

SWISS EPHEMERIS for the year 1063

JANUARY 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	7 3 24	16°30'39	29°7'6	25°27'35	0°27'12	11°23'23	16°26'26	20°R 9	12°27'41	12°R58	29°26'6	9°R 8	7°27'25	27°27'7	21°R29	
T 2	7 7 21	17°31'45	10°28'59	25°25'45	1°18'18	12°10'10	16°32'32	20°28'4	12°24'44	12°28'57	29°7'7	9°27'3	7°21'21	27°13'13	21°28'25	
F 3	7 11 17	18°32'50	22°22'49	26°2'26	2°24'24	12°57'57	16°37'37	19°59'59	12°47'47	12°57'57	29°8'8	8°57'57	7°18'18	27°20'20	21°20'20	
S 4	7 15 14	19°33'55	4°28'39	26°26'26	3°30'30	13°43'43	16°43'43	19°54'54	12°51'51	12°57'57	29°10'10	8°50'50	7°15'15	27°27'27	21°16'16	
S 5	7 19 10	20°34'58	16°31'31	26°56'56	4°36'36	14°30'30	16°49'49	19°49'49	12°54'54	12°56'56	29°11'11	8°41'41	7°12'12	27°34'34	21°12'12	
M 6	7 23 7	21°36'00	28°25'25	27°32'32	5°43'43	15°17'17	16°55'55	19°44'44	12°57'57	12°56'56	29°12'12	8°33'33	7°9'9	27°40'40	21°7'7	
T 7	7 27 3	22°37'02	10°28'25	28°12'12	6°49'49	16°4'4	17°2'2	19°39'39	13°0'0	12°55'55	29°14'14	8°25'25	7°6'6	27°47'47	21°3'3	
W 8	7 31 0	23°38'02	22°32'32	28°57'57	7°56'56	16°51'51	17°8'8	19°34'34	13°3'3	12°55'55	29°15'15	8°19'19	7°2'2	27°54'54	20°58'58	
T 9	7 34 57	24°39'01	4°27'51	29°46'46	9°3'3	17°37'37	17°15'15	19°29'29	13°6'6	12°55'55	29°16'16	8°15'15	6°59'59	28°0'0	20°54'54	
F 10	7 38 53	25°39'58	17°25'58	0°28'38	10°11'11	18°24'24	17°22'22	19°24'24	13°9'9	12°54'54	29°18'18	8°12'12	6°56'56	28°7'7	20°50'50	
S 11	7 42 50	26°40'55	0°17'17	1°34'34	11°18'18	19°11'11	17°29'29	19°19'19	13°11'11	12°54'54	29°19'19	8°D12	6°53'53	28°14'14	20°45'45	
S 12	7 46 46	27°41'50	13°33'33	2°33'33	12°26'26	19°58'58	17°36'36	19°15'15	13°14'14	12°54'54	29°20'20	8°13'13	6°50'50	28°20'20	20°41'41	
M13	7 50 43	28°42'43	27°14'14	3°35'35	13°34'34	20°45'45	17°43'43	19°10'10	13°17'17	12°54'54	29°22'22	8°14'14	6°47'47	28°27'27	20°37'37	
T 14	7 54 39	29°43'36	11°22'24	4°39'39	14°42'42	21°32'32	17°51'51	19°5'5	13°20'20	12°54'54	29°23'23	8°R14	6°43'43	28°34'34	20°32'32	
W15	7 58 36	0°28'44'27	26°0'0	5°46'46	15°50'50	22°19'19	17°58'58	19°0'0	13°23'23	12°54'54	29°25'25	8°13'13	6°40'40	28°40'40	20°28'28	
T 16	8 2 32	1°45'16	10°28'59	6°55'55	16°58'58	23°6'6	18°6'6	18°55'55	13°26'26	12°53'53	29°26'26	8°9'9	6°37'37	28°47'47	20°24'24	
F 17	8 6 29	2°46'04	26°14'14	8°5'5	18°6'6	23°53'53	18°14'14	18°51'51	13°28'28	12°D53	29°28'28	8°3'3	6°34'34	28°54'54	20°20'20	
S 18	8 10 26	3°46'51	11°23'34	9°18'18	19°15'15	24°40'40	18°22'22	18°46'46	13°31'31	12°53'53	29°29'29	7°55'55	6°31'31	29°1'1	20°15'15	
S 19	8 14 22	4°47'36	26°49'49	10°32'32	20°24'24	25°27'27	18°30'30	18°41'41	13°33'33	12°54'54	29°31'31	7°46'46	6°27'27	29°7'7	20°11'11	
M20	8 18 19	5°48'20	11°27'47	11°48'48	21°33'33	26°14'14	18°39'39	18°37'37	13°36'36	12°54'54	29°32'32	7°38'38	6°24'24	29°14'14	20°7'7	
T 21	8 22 15	6°49'03	26°21'21	13°6'6	22°42'42	27°1'1	18°47'47	18°32'32	13°39'39	12°54'54	29°34'34	7°30'30	6°21'21	29°21'21	20°3'3	
W22	8 26 12	7°49'45	10°28'25	14°24'24	23°51'51	27°48'48	18°56'56	18°28'28	13°41'41	12°54'54	29°35'35	7°24'24	6°18'18	29°27'27	19°59'59	
T 23	8 30 8	8°50'26	23°59'59	15°45'45	25°0'0	28°35'35	19°5'5	18°23'23	13°44'44	12°54'54	29°37'37	7°21'21	6°15'15	29°34'34	19°55'55	
F 24	8 34 5	9°51'05	7°11'4	17°6'6	26°9'9	29°22'22	19°13'13	18°19'19	13°46'46	12°54'54	29°38'38	7°D20	6°12'12	29°41'41	19°51'51	
S 25	8 38 1	10°51'44	19°45'45	18°29'29	27°19'19	0°28'28	19°22'22	18°14'14	13°48'48	12°54'54	29°40'40	7°20'20	6°8'8	29°47'47	19°47'47	
S 26	8 41 58	11°52'21	2°27'7	19°52'52	28°28'28	0°57'57	19°32'32	18°10'10	13°51'51	12°55'55	29°41'41	7°R21	6°5'5	29°54'54	19°43'43	
M27	8 45 55	12°52'57	14°13'13	21°17'17	29°38'38	1°44'44	19°41'41	18°6'6	13°53'53	12°55'55	29°43'43	7°21'21	6°2'2	0°28'28	19°39'39	
T 28	8 49 51	13°53'32	26°10'10	22°44'44	0°28'48	2°31'31	19°50'50	18°2'2	13°55'55	12°55'55	29°44'44	7°19'19	5°59'59	0°8'8	19°35'35	
W29	8 53 48	14°54'05	8°2'1	24°11'11	1°58'58	3°18'18	20°0'0	17°58'58	13°58'58	12°56'56	29°46'46	7°14'14	5°56'56	0°14'14	19°31'31	
T 30	8 57 44	15°54'37	19°49'49	25°39'39	3°8'8	4°5'5	20°10'10	17°53'53	14°0'0	12°56'56	29°48'48	7°7'7	5°53'53	0°21'21	19°27'27	
F 31	9 1 41	16°55'07	1°28'39	27°28'28	4°28'18	4°28'52	20°19'19	17°28'49	14°2'2	12°28'57	29°49'49	6°27'57	5°27'49	0°28'28	19°24'24	

Delta T = 21m05s Julian Calendar 1 Jan. 1063 == Greg. Calendar 7 Jan. 1063

FEBRUARY 1063 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	9 5 37	17°55'36	13°28'31	28°28'38	5°28'28	5°28'40	20°29'29	17°R46	14°27'4	12°28'57	29°28'51	6°R45	5°27'46	0°28'34	19°R20	
S 2	9 9 34	18°56'03	25°27'27	0°28'9	6°38'38	6°27'27	20°39'39	17°28'42	14°6'6	12°58'58	29°52'52	6°27'31	5°43'43	0°41'41	19°28'17	
M 3	9 13 30	19°56'28	7°28'29	1°42'42	7°49'49	7°14'14	20°49'49	17°38'38	14°8'8	12°58'58	29°54'54	6°17'17	5°40'40	0°48'48	19°13'13	
T 4	9 17 27	20°56'51	19°37'37	3°15'15	8°59'59	8°1'1	21°0'0	17°34'34	14°10'10	12°59'59	29°56'56	6°4'4	5°37'37	0°54'54	19°10'10	
W 5	9 21 24	21°57'13	1°27'53	4°49'49	10°10'10	8°48'48	21°10'10	17°31'31	14°12'12	13°0'0	29°57'57	5°53'53	5°33'33	1°1'1	19°6'6	
T 6	9 25 20	22°57'33	14°19'19	6°24'24	11°20'20	9°36'36	21°21'21	17°27'27	14°14'14	13°0'0	29°59'59	5°44'44	5°30'30	1°8'8	19°3'3	
F 7	9 29 17	23°57'50	26°57'57	8°1'1	12°31'31	10°23'23	21°31'31	17°24'24	14°16'16	13°1'1	0°28'0	5°39'39	5°27'27	1°15'15	19°0'0	
S 8	9 33 13	24°58'06	9°28'49	9°38'38	13°42'42	11°10'10	21°42'42	17°20'20	14°17'17	13°2'2	0°2'2	5°36'36	5°24'24	1°21'21	18°56'56	
S 9	9 37 10	25°58'19	23°0'0	11°16'16	14°52'52	11°57'57	21°53'53	17°17'17	14°19'19	13°2'2	0°4'4	5°D36	5°21'21	1°28'28	18°53'53	
M10	9 41 6	26°58'31	6°28'31	12°55'55	16°3'3	12°45'45	22°3'3	17°14'14	14°21'21	13°3'3	0°5'5	5°R36	5°18'18	1°35'35	18°50'50	
T 11	9 45 3	27°58'40	20°27'27	14°36'36	17°14'14	13°32'32	22°14'14	17°10'10	14°22'22	13°4'4	0°7'7	5°35'35	5°14'14	1°41'41	18°47'47	
W12	9 48 59	28°58'47	4°28'47	16°17'17	18°25'25	14°19'19	22°26'26	17°7'7	14°24'24	13°5'5	0°8'8	5°33'33	5°11'11	1°48'48	18°44'44	
T 13	9 52 56	29°58'52	19°29'29	17°59'59	19°36'36	15°6'6	22°37'37	17°4'4	14°25'25	13°6'6	0°10'10	5°28'28	5°8'8	1°55'55	18°42'42	
F 14	9 56 53	0°28'58'55	4°28'29	19°43'43	20°47'47	15°53'53	22°48'48	17°2'2	14°27'27	13°7'7	0°12'12	5°20'20	5°5'5	2°1'1	18°39'39	
S 15	10 0 49	1°58'56	19°39'39	21°27'27	21°58'58	16°41'41	22°59'59	16°59'59	14°28'28	13°8'8	0°13'13	5°10'10	5°2'2	2°8'8	18°36'36	
S 16	10 4 46	2°58'55	4°28'49	23°13'13	23°9'9	17°28'28	23°11'11	16°56'56	14°30'30	13°9'9	0°15'15	4°59'59	4°58'58	2°15'15	18°34'34	
M17	10 8 42	3°58'51	19°48'48	25°0'0	24°21'21	18°15'15	23°22'22	16°54'54	14°31'31	13°10'10	0°16'16	4°47'47	4°55'55	2°22'22	18°31'31	
T 18	10 12 39	4°58'46	4°28'26	26°48'48	25°32'32	19°2'2	23°34'34	16°51'51	14°32'32	13°11'11	0°18'18	4°37'37	4°52'52	2°28'28	18°29'29	
W19	10 16 35	5°58'39	18°38'38	28°37'37	26°43'43	19°49'49	23°46'46	16°49'49	14°34'34	13°12'12	0°20'20	4°29'29	4°49'49	2°35'35	18°26'26	
T 20	10 20 32	6°58'31	2°28'20	0°28'27	27°55'55	20°36'36	23°58'58	16°46'46	14°35'35	13°13'13	0°21'21	4°23'23	4°46'46	2°42'42	18°24'24	
F 21	10 24 28	7°58'20	15°33'33	2°18'18	29°6'6	21°24'24	24°10'10	16°44'44	14°36'36	13°14'14	0°23'23	4°21'21	4°43'43	2°48'48	18°22'22	
S 22	10 28 25	8°58'08	28°19'19	4°11'11	0°28'18	22°11'11	24°22'22	16°42'42	14°37'37	13°15'15	0°25'25	4°20'20	4°39'39	2°55'55	18°20'20	
S 23	10 32 22	9°57'54	10°27'44	6°5'5	1°29'29	22°58'58	24°34'34	16°40'40	14°38'38	13°16'16	0°26'26	4°20'20	4°36'36	3°2'2	18°18'18	
M24	10 36 18	10°57'39	22°52'52	7°59'59	2°41'41	23°45'45	24°46'46	16°38'38	14°39'39	13°18'18	0°28'28	4°19'19	4°33'33	3°8'8	18°16'16	
T 25	10 40 15	11°57'21	4°28'48	9°55'55	3°52'52	24°32'32	24°58'58	16°37'37	14°40'40	13°19'19	0°29'29	4°17'17	4°30'30	3°15'15	18°14'14	
W26	10 44 11	12°57'02	16°38'38	11°52'52	5°4'4	25°19'19	25°10'10	16°35'35	14°41'41	13°20'20	0°31'31	4°13'13	4°27'27	3°22'22	18°13'13	
T 27	10 48 8	13°56'41	28°27'27	13°50'50	6°16'16	26°6'6	25°23'23	16°33'33	14°42'42	13°21'21	0°32'32	4°6'6	4°24'24	3°29'29	18°11'11	
F 28	10 52 4	14°56'18	10°28'17	15°49'49	7°28'28	26°54'54	25°27'35	16°32'32	14°42'42	13°22'22	0°34'34	3°27'56	4°24'24	3°28'28	18°10'10	

SWISS EPHEMERIS for the year 1063

MARCH 1063 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
S 1	10 56 1	15X55'53	22∞13	17X48	8∞39	27∞41	25Y48	16°R31	14X43	13B24	0X36	3°R44	4X17	3∞42	18°R 8	
S 2	10 59 57	16°55'27	4X16	19°49	9°51	28°28	26° 0	16B29	14°44	13°26	0°37	3X31	4°14	3°49	18B 7	
M 3	11 3 54	17°54'58	16°28	21°50	11° 3	29°15	26°13	16°28	14°44	13°27	0°39	3°17	4°11	3°55	18° 6	
T 4	11 7 51	18°54'27	28°49	23°51	12°15	0X 2	26°25	16°27	14°45	13°28	0°40	3° 4	4° 8	4° 2	18° 4	
W 5	11 11 47	19°53'54	11Y20	25°53	13°27	0°49	26°38	16°26	14°45	13°30	0°42	2°53	4° 4	4° 9	18° 3	
T 6	11 15 44	20°53'19	24° 1	27°54	14°39	1°36	26°51	16°25	14°46	13°31	0°43	2°45	4° 1	4°15	18° 3	
F 7	11 19 40	21°52'41	6B52	29°55	15°51	2°23	27° 4	16°25	14°46	13°33	0°45	2°39	3°58	4°22	18° 2	
S 8	11 23 37	22°52'01	19°56	1Y56	17° 3	3°10	27°17	16°24	14°47	13°34	0°46	2°36	3°55	4°29	18° 1	
S 9	11 27 33	23°51'19	3II13	3°56	18°15	3°57	27°30	16°24	14°47	13°36	0°48	2°D36	3°52	4°36	18° 0	
M10	11 31 30	24°50'35	16°46	5°55	19°27	4°44	27°43	16°23	14°47	13°38	0°49	2°36	3°49	4°42	18° 0	
T 11	11 35 26	25°49'48	0B36	7°52	20°39	5°31	27°56	16°23	14°47	13°39	0°51	2°R36	3°45	4°49	17°59	
W12	11 39 23	26°48'59	14°43	9°47	21°51	6°17	28° 9	16°23	14°48	13°41	0°52	2°35	3°42	4°56	17°59	
T 13	11 43 20	27°48'08	29° 7	11°39	23° 3	7° 4	28°23	16°D23	14°48	13°43	0°54	2°31	3°39	5° 2	17°59	
F 14	11 47 16	28°47'14	13Ω45	13°29	24°16	7°51	28°36	16°23	14°R48	13°44	0°55	2°26	3°36	5° 9	17°59	
S 15	11 51 13	29°46'18	28°32	15°16	25°28	8°38	28°49	16°23	14°48	13°46	0°57	2°17	3°33	5°16	17°D59	
S 16	11 55 9	0Y45'19	13II20	16°59	26°40	9°25	29° 2	16°24	14°48	13°48	0°58	2° 8	3°30	5°23	17°59	
M17	11 59 6	1°44'18	28° 1	18°39	27°52	10°11	29°16	16°24	14°47	13°49	1° 0	1°59	3°26	5°29	17°59	
T 18	12 3 2	2°43'15	12B28	20°14	29° 4	10°58	29°29	16°24	14°47	13°51	1° 1	1°50	3°23	5°36	17°59	
W19	12 6 59	3°42'11	26°33	21°45	0X17	11°45	29°43	16°25	14°47	13°53	1° 3	1°43	3°20	5°43	17°59	
T 20	12 10 55	4°41'04	10II14	23°10	1°29	12°31	29°56	16°26	14°47	13°55	1° 4	1°39	3°17	5°49	18° 0	
F 21	12 14 52	5°39'55	23°29	24°31	2°41	13°18	0B10	16°27	14°46	13°57	1° 5	1°37	3°14	5°56	18° 0	
S 22	12 18 48	6°38'45	6X19	25°47	3°54	14° 5	0°24	16°28	14°46	13°59	1° 7	1°D37	3°10	6° 3	18° 1	
S 23	12 22 45	7°37'33	18°47	26°57	5° 6	14°51	0°37	16°29	14°46	14° 0	1° 8	1°37	3° 7	6° 9	18° 2	
M24	12 26 42	8°36'19	0B59	28° 2	6°18	15°38	0°51	16°30	14°45	14° 2	1° 9	1°38	3° 4	6°16	18° 3	
T 25	12 30 38	9°35'03	12°58	29° 1	7°31	16°24	1° 5	16°31	14°45	14° 4	1°11	1°R39	3° 1	6°23	18° 3	
W26	12 34 35	10°33'46	24°51	29°53	8°43	17°11	1°18	16°32	14°44	14° 6	1°12	1°37	2°58	6°30	18° 5	
T 27	12 38 31	11°32'27	6∞41	0B41	9°56	17°57	1°32	16°34	14°43	14° 8	1°13	1°34	2°55	6°36	18° 6	
F 28	12 42 28	12°31'06	18°35	1°21	11° 8	18°44	1°46	16°36	14°43	14°10	1°15	1°29	2°51	6°43	18° 7	
S 29	12 46 24	13°29'43	0X35	1°56	12°21	19°30	2° 0	16°37	14°42	14°12	1°16	1°22	2°48	6°50	18° 8	
S 30	12 50 21	14°28'18	12°44	2°25	13°33	20°17	2°14	16°39	14°41	14°14	1°17	1°13	2°45	6°56	18°10	
M31	12 54 17	15Y26'52	25X 6	2B48	14X46	21X 3	2B28	16B41	14X40	14B16	1X18	1X 5	2X42	7∞ 3	18B11	

Delta T = 21m05s Julian Calendar 1 March 1063 == Greg. Calendar 7 March 1063

APRIL 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
T 1	12 58 14	16Y25'23	7Y40	3B 4	15X58	21X49	2B42	16B43	14°R40	14B18	1X20	0°R57	2X39	7∞10	18B13	
W 2	13 2 11	17°23'53	20°27	3°15	17°11	22°35	2°56	16°45	14X39	14°20	1°21	0X50	2°35	7°17	18°15	
T 3	13 6 7	18°22'21	3B28	3°R19	18°23	23°22	3° 9	16°47	14°38	14°22	1°22	0°45	2°32	7°23	18°16	
F 4	13 10 4	19°20'47	16°41	3°18	19°36	24° 8	3°23	16°50	14°37	14°24	1°23	0°42	2°29	7°30	18°18	
S 5	13 14 0	20°19'11	0II 6	3°12	20°48	24°54	3°38	16°52	14°36	14°26	1°24	0°D41	2°26	7°37	18°20	
S 6	13 17 57	21°17'33	13°42	3° 0	22° 1	25°40	3°52	16°55	14°35	14°28	1°25	0°42	2°23	7°43	18°22	
M 7	13 21 53	22°15'53	27°28	2°43	23°14	26°26	4° 6	16°57	14°33	14°31	1°27	0°43	2°20	7°50	18°25	
T 8	13 25 50	23°14'11	11B25	2°21	24°26	27°12	4°20	17° 0	14°32	14°33	1°28	0°44	2°16	7°57	18°27	
W 9	13 29 46	24°12'27	25°30	1°55	25°39	27°58	4°34	17° 3	14°31	14°35	1°29	0°R45	2°13	8° 4	18°29	
T 10	13 33 43	25°10'40	9Ω44	1°26	26°51	28°44	4°48	17° 6	14°30	14°37	1°30	0°44	2°10	8°10	18°32	
F 11	13 37 40	26° 8'51	24° 4	0°54	28° 4	29°30	5° 2	17° 9	14°28	14°39	1°31	0°42	2° 7	8°17	18°34	
S 12	13 41 36	27° 7'01	8II26	0°19	29°17	0Y16	5°16	17°12	14°27	14°41	1°32	0°38	2° 4	8°24	18°37	
S 13	13 45 33	28° 5'08	22°47	29Y42	0Y29	1° 2	5°30	17°15	14°26	14°43	1°33	0°33	2° 1	8°30	18°40	
M14	13 49 29	29° 3'13	7B 1	29° 4	1°42	1°47	5°44	17°18	14°24	14°46	1°34	0°28	1°57	8°37	18°43	
T 15	13 53 26	0B 1'16	21° 3	28°26	2°55	2°33	5°59	17°22	14°23	14°48	1°35	0°24	1°54	8°44	18°46	
W16	13 57 22	0°59'18	4II48	27°48	4° 7	3°19	6°13	17°25	14°21	14°50	1°36	0°21	1°51	8°50	18°49	
T 17	14 1 19	1°57'18	18°15	27°11	5°20	4° 5	6°27	17°29	14°20	14°52	1°37	0°19	1°48	8°57	18°52	
F 18	14 5 15	2°55'17	1X22	26°36	6°33	4°50	6°41	17°33	14°18	14°54	1°38	0°D18	1°45	9° 4	18°55	
S 19	14 9 12	3°53'14	14° 9	26° 3	7°45	5°36	6°55	17°36	14°16	14°57	1°39	0°19	1°41	9°11	18°58	
S 20	14 13 9	4°51'10	26°37	25°32	8°58	6°21	7° 9	17°40	14°15	14°59	1°39	0°20	1°38	9°17	19° 2	
M21	14 17 5	5°49'04	8B50	25° 4	10°11	7° 7	7°24	17°44	14°13	15° 1	1°40	0°22	1°35	9°24	19° 5	
T 22	14 21 2	6°46'57	20°52	24°40	11°24	7°52	7°38	17°48	14°11	15° 3	1°41	0°24	1°32	9°31	19° 8	
W23	14 24 58	7°44'49	2∞46	24°20	12°36	8°37	7°52	17°52	14°10	15° 5	1°42	0°R24	1°29	9°37	19°12	
T 24	14 28 55	8°42'39	14°39	24° 4	13°49	9°23	8° 6	17°57	14° 8	15° 8	1°43	0°24	1°26	9°44	19°16	
F 25	14 32 51	9°40'28	26°34	23°53	15° 2	10° 8	8°20	18° 1	14° 6	15°10	1°43	0°23	1°22	9°51	19°20	
S 26	14 36 48	10°38'16	8X36	23°45	16°15	10°53	8°35	18° 5	14° 4	15°12	1°44	0°22	1°19	9°58	19°23	
S 27	14 40 44	11°36'02	20°50	23°D42	17°28	11°38	8°49	18°10	14° 2	15°14	1°45	0°19	1°16	10° 4	19°27	
M28	14 44 41	12°33'48	3Y17	23°44	18°40	12°24	9° 3	18°14	14° 0	15°17	1°46	0°16	1°13	10°11	19°31	
T 29	14 48 37	13°31'32	16° 1	23°51	19°53	13° 9	9°17	18°19	13°58	15°19	1°46	0°14	1°10	10°18	19°35	
W30	14 52 34	14B29'15	29Y 3	24Y 2	21Y 6	13Y54	9B31	18B24	13X56	15B21	1X47	0X12	1X 6	10∞24	19B40	

Delta T = 21m04s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1063

MAY 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	14 56 31	15♌26'56	12♋23	24♍17	22♍19	14♍39	9♌45	18♌28	13♌54	15♌23	1♌48	0°R11	1♌3	10♌31	19♌44		
F 2	15 0 27	16°24'37	25°59	24°37	23°32	15°24	10° 0	18°33	13♌52	15°26	1°48	0°D10	1° 0	10°38	19°48		
S 3	15 4 24	17°22'16	9♏49	25° 1	24°45	16° 9	10°14	18°38	13°50	15°28	1°49	0♌10	0°57	10°45	19°53		
S 4	15 8 20	18°19'53	23°51	25°30	25°58	16°53	10°28	18°43	13°48	15°30	1°49	0°11	0°54	10°51	19°57		
M 5	15 12 17	19°17'30	8♏1	26° 2	27°11	17°38	10°42	18°48	13°46	15°32	1°50	0°12	0°51	10°58	20° 2		
T 6	15 16 13	20°15'04	22°16	26°39	28°23	18°23	10°56	18°53	13°44	15°35	1°50	0°12	0°47	11° 5	20° 6		
W 7	15 20 10	21°12'38	6♏33	27°19	29°36	19° 7	11°10	18°59	13°41	15°37	1°51	0°13	0°44	11°11	20°11		
T 8	15 24 6	22°10'10	20°48	28° 3	0♏49	19°52	11°24	19° 4	13°39	15°39	1°51	0°R13	0°41	11°18	20°16		
F 9	15 28 3	23° 7'40	4♏59	28°51	2° 2	20°37	11°38	19° 9	13°37	15°41	1°52	0°13	0°38	11°25	20°21		
S 10	15 32 0	24° 5'09	19° 4	29°43	3°15	21°21	11°52	19°15	13°35	15°44	1°52	0°13	0°35	11°32	20°25		
S 11	15 35 56	25° 2'36	3♏1	0♏38	4°28	22° 6	12° 6	19°20	13°32	15°46	1°53	0°12	0°32	11°38	20°30		
M12	15 39 53	26° 0'02	16°47	1°36	5°41	22°50	12°20	19°26	13°30	15°48	1°53	0°12	0°28	11°45	20°35		
T 13	15 43 49	26°57'27	0♏22	2°38	6°54	23°34	12°34	19°31	13°28	15°50	1°53	0°11	0°25	11°52	20°41		
W14	15 47 46	27°54'51	13°42	3°43	8° 7	24°19	12°48	19°37	13°25	15°53	1°54	0°11	0°22	11°58	20°46		
T 15	15 51 42	28°52'14	26°48	4°51	9°20	25° 3	13° 2	19°43	13°23	15°55	1°54	0°D11	0°19	12° 5	20°51		
F 16	15 55 39	29°49'36	9♏39	6° 2	10°33	25°47	13°16	19°49	13°21	15°57	1°54	0°R11	0°16	12°12	20°56		
S 17	15 59 35	0♏46'57	22°15	7°16	11°46	26°31	13°29	19°55	13°18	15°59	1°55	0°11	0°12	12°19	21° 2		
S 18	16 3 32	1°44'17	4♏37	8°34	12°59	27°15	13°43	20° 1	13°16	16° 1	1°55	0°11	0° 9	12°25	21° 7		
M19	16 7 29	2°41'37	16°47	9°54	14°12	27°59	13°57	20° 7	13°14	16° 4	1°55	0°11	0° 6	12°32	21°12		
T 20	16 11 25	3°38'56	28°48	11°17	15°25	28°43	14°11	20°13	13°11	16° 6	1°55	0°10	0° 3	12°39	21°18		
W21	16 15 22	4°36'14	10♏43	12°43	16°38	29°27	14°24	20°19	13° 9	16° 8	1°55	0°10	0° 0	12°46	21°24		
T 22	16 19 18	5°33'32	22°36	14°12	17°51	0♏11	14°38	20°25	13° 6	16°10	1°56	0°10	29♏57	12°52	21°29		
F 23	16 23 15	6°30'49	4♏31	15°44	19° 4	0°54	14°52	20°31	13° 4	16°12	1°56	0°D 9	29°53	12°59	21°35		
S 24	16 27 11	7°28'06	16°33	17°18	20°17	1°38	15° 5	20°38	13° 2	16°14	1°56	0° 9	29°50	13° 6	21°41		
S 25	16 31 8	8°25'23	28°46	18°56	21°30	2°22	15°19	20°44	12°59	16°16	1°56	0°10	29°47	13°12	21°46		
M26	16 35 4	9°22'39	11♏15	20°36	22°43	3° 5	15°32	20°50	12°57	16°19	1°56	0°11	29°44	13°19	21°52		
T 27	16 39 1	10°19'54	24° 3	22°19	23°56	3°49	15°46	20°57	12°54	16°21	1°R56	0°11	29°41	13°26	21°58		
W28	16 42 58	11°17'10	7♏12	24° 5	25°10	4°32	15°59	21° 3	12°52	16°23	1°56	0°12	29°38	13°33	22° 4		
T 29	16 46 54	12°14'25	20°45	25°53	26°23	5°16	16°13	21°10	12°49	16°25	1°56	0°13	29°34	13°39	22°10		
F 30	16 50 51	13°11'40	4♏39	27°44	27°36	5°59	16°26	21°17	12°47	16°27	1°56	0°R13	29°31	13°46	22°16		
S 31	16 54 47	14♏8'54	18♏52	29♏38	28♏49	6♏42	16♏40	21♏23	12♏44	16♏29	1♏56	0♏13	29♏28	13♏53	22♏22		

Delta T = 21m04s

Julian Calendar 1 May 1063 == Greg. Calendar 7 May 1063

JUNE 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	16 58 44	15♏6'08	3♏21	1♏34	0♏2	7♏25	16♏53	21♏30	12°R42	16♏31	1°R56	0°R11	29♏25	13♏59	22♏28		
M 2	17 2 40	16° 3'21	17°58	3°32	1°16	8° 9	17° 6	21°37	12♏40	16°33	1♏56	0♏10	29°22	14° 6	22°35		
T 3	17 6 37	17° 0'34	2♏38	5°33	2°29	8°52	17°19	21°43	12°37	16°35	1°55	0° 8	29°18	14°13	22°41		
W 4	17 10 34	17°57'46	17°14	7°35	3°42	9°35	17°32	21°50	12°35	16°37	1°55	0° 6	29°15	14°20	22°47		
T 5	17 14 30	18°54'58	1♏41	9°40	4°55	10°18	17°45	21°57	12°32	16°39	1°55	0° 4	29°12	14°26	22°54		
F 6	17 18 27	19°52'09	15°54	11°46	6° 9	11° 0	17°58	22° 4	12°30	16°41	1°55	0°D 3	29° 9	14°33	23° 0		
S 7	17 22 23	20°49'19	29°53	13°54	7°22	11°43	18°11	22°11	12°27	16°43	1°55	0° 4	29° 6	14°40	23° 6		
S 8	17 26 20	21°46'29	13♏35	16° 3	8°35	12°26	18°24	22°18	12°25	16°45	1°54	0° 5	29° 3	14°46	23°13		
M 9	17 30 16	22°43'38	27° 1	18°12	9°49	13° 9	18°37	22°25	12°23	16°47	1°54	0° 6	28°59	14°53	23°19		
T 10	17 34 13	23°40'47	10♏12	20°23	11° 2	13°51	18°50	22°32	12°20	16°49	1°54	0° 7	28°56	15° 0	23°26		
W11	17 38 9	24°37'56	23°10	22°33	12°15	14°34	19° 3	22°39	12°18	16°50	1°53	0° 8	28°53	15° 7	23°32		
T 12	17 42 6	25°35'04	5♏54	24°44	13°29	15°16	19°15	22°46	12°15	16°52	1°53	0°R 8	28°50	15°13	23°39		
F 13	17 46 3	26°32'13	18°27	26°54	14°42	15°59	19°28	22°54	12°13	16°54	1°53	0° 7	28°47	15°20	23°46		
S 14	17 49 59	27°29'21	0♏48	29° 4	15°55	16°41	19°41	23° 1	12°11	16°56	1°52	0° 5	28°44	15°27	23°52		
S 15	17 53 56	28°26'30	13° 1	1♏14	17° 9	17°23	19°53	23° 8	12° 8	16°58	1°52	0° 1	28°40	15°33	23°59		
M16	17 57 52	29°23'38	25° 5	3°22	18°22	18° 6	20° 6	23°15	12° 6	17° 0	1°51	29♏56	28°37	15°40	24° 6		
T 17	18 1 49	0♏20'47	7♏2	5°29	19°36	18°48	20°18	23°23	12° 4	17° 1	1°51	29°51	28°34	15°47	24°13		
W18	18 5 45	1°17'56	18°56	7°35	20°49	19°30	20°30	23°30	12° 2	17° 3	1°50	29°46	28°31	15°54	24°19		
T 19	18 9 42	2°15'05	0♏48	9°40	22° 3	20°12	20°42	23°37	11°59	17° 5	1°50	29°42	28°28	16° 0	24°26		
F 20	18 13 38	3°12'15	12°42	11°43	23°16	20°54	20°55	23°45	11°57	17° 6	1°49	29°38	28°24	16° 7	24°33		
S 21	18 17 35	4° 9'25	24°43	13°44	24°30	21°36	21° 7	23°52	11°55	17° 8	1°49	29°36	28°21	16°14	24°40		
S 22	18 21 32	5° 6'35	6♏54	15°44	25°43	22°17	21°19	24° 0	11°53	17°10	1°48	29°D36	28°18	16°21	24°47		
M23	18 25 28	6° 3'46	19°20	17°42	26°57	22°59	21°31	24° 7	11°50	17°11	1°48	29°37	28°15	16°27	24°54		
T 24	18 29 25	7° 0'58	2♏6	19°38	28°10	23°41	21°42	24°15	11°48	17°13	1°47	29°38	28°12	16°34	25° 1		
W25	18 33 21	7°58'11	15°15	21°32	29°24	24°23	21°54	24°22	11°46	17°15	1°47	29°39	28° 9	16°41	25° 8		
T 26	18 37 18	8°55'24	28°51	23°25	0♏38	25° 4	22° 6	24°30	11°44	17°16	1°46	29°R40	28° 5	16°47	25°15		
F 27	18 41 14	9°52'37	12♏53	25°16	1°51	25°46	22°18	24°37	11°42	17°18	1°45	29°39	28° 2	16°54	25°22		
S 28	18 45 11	10°49'52	27°20	27° 5	3° 5	26°27	22°29	24°45	11°40	17°19	1°45	29°37	27°59	17° 1	25°29		
S 29	18 49 7	11°47'06	12♏7	28°52	4°19	27° 8	22°41	24°52	11°38	17°21	1°44	29°33	27°56	17° 8	25°36		
M30	18 53 4	12♏44'22	27♏8	0♏37	5♏32	27♏50	22♏52	25♏0	11♏36	17♏22	1♏43	29♏27	27♏53	17♏14	25♏43		

Delta T = 21m03s

Julian Calendar

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SWISS EPHEMERIS for the year 1063

JULY 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
T 1	18 57 1	13 [☾] 41'38	12 [♈] 12	2 [♈] 20	6 [♈] 46	28 [♈] 31	23 [♈] 3	25 [♈] 8	11 [♈] R34	17 [♈] 24	1 [♈] R42	29 [♈] R21	27 [♈] M.50	17 [♈] 21	25 [♈] 50	
W 2	19 0 57	14 [♈] 38'54	27 [♈] 10	4 [♈] 2	8 [♈] 0	29 [♈] 12	23 [♈] 15	25 [♈] 15	11 [♈] 232	17 [♈] 25	1 [♈] X42	29 [♈] M.14	27 [♈] 46	17 [♈] 28	25 [♈] 57	
T 3	19 4 54	15 [♈] 36'10	11 [♈] 54	5 [♈] 41	9 [♈] 14	29 [♈] 53	23 [♈] 26	25 [♈] 23	11 [♈] 30	17 [♈] 26	1 [♈] 41	29 [♈] 9	27 [♈] 43	17 [♈] 34	26 [♈] 5	
F 4	19 8 50	16 [♈] 33'27	26 [♈] 18	7 [♈] 19	10 [♈] 27	0 [♈] II.34	23 [♈] 37	25 [♈] 31	11 [♈] 28	17 [♈] 28	1 [♈] 40	29 [♈] 5	27 [♈] 40	17 [♈] 41	26 [♈] 12	
S 5	19 12 47	17 [♈] 30'44	10 [♈] 19	8 [♈] 55	11 [♈] 41	1 [♈] 15	23 [♈] 48	25 [♈] 38	11 [♈] 26	17 [♈] 29	1 [♈] 39	29 [♈] 4	27 [♈] 37	17 [♈] 48	26 [♈] 19	
S 6	19 16 43	18 [♈] 28'02	23 [♈] 57	10 [♈] 30	12 [♈] 55	1 [♈] 55	23 [♈] 58	25 [♈] 46	11 [♈] 25	17 [♈] 30	1 [♈] 38	29 [♈] D 4	27 [♈] 34	17 [♈] 55	26 [♈] 26	
M 7	19 20 40	19 [♈] 25'20	7 [♈] M.14	12 [♈] 2	14 [♈] 9	2 [♈] 36	24 [♈] 9	25 [♈] 54	11 [♈] 23	17 [♈] 32	1 [♈] 37	29 [♈] 4	27 [♈] 30	18 [♈] 1	26 [♈] 33	
T 8	19 24 36	20 [♈] 22'38	20 [♈] 11	13 [♈] 33	15 [♈] 23	3 [♈] 17	24 [♈] 20	26 [♈] 1	11 [♈] 21	17 [♈] 33	1 [♈] 37	29 [♈] 6	27 [♈] 27	18 [♈] 8	26 [♈] 41	
W 9	19 28 33	21 [♈] 19'57	2 [♈] 752	15 [♈] 1	16 [♈] 37	3 [♈] 57	24 [♈] 30	26 [♈] 9	11 [♈] 20	17 [♈] 34	1 [♈] 36	29 [♈] R 6	27 [♈] 24	18 [♈] 15	26 [♈] 48	
T 10	19 32 30	22 [♈] 17'17	15 [♈] 19	16 [♈] 28	17 [♈] 50	4 [♈] 38	24 [♈] 41	26 [♈] 17	11 [♈] 18	17 [♈] 35	1 [♈] 35	29 [♈] 4	27 [♈] 21	18 [♈] 22	26 [♈] 55	
F 11	19 36 26	23 [♈] 14'37	27 [♈] 37	17 [♈] 53	19 [♈] 4	5 [♈] 18	24 [♈] 51	26 [♈] 24	11 [♈] 16	17 [♈] 36	1 [♈] 34	29 [♈] 1	27 [♈] 18	18 [♈] 28	27 [♈] 2	
S 12	19 40 23	24 [♈] 11'59	9 [♈] 346	19 [♈] 16	20 [♈] 18	5 [♈] 59	25 [♈] 1	26 [♈] 32	11 [♈] 15	17 [♈] 38	1 [♈] 33	28 [♈] 55	27 [♈] 15	18 [♈] 35	27 [♈] 10	
S 13	19 44 19	25 [♈] 9'21	21 [♈] 48	20 [♈] 37	21 [♈] 32	6 [♈] 39	25 [♈] 11	26 [♈] 40	11 [♈] 13	17 [♈] 39	1 [♈] 32	28 [♈] 47	27 [♈] 11	18 [♈] 42	27 [♈] 17	
M14	19 48 16	26 [♈] 6'44	3 [♈] 46	21 [♈] 56	22 [♈] 46	7 [♈] 19	25 [♈] 22	26 [♈] 48	11 [♈] 12	17 [♈] 40	1 [♈] 31	28 [♈] 37	27 [♈] 8	18 [♈] 48	27 [♈] 24	
T 15	19 52 12	27 [♈] 4'08	15 [♈] 40	23 [♈] 13	24 [♈] 0	7 [♈] 59	25 [♈] 31	26 [♈] 55	11 [♈] 10	17 [♈] 41	1 [♈] 30	28 [♈] 26	27 [♈] 5	18 [♈] 55	27 [♈] 31	
W16	19 56 9	28 [♈] 1'33	27 [♈] 33	24 [♈] 28	25 [♈] 14	8 [♈] 39	25 [♈] 41	27 [♈] 3	11 [♈] 9	17 [♈] 42	1 [♈] 29	28 [♈] 15	27 [♈] 2	19 [♈] 2	27 [♈] 39	
T 17	20 0 5	28 [♈] 58'59	9 [♈] X25	25 [♈] 40	26 [♈] 28	9 [♈] 19	25 [♈] 51	27 [♈] 11	11 [♈] 7	17 [♈] 43	1 [♈] 28	28 [♈] 5	26 [♈] 59	19 [♈] 9	27 [♈] 46	
F 18	20 4 2	29 [♈] 56'26	21 [♈] 20	26 [♈] 51	27 [♈] 42	9 [♈] 59	26 [♈] 1	27 [♈] 18	11 [♈] 6	17 [♈] 44	1 [♈] 27	27 [♈] 57	26 [♈] 56	19 [♈] 15	27 [♈] 53	
S 19	20 7 59	0 [♈] 53'55	3 [♈] Y20	27 [♈] 59	28 [♈] 56	10 [♈] 39	26 [♈] 10	27 [♈] 26	11 [♈] 5	17 [♈] 45	1 [♈] 26	27 [♈] 51	26 [♈] 52	19 [♈] 22	28 [♈] 0	
S 20	20 11 55	1 [♈] 51'24	15 [♈] 30	29 [♈] 5	0 [♈] 10	11 [♈] 19	26 [♈] 19	27 [♈] 34	11 [♈] 3	17 [♈] 46	1 [♈] 25	27 [♈] 47	26 [♈] 49	19 [♈] 29	28 [♈] 8	
M21	20 15 52	2 [♈] 48'56	27 [♈] 53	0 [♈] 8	1 [♈] 24	11 [♈] 58	26 [♈] 29	27 [♈] 42	11 [♈] 2	17 [♈] 46	1 [♈] 24	27 [♈] D46	26 [♈] 46	19 [♈] 35	28 [♈] 15	
T 22	20 19 48	3 [♈] 46'29	10 [♈] 34	1 [♈] 8	2 [♈] 39	12 [♈] 38	26 [♈] 38	27 [♈] 49	11 [♈] 1	17 [♈] 47	1 [♈] 23	27 [♈] 46	26 [♈] 43	19 [♈] 42	28 [♈] 22	
W23	20 23 45	4 [♈] 44'03	23 [♈] 38	2 [♈] 6	3 [♈] 53	13 [♈] 17	26 [♈] 47	27 [♈] 57	11 [♈] 0	17 [♈] 48	1 [♈] 22	27 [♈] R46	26 [♈] 40	19 [♈] 49	28 [♈] 30	
T 24	20 27 41	5 [♈] 41'39	7 [♈] II 9	3 [♈] 1	5 [♈] 7	13 [♈] 57	26 [♈] 56	28 [♈] 5	10 [♈] 59	17 [♈] 49	1 [♈] 21	27 [♈] 46	26 [♈] 36	19 [♈] 56	28 [♈] 37	
F 25	20 31 38	6 [♈] 39'16	21 [♈] 8	3 [♈] 53	6 [♈] 21	14 [♈] 36	27 [♈] 4	28 [♈] 12	10 [♈] 58	17 [♈] 50	1 [♈] 20	27 [♈] 44	26 [♈] 33	20 [♈] 2	28 [♈] 44	
S 26	20 35 34	7 [♈] 36'55	5 [♈] 36	4 [♈] 42	7 [♈] 35	15 [♈] 15	27 [♈] 13	28 [♈] 20	10 [♈] 57	17 [♈] 50	1 [♈] 18	27 [♈] 40	26 [♈] 30	20 [♈] 9	28 [♈] 51	
S 27	20 39 31	8 [♈] 34'36	20 [♈] 29	5 [♈] 28	8 [♈] 49	15 [♈] 55	27 [♈] 21	28 [♈] 28	10 [♈] 56	17 [♈] 51	1 [♈] 17	27 [♈] 33	26 [♈] 27	20 [♈] 16	28 [♈] 59	
M28	20 43 28	9 [♈] 32'18	5 [♈] 139	6 [♈] 10	10 [♈] 4	16 [♈] 34	27 [♈] 30	28 [♈] 35	10 [♈] 55	17 [♈] 52	1 [♈] 16	27 [♈] 24	26 [♈] 24	20 [♈] 23	29 [♈] 6	
T 29	20 47 24	10 [♈] 30'01	20 [♈] 57	6 [♈] 48	11 [♈] 18	17 [♈] 13	27 [♈] 38	28 [♈] 43	10 [♈] 54	17 [♈] 52	1 [♈] 15	27 [♈] 14	26 [♈] 21	20 [♈] 29	29 [♈] 13	
W30	20 51 21	11 [♈] 27'46	6 [♈] 112	7 [♈] 23	12 [♈] 32	17 [♈] 52	27 [♈] 46	28 [♈] 51	10 [♈] 53	17 [♈] 53	1 [♈] 14	27 [♈] 4	26 [♈] 17	20 [♈] 36	29 [♈] 20	
T 31	20 55 17	12 [♈] 25'31	21 [♈] 12	7 [♈] 53	13 [♈] 147	18 [♈] II.30	27 [♈] 54	28 [♈] 58	10 [♈] 53	17 [♈] 53	1 [♈] X13	26 [♈] M.55	26 [♈] M.14	20 [♈] 43	29 [♈] 27	

Delta T = 21m03s Julian Calendar 1 July 1063 == Greg. Calendar 7 July 1063

AUGUST 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
F 1	20 59 14	13 [♈] 23'18	5 [♈] 50	8 [♈] 19	15 [♈] 1	19 [♈] II 9	28 [♈] 2	29 [♈] 6	10 [♈] R52	17 [♈] 54	1 [♈] R12	26 [♈] R48	26 [♈] M.11	20 [♈] 49	29 [♈] 35	
S 2	21 3 10	14 [♈] 21'06	20 [♈] 0	8 [♈] 40	16 [♈] 15	19 [♈] 48	28 [♈] 9	29 [♈] 13	10 [♈] 251	17 [♈] 54	1 [♈] X10	26 [♈] M.44	26 [♈] 8	20 [♈] 56	29 [♈] 42	
S 3	21 7 7	15 [♈] 18'56	3 [♈] M.43	8 [♈] 57	17 [♈] 29	20 [♈] 26	28 [♈] 17	29 [♈] 21	10 [♈] 51	17 [♈] 55	1 [♈] 9	26 [♈] 42	26 [♈] 5	21 [♈] 3	29 [♈] 49	
M 4	21 11 3	16 [♈] 16'46	16 [♈] 59	9 [♈] 8	18 [♈] 44	21 [♈] 5	28 [♈] 24	29 [♈] 28	10 [♈] 50	17 [♈] 55	1 [♈] 8	26 [♈] D42	26 [♈] 2	21 [♈] 10	29 [♈] 56	
T 5	21 15 0	17 [♈] 14'38	29 [♈] 51	9 [♈] 14	19 [♈] 58	21 [♈] 43	28 [♈] 32	29 [♈] 36	10 [♈] 49	17 [♈] 56	1 [♈] 7	26 [♈] R42	25 [♈] 58	21 [♈] 16	0 [♈] 1 3	
W 6	21 18 57	18 [♈] 12'31	12 [♈] 74	9 [♈] R14	21 [♈] 13	22 [♈] 21	28 [♈] 39	29 [♈] 43	10 [♈] 49	17 [♈] 56	1 [♈] 6	26 [♈] 41	25 [♈] 55	21 [♈] 23	0 [♈] 10	
T 7	21 22 53	19 [♈] 10'26	24 [♈] 43	9 [♈] 9	22 [♈] 27	23 [♈] 0	28 [♈] 46	29 [♈] 51	10 [♈] 49	17 [♈] 56	1 [♈] 4	26 [♈] 39	25 [♈] 52	21 [♈] 30	0 [♈] 17	
F 8	21 26 50	20 [♈] 8'22	6 [♈] 351	8 [♈] 57	23 [♈] 41	23 [♈] 38	28 [♈] 52	29 [♈] 58	10 [♈] 48	17 [♈] 57	1 [♈] 3	26 [♈] 34	25 [♈] 49	21 [♈] 37	0 [♈] 24	
S 9	21 30 46	21 [♈] 6'19	18 [♈] 51	8 [♈] 40	24 [♈] 56	24 [♈] 16	28 [♈] 59	0 [♈] 1 6	10 [♈] 48	17 [♈] 57	1 [♈] 2	26 [♈] 26	25 [♈] 46	21 [♈] 43	0 [♈] 31	
S 10	21 34 43	22 [♈] 4'18	0 [♈] 47	8 [♈] 16	26 [♈] 10	24 [♈] 54	29 [♈] 6	0 [♈] 13	10 [♈] 48	17 [♈] 57	1 [♈] 1	26 [♈] 15	25 [♈] 42	21 [♈] 50	0 [♈] 38	
M11	21 38 39	23 [♈] 2'18	12 [♈] 40	7 [♈] 47	27 [♈] 25	25 [♈] 31	29 [♈] 12	0 [♈] 20	10 [♈] 47	17 [♈] 57	0 [♈] 59	26 [♈] 2	25 [♈] 39	21 [♈] 57	0 [♈] 45	
T 12	21 42 36	24 [♈] 0'20	24 [♈] 33	7 [♈] 11	28 [♈] 39	26 [♈] 9	29 [♈] 18	0 [♈] 28	10 [♈] 47	17 [♈] 57	0 [♈] 58	25 [♈] 48	25 [♈] 36	22 [♈] 3	0 [♈] 52	
W13	21 46 32	24 [♈] 58'24	6 [♈] X26	6 [♈] 30	29 [♈] 53	26 [♈] 47	29 [♈] 24	0 [♈] 35	10 [♈] 47	17 [♈] 58	0 [♈] 57	25 [♈] 34	25 [♈] 33	22 [♈] 10	0 [♈] 59	
T 14	21 50 29	25 [♈] 56'29	18 [♈] 22	5 [♈] 44	1 [♈] 8	27 [♈] 24	29									

SWISS EPHEMERIS for the year 1063

SEPTEMBER 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	23 1 27	13 ^h 27'52	25 ^m 58	26 ^o 14	23 ^m 30	8 ^o 23	0 ^h 46	2 ^o 46	10 ^o 55	17 ^o 54	0 ^o R33	23 ^m 45	24 ^m 33	24 ^o 18	3 ^o 5		
T 2	23 5 23	14 ^o 26'35	8 ^h 54	26 ^o 52	24 ^o 45	8 ^o 58	0 ^h 48	2 ^o 53	10 ^o 55	17 ^o 53	0 ^h 32	23 ^o R45	24 ^o 29	24 ^o 25	3 ^o 11		
W 3	23 9 20	15 ^o 25'20	21 ^o 27	27 ^o 38	25 ^o 59	9 ^o 33	0 ^o 51	2 ^o 59	10 ^o 56	17 ^o 52	0 ^o 31	23 ^o 45	24 ^o 26	24 ^o 31	3 ^o 17		
T 4	23 13 17	16 ^o 24'07	3 ^h 44	28 ^o 33	27 ^o 14	10 ^o 9	0 ^o 53	3 ^o 5	10 ^o 57	17 ^o 52	0 ^o 30	23 ^o 43	24 ^o 23	24 ^o 38	3 ^o 23		
F 5	23 17 13	17 ^o 22'55	15 ^o 49	29 ^o 35	28 ^o 29	10 ^o 44	0 ^o 55	3 ^o 12	10 ^o 58	17 ^o 51	0 ^o 29	23 ^o 40	24 ^o 20	24 ^o 45	3 ^o 29		
S 6	23 21 10	18 ^o 21'45	27 ^o 45	0 ^h 44	29 ^o 43	11 ^o 19	0 ^o 56	3 ^o 18	11 ^o 0	17 ^o 51	0 ^o 27	23 ^o 34	24 ^o 17	24 ^o 52	3 ^o 35		
S 7	23 25 6	19 ^o 20'37	9 ^h 38	1 ^o 59	0 ^h 58	11 ^o 54	0 ^o 58	3 ^o 24	11 ^o 1	17 ^o 50	0 ^o 26	23 ^o 25	24 ^o 13	24 ^o 58	3 ^o 41		
M 8	23 29 3	20 ^o 19'30	21 ^o 30	3 ^o 19	2 ^o 13	12 ^o 29	0 ^o 59	3 ^o 30	11 ^o 2	17 ^o 49	0 ^o 25	23 ^o 14	24 ^o 10	25 ^o 5	3 ^o 47		
T 9	23 32 59	21 ^o 18'26	3 ^h 24	4 ^o 45	3 ^o 27	13 ^o 3	1 ^o 0	3 ^o 36	11 ^o 3	17 ^o 48	0 ^o 24	23 ^o 2	24 ^o 7	25 ^o 12	3 ^o 53		
W10	23 36 56	22 ^o 17'24	15 ^o 21	6 ^o 14	4 ^o 42	13 ^o 38	1 ^o 1	3 ^o 42	11 ^o 5	17 ^o 48	0 ^o 23	22 ^o 51	24 ^o 4	25 ^o 18	3 ^o 59		
T 11	23 40 52	23 ^o 16'23	27 ^o 22	7 ^o 48	5 ^o 57	14 ^o 12	1 ^o 2	3 ^o 48	11 ^o 6	17 ^o 47	0 ^o 22	22 ^o 40	24 ^o 1	25 ^o 25	4 ^o 5		
F 12	23 44 49	24 ^o 15'25	9 ^h 30	9 ^o 24	7 ^o 11	14 ^o 46	1 ^o 2	3 ^o 54	11 ^o 7	17 ^o 46	0 ^o 20	22 ^o 30	23 ^o 58	25 ^o 32	4 ^o 10		
S 13	23 48 46	25 ^o 14'29	21 ^o 45	11 ^o 3	8 ^o 26	15 ^o 20	1 ^o 3	4 ^o 0	11 ^o 9	17 ^o 45	0 ^o 19	22 ^o 24	23 ^o 54	25 ^o 39	4 ^o 16		
S 14	23 52 42	26 ^o 13'35	4 ^h 8	12 ^o 44	9 ^o 40	15 ^o 54	1 ^o R 3	4 ^o 5	11 ^o 10	17 ^o 44	0 ^o 18	22 ^o 20	23 ^o 51	25 ^o 45	4 ^o 21		
M15	23 56 39	27 ^o 12'43	16 ^o 43	14 ^o 26	10 ^o 55	16 ^o 28	1 ^o 3	4 ^o 11	11 ^o 12	17 ^o 43	0 ^o 17	22 ^o D18	23 ^o 48	25 ^o 52	4 ^o 27		
T 16	0 0 35	28 ^o 11'54	29 ^o 30	16 ^o 10	12 ^o 10	17 ^o 2	1 ^o 2	4 ^o 17	11 ^o 13	17 ^o 42	0 ^o 16	22 ^o 18	23 ^o 45	25 ^o 59	4 ^o 32		
W17	0 4 32	29 ^o 11'07	12 ^h 33	17 ^o 55	13 ^o 24	17 ^o 36	1 ^o 2	4 ^o 22	11 ^o 15	17 ^o 41	0 ^o 15	22 ^o 19	23 ^o 42	26 ^o 5	4 ^o 38		
T 18	0 8 28	0 ^h 10'23	25 ^o 56	19 ^o 40	14 ^o 39	18 ^o 9	1 ^o 1	4 ^o 28	11 ^o 17	17 ^o 40	0 ^o 14	22 ^o R20	23 ^o 38	26 ^o 12	4 ^o 43		
F 19	0 12 25	1 ^o 9'41	9 ^h 39	21 ^o 26	15 ^o 54	18 ^o 42	1 ^o 0	4 ^o 33	11 ^o 18	17 ^o 39	0 ^o 13	22 ^o 19	23 ^o 35	26 ^o 19	4 ^o 48		
S 20	0 16 21	2 ^o 9'01	23 ^o 45	23 ^o 11	17 ^o 9	19 ^o 15	0 ^o 59	4 ^o 38	11 ^o 20	17 ^o 38	0 ^o 12	22 ^o 17	23 ^o 32	26 ^o 26	4 ^o 53		
S 21	0 20 18	3 ^o 8'24	8 ^h 12	24 ^o 57	18 ^o 23	19 ^o 48	0 ^o 58	4 ^o 44	11 ^o 22	17 ^o 37	0 ^o 11	22 ^o 13	23 ^o 29	26 ^o 32	4 ^o 58		
M22	0 24 15	4 ^o 7'49	22 ^o 57	26 ^o 43	19 ^o 38	20 ^o 21	0 ^o 57	4 ^o 49	11 ^o 24	17 ^o 36	0 ^o 10	22 ^o 7	23 ^o 26	26 ^o 39	5 ^o 3		
T 23	0 28 11	5 ^o 7'16	7 ^h 55	28 ^o 29	20 ^o 53	20 ^o 54	0 ^o 55	4 ^o 54	11 ^o 26	17 ^o 35	0 ^o 9	22 ^o 0	23 ^o 23	26 ^o 46	5 ^o 8		
W24	0 32 8	6 ^o 6'45	22 ^o 56	0 ^h 14	22 ^o 7	21 ^o 26	0 ^o 53	4 ^o 59	11 ^o 28	17 ^o 34	0 ^o 8	21 ^o 53	23 ^o 19	26 ^o 53	5 ^o 13		
T 25	0 36 4	7 ^o 6'17	7 ^h 52	1 ^o 58	23 ^o 22	21 ^o 59	0 ^o 51	5 ^o 4	11 ^o 30	17 ^o 33	0 ^o 7	21 ^o 47	23 ^o 16	26 ^o 59	5 ^o 18		
F 26	0 40 1	8 ^o 5'51	22 ^o 33	3 ^o 43	24 ^o 37	22 ^o 31	0 ^o 49	5 ^o 9	11 ^o 32	17 ^o 31	0 ^o 6	21 ^o 42	23 ^o 13	27 ^o 6	5 ^o 23		
S 27	0 43 57	9 ^o 5'26	6 ^h 52	5 ^o 26	25 ^o 51	23 ^o 3	0 ^o 46	5 ^o 14	11 ^o 34	17 ^o 30	0 ^o 5	21 ^o 39	23 ^o 10	27 ^o 13	5 ^o 28		
S 28	0 47 54	10 ^o 5'04	20 ^o 46	7 ^o 10	27 ^o 6	23 ^o 35	0 ^o 43	5 ^o 18	11 ^o 36	17 ^o 29	0 ^o 4	21 ^o D38	23 ^o 7	27 ^o 19	5 ^o 32		
M29	0 51 50	11 ^o 4'44	4 ^h 12	8 ^o 52	28 ^o 21	24 ^o 6	0 ^o 40	5 ^o 23	11 ^o 38	17 ^o 28	0 ^o 3	21 ^o 38	23 ^o 4	27 ^o 26	5 ^o 37		
T 30	0 55 47	12 ^o 4'25	17 ^h 13	10 ^h 34	29 ^h 35	24 ^h 38	0 ^h 37	5 ^h 27	11 ^h 40	17 ^h 26	0 ^h 2	21 ^h 40	23 ^h 0	27 ^h 33	5 ^h 41		

Delta T = 21m02s Julian Calendar 1 Sept. 1063 == Greg. Calendar 7 Sept. 1063

OCTOBER 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	0 59 44	13 ^h 4'08	29 ^m 51	12 ^o 16	0 ^m 50	25 ^o 9	0 ^o R34	5 ^o 32	11 ^o 43	17 ^o R25	0 ^o R 1	21 ^m 41	22 ^m 57	27 ^o 40	5 ^o 45		
T 2	1 3 40	14 ^o 3'53	12 ^h 11	13 ^o 57	2 ^o 5	25 ^o 40	0 ^h 31	5 ^o 36	11 ^o 45	17 ^h 24	0 ^h 1	21 ^o R42	22 ^o 54	27 ^o 46	5 ^o 50		
F 3	1 7 37	15 ^o 3'40	24 ^o 17	15 ^o 37	3 ^o 19	26 ^o 11	0 ^o 27	5 ^o 40	11 ^o 47	17 ^o 22	0 ^o 0	21 ^o 42	22 ^o 51	27 ^o 53	5 ^o 54		
S 4	1 11 33	16 ^o 3'28	6 ^h 14	17 ^o 16	4 ^o 34	26 ^o 42	0 ^o 23	5 ^o 45	11 ^o 50	17 ^o 21	29 ^h 59	21 ^o 39	22 ^o 48	28 ^o 0	5 ^o 58		
S 5	1 15 30	17 ^o 3'19	18 ^o 6	18 ^o 55	5 ^o 49	27 ^o 12	0 ^o 19	5 ^o 49	11 ^o 52	17 ^o 20	29 ^o 58	21 ^o 36	22 ^o 44	28 ^o 6	6 ^o 2		
M 6	1 19 26	18 ^o 3'10	29 ^o 59	20 ^o 34	7 ^o 3	27 ^o 42	0 ^o 15	5 ^o 53	11 ^o 55	17 ^o 18	29 ^o 57	21 ^o 31	22 ^o 41	28 ^o 13	6 ^o 6		
T 7	1 23 23	19 ^o 3'04	11 ^h 54	22 ^o 12	8 ^o 18	28 ^o 13	0 ^o 10	5 ^o 57	11 ^o 57	17 ^o 17	29 ^o 57	21 ^o 25	22 ^o 38	28 ^o 20	6 ^o 10		
W 8	1 27 19	20 ^o 3'00	23 ^o 56	23 ^o 49	9 ^o 32	28 ^o 43	0 ^o 6	6 ^o 0	12 ^o 0	17 ^o 15	29 ^o 56	21 ^o 19	22 ^o 35	28 ^o 27	6 ^o 14		
T 9	1 31 16	21 ^o 2'57	6 ^h 5	25 ^o 26	10 ^o 47	29 ^o 12	0 ^o 1	6 ^o 4	12 ^o 2	17 ^o 14	29 ^o 55	21 ^o 14	22 ^o 32	28 ^o 33	6 ^o 17		
F 10	1 35 12	22 ^o 2'56	18 ^o 25	27 ^o 3	12 ^o 2	29 ^o 42	29 ^h 56	6 ^o 8	12 ^o 5	17 ^o 12	29 ^o 55	21 ^o 9	22 ^o 29	28 ^o 40	6 ^o 21		
S 11	1 39 9	23 ^o 2'57	0 ^h 55	28 ^o 38	13 ^o 16	0 ^h 11	29 ^o 51	6 ^o 11	12 ^o 8	17 ^o 11	29 ^o 54	21 ^o 6	22 ^o 25	28 ^o 47	6 ^o 24		
S 12	1 43 6	24 ^o 3'00	13 ^o 36	0 ^m 14	14 ^o 31	0 ^o 40	29 ^o 46	6 ^o 15	12 ^o 10	17 ^o 9	29 ^o 53	21 ^o 5	22 ^o 22	28 ^o 54	6 ^o 28		
M13	1 47 2	25 ^o 3'06	26 ^o 29	1 ^o 49	15 ^o 46	1 ^o 9	29 ^o 40	6 ^o 18	12 ^o 13	17 ^o 8	29 ^o 53	21 ^o D 5	22 ^o 19	29 ^o 0	6 ^o 31		
T 14	1 50 59	26 ^o 3'13	9 ^h 34	3 ^o 23	17 ^o 0	1 ^o 38	29 ^o 35	6 ^o 21	12 ^o 16	17 ^o 6	29 ^o 52	21 ^o 6	22 ^o 16	29 ^o 7	6 ^o 34		
W15	1 54 55	27 ^o 3'22	22 ^o 52	4 ^o 57	18 ^o 15	2 ^o 6	29 ^o 29	6 ^o 24	12 ^o 19	17 ^o 5	29 ^o 51	21 ^o 7	22 ^o 13	29 ^o 14	6 ^o 38		
T 16	1 58 52	28 ^o 3'34	6 ^h 24	6 ^o 31	19 ^o 29	2 ^o 34	29 ^o 23	6 ^o 27	12 ^o 21	17 ^o 3	29 ^o 51	21 ^o 9	22 ^o 10	29 ^o 20	6 ^o 41		
F 17	2 2 48	29 ^o 3'47	20 ^o 10	8 ^o 4	20 ^o 44	3 ^o 2	29 ^o 17	6 ^o 30	12 ^o 24	17 ^o 1	29 ^o 50	21 ^o 10	22 ^o 6	29 ^o 27	6 ^o 44		
S 18	2 6 45	0 ^m 4'03	4 ^h 10	9 ^o 37	21 ^o 59	3 ^o 30	29 ^o 11										

SWISS EPHEMERIS for the year 1063

NOVEMBER 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	3 1 57	14♍10'54	14♌14	0♊39	9♉22	9♏29	27°R31	7♎2	13♌11	16°R37	29°R45	21°R 3	21♍19	1♃8	7♏16
S 2	3 5 53	15°11'35	26° 8	2° 6	10°37	9°52	27♉24	7° 3	13°14	16♉35	29♌45	21♍3	21°15	1°15	7°18
M 3	3 9 50	16°12'16	8♃0	3°33	11°51	10°15	27°16	7° 4	13°17	16°33	29°45	21° 2	21°12	1°21	7°19
T 4	3 13 46	17°12'58	19°57	4°58	13° 6	10°38	27° 8	7° 6	13°21	16°31	29°45	21° 2	21° 9	1°28	7°20
W 5	3 17 43	18°13'42	2♂1	6°23	14°20	11° 0	27° 0	7° 6	13°24	16°30	29°44	21° 1	21° 6	1°35	7°21
T 6	3 21 39	19°14'27	14°17	7°47	15°34	11°22	26°52	7° 7	13°27	16°28	29°44	21° 1	21° 3	1°42	7°22
F 7	3 25 36	20°15'13	26°46	9°11	16°49	11°44	26°44	7° 8	13°31	16°26	29°44	21° 1	21° 0	1°48	7°23
S 8	3 29 33	21°16'00	9♉31	10°33	18° 3	12° 5	26°36	7° 8	13°34	16°25	29°D44	21°D 1	20°56	1°55	7°24
S 9	3 33 29	22°16'49	22°32	11°53	19°18	12°26	26°27	7° 9	13°38	16°23	29°44	21°R 1	20°53	2° 2	7°24
M10	3 37 26	23°17'39	5♐49	13°13	20°32	12°46	26°19	7° 9	13°41	16°21	29°44	21° 1	20°50	2° 8	7°25
T 11	3 41 22	24°18'30	19°20	14°30	21°46	13° 6	26°11	7°10	13°44	16°20	29°44	21° 1	20°47	2°15	7°25
W12	3 45 19	25°19'22	3♄5	15°46	23° 1	13°26	26° 3	7°10	13°48	16°18	29°45	21° 0	20°44	2°22	7°26
T 13	3 49 15	26°20'16	16°59	16°59	24°15	13°45	25°55	7°R10	13°51	16°16	29°45	21° 0	20°41	2°29	7°26
F 14	3 53 12	27°21'11	1♏1	18°10	25°29	14° 4	25°47	7°10	13°55	16°15	29°45	20°59	20°37	2°35	7°26
S 15	3 57 8	28°22'07	15° 9	19°18	26°44	14°22	25°38	7° 9	13°58	16°13	29°45	20°58	20°34	2°42	7°R26
S 16	4 1 5	29°23'05	29°20	20°23	27°58	14°40	25°30	7° 9	14° 2	16°11	29°45	20°D58	20°31	2°49	7°26
M17	4 5 2	0♊24'04	13♐31	21°24	29°12	14°58	25°22	7° 9	14° 6	16°10	29°45	20°58	20°28	2°56	7°26
T 18	4 8 58	1°25'04	27°41	22°20	0♉26	15°15	25°14	7° 8	14° 9	16° 8	29°46	20°59	20°25	3° 2	7°25
W19	4 12 55	2°26'06	11♌48	23°11	1°41	15°31	25° 6	7° 7	14°13	16° 6	29°46	21° 0	20°21	3° 9	7°25
T 20	4 16 51	3°27'08	25°48	23°57	2°55	15°47	24°58	7° 7	14°16	16° 5	29°46	21° 1	20°18	3°16	7°24
F 21	4 20 48	4°28'12	9♍40	24°35	4° 9	16° 3	24°50	7° 6	14°20	16° 3	29°46	21° 2	20°15	3°22	7°24
S 22	4 24 44	5°29'17	23°20	25° 7	5°23	16°18	24°42	7° 5	14°23	16° 2	29°47	21°R 2	20°12	3°29	7°23
S 23	4 28 41	6°30'23	6♊47	25°30	6°37	16°32	24°34	7° 4	14°27	16° 0	29°47	21° 2	20° 9	3°36	7°22
M24	4 32 37	7°31'29	19°58	25°44	7°52	16°46	24°26	7° 2	14°31	15°59	29°48	21° 0	20° 6	3°43	7°21
T 25	4 36 34	8°32'36	2♉52	25°R48	9° 6	17° 0	24°19	7° 1	14°34	15°57	29°48	20°58	20° 2	3°49	7°20
W26	4 40 31	9°33'44	15°30	25°41	10°20	17°13	24°11	7° 0	14°38	15°55	29°48	20°55	19°59	3°56	7°19
T 27	4 44 27	10°34'52	27°53	25°23	11°34	17°25	24° 3	6°58	14°42	15°54	29°49	20°52	19°56	4° 3	7°18
F 28	4 48 24	11°36'00	10♌2	24°53	12°48	17°37	23°56	6°56	14°45	15°52	29°49	20°49	19°53	4° 9	7°16
S 29	4 52 20	12°37'09	22° 2	24°12	14° 2	17°48	23°49	6°55	14°49	15°51	29°50	20°46	19°50	4°16	7°15
S 30	4 56 17	13♊38'18	3♃55	23♉20	15♉16	17♏58	23♉41	6♎53	14♌52	15♉49	29♌50	20♍45	19♍47	4♃23	7♏13

Delta T = 21m01s Julian Calendar 1 Nov. 1063 == Greg. Calendar 7 Nov. 1063

DECEMBER 1063 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	5 0 13	14♊39'28	15♃47	22°R17	16♉30	18♏8	23°R34	6°R51	14♌56	15°R48	29♌51	20♍44	19♍43	4♃30	7°R12
T 2	5 4 10	15°40'37	27°42	21♉6	17°44	18°17	23♉27	6♎49	15° 0	15♉47	29°52	20°45	19°40	4°36	7♏10
W 3	5 8 6	16°41'47	9♂45	19°49	18°58	18°26	23°20	6°47	15° 3	15°45	29°52	20°46	19°37	4°43	7° 8
T 4	5 12 3	17°42'57	22° 2	18°27	20°12	18°34	23°13	6°44	15° 7	15°44	29°53	20°48	19°34	4°50	7° 6
F 5	5 16 0	18°44'07	4♉35	17° 5	21°26	18°42	23° 7	6°42	15°11	15°42	29°53	20°50	19°31	4°56	7° 4
S 6	5 19 56	19°45'17	17°28	15°44	22°39	18°48	23° 0	6°40	15°14	15°41	29°54	20°R51	19°27	5° 3	7° 2
S 7	5 23 53	20°46'27	0♐44	14°27	23°53	18°54	22°54	6°37	15°18	15°40	29°55	20°50	19°24	5°10	7° 0
M 8	5 27 49	21°47'38	14°21	13°17	25° 7	19° 0	22°47	6°34	15°21	15°38	29°56	20°48	19°21	5°17	6°57
T 9	5 31 46	22°48'48	28°19	12°15	26°20	19° 5	22°41	6°32	15°25	15°37	29°56	20°45	19°18	5°23	6°55
W10	5 35 42	23°49'59	12♉33	11°22	27°34	19° 9	22°35	6°29	15°29	15°36	29°57	20°40	19°15	5°30	6°53
T 11	5 39 39	24°51'10	26°58	10°39	28°48	19°12	22°29	6°26	15°32	15°35	29°58	20°35	19°12	5°37	6°50
F 12	5 43 35	25°52'21	11♏28	10° 7	0♏1	19°14	22°24	6°23	15°36	15°33	29°59	20°29	19° 8	5°44	6°47
S 13	5 47 32	26°53'33	25°56	9°45	1°15	19°16	22°18	6°20	15°39	15°32	0♃0	20°25	19° 5	5°50	6°44
S 14	5 51 29	27°54'44	10♐19	9°33	2°28	19°17	22°13	6°16	15°43	15°31	0° 0	20°22	19° 2	5°57	6°42
M15	5 55 25	28°55'56	24°32	9°D31	3°42	19°R18	22° 8	6°13	15°47	15°30	0° 1	20°D21	18°59	6° 4	6°39
T 16	5 59 22	29°57'08	8♌34	9°38	4°55	19°17	22° 3	6°10	15°50	15°29	0° 2	20°21	18°56	6°10	6°36
W17	6 3 18	0♉58'21	22°23	9°53	6° 8	19°16	21°58	6° 6	15°54	15°28	0° 3	20°22	18°53	6°17	6°33
T 18	6 7 15	1°59'33	6♍0	10°15	7°22	19°14	21°53	6° 3	15°57	15°27	0° 4	20°23	18°49	6°24	6°29
F 19	6 11 11	3° 0'46	19°25	10°45	8°35	19°11	21°49	5°59	16° 1	15°26	0° 5	20°R24	18°46	6°31	6°26
S 20	6 15 8	4° 1'58	2♊38	11°20	9°48	19° 8	21°44	5°55	16° 4	15°25	0° 6	20°23	18°43	6°37	6°23
S 21	6 19 5	5° 3'11	15°41	12° 1	11° 1	19° 3	21°40	5°52	16° 8	15°24	0° 7	20°21	18°40	6°44	6°19
M22	6 23 1	6° 4'23	28°32	12°47	12°14	18°58	21°36	5°48	16°11	15°23	0° 8	20°15	18°37	6°51	6°16
T 23	6 26 58	7° 5'35	11♉11	13°37	13°28	18°52	21°33	5°44	16°15	15°22	0° 9	20° 8	18°33	6°57	6°12
W24	6 30 54	8° 6'47	23°39	14°31	14°41	18°45	21°29	5°40	16°18	15°21	0°10	19°59	18°30	7° 4	6° 9
T 25	6 34 51	9° 7'58	5♌55	15°29	15°53	18°37	21°26	5°36	16°22	15°20	0°11	19°49	18°27	7°11	6° 5
F 26	6 38 47	10° 9'08	18° 1	16°30	17° 6	18°29	21°23	5°32	16°25	15°19	0°12	19°39	18°24	7°18	6° 1
S 27	6 42 44	11°10'18	29°59	17°33	18°19	18°20	21°20	5°27	16°28	15°18	0°14	19°31	18°21	7°24	5°58
S 28	6 46 40	12°11'27	11♃51	18°40	19°32	18°10	21°17	5°23	16°32	15°18	0°15	19°24	18°18	7°31	5°54
M29	6 50 37	13°12'35	23°41	19°48	20°45	17°59	21°14	5°19	16°35	15°17	0°16	19°19	18°14	7°38	5°50
T 30	6 54 34	14°13'42	5♂34	20°59	21°57	17°47	21°12	5°14	16°38	15°16	0°17	19°17	18°11	7°44	5°46
W31	6 58 30	15♉14'48	17♂33	22♉11	23♌10	17♏35	21♉10	5♎10	16♌42	15♉15	0♃18	19°D16	18♍8	7♃51	5♏42

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