8'	10°26'	29 ^h 43'	17°15'	27° 5'	11° 0'	29 ^h D59	28 ^h 55'	25 ^h 14'	1°10'		
S 13	11 38 55	26 ^h 42'47"	12 ^h 05'51"	15 ^h 34'	13 ^h 48'	23 ^h 35'	10°40'	29 ^h 39'	17°19'	27° 6'	11° 1'	0 ^h 11'	28 ^h 52'	25 ^h 21'	1°10'		
S 14	11 42 51	27 ^h 41'51"	25 ^h 52'	16 ^h 25'	14 ^h 57'	24° 3'	10°54'	29 ^h 35'	17°22'	27° 6'	11° 1'	0° 2'	28 ^h 48'	25 ^h 28'	1° 9'		
M15	11 46 48	28 ^h 40'52"	8 ^h 03'36"	17 ^h 10'	16° 6'	24 ^h 31'	11° 9'	29 ^h 31'	17°25'	27° 6'	11° 2'	0° 3'	28 ^h 45'	25 ^h 34'	1° 9'		
T 16	11 50 44	29 ^h 39'51"	21° 6'	17 ^h 47'	17 ^h 15'	24 ^h 58'	11 ^h 23'	29 ^h 27'	17°29'	27° 7'	11° 2'	0° 4'	28 ^h 42'	25 ^h 41'	1° 8'		
W17	11 54 41	0 ^h 38'48"	3 ^h 24'	18 ^h 18'	18 ^h 24'	25 ^h 27'	11 ^h 37'	29 ^h 23'	17°32'	27° 7'	11° 3'	0°R 5	28 ^h 39'	25 ^h 48'	1° 7'		
T 18	11 58 37	1 ^h 37'43"	15 ^h 33'	18 ^h 42'	19 ^h 33'	25 ^h 55'	11 ^h 51'	29 ^h 20'	17°35'	27° 8'	11° 3'	0° 4'	28 ^h 36'	25 ^h 55'	1° 6'		
F 19	12 2 34	2 ^h 36'35"	27 ^h 35'	18 ^h 59'	20 ^h 42'	26 ^h 23'	12° 5'	29 ^h 16'	17°39'	27° 8'	11° 4'	0° 1'	28 ^h 32'	26° 1'	1° 5'		
S 20	12 6 30	3 ^h 35'26"	9 ^h 32'	19 ^h 10'	21 ^h 51'	26 ^h 52'	12°19'	29 ^h 13'	17°42'	27° 9'	11° 5'	29 ^h 05'56"	28 ^h 29'	26° 8'	1° 4'		
S 21	12 10 27	4 ^h 34'14"	21 ^h 25'	19 ^h R14	23° 0'	27 ^h 21'	12 ^h 33'	29° 9'	17°45'	27° 9'	11° 5'	29 ^h 51'	28 ^h 26'	26 ^h 15'	1° 3'		
M22	12 14 24	5 ^h 33'00"	3 ^h 11'17"	19 ^h 11'	24 ^h 10'	27 ^h 50'	12 ^h 47'	29° 6'	17°49'	27 ^h 10'	11° 6'	29 ^h 44'	28 ^h 23'	26 ^h 21'	1° 1'		
T 23	12 18 20	6 ^h 31'45"	15° 8'	19° 2'	25 ^h 19'	28 ^h 19'	13° 1'	29° 2'	17°52'	27 ^h 11'	11° 7'	29 ^h 38'	28 ^h 20'	26 ^h 28'	1° 0'		
W24	12 22 17	7 ^h 30'28"	27° 3'	18 ^h 47'	26 ^h 29'	28 ^h 48'	13 ^h 15'	28 ^h 59'	17°55'	27 ^h 11'	11° 7'	29 ^h 31'	28 ^h 17'	26 ^h 35'	0°59'		
T 25	12 26 13	8 ^h 29'09"	9 ^h 7'	18 ^h 27'	27 ^h 38'	29 ^h 18'	13 ^h 29'	28 ^h 56'	17°59'	27 ^h 12'	11° 8'	29 ^h 26'	28 ^h 13'	26 ^h 41'	0°57'		
F 26	12 30 10	9 ^h 27'48"	21 ^h 13'	18° 2'	28 ^h 48'	29 ^h 47'	13 ^h 42'	28 ^h 53'	18° 2'	27 ^h 13'	11° 9'	29 ^h 23'	28 ^h 10'	26 ^h 48'	0°55'		
S 27	12 34 6	10 ^h 26'25"	3 ^h 35'	17 ^h 32'	29 ^h 58'	0 ^h 17'	13 ^h 56'	28 ^h 50'	18° 5'	27 ^h 13'	11 ^h 10'	29 ^h 21'	28° 7'	26 ^h 55'	0°54'		
S 28	12 38 3	11 ^h 25'01"	16 ^h 15'	16 ^h 58'	1 ^h 8'	0°47'	14 ^h 10'	28 ^h 47'	18° 8'	27 ^h 14'	11 ^h 10'	29 ^h D21	28° 4'	27° 2'	0°52'		
M29	12 41 59	12 ^h 23'35"	29 ^h 16'	16 ^h 22'	2°18'	1°16'	14 ^h 23'	28 ^h 44'	18 ^h 12'	27 ^h 15'	11 ^h 11'	29 ^h 22'	28° 1'	27° 8'	0°50'		
T 30	12 45 56	13 ^h 22'07"	12 ^h 42'	15 ^h 43'	3 ^h 28'	1°47'	14 ^h 37'	28 ^h 42'	18 ^h 15'	27 ^h 16'	11 ^h 12'	29 ^h 23'	27 ^h 58'	27 ^h 15'	0°48'		
W31	12 49 53	14 ^h 20'38"	26 ^h 36'	15 ^h 47'	4 ^h 38'	2 ^h 17'	14 ^h 51'	28 ^h 03'39"	18 ^h 18'	27 ^h II17	11 ^h II13	29 ^h R24	27 ^h 05'54"	27 ^h 22'	0 ^h 46'		

Delta T = 34m19s Julian Calendar 1 March 919 == Greg. Calendar 6 March 919

APRIL 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	12 53 49	15 ^h 49'07"	10 ^h 57'	14 ^h R20	5 ^h 48'	2 ^h 04'47"	15 ^h 4'	28 ^h R36	18 ^h 21'	27 ^h II18	11 ^h II14	29 ^h R23	27 ^h 05'51"	27 ^h 05'28"	0 ^h R43		
F 2	12 57 46	16 ^h 17'34"	25 ^h 43'	13 ^h 38'	6 ^h 58'	3°18'	15 ^h 18'	28 ^h 03'34"	18 ^h 24'	27 ^h 19'	11 ^h 15'	29 ^h 02'21"	27 ^h 48'	27 ^h 35'	0 ^h 41'		
S 3	13 1 42	17 ^h 15'59"	10 ^h 48'	12 ^h 57'	8° 8'	3°48'	15 ^h 31'	28 ^h 32'	18 ^h 27'	27 ^h 20'	11 ^h 15'	29 ^h 16'	27 ^h 45'	27 ^h 42'	0°39'		
S 4	13 5 39	18 ^h 14'23"	26° 3'	12 ^h 17'	9°19'	4°19'	15 ^h 44'	28 ^h 29'	18 ^h 31'	27 ^h 21'	11 ^h 16'	29 ^h 10'	27 ^h 42'	27 ^h 49'	0°36'		
M 5	13 9 35	19 ^h 12'44"	11 ^h 08'18"	11 ^h 39'	10 ^h 29'	4°50'	15 ^h 58'	28 ^h 27'	18 ^h 34'	27 ^h 22'	11 ^h 17'	29° 3'	27 ^h 38'	27 ^h 55'	0°34'		
T 6	13 13 32	20 ^h 11'04"	26 ^h 22'	11° 4'	11 ^h 39'	5°21'	16 ^h 11'	28 ^h 25'	18 ^h 37'	27 ^h 23'	11 ^h 18'	28 ^h 55'	27 ^h 35'	28° 2'	0°31'		
W 7	13 17 28	21° 9'21"	11 ^h II 6	10 ^h 32'	12 ^h 50'	5°52'	16 ^h 24'	28 ^h 23'	18 ^h 40'	27 ^h 24'	11 ^h 19'	28 ^h 48'	27 ^h 32'	28° 9'	0°28'		
T 8	13 21 25	22° 7'37"	25 ^h 24'	10° 3'	14° 0'	6°23'	16 ^h 37'	28 ^h 21'	18 ^h 43'	27 ^h 25'	11 ^h 20'	28 ^h 43'	27 ^h 29'	28 ^h 15'	0°26'		
F 9	13 25 21	23° 5'50"	9 ^h 08'14"	9 ^h 39'	15 ^h 11'	6°54'	16 ^h 50'	28 ^h 20'	18 ^h 46'	27 ^h 26'	11 ^h 21'	28 ^h 41'	27 ^h 26'	28 ^h 22'	0°23'		
S 10	13 29 18	24° 4'02"	22 ^h 36'	9 ^h 19'	16 ^h 21'	7°26'	17° 3'	28 ^h 18'	18 ^h 49'	27 ^h 27'	11 ^h 22'	28 ^h D40	27 ^h 23'	28 ^h 29'	0°20'		
S 11	13 33 15	25° 2'11"	5 ^h 03'34"	9° 3'	17 ^h 32'	7°57'	17 ^h 16'	28 ^h 16'	18 ^h 52'	27 ^h 28'	11 ^h 23'	28 ^h 40'	27 ^h 19'	28 ^h 35'	0°17'		
M12	13 37 11	26° 0'18"	18 ^h 10'	8°52'	18 ^h 43'	8°29'	17 ^h 29'	28 ^h 15'	18 ^h 54'	27 ^h 30'	11 ^h 24'	28 ^h 41'	27 ^h 16'	28 ^h 42'	0°14'		
T 13	13 41 8	26 ^h 58'23"	0 ^h 11'31"	8°45'	19 ^h 53'	9° 0'	17 ^h 42'	28 ^h 13'	18 ^h 57'	27 ^h 31'	11 ^h 25'	28 ^h R41	27 ^h 13'	28 ^h 49'	0°11'		
W14	13 45 4	27 ^h 56'26"	12 ^h 38'	8 ^h D44	21° 4'	9°32'	17 ^h 55'	28 ^h 12'	19° 0'	27 ^h 32'	11 ^h 26'	28 ^h 40'	27 ^h 10'	28 ^h 56'	0° 8'		
T 15	13 49 1	28 ^h 54'28"	24 ^h 38'	8°47'	22 ^h 15'	10° 4'	18° 7'	28 ^h 11'	19° 3'	27 ^h 33'	11 ^h 28'	28 ^h 37'	27° 7'	29° 2'	0° 4'		
F 16	13 52 57	29 ^h 52'27"	6 ^h 03'32"	8°55'	23 ^h 26'	10 ^h 36'	18 ^h 20'	28 ^h 10'	19° 6'	27 ^h 35'	11 ^h 29'	28 ^h 31'	27° 3'	29° 9'	0° 1'		
S 17	13 56 54	0 ^h 50'25"	18 ^h 24'	9° 7'	24 ^h 36'	11° 8'	18 ^h 32'	28° 9'	19° 9'	27 ^h 36'	11 ^h 30'	28 ^h 23'	27° 0'	29 ^h 16'	29 ^h 05'58"		
S 18	14 0 50	1 ^h 48'21"	0 ^h 11'15"	9°24'	25 ^h 47'	11 ^h 40'	18 ^h 45'	28° 8'	19 ^h 11'	27 ^h 38'	11 ^h 31'	28 ^h 13'	26 ^h 57'	29 ^h 22'	29 ^h 54'		
M19	14 4 47	2 ^h 46'15"	12° 8'	9°46'	26 ^h 58'	12 ^h 13'	18 ^h 57'	28° 7'	19 ^h 14'	27 ^h 39'	11 ^h 32'	28° 1'	26 ^h 54'	29 ^h 29'	29 ^h 51'		
T 20	14 8 44	3 ^h 44'08"	24° 3'	10 ^h 12'	28° 9'	12°45'	19 ^h 10'	28° 7'	19 ^h 17'	27 ^h 40'	11 ^h 33'	27 ^h 49'	26 ^h 51'	29 ^h 36'	29 ^h 47'		
W21	14 12 40	4 ^h 41'59"	6 ^h 7'	10 ^h 42'	29 ^h 20'	13 ^h 17'	19 ^h 22'	28° 6'	19 ^h 19'	27 ^h 42'	11 ^h 34'	27 ^h 37'	26 ^h 48'	29 ^h 43'	29 ^h 44'		
T 22	14 16 37	5 ^h 39'49"	18° 8'	11<													

SWISS EPHEMERIS for the year 919

MAY 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	14 52 6	14♌19'24	19♍12	19♍6	11♍13	18♌47	21♋20	28♌6	19♋44	27♌58	11♌47	26♌R59	26♌216	0♌50	29♌R 6		
S 2	14 56 2	15°17'03	4♌24	20°14	12°24	19°20	21°31	28° 7	19°46	28° 0	11°48	26♌50	26°13	0°56	29♌R 2		
M 3	14 59 59	16°14'40	19°41	21°25	13°36	19°53	21°42	28° 7	19°49	28° 1	11°49	26°40	26° 9	1° 3	28°57		
T 4	15 3 55	17°12'15	4♌50	22°39	14°47	20°27	21°53	28° 8	19°51	28° 3	11°51	26°29	26° 6	1°10	28°53		
W 5	15 7 52	18° 9'50	19°42	23°55	15°59	21° 0	22° 4	28° 9	19°53	28° 5	11°52	26°19	26° 3	1°16	28°49		
T 6	15 11 48	19° 7'23	4♌9	25°14	17°10	21°34	22°15	28°10	19°55	28° 7	11°53	26°12	26° 0	1°23	28°45		
F 7	15 15 45	20° 4'55	18° 7	26°36	18°22	22° 8	22°26	28°11	19°57	28° 9	11°55	26° 6	25°57	1°30	28°41		
S 8	15 19 42	21° 2'25	1♌36	28° 1	19°34	22°42	22°37	28°12	19°59	28°10	11°56	26° 4	25°54	1°37	28°37		
S 9	15 23 38	21°59'54	14°36	29°28	20°45	23°16	22°48	28°13	20° 1	28°12	11°57	26° 3	25°50	1°43	28°33		
M10	15 27 35	22°57'22	27°13	0♌57	21°57	23°49	22°58	28°15	20° 3	28°14	11°59	26° 3	25°47	1°50	28°28		
T 11	15 31 31	23°54'48	9♍32	2°29	23° 9	24°23	23° 8	28°16	20° 5	28°16	12° 0	26° 2	25°44	1°57	28°24		
W12	15 35 28	24°52'13	21°37	4° 4	24°20	24°58	23°19	28°18	20° 7	28°18	12° 1	26° 1	25°41	2° 3	28°20		
T 13	15 39 24	25°49'36	3♌33	5°41	25°32	25°32	23°29	28°20	20° 9	28°20	12° 3	25°57	25°38	2°10	28°16		
F 14	15 43 21	26°46'59	15°24	7°21	26°44	26° 6	23°39	28°21	20°11	28°22	12° 4	25°50	25°34	2°17	28°12		
S 15	15 47 17	27°44'20	27°14	9° 3	27°56	26°40	23°49	28°23	20°13	28°24	12° 5	25°41	25°31	2°24	28° 7		
S 16	15 51 14	28°41'41	9♌6	10°48	29° 7	27°15	23°59	28°25	20°14	28°26	12° 7	25°29	25°28	2°30	28° 3		
M17	15 55 11	29°39'00	21° 2	12°35	0♌19	27°49	24° 9	28°27	20°16	28°28	12° 8	25°16	25°25	2°37	27°59		
T 18	15 59 7	0♌36'18	3♌4	14°24	1°31	28°23	24°18	28°30	20°18	28°30	12°10	25° 2	25°22	2°44	27°55		
W19	16 3 4	1°33'36	15°12	16°16	2°43	28°58	24°28	28°32	20°19	28°32	12°11	24°49	25°19	2°50	27°51		
T 20	16 7 0	2°30'53	27°27	18°11	3°55	29°32	24°37	28°34	20°21	28°34	12°13	24°38	25°15	2°57	27°46		
F 21	16 10 57	3°28'10	9♌51	20° 7	5° 7	0♌7	24°46	28°37	20°22	28°36	12°14	24°29	25°12	3° 4	27°42		
S 22	16 14 53	4°25'26	22°26	22° 6	6°19	0°42	24°56	28°39	20°24	28°38	12°15	24°23	25° 9	3°11	27°38		
S 23	16 18 50	5°22'41	5♌13	24° 7	7°31	1°17	25° 5	28°42	20°25	28°40	12°17	24°20	25° 6	3°17	27°34		
M24	16 22 46	6°19'56	18°14	26°10	8°43	1°51	25°13	28°45	20°27	28°42	12°18	24°18	25° 3	3°24	27°30		
T 25	16 26 43	7°17'11	1♌34	28°15	9°55	2°26	25°22	28°48	20°28	28°44	12°20	24°18	25° 0	3°31	27°26		
W26	16 30 40	8°14'25	25°13	0♌21	11° 7	3° 1	25°31	28°51	20°29	28°46	12°21	24°18	24°56	3°37	27°22		
T 27	16 34 36	9°11'39	19°14	2°29	12°19	3°36	25°39	28°54	20°31	28°49	12°22	24°17	24°53	3°44	27°17		
F 28	16 38 33	10° 8'53	13♍37	4°38	13°32	4°11	25°48	28°57	20°32	28°51	12°24	24°14	24°50	3°51	27°13		
S 29	16 42 29	11° 6'06	28°19	6°49	14°44	4°46	25°56	29° 0	20°33	28°53	12°25	24° 8	24°47	3°58	27° 9		
S 30	16 46 26	12° 3'20	13♌15	9° 0	15°56	5°21	26° 4	29° 3	20°34	28°55	12°27	24° 0	24°44	4° 4	27° 5		
M31	16 50 22	13♌0'33	28♌17	11♌11	17♌8	5♌57	26♌12	29♌7	20♌35	28♌57	12♌28	23♌50	24♌40	4♌11	27♌1		

Delta T = 34m18s

Julian Calendar 1 May 919 == Greg. Calendar 6 May 919

JUNE 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	16 54 19	13♌57'46	13♌15	13♌22	18♌21	6♌32	26♌20	29♌10	20♌36	28♌59	12♌30	23°R40	24♌37	4♌18	26°R58		
W 2	16 58 15	14°54'58	28° 1	15°34	19°33	7° 7	26°28	29°14	20°37	29° 1	12°31	23♌31	24°34	4°24	26♌54		
T 3	17 2 12	15°52'10	12♌26	17°45	20°45	7°43	26°35	29°17	20°38	29° 4	12°32	23°23	24°31	4°31	26°50		
F 4	17 6 9	16°49'22	26°25	19°55	21°58	8°18	26°43	29°21	20°39	29° 6	12°34	23°18	24°28	4°38	26°46		
S 5	17 10 5	17°46'33	9♌56	22° 5	23°10	8°54	26°50	29°25	20°40	29° 8	12°35	23°15	24°25	4°45	26°42		
S 6	17 14 2	18°43'44	23° 0	24°13	24°22	9°29	26°57	29°29	20°41	29°10	12°37	23°D14	24°21	4°51	26°39		
M 7	17 17 58	19°40'54	5♍41	26°20	25°35	10° 5	27° 4	29°33	20°41	29°12	12°38	23°15	24°18	4°58	26°35		
T 8	17 21 55	20°38'03	18° 1	28°26	26°47	10°41	27°11	29°37	20°42	29°15	12°40	23°R15	24°15	5° 5	26°31		
W 9	17 25 51	21°35'13	0♌7	0♌30	28° 0	11°16	27°17	29°41	20°43	29°17	12°41	23°15	24°12	5°11	26°28		
T 10	17 29 48	22°32'22	12° 4	2°33	29°12	11°52	27°24	29°45	20°43	29°19	12°42	23°13	24° 9	5°18	26°24		
F 11	17 33 44	23°29'30	23°56	4°34	0♌25	12°28	27°30	29°50	20°44	29°21	12°44	23° 9	24° 6	5°25	26°21		
S 12	17 37 41	24°26'39	5♌47	6°32	1°37	13° 4	27°36	29°54	20°44	29°23	12°45	23° 2	24° 2	5°32	26°17		
S 13	17 41 38	25°23'47	17°42	8°30	2°50	13°40	27°42	29°58	20°45	29°26	12°47	22°54	23°59	5°38	26°14		
M14	17 45 34	26°20'55	29°43	10°25	4° 3	14°16	27°48	0♍3	20°45	29°28	12°48	22°44	23°56	5°45	26°11		
T 15	17 49 31	27°18'03	11♌53	12°18	5°15	14°52	27°54	0° 8	20°45	29°30	12°49	22°34	23°53	5°52	26° 7		
W16	17 53 27	28°15'11	24°11	14° 9	6°28	15°28	27°59	0°12	20°46	29°32	12°51	22°24	23°50	5°58	26° 4		
T 17	17 57 24	29°12'19	6♌41	15°58	7°41	16° 4	28° 5	0°17	20°46	29°35	12°52	22°16	23°46	6° 5	26° 1		
F 18	18 1 20	0♌9'28	19°21	17°46	8°53	16°40	28°10	0°22	20°46	29°37	12°54	22°10	23°43	6°12	25°58		
S 19	18 5 17	1° 6'36	2♌12	19°31	10° 6	17°17	28°15	0°27	20°46	29°39	12°55	22° 6	23°40	6°19	25°55		
S 20	18 9 13	2° 3'45	15°15	21°14	11°19	17°53	28°20	0°32	20°46	29°41	12°56	22° 4	23°37	6°25	25°52		
M21	18 13 10	3° 0'55	28°31	22°55	12°32	18°29	28°24	0°37	20°46	29°44	12°58	22°D 4	23°34	6°32	25°50		
T 22	18 17 7	3°58'05	12♌0	24°35	13°45	19° 6	28°29	0°42	20°R46	29°46	12°59	22° 5	23°31	6°39	25°47		
W23	18 21 3	4°55'15	25°43	26°12	14°58	19°42	28°33	0°47	20°46	29°48	13° 0	22° 6	23°27	6°45	25°44		
T 24	18 25 0	5°52'27	9♍42	27°47	16°11	20°19	28°37	0°52	20°46	29°50	13° 2	22°R 6	23°24	6°52	25°41		
F 25	18 28 56	6°49'38	23°54	29°21	17°23	20°55	28°41	0°58	20°46	29°52	13° 3	22° 5	23°21	6°59	25°39		
S 26	18 32 53	7°46'51	8♌20	0♌52	18°36	21°32	28°45	1° 3	20°46	29°55	13° 4	22° 2	23°18	7° 6	25°36		
S 27	18 36 49	8°44'05	22°54	2°21	19°49	22° 9	28°49	1° 9	20°46	29°57	13° 6	21°57	23°15	7°12	25°34		
M28	18 40 46	9°41'19	7♌32	3°48	21° 3	22°45	28°52	1°14	20°45	29°59	13° 7	21°51	23°12	7°19	25°32		
T 29	18 44 42	10°38'34	22° 8	5°14	22°16	23°22	28°55	1°20	20°45	0♌1	13° 8	21°45	23° 8	7°26	25°29		
W30	18 48 39	11♌35'49	6♌33	6♌37	23♌29	23♌59	28♌58	1♍25	20♌45	0♌4	13♌10	21♌39	23♌5	7♌32	25♌27		

Delta T = 34m17s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 919

JULY 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	18 52 36	12 ²³ 33'06	20 ²³ 43	7 ¹² 58	24 ¹¹ 42	24 ¹² 36	29 ¹¹ 1	1 ¹¹ 31	20 ¹ R44	0 ¹ 56	13 ¹¹ 11	21 ¹ R34	23 ¹ 2	7 ¹¹ 39	25 ¹ R25
F 2	18 56 32	13 ³⁰ '22	4 ¹² 32	9 ¹ 16	25 ¹ 55	25 ¹ 13	29 ¹ 4	1 ¹ 37	20 ¹ X44	0 ¹ 8	13 ¹ 12	21 ¹ 21	22 ¹ 59	7 ¹ 46	25 ¹ M23
S 3	19 0 29	14 ²⁷ '40	17 ¹ 58	10 ¹ 33	27 ¹ 8	25 ¹ 50	29 ¹ 6	1 ¹ 43	20 ¹ 43	0 ¹ 10	13 ¹ 13	21 ¹ D30	22 ¹ 56	7 ¹ 53	25 ¹ 21
S 4	19 4 25	15 ²⁴ '57	1 ¹¹ 1	11 ¹ 47	28 ¹ 22	26 ¹ 27	29 ¹ 9	1 ¹ 48	20 ¹ 43	0 ¹ 12	13 ¹ 15	21 ¹ 30	22 ¹ 52	7 ¹ 59	25 ¹ 20
M 5	19 8 22	16 ²² '16	13 ¹ 42	12 ¹ 59	29 ¹ 35	27 ¹ 4	29 ¹ 11	1 ¹ 54	20 ¹ 42	0 ¹ 14	13 ¹ 16	21 ¹ 32	22 ¹ 49	8 ¹ 6	25 ¹ 18
T 6	19 12 18	17 ¹⁹ '34	26 ¹ 5	14 ¹ 9	0 ¹ 548	27 ¹ 41	29 ¹ 13	2 ¹ 0	20 ¹ 42	0 ¹ 17	13 ¹ 17	21 ¹ 33	22 ¹ 46	8 ¹ 13	25 ¹ 16
W 7	19 16 15	18 ¹⁶ '53	8 ¹² 13	15 ¹ 16	2 ¹ 1	28 ¹ 18	29 ¹ 14	2 ¹ 6	20 ¹ 41	0 ¹ 19	13 ¹ 18	21 ¹ 35	22 ¹ 43	8 ¹ 20	25 ¹ 15
T 8	19 20 11	19 ¹⁴ '13	20 ¹ 11	16 ¹ 20	3 ¹ 15	28 ¹ 55	29 ¹ 16	2 ¹ 12	20 ¹ 40	0 ¹ 21	13 ¹ 20	21 ¹ R35	22 ¹ 40	8 ¹ 26	25 ¹ 13
F 9	19 24 8	20 ¹¹ '34	2 ¹¹ 5	17 ¹ 22	4 ¹ 28	29 ¹ 33	29 ¹ 17	2 ¹ 19	20 ¹ 39	0 ¹ 23	13 ¹ 21	21 ¹ 34	22 ¹ 37	8 ¹ 33	25 ¹ 12
S 10	19 28 5	21 ⁸ '55	13 ¹ 58	18 ¹ 21	5 ¹ 42	0 ¹ 110	29 ¹ 18	2 ¹ 25	20 ¹ 38	0 ¹ 25	13 ¹ 22	21 ¹ 32	22 ¹ 33	8 ¹ 40	25 ¹ 10
S 11	19 32 1	22 ⁶ '16	25 ¹ 55	19 ¹ 17	6 ¹ 55	0 ¹ 47	29 ¹ 19	2 ¹ 31	20 ¹ 38	0 ¹ 27	13 ¹ 23	21 ¹ 29	22 ¹ 30	8 ¹ 46	25 ¹ 9
M12	19 35 58	23 ³ '39	8 ¹⁷ 1	20 ¹ 10	8 ¹ 9	1 ¹ 25	29 ¹ 20	2 ¹ 37	20 ¹ 37	0 ¹ 29	13 ¹ 24	21 ¹ 25	22 ¹ 27	8 ¹ 53	25 ¹ 8
T 13	19 39 54	24 ¹ '02	20 ¹ 17	21 ¹ 0	9 ¹ 22	2 ¹ 2	29 ¹ 20	2 ¹ 44	20 ¹ 36	0 ¹ 31	13 ¹ 25	21 ¹ 20	22 ¹ 24	9 ¹ 0	25 ¹ 7
W14	19 43 51	24 ⁵⁸ '26	2 ³ 46	21 ¹ 47	10 ¹ 36	2 ¹ 40	29 ¹ 21	2 ¹ 50	20 ¹ 35	0 ¹ 33	13 ¹ 27	21 ¹ 16	22 ¹ 21	9 ¹ 7	25 ¹ 6
T 15	19 47 47	25 ⁵⁵ '51	15 ¹ 29	22 ¹ 30	11 ¹ 49	3 ¹ 17	29 ¹ R21	2 ¹ 57	20 ¹ 34	0 ¹ 36	13 ¹ 28	21 ¹ 12	22 ¹ 18	9 ¹ 13	25 ¹ 5
F 16	19 51 44	26 ⁵³ '17	28 ¹ 28	23 ¹ 9	13 ¹ 3	3 ¹ 55	29 ¹ 21	3 ¹ 3	20 ¹ 32	0 ¹ 38	13 ¹ 29	21 ¹ 10	22 ¹ 14	9 ¹ 20	25 ¹ 5
S 17	19 55 41	27 ⁵⁰ '44	11 ¹ 40	23 ¹ 45	14 ¹ 16	4 ¹ 33	29 ¹ 21	3 ¹ 10	20 ¹ 31	0 ¹ 40	13 ¹ 30	21 ¹ 8	22 ¹ 11	9 ¹ 27	25 ¹ 4
S 18	19 59 37	28 ⁴⁸ '12	25 ¹ 7	24 ¹ 16	15 ¹ 30	5 ¹ 10	29 ¹ 20	3 ¹ 16	20 ¹ 30	0 ¹ 42	13 ¹ 31	21 ¹ D 8	22 ¹ 8	9 ¹ 33	25 ¹ 3
M19	20 3 34	29 ⁴⁵ '42	8 ¹⁷ 45	24 ¹ 44	16 ¹ 44	5 ¹ 48	29 ¹ 20	3 ¹ 23	20 ¹ 29	0 ¹ 44	13 ¹ 32	21 ¹ 9	22 ¹ 5	9 ¹ 40	25 ¹ 3
T 20	20 7 30	0 ¹² 43'12	22 ¹ 34	25 ¹ 7	17 ¹ 57	6 ¹ 26	29 ¹ 19	3 ¹ 29	20 ¹ 28	0 ¹ 46	13 ¹ 33	21 ¹ 10	22 ¹ 2	9 ¹ 47	25 ¹ 3
W21	20 11 27	1 ⁴⁰ '44	6 ¹⁷ 33	25 ¹ 25	19 ¹ 11	7 ¹ 4	29 ¹ 18	3 ¹ 36	20 ¹ 26	0 ¹ 48	13 ¹ 34	21 ¹ 11	21 ¹ 58	9 ¹ 54	25 ¹ 2
T 22	20 15 23	2 ³⁸ '18	20 ¹ 38	25 ¹ 38	20 ¹ 25	7 ¹ 42	29 ¹ 17	3 ¹ 43	20 ¹ 25	0 ¹ 50	13 ¹ 35	21 ¹ 12	21 ¹ 55	10 ¹ 0	25 ¹ 2
F 23	20 19 20	3 ³⁵ '53	4 ¹⁸ 50	25 ¹ 46	21 ¹ 39	8 ¹ 20	29 ¹ 15	3 ¹ 50	20 ¹ 24	0 ¹ 52	13 ¹ 36	21 ¹ R13	21 ¹ 52	10 ¹ 7	25 ¹ 2
S 24	20 23 16	4 ³³ '30	19 ¹ 5	25 ¹ R49	22 ¹ 53	8 ¹ 58	29 ¹ 13	3 ¹ 56	20 ¹ 22	0 ¹ 54	13 ¹ 37	21 ¹ 12	21 ¹ 49	10 ¹ 14	25 ¹ D 2
S 25	20 27 13	5 ³¹ '08	3 ¹¹ 21	25 ¹ 47	24 ¹ 7	9 ¹ 36	29 ¹ 12	4 ¹ 3	20 ¹ 21	0 ¹ 55	13 ¹ 38	21 ¹ 11	21 ¹ 46	10 ¹ 20	25 ¹ 2
M26	20 31 9	6 ²⁸ '49	17 ¹ 35	25 ¹ 39	25 ¹ 21	10 ¹ 14	29 ¹ 10	4 ¹ 10	20 ¹ 19	0 ¹ 57	13 ¹ 39	21 ¹ 9	21 ¹ 43	10 ¹ 27	25 ¹ 2
T 27	20 35 6	7 ²⁶ '30	1 ¹ 543	25 ¹ 26	26 ¹ 34	10 ¹ 52	29 ¹ 7	4 ¹ 17	20 ¹ 18	0 ¹ 59	13 ¹ 40	21 ¹ 8	21 ¹ 39	10 ¹ 34	25 ¹ 3
W28	20 39 3	8 ²⁴ '14	15 ¹ 41	25 ¹ 7	27 ¹ 48	11 ¹ 30	29 ¹ 5	4 ¹ 24	20 ¹ 16	1 ¹ 1	13 ¹ 41	21 ¹ 6	21 ¹ 36	10 ¹ 41	25 ¹ 3
T 29	20 42 59	9 ²¹ '58	29 ¹ 26	24 ¹ 42	29 ¹ 2	12 ¹ 9	29 ¹ 2	4 ¹ 31	20 ¹ 14	1 ¹ 3	13 ¹ 42	21 ¹ 5	21 ¹ 33	10 ¹ 47	25 ¹ 3
F 30	20 46 56	10 ¹⁹ '45	12 ¹ 56	24 ¹ 12	0 ¹ 17	12 ¹ 47	29 ¹ 0	4 ¹ 38	20 ¹ 13	1 ¹ 5	13 ¹ 43	21 ¹ 4	21 ¹ 30	10 ¹ 54	25 ¹ 4
S 31	20 50 52	11 ¹⁷ '32	26 ¹ 8	23 ¹ 36	1 ¹ 31	13 ¹ 25	28 ¹ X57	4 ¹ 45	20 ¹ X11	1 ¹ 57	13 ¹ 44	21 ¹ D 4	21 ¹ 27	11 ¹ 1	25 ¹ M 5

Delta T = 34m17s

Julian Calendar 1 July 919 == Greg. Calendar 6 July 919

AUGUST 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	20 54 49	12 ¹⁵ '21	9 ¹¹ 2	22 ¹ R56	2 ¹² 45	14 ¹ 11	28 ¹ R53	4 ¹ 52	20 ¹ R 9	1 ¹ 58	13 ¹ 44	21 ¹ 5	21 ¹ 24	11 ¹ 8	25 ¹ M 5
M 2	20 58 45	13 ¹³ '11	21 ¹ 38	22 ¹ 11	3 ¹ 59	14 ¹ 42	28 ¹ X50	4 ¹ 59	20 ¹ X 7	1 ¹ 10	13 ¹ 45	21 ¹ 5	21 ¹ 20	11 ¹ 14	25 ¹ 6
T 3	21 2 42	14 ¹¹ '03	3 ¹² 59	21 ¹ 23	5 ¹ 13	15 ¹ 21	28 ¹ 46	5 ¹ 6	20 ¹ 6	1 ¹ 12	13 ¹ 46	21 ¹ 6	21 ¹ 17	11 ¹ 21	25 ¹ 7
W 4	21 6 38	15 ⁸ '56	16 ¹ 7	20 ¹ 32	6 ¹ 27	15 ¹ 59	28 ¹ 43	5 ¹ 14	20 ¹ 4	1 ¹ 14	13 ¹ 47	21 ¹ 7	21 ¹ 14	11 ¹ 28	25 ¹ 8
T 5	21 10 35	16 ⁶ '50	28 ¹ 6	19 ¹ 38	7 ¹ 41	16 ¹ 38	28 ¹ 39	5 ¹ 21	20 ¹ 2	1 ¹ 15	13 ¹ 47	21 ¹ 7	21 ¹ 11	11 ¹ 34	25 ¹ 9
F 6	21 14 32	17 ⁴ '46	10 ¹ 0	18 ¹ 43	8 ¹ 56	17 ¹ 17	28 ¹ 35	5 ¹ 28	20 ¹ 0	1 ¹ 17	13 ¹ 48	21 ¹ 7	21 ¹ 8	11 ¹ 41	25 ¹ 11
S 7	21 18 28	18 ² '43	21 ¹ 54	17 ¹ 48	10 ¹ 10	17 ¹ 56	28 ¹ 30	5 ¹ 35	19 ¹ 58	1 ¹ 19	13 ¹ 49	21 ¹ R 7	21 ¹ 4	11 ¹ 48	25 ¹ 12
S 8	21 22 25	19 ⁰ '42	3 ¹⁷ 51	16 ¹ 54	11 ¹ 24	18 ¹ 34	28 ¹ 26	5 ¹ 42	19 ¹ 56	1 ¹ 20	13 ¹ 50	21 ¹ 7	21 ¹ 1	11 ¹ 55	25 ¹ 13
M 9	21 26 21	19 ⁵⁸ '42	15 ¹ 57	16 ¹ 3	12 ¹ 38	19 ¹ 13	28 ¹ 21	5 ¹ 50	19 ¹ 54	1 ¹ 22	13 ¹ 50	21 ¹ 7	20 ¹ 58	12 ¹ 1	25 ¹ 15
T 10	21 30 18	20 ⁵⁶ '43	28 ¹ 16	15 ¹ 15	13 ¹ 53	19 ¹ 52	28 ¹ 17	5 ¹ 57	19 ¹ 52	1 ¹ 24	13 ¹ 51	21 ¹ D 7	20 ¹ 55	12 ¹ 8	25 ¹ 17
W11	21 34 14	21 ⁵⁴ '46	10 ¹ 51	14 ¹ 31	15 ¹ 7	20 ¹ 31	28 ¹ 12	6 ¹ 4	19 ¹ 50	1 ¹ 25	13 ¹ 52	21 ¹ 7	20 ¹ 52	12 ¹ 15	25 ¹ 18
T 12	21 38 11	22 ⁵² '50	23 ¹ 45	13 ¹ 53	16 ¹ 21	21 ¹ 10	28 ¹ 6	6 ¹ 12	19 ¹ 48	1 ¹ 27	13 ¹ 52	21 ¹ 7	20 ¹ 49	12 ¹ 21	25 ¹ 20
F 13	21 42 7	23 ⁵⁰ '56	6 ¹ 58	13 ¹ 21	17 ¹ 36	21 ¹ 49	28 ¹ 1	6 ¹ 19	19 ¹ 46	1 ¹ 28	13 ¹ 53	21 ¹ 7	20 ¹ 45	12 ¹ 28	25 ¹ 22
S 14	21 46 4	24 ⁴⁹ '04	20 ¹ 31	12 ¹ 57	18 ¹ 50	22 ¹ 28	27 ¹ 56	6 ¹ 26	19 ¹ 44	1 ¹ 30	13 ¹ 53	21 ¹ R 8	20 ¹ 42	12 ¹ 35	25 ¹ 24
S 15	21 50 1	25 ⁴⁷ '13	4 ¹⁷ 22	12 ¹ 40	20 ¹ 5	23 ¹ 7	27 ¹ 50	6 ¹ 34	19 ¹ 42	1 ¹ 31	13 ¹ 54	21 ¹ 7	20 ¹ 39	12 ¹ 42	25 ¹ 26
M16	21 53 57	26 ⁴⁵ '24	18 ¹ 27	12 ¹ D32	21 ¹ 19	23 ¹ 47	27 ¹ 44	6 ¹ 41	19 ¹ 40	1 ¹ 33	13 ¹ 55	21 ¹ 7	20 ¹ 36	12 ¹ 48	25 ¹ 28
T 17	21 57 54	27 ⁴³ '37	2 ¹⁷ 44	12 ¹ 32	22 ¹ 34	24 ¹ 26	27 ¹ 39	6 ¹ 49	19 ¹ 38	1 ¹ 34	13 ¹ 55	21 ¹			

SWISS EPHEMERIS for the year 919

SEPTEMBER 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
W 1	22 57 2	12♍21'08	24♌9	28♋2	11♍14	4♌21	25°R55	8♍40	19°R 3	1♌52	14♋1	20°R57	19♌45	14♍36	26♎15									
T 2	23 0 59	13°19'54	6♎7	29°44	12°29	5° 1	25♋47	8°48	19°R 0	1°53	14° 1	20♌54	19°42	14°43	26°18									
F 3	23 4 55	14°18'42	17°59	1♍28	13°44	5°41	25°40	8°55	18°58	1°54	14° 1	20°51	19°39	14°49	26°22									
S 4	23 8 52	15°17'32	29°52	3°15	14°58	6°22	25°32	9° 3	18°56	1°55	14° 1	20°49	19°35	14°56	26°26									
S 5	23 12 48	16°16'23	11♌47	5° 2	16°13	7° 2	25°24	9°10	18°53	1°56	14° 1	20°D48	19°32	15° 3	26°30									
M 6	23 16 45	17°15'17	23°51	6°50	17°28	7°42	25°16	9°18	18°51	1°57	14° 1	20°48	19°29	15°10	26°33									
T 7	23 20 41	18°14'12	6♌7	8°39	18°43	8°23	25° 8	9°25	18°48	1°57	14° 1	20°49	19°26	15°16	26°38									
W 8	23 24 38	19°13'09	18°41	10°28	19°58	9° 3	25° 0	9°32	18°46	1°58	14° 1	20°51	19°23	15°23	26°42									
T 9	23 28 34	20°12'08	1♌37	12°17	21°13	9°43	24°52	9°40	18°44	1°59	14° 1	20°52	19°20	15°30	26°46									
F 10	23 32 31	21°11'09	14°56	14° 6	22°28	10°24	24°44	9°47	18°41	2° 0	14°R 1	20°R53	19°16	15°36	26°50									
S 11	23 36 28	22°10'12	28°41	15°54	23°43	11° 5	24°36	9°55	18°39	2° 0	14° 1	20°53	19°13	15°43	26°54									
S 12	23 40 24	23° 9'16	12♋50	17°43	24°58	11°45	24°28	10° 2	18°36	2° 1	14° 1	20°52	19°10	15°50	26°59									
M13	23 44 21	24° 8'23	27°19	19°31	26°13	12°26	24°20	10° 9	18°34	2° 2	14° 1	20°48	19° 7	15°57	27° 3									
T 14	23 48 17	25° 7'31	12♋3	21°18	27°28	13° 7	24°12	10°16	18°31	2° 2	14° 1	20°44	19° 4	16° 3	27° 8									
W15	23 52 14	26° 6'42	26°55	23° 5	28°43	13°47	24° 4	10°24	18°29	2° 3	14° 1	20°39	19° 1	16°10	27°12									
T 16	23 56 10	27° 5'55	11♌845	24°51	29°58	14°28	23°56	10°31	18°27	2° 3	14° 1	20°33	18°57	16°17	27°17									
F 17	0 0 7	28° 5'11	26°26	26°37	1♌13	15° 9	23°48	10°38	18°24	2° 4	14° 1	20°29	18°54	16°24	27°22									
S 18	0 4 3	29° 4'29	10♋52	28°22	2°28	15°50	23°40	10°46	18°22	2° 4	14° 1	20°26	18°51	16°30	27°26									
S 19	0 8 0	0♌3'49	25° 1	0♌6	3°43	16°31	23°32	10°53	18°20	2° 5	14° 0	20°D25	18°48	16°37	27°31									
M20	0 11 56	1° 3'12	8♌50	1°49	4°58	17°12	23°24	11° 0	18°17	2° 5	14° 0	20°25	18°45	16°44	27°36									
T 21	0 15 53	2° 2'37	22°21	3°32	6°13	17°53	23°16	11° 7	18°15	2° 5	14° 0	20°26	18°41	16°50	27°41									
W22	0 19 50	3° 2'04	5♌34	5°14	7°28	18°35	23° 8	11°14	18°13	2° 6	14° 0	20°27	18°38	16°57	27°46									
T 23	0 23 46	4° 1'34	18°31	6°55	8°43	19°16	23° 0	11°21	18°10	2° 6	13°59	20°R28	18°35	17° 4	27°51									
F 24	0 27 43	5° 1'06	1♍16	8°35	9°58	19°57	22°53	11°28	18° 8	2° 6	13°59	20°27	18°32	17°11	27°57									
S 25	0 31 39	6° 0'40	13°49	10°15	11°13	20°39	22°45	11°35	18° 6	2° 6	13°59	20°25	18°29	17°17	28° 2									
S 26	0 35 36	7° 0'17	26°12	11°54	12°28	21°20	22°37	11°42	18° 3	2° 7	13°58	20°20	18°26	17°24	28° 7									
M27	0 39 32	7°59'55	8♌26	13°33	13°43	22° 1	22°30	11°49	18° 1	2° 7	13°58	20°13	18°22	17°31	28°13									
T 28	0 43 29	8°59'36	20°33	15°11	14°59	22°43	22°22	11°56	17°59	2° 7	13°58	20° 4	18°19	17°37	28°18									
W29	0 47 25	9°59'18	2♋32	16°48	16°14	23°25	22°15	12° 3	17°57	2° 7	13°57	19°54	18°16	17°44	28°23									
T 30	0 51 22	10°59'03	14♋27	18°24	17°29	24° 6	22°R 8	12°10	17°55	2° 7	13°57	19°44	18°13	17°51	28°29									

Delta T = 34m16s

Julian Calendar 1 Sept. 919 == Greg. Calendar 6 Sept. 919

OCTOBER 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
F 1	0 55 19	11♌58'49	26♎18	20♌0	18♌44	24♌48	22°R 1	12♍17	17°R52	2°R 7	13°R56	19°R35	18♌10	17♍58	28♎35									
S 2	0 59 15	12°58'38	8♌9	21°35	19°59	25°30	21°R54	12°24	17°R50	2°R 7	13°R56	19°R27	18° 6	18° 4	28°40									
S 3	1 3 12	13°58'28	20° 2	23°10	21°14	26°11	21°47	12°31	17°48	2° 7	13°55	19°22	18° 3	18°11	28°46									
M 4	1 7 8	14°58'20	2♌3	24°44	22°29	26°53	21°40	12°37	17°46	2° 7	13°55	19°19	18° 0	18°18	28°52									
T 5	1 11 5	15°58'14	14°15	26°18	23°44	27°35	21°33	12°44	17°44	2° 7	13°54	19°D18	17°57	18°25	28°58									
W 6	1 15 1	16°58'09	26°43	27°51	25° 0	28°17	21°27	12°51	17°42	2° 7	13°54	19°18	17°54	18°31	29° 3									
T 7	1 18 58	17°58'06	9♌33	29°24	26°15	28°59	21°20	12°57	17°40	2° 6	13°53	19°19	17°51	18°38	29° 9									
F 8	1 22 54	18°58'05	22°49	0♍56	27°30	29°41	21°14	13° 4	17°38	2° 6	13°53	19°R19	17°47	18°45	29°15									
S 9	1 26 51	19°58'05	6♋33	2°28	28°45	0♍23	21° 8	13°10	17°36	2° 6	13°52	19°18	17°44	18°51	29°21									
S 10	1 30 48	20°58'07	20°47	3°59	0♍0	1° 6	21° 2	13°17	17°34	2° 6	13°51	19°14	17°41	18°58	29°27									
M11	1 34 44	21°58'11	5♋27	5°29	1°15	1°48	20°56	13°23	17°32	2° 5	13°51	19° 8	17°38	19° 5	29°33									
T 12	1 38 41	22°58'17	20°28	7° 0	2°30	2°30	20°50	13°29	17°31	2° 5	13°50	19° 0	17°35	19°12	29°40									
W13	1 42 37	23°58'24	5♌41	8°29	3°45	3°12	20°45	13°36	17°29	2° 5	13°49	18°50	17°32	19°18	29°46									
T 14	1 46 34	24°58'33	20°54	9°59	5° 1	3°55	20°39	13°42	17°27	2° 4	13°49	18°40	17°28	19°25	29°52									
F 15	1 50 30	25°58'45	5♋58	11°27	6°16	4°37	20°34	13°48	17°25	2° 4	13°48	18°31	17°25	19°32	29°58									
S 16	1 54 27	26°58'59	20°44	12°55	7°31	5°20	20°29	13°54	17°23	2° 3	13°47	18°24	17°22	19°38	0♌ 4									
S 17	1 58 23	27°59'14	5♌5	14°23	8°46	6° 2	20°24	14° 0	17°22	2° 3	13°46	18°20	17°19	19°45	0°11									
M18	2 2 20	28°59'32	18°59	15°50	10° 1	6°45	20°19	14° 6	17°20	2° 2	13°45	18°18	17°16	19°52	0°17									
T 19	2 6 17	29°59'52	2♋29	17°17	11°16	7°28	20°15	14°12	17°19	2° 2	13°45	18°D17	17°12	19°59	0°24									
W20	2 10 13	1♍0'14	15°35	18°43	12°31	8°10	20°11	14°18	17°17	2° 1	13°44	18°R17	17° 9	20° 5	0°30									
T 21	2 14 10	2° 0'38	28°21	20° 8	13°47	8°53	20° 6	14°24	17°15	2° 0	13°43	18°17	17° 6	20°12	0°37									
F 22	2 18 6	3° 1'03	10♍52	21°32	15° 2	9°36	20° 2	14°30	17°14	2° 0	13°42	18°15	17° 3	20°19	0°43									
S 23	2 22 3	4° 1'31	23°11	22°56	16°17	10°19	19°59	14°36	17°13	1°59	13°41	18°10	17° 0	20°26	0°50									
S 24	2 25 59	5° 2'01	5♌21	24°19	17°32	11° 2	19°55	14°41	17°11	1°58	13°40	18° 2	16°57	20°32	0°56									
M25	2 29 56	6° 2'32	17°24	25°41	18°47	11°45	19°52	14°47	17°10	1°57	13°40	17°52	16°53	20°39	1° 3									
T 26	2 33 52	7° 3'05	29°22	27° 2	20° 2	12°28	19°48	14°52	17° 8	1°57	13°39	17°38	16°50	20°46	1° 9									
W27	2 37 49	8° 3'39	11♍17	28°22	21°18	13°11	19°45	14°58	17° 7	1°56	13°38	17°24	16°47	20°52	1°16									
T 28	2 41 45	9° 4'16	23° 9	29°40	22																			

SWISS EPHEMERIS for the year 919

NOVEMBER 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
M 1	2 57 32	13♈ 6°55	10♋48	4♌37	27♈33	16♈47	19°R33	15♎24	17°R 2	1°R51	13°R33	16°R27	16♌31	21♈26	1♌50
T 2	3 1 28	14° 7'38	22°59	5°46	28°48	17°31	19♋32	15°29	17♎ 1	1♁50	13♈32	16♌24	16°28	21°33	1°57
W 3	3 5 25	15° 8'22	5♌24	6°52	0♌ 4	18°14	19°30	15°34	17° 0	1°49	13°31	16°23	16°25	21°40	2° 4
T 4	3 9 21	16° 9'07	18° 7	7°55	1°19	18°58	19°29	15°39	16°59	1°48	13°30	16°23	16°22	21°46	2°10
F 5	3 13 18	17° 9'54	1♌14	8°55	2°34	19°41	19°27	15°44	16°58	1°47	13°29	16°22	16°18	21°53	2°17
S 6	3 17 14	18°10'41	14°49	9°50	3°49	20°25	19°26	15°49	16°57	1°46	13°28	16°21	16°15	22° 0	2°24
S 7	3 21 11	19°11'29	28°53	10°41	5° 4	21° 9	19°26	15°53	16°56	1°45	13°27	16°17	16°12	22° 6	2°31
M 8	3 25 8	20°12'18	13♎27	11°26	6°19	21°52	19°25	15°58	16°55	1°44	13°26	16°10	16° 9	22°13	2°38
T 9	3 29 4	21°13'08	28°27	12° 5	7°34	22°36	19°25	16° 2	16°55	1°42	13°24	16° 0	16° 6	22°20	2°45
W10	3 33 1	22°14'00	13♌43	12°38	8°49	23°20	19°D25	16° 7	16°54	1°41	13°23	15°49	16° 3	22°27	2°52
T11	3 36 57	23°14'52	29° 7	13° 3	10° 4	24° 4	19°25	16°11	16°54	1°40	13°22	15°37	15°59	22°33	2°59
F12	3 40 54	24°15'46	14♈24	13°20	11°19	24°48	19°25	16°15	16°53	1°39	13°21	15°27	15°56	22°40	3° 6
S13	3 44 50	25°16'41	29°26	13°R27	12°34	25°32	19°25	16°19	16°53	1°37	13°20	15°18	15°53	22°47	3°13
S14	3 48 47	26°17'37	14♁ 2	13°25	13°49	26°16	19°26	16°23	16°52	1°36	13°19	15°12	15°50	22°53	3°20
M15	3 52 43	27°18'35	28° 9	13°12	15° 4	27° 0	19°27	16°27	16°52	1°35	13°18	15° 9	15°47	23° 0	3°27
T16	3 56 40	28°19'34	11♌47	12°48	16°20	27°44	19°28	16°31	16°52	1°33	13°17	15°D 9	15°43	23° 7	3°34
W17	4 0 37	29°20'34	24°58	12°12	17°35	28°28	19°29	16°35	16°51	1°32	13°16	15°R 9	15°40	23°14	3°41
T18	4 4 33	0♌21'35	7♎45	11°25	18°50	29°12	19°31	16°39	16°51	1°31	13°14	15° 8	15°37	23°20	3°48
F19	4 8 30	1°22'37	20°12	10°28	20° 5	29°57	19°33	16°42	16°51	1°29	13°13	15° 7	15°34	23°27	3°55
S20	4 12 26	2°23'41	2♌25	9°21	21°20	0♌41	19°35	16°46	16°51	1°28	13°12	15° 3	15°31	23°34	4° 2
S21	4 16 23	3°24'45	14°28	8° 7	22°35	1°25	19°37	16°49	16°51	1°26	13°11	14°56	15°28	23°41	4° 9
M22	4 20 19	4°25'51	26°24	6°47	23°50	2°10	19°39	16°53	16°D51	1°25	13°10	14°47	15°24	23°47	4°16
T23	4 24 16	5°26'57	8♈17	5°25	25° 5	2°54	19°42	16°56	16°51	1°23	13° 9	14°35	15°21	23°54	4°23
W24	4 28 12	6°28'04	20° 9	4° 2	26°20	3°39	19°44	16°59	16°51	1°22	13° 7	14°21	15°18	24° 1	4°30
T25	4 32 9	7°29'12	2♌ 1	2°42	27°35	4°23	19°47	17° 2	16°51	1°20	13° 6	14° 7	15°15	24° 7	4°37
F26	4 36 6	8°30'21	13°55	1°28	28°50	5° 8	19°50	17° 5	16°51	1°19	13° 5	13°55	15°12	24°14	4°44
S27	4 40 2	9°31'31	25°52	0°20	0♁ 5	5°53	19°54	17° 8	16°51	1°17	13° 4	13°43	15° 9	24°21	4°51
S28	4 43 59	10°32'40	7♁54	29♈22	1°20	6°37	19°57	17°11	16°52	1°16	13° 3	13°35	15° 5	24°28	4°58
M29	4 47 55	11°33'51	20° 2	28°34	2°35	7°22	20° 1	17°13	16°52	1°14	13° 1	13°29	15° 2	24°34	5° 5
T30	4 51 52	12°35'01	2♌19	27♈57	3♁50	8♌ 7	20♋ 5	17♎16	16♋52	1♁13	13♈ 0	13♈27	14♌59	24♈41	5♌12

Delta T = 34m15s

Julian Calendar 1 Nov. 919 == Greg. Calendar 6 Nov. 919

DECEMBER 919 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	4 55 48	13♌36'12	14♌48	27°R31	5♁ 5	8♌52	20♋ 9	17♎18	16♋53	1°R11	12°R59	13♈26	14♌56	24♈48	5♌19
T 2	4 59 45	14°37'23	27°32	27♈16	6°19	9°37	20°13	17°21	16°53	1♁ 9	12♈58	13°27	14°53	24°54	5°26
F 3	5 3 41	15°38'34	10♋35	27°D11	7°34	10°22	20°18	17°23	16°54	1° 8	12°57	13°R27	14°49	25° 1	5°33
S 4	5 7 38	16°39'45	24° 1	27°15	8°49	11° 7	20°23	17°25	16°55	1° 6	12°55	13°27	14°46	25° 8	5°39
S 5	5 11 35	17°40'56	7♎53	27°28	10° 4	11°52	20°27	17°27	16°55	1° 5	12°54	13°25	14°43	25°15	5°46
M 6	5 15 31	18°42'07	22°11	27°50	11°19	12°37	20°33	17°29	16°56	1° 3	12°53	13°21	14°40	25°21	5°53
T 7	5 19 28	19°43'18	6♁53	28°19	12°34	13°22	20°38	17°31	16°57	1° 1	12°52	13°15	14°37	25°28	6° 0
W 8	5 23 24	20°44'29	21°54	28°54	13°49	14° 7	20°43	17°32	16°58	1° 0	12°51	13° 7	14°34	25°35	6° 7
T 9	5 27 21	21°45'40	7♈ 6	29°36	15° 3	14°52	20°49	17°34	16°58	0°58	12°50	12°58	14°30	25°42	6°14
F10	5 31 17	22°46'51	22°18	0♌22	16°18	15°38	20°55	17°36	16°59	0°56	12°48	12°51	14°27	25°48	6°20
S11	5 35 14	23°48'02	7♁20	1°14	17°33	16°23	21° 1	17°37	17° 0	0°55	12°47	12°44	14°24	25°55	6°27
S12	5 39 11	24°49'14	22° 2	2° 9	18°48	17° 8	21° 7	17°38	17° 1	0°53	12°46	12°40	14°21	26° 2	6°34
M13	5 43 7	25°50'25	6♈19	3° 8	20° 2	17°54	21°13	17°39	17° 2	0°51	12°45	12°D38	14°18	26° 8	6°41
T14	5 47 4	26°51'36	20° 7	4°11	21°17	18°39	21°19	17°41	17° 4	0°49	12°44	12°39	14°15	26°15	6°47
W15	5 51 0	27°52'48	3♎27	5°16	22°32	19°25	21°26	17°41	17° 5	0°48	12°43	12°40	14°11	26°22	6°54
T16	5 54 57	28°54'00	16°21	6°24	23°46	20°10	21°33	17°42	17° 6	0°46	12°41	12°41	14° 8	26°29	7° 1
F17	5 58 53	29°55'11	28°53	7°34	25° 1	20°56	21°40	17°43	17° 7	0°44	12°40	12°R42	14° 5	26°35	7° 7
S18	6 2 50	0♁56'23	11♌ 8	8°47	26°16	21°41	21°47	17°44	17° 8	0°43	12°39	12°41	14° 2	26°42	7°14
S19	6 6 46	1°57'35	23°11	10° 1	27°30	22°27	21°54	17°44	17°10	0°41	12°38	12°39	13°59	26°49	7°21
M20	6 10 43	2°58'47	5♈ 6	11°17	28°45	23°13	22° 2	17°45	17°11	0°39	12°37	12°34	13°55	26°55	7°27
T21	6 14 40	3°59'59	16°57	12°35	0♁ 0	23°58	22° 9	17°45	17°13	0°38	12°36	12°28	13°52	27° 2	7°34
W22	6 18 36	5° 1'10	28°48	13°53	1°14	24°44	22°17	17°45	17°14	0°36	12°35	12°21	13°49	27° 9	7°40
T23	6 22 33	6° 2'22	10♌42	15°13	2°29	25°30	22°25	17°R45	17°16	0°34	12°34	12°14	13°46	27°16	7°46
F24	6 26 29	7° 3'33	22°40	16°35	3°43	26°16	22°33	17°45	17°17	0°32	12°33	12° 7	13°43	27°22	7°53
S25	6 30 26	8° 4'44	4♁45	17°57	4°58	27° 2	22°41	17°45	17°19	0°31	12°32	12° 1	13°40	27°29	7°59
S26	6 34 22	9° 5'54	16°58	19°20	6°12	27°47	22°49	17°45	17°21	0°29	12°30	11°57	13°36	27°36	8° 5
M27	6 38 19	10° 7'04	29°20	20°44	7°26	28°33	22°58	17°45	17°22	0°27	12°29	11°55	13°33	27°43	8°12
T28	6 42 15	11° 8'13	11♌52	22° 9	8°41	29°19	23° 7	17°44	17°24	0°26	12°28	11°D54	13°30	27°49	8°18
W29	6 46 12	12° 9'21	24°36	23°35	9°55	0♁ 5	23°15	17°44	17°26	0°24	12°27	11°54	13°27	27°56	8°24
T30	6 50 9	13°10'28	7♋33	25° 2	11°10	0°51	23°24	17°43	17°28	0°22	12°26	11°56	13°24	28° 3	8°30
F31	6 54 5	14♁11'34	20♋44	26♌29	12♌24	1♁37	23♋33	17♎42	17♋30	0♁21	12♈25	11♌58	13♈21	28♈ 9	8♌36

Delta T = 34m14s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]