

SWISS EPHEMERIS for the year 963 BCE

JANUARY 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	6 3 13	23°19'07	9°37'37	7°23'23	28°27'59	26°38'38	16°R52	0°23'23	10°23'05	0°30'16	14°36'21	24°R36	25°37'13	2°38'03	n.a.
S 2	6 7 10	3°19'53	23°48'34	8°34'03	0°14'27	27°12'16	16°36'45	0°24'02	10°06'00	0°19'02	14°23'14	24°D36	25°09'25	2°09'20	n.a.
M 3	6 11 6	4°20'39	7°23'46	9°47'12	1°29'27	27°45'16	16°37'02	0°26'02	10°07'02	0°21'02	14°24'14	24°R36	25°06'25	2°16'21	n.a.
T 4	6 15 3	5°21'23	21°31'11	1°01'24	2°44'28	28°18'16	16°30'02	0°27'02	10°09'02	0°23'02	14°26'24	24°35'35	25°03'25	2°23'23	n.a.
W 5	6 19 0	6°22'06	5°11'04	12°17'35	3°59'28	28°52'16	16°22'02	0°29'02	10°10'02	0°25'02	14°28'24	24°32'25	25°00'22	2°29'29	n.a.
T 6	6 22 56	7°22'47	18°26'13	13°35'05	5°14'29	29°26'16	16°14'03	0°30'10	10°11'02	0°28'02	14°29'24	24°26'24	24°57'23	2°36'36	n.a.
F 7	6 26 53	8°23'27	14°36'16	14°54'06	6°29'29	29°59'16	16°07'03	0°31'10	10°11'02	0°30'02	14°31'24	24°18'24	24°54'24	2°43'43	n.a.
S 8	6 30 49	9°24'06	14°36'14	16°14'07	7°45'00	30°33'15	15°59'03	0°32'10	10°12'02	0°32'02	14°32'24	24°07'24	24°50'24	2°49'49	n.a.
S 9	6 34 46	10°24'43	27°24'17	17°36'09	9°00'01	1°07'15	15°51'03	0°33'10	10°13'02	0°34'02	14°34'24	23°54'24	24°47'25	2°56'56	n.a.
M10	6 38 42	11°25'19	10°30'18	18°59'10	1°15'14	15°43'03	15°43'03	0°34'10	10°14'02	0°37'02	14°35'24	23°40'24	24°44'25	3°03'03	n.a.
T 11	6 42 39	12°25'53	22°23'20	20°23'11	2°15'30	2°15'30	15°35'03	0°35'10	10°15'02	0°39'02	14°36'24	23°28'24	24°41'25	3°09'09	n.a.
W12	6 46 36	13°26'25	4°33'21	21°48'12	2°45'24	2°45'24	15°27'03	0°35'10	10°15'02	0°41'02	14°38'24	23°17'24	24°38'25	3°16'16	n.a.
T 13	6 50 32	14°26'56	16°37'23	23°14'14	0°00'23	3°23'15	15°19'03	0°36'10	10°16'02	0°43'02	14°39'24	23°08'24	24°34'25	3°23'23	n.a.
F 14	6 54 29	15°27'24	28°30'24	24°41'15	1°15'35	3°58'15	15°11'03	0°36'10	10°16'02	0°46'02	14°41'24	23°02'24	24°31'25	3°29'29	n.a.
S 15	6 58 25	16°27'50	10°31'17	26°10'16	1°30'43	4°32'15	15°04'03	0°37'10	10°17'02	0°48'02	14°42'24	22°59'24	24°28'25	3°36'36	n.a.
S 16	7 2 22	17°28'14	22°04'27	27°39'17	1°44'05	5°06'14	14°56'03	0°37'10	10°17'02	0°50'02	14°43'24	22°D58	24°25'25	3°43'43	n.a.
M17	7 6 18	18°28'37	3°35'29	18°59'18	1°59'05	5°41'14	14°48'03	0°37'10	10°18'02	0°52'02	14°44'24	22°59'24	24°22'25	3°49'49	n.a.
T 18	7 10 15	19°28'57	15°53'03	20°14'03	2°14'06	6°15'14	14°40'03	0°R37	10°18'02	0°54'02	14°46'24	22°R59	24°19'25	3°56'56	n.a.
W19	7 14 11	20°29'15	28°06'21	2°13'21	2°29'21	6°50'14	14°32'03	0°37'10	10°18'02	0°57'02	14°47'24	22°59'24	24°15'25	4°02'02	n.a.
T 20	7 18 8	21°29'30	10°38'34	3°47'22	2°44'27	7°25'14	14°24'03	0°37'10	10°18'02	0°59'02	14°48'24	22°57'24	24°12'25	4°09'09	n.a.
F 21	7 22 5	22°29'44	23°35'52	2°59'23	2°59'27	7°59'14	14°16'03	0°36'10	10°19'02	1°01'02	14°49'24	22°53'24	24°09'25	4°16'16	n.a.
S 22	7 26 1	23°29'55	6°11'57	6°57'25	2°59'25	8°34'14	14°09'03	0°36'10	10°19'02	1°03'02	14°50'24	22°47'24	24°06'25	4°22'22	n.a.
S 23	7 29 58	24°30'05	20°51'08	8°33'26	2°29'09	9°09'14	14°01'03	0°36'10	10°19'02	1°05'02	14°51'24	22°38'24	24°03'25	4°29'29	n.a.
M24	7 33 54	25°30'12	5°10'10	10°11'27	2°43'09	9°44'14	13°53'03	0°35'10	10°19'02	1°07'02	14°52'24	22°29'24	24°00'25	4°36'36	n.a.
T 25	7 37 51	26°30'17	19°51'11	11°50'28	2°58'10	10°19'13	13°46'03	0°34'10	10°19'02	1°09'02	14°53'24	22°20'24	23°56'25	4°42'42	n.a.
W26	7 41 47	27°30'20	4°47'13	13°29'00	3°13'10	10°54'13	13°38'03	0°33'10	10°19'02	1°12'02	14°54'24	22°12'24	23°53'25	4°49'49	n.a.
T 27	7 45 44	28°30'21	19°47'15	15°10'01	1°28'11	11°29'13	13°31'03	0°33'10	10°18'02	1°14'02	14°55'24	22°06'24	23°50'25	4°56'56	n.a.
F 28	7 49 40	29°30'20	4°44'16	16°52'24	1°42'12	12°04'13	13°23'03	0°32'10	10°18'02	1°16'02	14°56'24	22°02'24	23°47'25	5°02'02	n.a.
S 29	7 53 37	0°30'17	19°30'18	18°35'03	1°57'12	12°39'13	13°16'03	0°31'10	10°18'02	1°18'02	14°57'24	22°D1	23°44'25	5°09'09	n.a.
S 30	7 57 34	1°30'12	3°59'20	20°19'05	1°12'13	13°14'13	13°09'03	0°29'10	10°18'02	1°20'02	14°58'24	22°02'24	23°40'25	5°16'16	n.a.
M31	8 1 30	2°30'06	18°08'22	22°04'06	1°27'13	13°49'13	13°02'03	0°28'10	10°17'02	1°22'02	14°59'24	22°03'24	23°37'25	5°22'22	n.a.

Delta T = 07h00m34s Julian Calendar 1 Jan. 963 BCE == Greg. Calendar 23 Dec. 964 BCE
 The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

FEBRUARY 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	8 5 27	3°29'58	1°11'57	23°35'23	7°41'14	14°24'14	12°R55	0°R27	10°R17	1°24'15	15°00'00	22°R3	23°34'34	5°29'29	n.a.
W 2	8 9 23	4°29'48	15°27'25	25°38'08	8°56'15	15°00'12	12°38'48	0°25'10	10°16'16	1°26'15	15°00'00	22°33'33	23°31'31	5°36'36	n.a.
T 3	8 13 20	5°29'36	28°38'27	10°11'15	1°15'35	12°41'12	12°41'12	0°24'10	10°16'16	1°28'15	15°01'01	22°00'00	23°28'28	5°42'42	n.a.
F 4	8 17 16	6°29'22	11°34'29	11°25'16	1°16'10	12°34'12	12°34'12	0°22'10	10°15'15	1°30'15	15°02'02	21°56'56	23°25'25	5°49'49	n.a.
S 5	8 21 13	7°29'07	24°16'18	12°40'12	1°40'12	12°40'12	12°28'02	0°20'10	10°14'14	1°32'15	15°03'03	21°49'49	23°21'21	5°56'56	n.a.
S 6	8 25 9	8°28'49	6°34'25	13°54'17	1°54'17	12°21'12	12°21'12	0°18'10	10°14'14	1°34'15	15°03'03	21°41'41	23°18'18	6°02'02	n.a.
M 7	8 29 6	9°28'30	19°04'45	1°59'17	1°57'17	12°15'12	12°15'12	0°16'10	10°13'13	1°35'15	15°04'04	21°33'33	23°15'15	6°09'09	n.a.
T 8	8 33 3	10°28'08	1°13'06	16°24'18	1°32'18	12°08'12	12°08'12	0°14'10	10°12'12	1°37'15	15°04'04	21°26'26	23°12'12	6°16'16	n.a.
W 9	8 36 59	11°27'45	13°14'08	8°42'17	1°38'17	11°08'11	12°02'11	0°12'10	10°11'11	1°39'15	15°05'05	21°19'19	23°09'09	6°22'22	n.a.
T 10	8 40 56	12°27'19	25°08'10	10°39'18	1°53'18	11°43'11	11°56'10	0°10'10	10°10'10	1°41'15	15°05'05	21°14'14	23°06'06	6°29'29	n.a.
F 11	8 44 52	13°26'51	6°57'12	12°36'20	2°07'19	11°50'11	11°50'11	0°08'10	10°09'09	1°43'15	15°06'06	21°11'11	23°02'02	6°36'36	n.a.
S 12	8 48 49	14°26'20	18°44'14	14°35'21	2°22'20	11°45'11	11°45'11	0°05'10	10°08'08	1°45'15	15°06'06	21°D10	22°59'59	6°42'42	n.a.
S 13	8 52 45	15°25'47	0°31'16	16°34'22	2°36'21	11°39'11	11°39'11	0°03'10	10°07'07	1°46'15	15°07'07	21°10'10	22°56'56	6°49'49	n.a.
M14	8 56 42	16°25'12	12°22'18	18°34'23	2°51'22	11°34'11	11°34'11	0°00'10	10°06'06	1°48'15	15°07'07	21°12'12	22°53'53	6°55'55	n.a.
T 15	9 0 38	17°24'35	24°21'20	20°35'25	2°55'22	11°28'11	11°28'11	29°58'58	10°05'05	1°50'15	15°08'08	21°13'13	22°50'50	7°02'02	n.a.
W16	9 4 35	18°23'55	6°34'22	26°19'23	2°19'23	11°23'11	11°23'11	29°55'55	10°04'04	1°52'15	15°08'08	21°15'15	22°46'46	7°09'09	n.a.
T 17	9 8 31	19°23'12	19°03'24	24°38'27	2°34'27	11°18'11	11°18'11	29°52'52	10°03'03	1°53'15	15°08'08	21°R15	22°43'43	7°15'15	n.a.
F 18	9 12 28	20°22'28	1°11'55	26°40'28	2°48'24	11°14'11	11°14'11	29°49'49	10°01'01	1°55'15	15°08'08	21°15'15	22°40'40	7°22'22	n.a.
S 19	9 16 25	21°21'40	15°13'28	28°42'00	2°59'25	11°09'11	11°09'11	29°46'46	10°00'00	1°57'15	15°09'09	21°13'13	22°37'37	7°29'29	n.a.
S 20	9 20 21	22°20'51	29°04'00	0°43'21	1°17'25	11°04'11	11°04'11	29°43'43	9°59'59	1°58'15	15°09'09	21°10'10	22°34'34	7°35'35	n.a.
M21	9 24 18	23°19'59	13°14'24	2°31'26	1°17'26	11°00'11	11°00'11	29°40'40	9°57'57	2°00'15	15°09'09	21°06'06	22°31'31	7°42'42	n.a.
T 22	9 28 14	24°19'04	27°54'44	3°45'26	1°53'26	10°56'10	10°56'10	29°37'37	9°56'56	2°01'15	15°09'09	21°02'02	22°27'27	7°49'49	n.a.
W23	9 32 11	25°18'07	12°54'06	5°00'27	2°29'27	10°52'10	10°52'10	29°34'34	9°54'54	2°03'15	15°09'09	20°59'59	22°24'24	7°55'55	n.a.
T 24	9 36 7	26°17'08	28°04'08	6°14'28	2°58'28	10°48'10	10°48'10	29°31'31	9°53'53	2°05'15	15°09'09	20°56'56	22°21'21	8°02'02	n.a.
F 25	9 40 4	27°16'07	13°17'10	10°33'27	3°28'28	10°45'10	10°45'10	29°27'27	9°51'51	2°06'15	15°R9	20°55'55	22°18'18	8°09'09	n.a.
S 26	9 44 0	28°15'04	28°21'12	12°25'28	3°42'29	10°41'10	10°41'10	29°24'24	9°50'50	2°08'15	15°09'09	20°D55	22°15'15	8°15'15	n.a.
S 27	9 47 57	29°13'58	13°09'13	14°14'09	3°56'29	10°38'10	10°38'10	29°20'20	9°48'48	2°09'15	15°09'09	20°56'56	22°11'11	8°22'22	n.a.
M28	9 51 54	0°13'25	27°35'15	15°59'11	4°10'29	10°33'10	10°33'10	29°17'17	9°46'46	2°10'15	15°09'09	20°57'57	22°08'08	8°29'29	n.a.

Delta T = 07h00m32s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 963 BCE

MARCH 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	9 55 50	17°11'42	11♎37	17°41	12°24	18°5	10°R32	29°R13	9°R44	2°312	15°R 9	20♎58	22♎5	8°35	n.a.								
W 2	9 59 47	2°10'31	25°13	19°19	13°39	1°42	10°29	29♎9	9°43	2°13	15♎9	20°59	22°2	8°42	n.a.								
T 3	10 3 43	3°9'18	8°26	20°53	14°53	2°18	10°26	29°6	9°41	2°14	15°9	20°R59	21°59	8°49	n.a.								
F 4	10 7 40	4°8'03	21°18	22°22	16°7	2°54	10°24	29°2	9°39	2°16	15°8	20°58	21°56	8°55	n.a.								
S 5	10 11 36	5°6'47	3°51	23°47	17°21	3°30	10°22	28°58	9°37	2°17	15°8	20°57	21°52	9°2	n.a.								
S 6	10 15 33	6°5'29	16°10	25°6	18°35	4°6	10°20	28°54	9°35	2°18	15°8	20°55	21°49	9°8	n.a.								
M 7	10 19 29	7°4'09	28°17	26°20	19°49	4°43	10°18	28°50	9°33	2°20	15°8	20°53	21°46	9°15	n.a.								
T 8	10 23 26	8°2'46	10°15	27°29	21°3	5°19	10°16	28°46	9°31	2°21	15°7	20°51	21°43	9°22	n.a.								
W 9	10 27 23	9°1'22	22°7	28°32	22°17	5°55	10°15	28°42	9°29	2°22	15°7	20°49	21°40	9°28	n.a.								
T 10	10 31 19	9°59'56	3°56	29°29	23°31	6°31	10°14	28°38	9°27	2°23	15°6	20°48	21°37	9°35	n.a.								
F 11	10 35 16	10°58'28	15°43	0°Y21	24°44	7°8	10°13	28°34	9°25	2°24	15°6	20°D48	21°33	9°42	n.a.								
S 12	10 39 12	11°56'58	27°31	1°7	25°58	7°44	10°12	28°29	9°23	2°25	15°6	20°48	21°30	9°48	n.a.								
S 13	10 43 9	12°55'26	9°Y22	1°46	27°12	8°21	10°11	28°25	9°21	2°26	15°5	20°48	21°27	9°55	n.a.								
M14	10 47 5	13°53'51	21°18	2°20	28°26	8°57	10°10	28°21	9°19	2°27	15°5	20°49	21°24	10°2	n.a.								
T 15	10 51 2	14°52'15	3°Z23	2°48	29°40	9°33	10°10	28°17	9°16	2°28	15°4	20°49	21°21	10°8	n.a.								
W16	10 54 58	15°50'36	15°40	3°9	0°Y54	10°10	10°D10	28°12	9°14	2°29	15°3	20°50	21°17	10°15	n.a.								
T 17	10 58 55	16°48'55	28°13	3°25	2°7	10°46	10°10	28°8	9°12	2°30	15°3	20°50	21°14	10°22	n.a.								
F 18	11 2 52	17°47'12	11°II 3	3°35	3°21	11°23	10°10	28°4	9°10	2°31	15°2	20°51	21°11	10°28	n.a.								
S 19	11 6 48	18°45'27	24°16	3°R39	4°35	11°59	10°11	27°59	9°7	2°32	15°1	20°R51	21°8	10°35	n.a.								
S 20	11 10 45	19°43'40	7°Z53	3°37	5°48	12°35	10°11	27°55	9°5	2°33	15°1	20°51	21°5	10°42	n.a.								
M21	11 14 41	20°41'50	21°56	3°29	7°2	13°12	10°12	27°51	9°3	2°34	15°0	20°D51	21°2	10°48	n.a.								
T 22	11 18 38	21°39'58	6°Ω23	3°17	8°16	13°48	10°13	27°46	9°0	2°34	14°59	20°51	20°58	10°55	n.a.								
W23	11 22 34	22°38'04	21°12	3°0	9°29	14°25	10°14	27°42	8°58	2°35	14°59	20°51	20°55	11°1	n.a.								
T 24	11 26 31	23°36'09	6°♎15	2°38	10°43	15°1	10°15	27°37	8°56	2°36	14°58	20°51	20°52	11°8	n.a.								
F 25	11 30 27	24°34'11	21°26	2°12	11°56	15°38	10°17	27°33	8°53	2°37	14°57	20°R51	20°49	11°15	n.a.								
S 26	11 34 24	25°32'11	6°Ω32	1°42	13°10	16°15	10°19	27°28	8°51	2°37	14°56	20°51	20°46	11°21	n.a.								
S 27	11 38 20	26°30'10	21°32	1°10	14°23	16°51	10°20	27°24	8°48	2°38	14°55	20°50	20°42	11°28	n.a.								
M28	11 42 17	27°28'07	6°♎10	0°35	15°36	17°28	10°23	27°19	8°46	2°38	14°54	20°50	20°39	11°35	n.a.								
T 29	11 46 14	28°26'02	20°24	29°X59	16°50	18°4	10°25	27°15	8°43	2°39	14°53	20°49	20°36	11°41	n.a.								
W30	11 50 10	29°23'56	4°X10	29°21	18°3	18°41	10°27	27°10	8°41	2°39	14°52	20°48	20°33	11°48	n.a.								
T 31	11 54 7	0°Y21'49	17°X30	28°X43	19°Y17	19°X17	10°Z30	27°Y6	8°Z38	2°Z40	14°Y51	20°Y47	20°Y30	11°X55	n.a.								

Delta T = 07h00m31s Julian Calendar 1 March 963 BCE == Greg. Calendar 20 Feb. 963 BCE
 The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

APRIL 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	11 58 3	1°Y19'40	0°Z25	28°R 6	20°Y30	19°X54	10°Z32	27°R 1	8°R36	2°Z40	14°R50	20°Y47	20°Y27	12°X 1	n.a.								
S 2	12 2 0	2°17'31	12°58	27°X29	21°43	20°31	10°35	26°Y57	8°Z34	2°41	14°Y49	20°47	20°23	12°8	n.a.								
S 3	12 5 56	3°15'19	25°13	26°54	22°56	21°7	10°38	26°52	8°31	2°41	14°48	20°48	20°20	12°15	n.a.								
M 4	12 9 53	4°13'06	7°Ω15	26°21	24°10	21°44	10°42	26°48	8°28	2°42	14°47	20°49	20°17	12°21	n.a.								
T 5	12 13 49	5°10'52	19°8	25°51	25°23	22°21	10°45	26°44	8°26	2°42	14°46	20°51	20°14	12°28	n.a.								
W 6	12 17 46	6°8'37	0°X56	25°24	26°36	22°57	10°49	26°39	8°23	2°42	14°45	20°52	20°11	12°35	n.a.								
T 7	12 21 43	7°6'20	12°43	25°0	27°49	23°34	10°53	26°35	8°21	2°42	14°44	20°53	20°8	12°41	n.a.								
F 8	12 25 39	8°4'02	24°31	24°41	29°2	24°11	10°56	26°30	8°18	2°43	14°43	20°R53	20°4	12°48	n.a.								
S 9	12 29 36	9°1'42	6°Y23	24°25	0°X16	24°48	11°1	26°26	8°16	2°43	14°41	20°52	20°1	12°54	n.a.								
S 10	12 33 32	9°59'21	18°22	24°13	1°29	25°24	11°5	26°22	8°13	2°43	14°40	20°50	19°58	13°1	n.a.								
M11	12 37 29	10°56'59	0°Z29	24°6	2°42	26°1	11°9	26°18	8°11	2°43	14°39	20°48	19°55	13°8	n.a.								
T 12	12 41 25	11°54'35	12°46	24°D 4	3°55	26°38	11°14	26°13	8°8	2°43	14°38	20°45	19°52	13°14	n.a.								
W13	12 45 22	12°52'09	25°14	24°6	5°8	27°15	11°19	26°9	8°6	2°43	14°37	20°41	19°48	13°21	n.a.								
T 14	12 49 18	13°49'42	7°II57	24°13	6°21	27°51	11°23	26°5	8°3	2°R43	14°35	20°38	19°45	13°28	n.a.								
F 15	12 53 15	14°47'14	20°54	24°24	7°34	28°28	11°29	26°1	8°1	2°43	14°34	20°36	19°42	13°34	n.a.								
S 16	12 57 12	15°44'44	4°Z9	24°39	8°47	29°5	11°34	25°57	7°58	2°43	14°33	20°34	19°39	13°41	n.a.								
S 17	13 1 8	16°42'13	17°42	24°59	9°59	29°42	11°39	25°53	7°56	2°43	14°31	20°D34	19°36	13°48	n.a.								
M18	13 5 5	17°39'40	1°Ω34	25°24	11°12	0°II19	11°45	25°49	7°53	2°43	14°30	20°34	19°33	13°54	n.a.								
T 19	13 9 1	18°37'05	15°47	25°53	12°25	0°56	11°50	25°45	7°51	2°43	14°29	20°35	19°29	14°1	n.a.								
W20	13 12 58	19°34'29	0°♎17	26°25	13°38	1°32	11°56	25°41	7°48	2°43	14°27	20°37	19°26	14°8	n.a.								
T 21	13 16 54	20°31'52	15°2	27°2	14°51	2°9	12°2	25°37	7°46	2°43	14°26	20°R38	19°23	14°14	n.a.								
F 22	13 20 51	21°29'13	29°57	27°43	16°3	2°46	12°8	25°33	7°44	2°42	14°24	20°37	19°20	14°21	n.a.								
S 23	13 24 47	22°26'34	14°Ω53	28°27	17°16	3°23	12°14	25°29	7°41	2°42	14°23	20°36	19°17	14°27	n.a.								
S 24	13 28 44	23°23'53	29°44	29°16	18°28	4°0	12°21	25°26	7°39	2°42	14°22	20°33	19°13	14°34	n.a.								
M25	13 32 40	24°21'11	14°♎21	0°Y7	19°41	4°37	12°27	25°22	7°36	2°41	14°20	20°28	19°10	14°41	n.a.								
T 26	13 36 37	25°18'28	28°38	1°3	20°54	5°14	12°34	25°18	7°34	2°41	14°19	20°23	19°7	14°47	n.a.								
W27	13 40 34	26°15'45	12°X30	2°2	22°6	5°51	12°41	25°15	7°32	2°41	14°17	20°18	19°4	14°54	n.a.								
T 28	13 44 30	27°13'01	25°55	3°4	23°19	6°28	12°48	25°11	7°29	2°40	14°16	20°14	19°1	15°1	n.a.								
F 29	13 48 27	28°10'16	8°Z54	4°9	24°31	7°5	12°55	25°8	7°27	2°40	14°14	20°10	18°58	15°7	n.a.								
S 30	13 52 23	29°Y7'31	21°Z30	5°Y18	25°R44	7°II42	13°Z2	25°Y5	7°Z25	2°Z39	14°Y13	20°Y9	18°Y54	15°X14	n.a.								

Delta T = 07h00m29s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 963 BCE

MAY 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	13 56 20	08 4'45	3≈46	6∇29	26856	8II19	139 9	25°R 1	7°R22	2°R39	14°R11	20∩ 8	18∩51	15∩21	n.a.									
M 2	14 0 16	1° 1'58	15°47	7°44	28° 8	8°56	13°16	24∩58	7∩20	2∩38	14∩10	20° 9	18°48	15°27	n.a.									
T 3	14 4 13	1°59'11	27°39	9° 2	29°21	9°33	13°24	24°55	7°18	2°38	14° 8	20°11	18°45	15°34	n.a.									
W 4	14 8 9	2°56'24	9∩26	10°23	0II33	10°10	13°32	24°52	7°16	2°37	14° 7	20°12	18°42	15°41	n.a.									
T 5	14 12 6	3°53'36	21°14	11°47	1°45	10°47	13°40	24°49	7°14	2°37	14° 5	20°R13	18°39	15°47	n.a.									
F 6	14 16 3	4°50'48	3∇5	13°13	2°57	11°24	13°47	24°46	7°12	2°36	14° 4	20°12	18°35	15°54	n.a.									
S 7	14 19 59	5°47'59	15° 4	14°43	4°10	12° 1	13°56	24°43	7° 9	2°35	14° 2	20° 9	18°32	16° 1	n.a.									
S 8	14 23 56	6°45'09	27°13	16°16	5°22	12°38	14° 4	24°41	7° 7	2°34	14° 0	20° 4	18°29	16° 7	n.a.									
M 9	14 27 52	7°42'19	9∩34	17°51	6°34	13°15	14°12	24°38	7° 5	2°34	13°59	19°57	18°26	16°14	n.a.									
T 10	14 31 49	8°39'29	22° 8	19°29	7°46	13°52	14°20	24°35	7° 3	2°33	13°57	19°49	18°23	16°20	n.a.									
W11	14 35 45	9°36'38	4II55	21°10	8°58	14°29	14°29	24°33	7° 1	2°32	13°56	19°40	18°19	16°27	n.a.									
T 12	14 39 42	10°33'47	17°55	22°54	10°10	15° 6	14°37	24°30	6°59	2°31	13°54	19°32	18°16	16°34	n.a.									
F 13	14 43 38	11°30'55	18 8	24°40	11°22	15°43	14°46	24°28	6°57	2°31	13°53	19°25	18°13	16°40	n.a.									
S 14	14 47 35	12°28'02	14°33	26°29	12°34	16°21	14°55	24°26	6°55	2°30	13°51	19°20	18°10	16°47	n.a.									
S 15	14 51 32	13°25'09	28°11	28°21	13°46	16°58	15° 4	24°23	6°54	2°29	13°49	19°17	18° 7	16°54	n.a.									
M16	14 55 28	14°22'15	12∩ 2	0815	14°58	17°35	15°13	24°21	6°52	2°28	13°48	19°D16	18° 4	17° 0	n.a.									
T 17	14 59 25	15°19'21	26° 5	2°12	16°10	18°12	15°22	24°19	6°50	2°27	13°46	19°16	18° 0	17° 7	n.a.									
W18	15 3 21	16°16'26	10∩20	4°11	17°21	18°49	15°32	24°17	6°48	2°26	13°45	19°17	17°57	17°14	n.a.									
T 19	15 7 18	17°13'30	24°44	6°12	18°33	19°27	15°41	24°16	6°46	2°25	13°43	19°R17	17°54	17°20	n.a.									
F 20	15 11 14	18°10'34	9∩16	8°16	19°45	20° 4	15°50	24°14	6°45	2°24	13°42	19°15	17°51	17°27	n.a.									
S 21	15 15 11	19° 7'37	23°51	10°21	20°56	20°41	16° 0	24°12	6°43	2°23	13°40	19°11	17°48	17°34	n.a.									
S 22	15 19 7	20° 4'41	8∩22	12°27	22° 8	21°18	16°10	24°11	6°42	2°22	13°38	19° 5	17°45	17°40	n.a.									
M23	15 23 4	21° 1'44	22°44	14°35	23°19	21°56	16°19	24° 9	6°40	2°21	13°37	18°57	17°41	17°47	n.a.									
T 24	15 27 1	21°58'47	6∩51	16°44	24°31	22°33	16°29	24° 8	6°38	2°19	13°35	18°47	17°38	17°53	n.a.									
W25	15 30 57	22°55'51	20°37	18°53	25°42	23°10	16°39	24° 6	6°37	2°18	13°34	18°37	17°35	18° 0	n.a.									
T 26	15 34 54	23°52'54	4∩ 0	21° 3	26°54	23°48	16°49	24° 5	6°36	2°17	13°32	18°28	17°32	18° 7	n.a.									
F 27	15 38 50	24°49'58	16°59	23°14	28° 5	24°25	16°59	24° 4	6°34	2°16	13°31	18°21	17°29	18°13	n.a.									
S 28	15 42 47	25°47'02	29°35	25°24	29°16	25° 2	17° 9	24° 3	6°33	2°15	13°29	18°15	17°25	18°20	n.a.									
S 29	15 46 43	26°44'07	11≈52	27°34	0828	25°40	17°20	24° 2	6°31	2°13	13°28	18°12	17°22	18°27	n.a.									
M30	15 50 40	27°41'11	23°54	29°43	1°39	26°17	17°30	24° 1	6°30	2°12	13°26	18°D11	17°19	18°33	n.a.									
T 31	15 54 36	28∩38'17	5∩47	1II52	2850	26II55	17840	24∩ 1	6∩29	2∩11	13∩25	18∩11	17∩16	18∩40	n.a.									

Delta T = 07h00m28s Julian Calendar 1 May 963 BCE == Greg. Calendar 22 Apr. 963 BCE
 The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

JUNE 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
W 1	15 58 33	29∩35'22	17∩35	3II59	48 1	27II32	17851	24°R 0	6°R28	2°R10	13°R23	18°R12	17∩13	18∩47	n.a.									
T 2	16 2 30	0II32'29	29°24	6° 6	5°12	28° 9	18° 2	23∩59	6∩27	2∩ 8	13∩22	18∩11	17°10	18°53	n.a.									
F 3	16 6 26	1°29'35	11∇19	8°11	6°23	28°47	18°12	23°59	6°26	2° 7	13°20	18° 9	17° 6	19° 0	n.a.									
S 4	16 10 23	2°26'43	23°25	10°14	7°34	29°24	18°23	23°59	6°25	2° 6	13°19	18° 4	17° 3	19° 7	n.a.									
S 5	16 14 19	3°23'50	5∩44	12°16	8°45	08 2	18°34	23°58	6°24	2° 4	13°17	17°57	17° 0	19°13	n.a.									
M 6	16 18 16	4°20'59	18°19	14°17	9°56	0°39	18°45	23°58	6°23	2° 3	13°16	17°48	16°57	19°20	n.a.									
T 7	16 22 12	5°18'08	1II10	16°16	11° 6	1°17	18°56	23°D58	6°22	2° 2	13°14	17°36	16°54	19°27	n.a.									
W 8	16 26 9	6°15'17	14°18	18°13	12°17	1°55	19° 7	23°58	6°21	2° 0	13°13	17°24	16°50	19°33	n.a.									
T 9	16 30 5	7°12'27	27°41	20° 8	13°28	2°32	19°18	23°58	6°20	1°59	13°11	17°12	16°47	19°40	n.a.									
F 10	16 34 2	8° 9'38	11817	22° 1	14°38	3°10	19°29	23°58	6°19	1°57	13°10	17° 2	16°44	19°46	n.a.									
S 11	16 37 59	9° 6'48	25° 2	23°53	15°49	3°47	19°40	23°59	6°19	1°56	13° 9	16°54	16°41	19°53	n.a.									
S 12	16 41 55	10° 4'00	8∩55	25°43	16°59	4°25	19°52	23°59	6°18	1°54	13° 7	16°49	16°38	20° 0	n.a.									
M13	16 45 52	11° 1'11	22°54	27°31	18°10	5° 3	20° 3	24° 0	6°17	1°53	13° 6	16°46	16°35	20° 6	n.a.									
T 14	16 49 48	11°58'23	6∩58	29°17	19°20	5°40	20°15	24° 0	6°17	1°51	13° 5	16°46	16°31	20°13	n.a.									
W15	16 53 45	12°55'35	21° 5	18 1	20°30	6°18	20°26	24° 1	6°16	1°50	13° 3	16°45	16°28	20°20	n.a.									
T 16	16 57 41	13°52'48	5∩16	2°44	21°41	6°56	20°38	24° 2	6°16	1°48	13° 2	16°45	16°25	20°26	n.a.									
F 17	17 1 38	14°50'01	19°27	4°25	22°51	7°34	20°49	24° 3	6°15	1°47	13° 1	16°42	16°22	20°33	n.a.									
S 18	17 5 34	15°47'14	3∩38	6° 4	24° 1	8°11	21° 1	24° 4	6°15	1°45	12°59	16°37	16°19	20°40	n.a.									
S 19	17 9 31	16°44'28	17°44	7°41	25°11	8°49	21°13	24° 5	6°15	1°44	12°58	16°30	16°16	20°46	n.a.									
M20	17 13 28	17°41'43	1∩43	9°16	26°21	9°27	21°25	24° 6	6°14	1°42	12°57	16°20	16°12	20°53	n.a.									
T 21	17 17 24	18°38'59	15°29	10°50	27°31	10° 5	21°36	24° 7	6°14	1°40	12°56	16° 8	16° 9	21° 0	n.a.									
W22	17 21 21	19°36'16	28°58	12°22	28°40	10°42	21°48	24° 9	6°14	1°39	12°55	15°56	16° 6	21° 6	n.a.									
T 23	17 25 17	20°33'34	12∩10	13°52	29°50	11°20	22° 0	24°10	6°14	1°37	12°53	15°44	16° 3	21°13	n.a.									
F 24	17 29 14	21°30'53	25° 1	15°20	0∩59	11°58	22°12	24°12	6°D14	1°36	12°52	15°35	16° 0	21°20	n.a.									
S 25	17 33 10	22°28'13	7≈33	16°46	2° 9	12°36	22°24	24°13	6°14	1°34	12°51	15°28	15°56	21°26	n.a.									
S 26	17 37 7	23°25'34	19°48	18°11	3°18	13°14	22°37	24°15	6°14	1°32	12°50	15°23	15°53	21°33	n.a.									
M27	17 41 3	24°22'56	1∩49	19°33	4°28	13°52	22°49	24°17	6°14	1°31	12°49	15°21	15°50	21°39	n.a.									
T 28	17 45 0	25°20'20	13°41	20°54	5°37	14°30	23° 1	24°19	6°14															

SWISS EPHEMERIS for the year 963 BCE

JULY 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	17 56 50	28II12'40	19Y17	24Ω43	9Ω 4	16Ω24	23Ω38	24M25	6Ω15	1°R24	12°R45	15°R18	15M37	22K 6	n.a.		
S 2	18 04 46	29°10'09	1B26	25°55	10°13	17° 2	23°50	24°28	6°15	1B23	12M44	15M15	15°34	22°13	n.a.		
S 3	18 44 43	0Ω 7'40	13°52	27° 5	11°22	17°40	24° 3	24°30	6°16	1°21	12°43	15° 8	15°31	22°19	n.a.		
M 4	18 8 39	1° 5'13	26°36	28°13	12°30	18°18	24°15	24°32	6°16	1°19	12°42	14°59	15°28	22°26	n.a.		
T 5	18 12 36	2° 2'47	9II42	29°18	13°39	18°56	24°28	24°35	6°17	1°18	12°41	14°49	15°25	22°33	n.a.		
W 6	18 16 32	3° 0'22	23° 8	0Ω21	14°48	19°34	24°40	24°38	6°17	1°16	12°40	14°37	15°22	22°39	n.a.		
T 7	18 20 29	3°57'59	6Ω54	1°21	15°56	20°13	24°53	24°40	6°18	1°15	12°39	14°26	15°18	22°46	n.a.		
F 8	18 24 26	4°55'38	20°54	2°19	17° 4	20°51	25° 5	24°43	6°19	1°13	12°39	14°17	15°15	22°53	n.a.		
S 9	18 28 22	5°53'17	5Ω 4	3°13	18°12	21°29	25°18	24°46	6°19	1°11	12°38	14° 9	15°12	22°59	n.a.		
S 10	18 32 19	6°50'58	19°21	4° 5	19°20	22° 7	25°31	24°49	6°20	1°10	12°37	14° 5	15° 9	23° 6	n.a.		
M11	18 36 15	7°48'40	3M38	4°53	20°28	22°46	25°43	24°52	6°21	1° 8	12°36	14° 2	15° 6	23°13	n.a.		
T 12	18 40 12	8°46'24	17°54	5°38	21°36	23°24	25°56	24°55	6°22	1° 6	12°36	14°D 2	15° 2	23°19	n.a.		
W13	18 44 8	9°44'08	2Ω 6	6°19	22°44	24° 2	26° 9	24°59	6°23	1° 5	12°35	14° 3	14°59	23°26	n.a.		
T 14	18 48 5	10°41'54	16°11	6°57	23°51	24°41	26°22	25° 2	6°24	1° 3	12°34	14°R 3	14°56	23°32	n.a.		
F 15	18 52 1	11°39'41	0M11	7°31	24°59	25°19	26°34	25° 5	6°25	1° 2	12°34	14° 1	14°53	23°39	n.a.		
S 16	18 55 58	12°37'29	14° 3	8° 0	26° 6	25°57	26°47	25° 9	6°26	1° 0	12°33	13°57	14°50	23°46	n.a.		
S 17	18 59 55	13°35'19	27° 46	8°25	27°13	26°36	27° 0	25°13	6°27	0°58	12°33	13°51	14°47	23°52	n.a.		
M18	19 3 51	14°33'10	11A19	8°45	28°20	27°14	27°13	25°16	6°28	0°57	12°32	13°43	14°43	23°59	n.a.		
T 19	19 7 48	15°31'03	24°41	9° 0	29°27	27°53	27°26	25°20	6°30	0°55	12°32	13°34	14°40	24° 6	n.a.		
W20	19 11 44	16°28'57	7B49	9°10	0M34	28°31	27°39	25°24	6°31	0°54	12°31	13°24	14°37	24°12	n.a.		
T 21	19 15 41	17°26'53	20°42	9°R15	1°40	29°10	27°52	25°28	6°32	0°52	12°31	13°15	14°34	24°19	n.a.		
F 22	19 19 37	18°24'51	3Ω19	9°14	2°47	29°48	28° 5	25°32	6°34	0°51	12°30	13° 7	14°31	24°26	n.a.		
S 23	19 23 34	19°22'51	15°41	9° 7	3°53	0Ω27	28°18	25°36	6°35	0°49	12°30	13° 1	14°28	24°32	n.a.		
S 24	19 27 30	20°20'52	27°50	8°54	4°59	1° 5	28°31	25°40	6°37	0°48	12°30	12°58	14°24	24°39	n.a.		
M25	19 31 27	21°18'55	9K48	8°35	6° 5	1°44	28°44	25°44	6°38	0°46	12°29	12°D56	14°21	24°46	n.a.		
T 26	19 35 24	22°17'01	21°39	8° 9	7°11	2°23	28°57	25°48	6°40	0°45	12°29	12°57	14°18	24°52	n.a.		
W27	19 39 20	23°15'08	3Y27	7°38	8°16	3° 1	29°10	25°53	6°41	0°43	12°29	12°58	14°15	24°59	n.a.		
T 28	19 43 17	24°13'17	15°26	7° 1	9°22	3°40	29°23	25°57	6°43	0°42	12°28	12°59	14°12	25° 6	n.a.		
F 29	19 47 13	25°11'29	27°13	6°18	10°27	4°19	29°36	26° 2	6°45	0°40	12°28	12°R59	14° 8	25°12	n.a.		
S 30	19 51 10	26° 9'43	9B22	5°30	11°32	4°58	29°49	26° 6	6°46	0°39	12°28	12°58	14° 5	25°19	n.a.		
S 31	19 55 6	27Ω 7'59	21B48	4Ω38	12M37	5Ω37	0Ω 2	26M11	6Ω48	0B37	12M28	12M55	14M 2	25K25	n.a.		

Delta T = 07h00m25s Julian Calendar 1 July 963 BCE == Greg. Calendar 22 June 963 BCE
 The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

AUGUST 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	19 59 3	28Ω 6'17	4II36	3°R42	13M41	6Ω15	0Ω15	26M16	6Ω50	0°R36	12°R28	12°R51	13M59	25K32	n.a.		
T 2	20 2 59	29° 4'37	17°47	2Ω44	14°46	6°54	0°28	26°21	6°52	0B35	12M28	12M45	13°56	25°39	n.a.		
W 3	20 6 56	0Ω 3'00	1Ω24	1°44	15°50	7°33	0°41	26°25	6°54	0°33	12°28	12°38	13°53	25°45	n.a.		
T 4	20 10 53	1° 1'24	15°24	0°44	16°54	8°12	0°54	26°30	6°56	0°32	12°D28	12°31	13°49	25°52	n.a.		
F 5	20 14 49	1°59'51	29°43	29Ω46	17°58	8°51	1° 7	26°35	6°58	0°30	12°28	12°25	13°46	25°59	n.a.		
S 6	20 18 46	2°58'20	14Ω17	28°50	19° 1	9°30	1°20	26°40	7° 0	0°29	12°28	12°21	13°43	26° 5	n.a.		
S 7	20 22 42	3°56'50	28°59	27°58	20° 4	10° 9	1°33	26°45	7° 2	0°28	12°28	12°18	13°40	26°12	n.a.		
M 8	20 26 39	4°55'23	13M41	27°11	21° 7	10°48	1°46	26°51	7° 5	0°27	12°28	12°D17	13°37	26°19	n.a.		
T 9	20 30 35	5°53'57	28°18	26°30	22°10	11°27	1°59	26°56	7° 7	0°25	12°28	12°18	13°34	26°25	n.a.		
W10	20 34 32	6°52'33	12Ω44	25°57	23°13	12° 6	2°12	27° 1	7° 9	0°24	12°28	12°20	13°30	26°32	n.a.		
T 11	20 38 28	7°51'11	26°58	25°33	24°15	12°46	2°25	27° 7	7°11	0°23	12°29	12°21	13°27	26°39	n.a.		
F 12	20 42 25	8°49'51	10M57	25°17	25°17	13°25	2°38	27°12	7°14	0°22	12°29	12°R21	13°24	26°45	n.a.		
S 13	20 46 22	9°48'32	24°40	25°D10	26°19	14° 4	2°51	27°17	7°16	0°20	12°29	12°20	13°21	26°52	n.a.		
S 14	20 50 18	10°47'16	8A 8	25°13	27°20	14°43	3° 4	27°23	7°19	0°19	12°30	12°18	13°18	26°59	n.a.		
M15	20 54 15	11°46'01	21°21	25°26	28°21	15°23	3°17	27°29	7°21	0°18	12°30	12°14	13°14	27° 5	n.a.		
T 16	20 58 11	12°44'48	4B21	25°48	29°22	16° 2	3°30	27°34	7°24	0°17	12°30	12°10	13°11	27°12	n.a.		
W17	21 2 8	13°43'37	17° 7	26°20	0Ω22	16°41	3°43	27°40	7°26	0°16	12°31	12° 5	13° 8	27°19	n.a.		
T 18	21 6 4	14°42'28	29°40	27° 1	1°22	17°21	3°56	27°46	7°29	0°15	12°31	12° 0	13° 5	27°25	n.a.		
F 19	21 10 1	15°41'21	12Ω 1	27°50	2°22	18° 0	4° 9	27°51	7°31	0°14	12°32	11°57	13° 2	27°32	n.a.		
S 20	21 13 57	16°40'16	24°11	28°47	3°21	18°39	4°22	27°57	7°34	0°13	12°32	11°54	12°59	27°38	n.a.		
S 21	21 17 54	17°39'14	6K11	29°51	4°20	19°19	4°35	28° 3	7°37	0°12	12°33	11°D53	12°55	27°45	n.a.		
M22	21 21 51	18°38'13	18° 5	1Ω 2	5°19	19°58	4°48	28° 9	7°39	0°11	12°33	11°53	12°52	27°52	n.a.		
T 23	21 25 47	19°37'15	29°53	2°19	6°17	20°38	5° 1	28°15	7°42	0°10	12°34	11°54	12°49	27°58	n.a.		
W24	21 29 44	20°36'19	11Y40	3°42	7°14	21°17	5°14	28°21	7°45	0° 9	12°35	11°56	12°46	28° 5	n.a.		
T 25	21 33 40	21°35'26	23°30	5° 8	8°12	21°57	5°26	28°27	7°48	0° 8	12°35	11°57	12°43	28°12	n.a.		
F 26	21 37 37	22°34'35	5B26	6°39	9° 8	22°37	5°39	28°33	7°51	0° 7	12°36	11°59	12°39	28°18	n.a.		
S 27	21 41 33	23°33'46	17°33	8°14	10° 5	23°16	5°52	28°40	7°54	0° 7	12°37	11°59	12°36	28°25	n.a.		
S 28	21 45 30	24°33'00	29°57	9°51	11° 1	23°56	6° 5	28°46	7°57	0° 6	12°37	11°R59	12°33	28°32	n.a.		
M29	21 49 26	25°32'16	12II41	11°30	11°56	24°36	6°17	28°52	8° 0	0° 5	12°38	11°59	12°30	28°38	n.a.		
T 30	21 53 23	26°31'35	25°49	13°12	12°51	25°16	6°30	28°58	8° 3	0° 4	12°39	11°57	12°27	28°45	n.a.		
W31	21 57 20	27Ω30'56	9Ω24	14Ω54	13Ω45	25Ω55	6Ω43	29M 5	8Ω 6	0B 4	12M40	11M55	12M24	28K52	n.a.		

Delta T = 07h00m23s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 963 BCE

SEPTEMBER 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	22 1 16	28 ^h 30'20	23 ^h 25'	16 ^h 38'	14 ^h 39'	26 ^h 35'	6 ^h 55'	29 ^h 11'	8 ^h 9'	0 ^h R 3'	12 ^h 41'	11 ^h R54'	12 ^h 20'	28 ^h 58'	n.a.
F 2	22 5 13	29 ^h 29'46	7 ^h 52'	18 ^h 23'	15 ^h 32'	27 ^h 15'	7 ^h 8'	29 ^h 18'	8 ^h 12'	0 ^h 3 2'	12 ^h 42'	11 ^h 52'	12 ^h 17'	29 ^h 5'	n.a.
S 3	22 9 9	0 ^h 29'14	22 ^h 38'	20 ^h 8'	16 ^h 24'	27 ^h 55'	7 ^h 20'	29 ^h 24'	8 ^h 15'	0 ^h 2'	12 ^h 43'	11 ^h 51'	12 ^h 14'	29 ^h 12'	n.a.
S 4	22 13 6	1 ^h 28'45	7 ^h 38'	21 ^h 54'	17 ^h 16'	28 ^h 35'	7 ^h 33'	29 ^h 31'	8 ^h 18'	0 ^h 1'	12 ^h 44'	11 ^h D51'	12 ^h 11'	29 ^h 18'	n.a.
M 5	22 17 2	2 ^h 28'18	22 ^h 42'	23 ^h 39'	18 ^h 8'	29 ^h 15'	7 ^h 45'	29 ^h 37'	8 ^h 21'	0 ^h 1'	12 ^h 45'	11 ^h 51'	12 ^h 8'	29 ^h 25'	n.a.
T 6	22 20 59	3 ^h 27'52	7 ^h 42'	25 ^h 25'	18 ^h 58'	29 ^h 55'	7 ^h 58'	29 ^h 44'	8 ^h 25'	0 ^h 0'	12 ^h 46'	11 ^h 51'	12 ^h 5'	29 ^h 32'	n.a.
W 7	22 24 55	4 ^h 27'29	22 ^h 30'	27 ^h 11'	19 ^h 48'	0 ^h 35'	8 ^h 10'	29 ^h 50'	8 ^h 28'	0 ^h 0'	12 ^h 47'	11 ^h 52'	12 ^h 1'	29 ^h 38'	n.a.
T 8	22 28 52	5 ^h 27'07	7 ^h 30'	28 ^h 56'	20 ^h 37'	1 ^h 15'	8 ^h 22'	29 ^h 57'	8 ^h 31'	29 ^h 57'	12 ^h 48'	11 ^h 52'	11 ^h 58'	29 ^h 45'	n.a.
F 9	22 32 49	6 ^h 26'48	21 ^h 9'	0 ^h 41'	21 ^h 26'	1 ^h 55'	8 ^h 35'	0 ^h 4 4'	8 ^h 35'	29 ^h 59'	12 ^h 49'	11 ^h 53'	11 ^h 55'	29 ^h 51'	n.a.
S 10	22 36 45	7 ^h 26'30	4 ^h 55'	2 ^h 25'	22 ^h 13'	2 ^h 36'	8 ^h 47'	0 ^h 10'	8 ^h 38'	29 ^h 58'	12 ^h 50'	11 ^h R53'	11 ^h 52'	29 ^h 58'	n.a.
S 11	22 40 42	8 ^h 26'14	18 ^h 19'	4 ^h 9'	23 ^h 0'	3 ^h 16'	8 ^h 59'	0 ^h 17'	8 ^h 41'	29 ^h 58'	12 ^h 51'	11 ^h 53'	11 ^h 49'	0 ^h 5 5'	n.a.
M12	22 44 38	9 ^h 26'00	1 ^h 32'	5 ^h 53'	23 ^h 46'	3 ^h 56'	9 ^h 11'	0 ^h 24'	8 ^h 45'	29 ^h 58'	12 ^h 53'	11 ^h 53'	11 ^h 45'	0 ^h 11'	n.a.
T 13	22 48 35	10 ^h 25'48	14 ^h 7'	7 ^h 35'	24 ^h 31'	4 ^h 36'	9 ^h 23'	0 ^h 31'	8 ^h 48'	29 ^h 57'	12 ^h 54'	11 ^h 53'	11 ^h 42'	0 ^h 18'	n.a.
W14	22 52 31	11 ^h 25'37	26 ^h 36'	9 ^h 18'	25 ^h 15'	5 ^h 17'	9 ^h 35'	0 ^h 37'	8 ^h 51'	29 ^h 57'	12 ^h 55'	11 ^h D53'	11 ^h 39'	0 ^h 25'	n.a.
T 15	22 56 28	12 ^h 25'29	8 ^h 53'	11 ^h 0'	25 ^h 58'	5 ^h 57'	9 ^h 47'	0 ^h 44'	8 ^h 55'	29 ^h 57'	12 ^h 56'	11 ^h 53'	11 ^h 36'	0 ^h 31'	n.a.
F 16	23 0 24	13 ^h 25'22	21 ^h 0'	12 ^h 41'	26 ^h 39'	6 ^h 37'	9 ^h 59'	0 ^h 51'	8 ^h 58'	29 ^h 57'	12 ^h 58'	11 ^h 53'	11 ^h 33'	0 ^h 38'	n.a.
S 17	23 4 21	14 ^h 25'18	2 ^h 58'	14 ^h 21'	27 ^h 20'	7 ^h 18'	10 ^h 11'	0 ^h 58'	9 ^h 2'	29 ^h 56'	12 ^h 59'	11 ^h 53'	11 ^h 30'	0 ^h 45'	n.a.
S 18	23 8 18	15 ^h 25'15	14 ^h 51'	16 ^h 1'	28 ^h 0'	7 ^h 58'	10 ^h 23'	1 ^h 5'	9 ^h 5'	29 ^h 56'	13 ^h 1'	11 ^h R53'	11 ^h 26'	0 ^h 51'	n.a.
M19	23 12 14	16 ^h 25'14	26 ^h 41'	17 ^h 41'	28 ^h 39'	8 ^h 39'	10 ^h 35'	1 ^h 12'	9 ^h 9'	29 ^h 56'	13 ^h 2'	11 ^h 53'	11 ^h 23'	0 ^h 58'	n.a.
T 20	23 16 11	17 ^h 25'16	8 ^h 59'	19 ^h 20'	29 ^h 16'	9 ^h 19'	10 ^h 46'	1 ^h 19'	9 ^h 12'	29 ^h 56'	13 ^h 3'	11 ^h 52'	11 ^h 20'	1 ^h 5'	n.a.
W21	23 20 7	18 ^h 25'19	20 ^h 17'	20 ^h 58'	29 ^h 52'	10 ^h 0'	10 ^h 58'	1 ^h 26'	9 ^h 16'	29 ^h D56'	13 ^h 5'	11 ^h 51'	11 ^h 17'	1 ^h 11'	n.a.
T 22	23 24 4	19 ^h 25'25	2 ^h 10'	22 ^h 36'	0 ^h 27'	10 ^h 41'	11 ^h 10'	1 ^h 33'	9 ^h 19'	29 ^h 56'	13 ^h 6'	11 ^h 50'	11 ^h 14'	1 ^h 18'	n.a.
F 23	23 28 0	20 ^h 25'33	14 ^h 8'	24 ^h 13'	1 ^h 1'	11 ^h 21'	11 ^h 21'	1 ^h 40'	9 ^h 23'	29 ^h 56'	13 ^h 8'	11 ^h 49'	11 ^h 11'	1 ^h 25'	n.a.
S 24	23 31 57	21 ^h 25'43	26 ^h 17'	25 ^h 50'	1 ^h 33'	12 ^h 2'	11 ^h 33'	1 ^h 47'	9 ^h 27'	29 ^h 56'	13 ^h 9'	11 ^h 48'	11 ^h 7'	1 ^h 31'	n.a.
S 25	23 35 53	22 ^h 25'55	8 ^h 39'	27 ^h 26'	2 ^h 3'	12 ^h 43'	11 ^h 44'	1 ^h 54'	9 ^h 30'	29 ^h 56'	13 ^h 11'	11 ^h 47'	11 ^h 4'	1 ^h 38'	n.a.
M26	23 39 50	23 ^h 26'10	21 ^h 19'	29 ^h 2'	2 ^h 32'	13 ^h 23'	11 ^h 55'	2 ^h 1'	9 ^h 34'	29 ^h 56'	13 ^h 13'	11 ^h D47'	11 ^h 1'	1 ^h 45'	n.a.
T 27	23 43 46	24 ^h 26'26	4 ^h 59'	0 ^h 37'	3 ^h 0'	14 ^h 4'	12 ^h 6'	2 ^h 8'	9 ^h 38'	29 ^h 57'	13 ^h 14'	11 ^h 47'	10 ^h 58'	1 ^h 51'	n.a.
W28	23 47 43	25 ^h 26'45	17 ^h 44'	2 ^h 12'	3 ^h 26'	14 ^h 45'	12 ^h 18'	2 ^h 15'	9 ^h 41'	29 ^h 57'	13 ^h 16'	11 ^h 48'	10 ^h 55'	1 ^h 58'	n.a.
T 29	23 51 40	26 ^h 27'06	1 ^h 36'	3 ^h 47'	3 ^h 50'	15 ^h 26'	12 ^h 29'	2 ^h 22'	9 ^h 45'	29 ^h 57'	13 ^h 17'	11 ^h 49'	10 ^h 51'	2 ^h 5'	n.a.
F 30	23 55 36	27 ^h 27'30	15 ^h 54'	5 ^h 21'	4 ^h 12'	16 ^h 7'	12 ^h 40'	2 ^h 29'	9 ^h 49'	29 ^h 57'	13 ^h 19'	11 ^h 50'	10 ^h 48'	2 ^h 5 11'	n.a.

Delta T = 07h00m22s Julian Calendar 1 Sept. 963 BCE == Greg. Calendar 23 Aug. 963 BCE

The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

OCTOBER 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	23 59 33	28 ^h 27'55	0 ^h 36'	6 ^h 54'	4 ^h 33'	16 ^h 48'	12 ^h 51'	2 ^h 36'	9 ^h 52'	29 ^h 58'	13 ^h 21'	11 ^h 51'	10 ^h 45'	2 ^h 5 18'	n.a.
S 2	0 3 29	29 ^h 28'22	15 ^h 38'	8 ^h 28'	4 ^h 52'	17 ^h 29'	13 ^h 1'	2 ^h 43'	9 ^h 56'	29 ^h 58'	13 ^h 23'	11 ^h R51'	10 ^h 42'	2 ^h 25'	n.a.
M 3	0 7 26	0 ^h 28'51	0 ^h 50'	10 ^h 1'	5 ^h 8'	18 ^h 10'	13 ^h 12'	2 ^h 50'	10 ^h 0'	29 ^h 58'	13 ^h 24'	11 ^h 51'	10 ^h 39'	2 ^h 31'	n.a.
T 4	0 11 22	1 ^h 29'22	16 ^h 5'	11 ^h 33'	5 ^h 23'	18 ^h 51'	13 ^h 23'	2 ^h 57'	10 ^h 3'	29 ^h 59'	13 ^h 26'	11 ^h 49'	10 ^h 36'	2 ^h 38'	n.a.
W 5	0 15 19	2 ^h 29'54	1 ^h 10'	13 ^h 6'	5 ^h 36'	19 ^h 32'	13 ^h 33'	3 ^h 4'	10 ^h 7'	29 ^h 59'	13 ^h 28'	11 ^h 46'	10 ^h 32'	2 ^h 44'	n.a.
T 6	0 19 15	3 ^h 30'28	15 ^h 59'	14 ^h 37'	5 ^h 46'	20 ^h 13'	13 ^h 44'	3 ^h 11'	10 ^h 11'	0 ^h 3 0'	13 ^h 30'	11 ^h 43'	10 ^h 29'	2 ^h 51'	n.a.
F 7	0 23 12	4 ^h 31'03	0 ^h 23'	16 ^h 9'	5 ^h 55'	20 ^h 54'	13 ^h 54'	3 ^h 18'	10 ^h 15'	0 ^h 0'	13 ^h 32'	11 ^h 40'	10 ^h 26'	2 ^h 58'	n.a.
S 8	0 27 9	5 ^h 31'40	14 ^h 21'	17 ^h 40'	6 ^h 1'	21 ^h 36'	14 ^h 5'	3 ^h 25'	10 ^h 18'	0 ^h 1'	13 ^h 33'	11 ^h 38'	10 ^h 23'	3 ^h 4'	n.a.
S 9	0 31 5	6 ^h 32'19	27 ^h 50'	19 ^h 11'	6 ^h 4'	22 ^h 17'	14 ^h 15'	3 ^h 32'	10 ^h 22'	0 ^h 1'	13 ^h 35'	11 ^h 37'	10 ^h 20'	3 ^h 11'	n.a.
M10	0 35 2	7 ^h 32'58	10 ^h 53'	20 ^h 42'	6 ^h R 6'	22 ^h 58'	14 ^h 25'	3 ^h 40'	10 ^h 26'	0 ^h 2'	13 ^h 37'	11 ^h D36'	10 ^h 16'	3 ^h 18'	n.a.
T 11	0 38 58	8 ^h 33'39	23 ^h 33'	22 ^h 12'	6 ^h 5'	23 ^h 40'	14 ^h 35'	3 ^h 47'	10 ^h 30'	0 ^h 3'	13 ^h 39'	11 ^h 37'	10 ^h 13'	3 ^h 24'	n.a.
W12	0 42 55	9 ^h 34'22	5 ^h 55'	23 ^h 42'	6 ^h 1'	24 ^h 21'	14 ^h 45'	3 ^h 54'	10 ^h 33'	0 ^h 3'	13 ^h 41'	11 ^h 39'	10 ^h 10'	3 ^h 31'	n.a.
T 13	0 46 51	10 ^h 35'05	18 ^h 2'	25 ^h 11'	5 ^h 55'	25 ^h 2'	14 ^h 55'	4 ^h 1'	10 ^h 37'	0 ^h 4'	13 ^h 43'	11 ^h 41'	10 ^h 7'	3 ^h 38'	n.a.
F 14	0 50 48	11 ^h 35'50	29 ^h 59'	26 ^h 40'	5 ^h 47'	25 ^h 44'	15 ^h 5'	4 ^h 8'	10 ^h 41'	0 ^h 5'	13 ^h 45'	11 ^h 42'	10 ^h 4'	3 ^h 44'	n.a.
S 15	0 54 44	12 ^h 36'36	11 ^h 50'	28 ^h 9'	5 ^h 36'	26 ^h 25'	15 ^h 14'	4 ^h 15'	10 ^h 45'	0 ^h 6'	13 ^h 47'	11 ^h R43'	10 ^h 1'	3 ^h 51'	n.a.
S 16	0 58 41	13 ^h 37'23	23 ^h 38'	29 ^h 37'	5 ^h 23'	27 ^h 7'	15 ^h 24'	4 ^h 22'	10 ^h 48'	0 ^h 6'	13 ^h 49'	11 ^h 42'	9 ^h 57'	3 ^h 58'	n.a.
M17	1 2 38	14 ^h 38'12	5 ^h 56'	1 ^h 5'	5 ^h 7'	27 ^h 48'	15 ^h 33'	4 ^h 29'	10 ^h 52'	0 ^h 7'	13 ^h 51'	11 ^h 39'	9 ^h 54'	4 ^h 4'	n.a.
T 18	1 6 34	15 ^h 39'02	17 ^h 16'	2 ^h 32'	4 ^h 49'	28 ^h 30'	15 ^h 42'	4 ^h 36'	10 ^h 56'	0 ^h 8'	13 ^h 53'	11 ^h 35'	9 ^h 51'	4 ^h 11'	n.a.
W19	1 10 31	16 ^h 39'53	29 ^h 11'	3 ^h 59'	4 ^h 28'	29 ^h 12'	15 ^h 52'	4 ^h 43'	11 ^h 0'	0 ^h 9'	13 ^h 55'	11 ^h 30'	9 ^h 48'	4 ^h 18'	n.a.
T 20	1 14 27	17 ^h 40'46	11												

SWISS EPHEMERIS for the year 963 BCE

NOVEMBER 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	2 1 46	29 ^Ω 53'07	24 [♁] 0	20 [♁] 48	27 [°] R35	8 [♁] 17	17 [♁] 40	6 [♁] 12	11 [♁] 48	0 [♁] 24	14 [♁] 22	10 [°] R51	9 [♁] 7	5 [♁] 44	n.a.
W 2	2 5 42	0 [♁] 54'17	9 [♁] 8	21 [°] 48	26 [♁] 59	8 [°] 59	17 [°] 48	6 [°] 19	11 [°] 51	0 [°] 25	14 [°] 25	10 [♁] 44	9 [°] 3	5 [°] 51	n.a.
T 3	2 9 39	1 [°] 55'27	24 [°] 4	22 [°] 43	26 [°] 24	9 [°] 41	17 [°] 55	6 [°] 25	11 [°] 55	0 [°] 27	14 [°] 27	10 [°] 35	9 [°] 0	5 [°] 58	n.a.
F 4	2 13 35	2 [°] 56'39	8 [♁] 39	23 [°] 33	25 [°] 50	10 [°] 24	18 [°] 2	6 [°] 32	11 [°] 58	0 [°] 28	14 [°] 29	10 [°] 27	8 [°] 57	6 [°] 4	n.a.
S 5	2 17 32	3 [°] 57'50	22 [°] 47	24 [°] 17	25 [°] 16	11 [°] 6	18 [°] 10	6 [°] 38	12 [°] 2	0 [°] 29	14 [°] 31	10 [°] 19	8 [°] 54	6 [°] 11	n.a.
S 6	2 21 29	4 [°] 59'03	6 [♁] 26	24 [°] 54	24 [°] 44	11 [°] 48	18 [°] 16	6 [°] 45	12 [°] 5	0 [°] 31	14 [°] 33	10 [°] 13	8 [°] 51	6 [°] 18	n.a.
M 7	2 25 25	6 [°] 0'15	19 [°] 35	25 [°] 23	24 [°] 14	12 [°] 31	18 [°] 23	6 [°] 51	12 [°] 9	0 [°] 32	14 [°] 36	10 [°] 9	8 [°] 47	6 [°] 24	n.a.
T 8	2 29 22	7 [°] 1'28	2 [♁] 19	25 [°] 44	23 [°] 45	13 [°] 13	18 [°] 30	6 [°] 58	12 [°] 12	0 [°] 34	14 [°] 38	10 [°] D 8	8 [°] 44	6 [°] 31	n.a.
W 9	2 33 18	8 [°] 2'42	14 [°] 40	25 [°] 55	23 [°] 18	13 [°] 56	18 [°] 36	7 [°] 4	12 [°] 16	0 [°] 35	14 [°] 40	10 [°] 8	8 [°] 41	6 [°] 38	n.a.
T 10	2 37 15	9 [°] 3'55	26 [°] 46	25 [°] R56	22 [°] 52	14 [°] 38	18 [°] 43	7 [°] 11	12 [°] 19	0 [°] 37	14 [°] 42	10 [°] 9	8 [°] 38	6 [°] 44	n.a.
F 11	2 41 11	10 [°] 5'09	8 [♁] 40	25 [°] 46	22 [°] 29	15 [°] 21	18 [°] 49	7 [°] 17	12 [°] 23	0 [°] 38	14 [°] 45	10 [°] R 9	8 [°] 35	6 [°] 51	n.a.
S 12	2 45 8	11 [°] 6'23	20 [°] 28	25 [°] 25	22 [°] 9	16 [°] 3	18 [°] 55	7 [°] 23	12 [°] 26	0 [°] 40	14 [°] 47	10 [°] 9	8 [°] 32	6 [°] 58	n.a.
S 13	2 49 4	12 [°] 7'38	2 [♁] 15	24 [°] 51	21 [°] 50	16 [°] 46	19 [°] 1	7 [°] 30	12 [°] 30	0 [°] 42	14 [°] 49	10 [°] 6	8 [°] 28	7 [°] 4	n.a.
M 14	2 53 1	13 [°] 8'52	14 [°] 4	24 [°] 7	21 [°] 34	17 [°] 29	19 [°] 6	7 [°] 36	12 [°] 33	0 [°] 43	14 [°] 51	10 [°] 1	8 [°] 25	7 [°] 11	n.a.
T 15	2 56 58	14 [°] 10'07	25 [°] 58	23 [°] 11	21 [°] 21	18 [°] 11	19 [°] 12	7 [°] 42	12 [°] 36	0 [°] 45	14 [°] 54	9 [°] 53	8 [°] 22	7 [°] 18	n.a.
W 16	3 0 54	15 [°] 11'22	8 [♁] 0	22 [°] 6	21 [°] 10	18 [°] 54	19 [°] 17	7 [°] 48	12 [°] 40	0 [°] 47	14 [°] 56	9 [°] 42	8 [°] 19	7 [°] 24	n.a.
T 17	3 4 51	16 [°] 12'37	20 [°] 12	20 [°] 53	21 [°] 1	19 [°] 37	19 [°] 22	7 [°] 54	12 [°] 43	0 [°] 48	14 [°] 58	9 [°] 30	8 [°] 16	7 [°] 31	n.a.
F 18	3 8 47	17 [°] 13'53	2 [♁] 33	19 [°] 34	20 [°] 55	20 [°] 20	19 [°] 28	8 [°] 0	12 [°] 46	0 [°] 50	15 [°] 0	9 [°] 17	8 [°] 13	7 [°] 38	n.a.
S 19	3 12 44	18 [°] 15'09	15 [°] 4	18 [°] 12	20 [°] 51	21 [°] 3	19 [°] 32	8 [°] 6	12 [°] 50	0 [°] 52	15 [°] 3	9 [°] 4	8 [°] 9	7 [°] 44	n.a.
S 20	3 16 40	19 [°] 16'25	27 [°] 46	16 [°] 50	20 [°] D50	21 [°] 46	19 [°] 37	8 [°] 12	12 [°] 53	0 [°] 54	15 [°] 5	8 [°] 53	8 [°] 6	7 [°] 51	n.a.
M 21	3 20 37	20 [°] 17'42	10 [♁] 39	15 [°] 31	20 [°] 52	22 [°] 28	19 [°] 42	8 [°] 18	12 [°] 56	0 [°] 56	15 [°] 7	8 [°] 44	8 [°] 3	7 [°] 58	n.a.
T 22	3 24 33	21 [°] 18'59	23 [°] 44	14 [°] 16	20 [°] 55	23 [°] 11	19 [°] 46	8 [°] 24	12 [°] 59	0 [°] 57	15 [°] 9	8 [°] 38	8 [°] 0	8 [°] 4	n.a.
W 23	3 28 30	22 [°] 20'16	7 [♁] 2	13 [°] 8	21 [°] 2	23 [°] 54	19 [°] 50	8 [°] 30	13 [°] 2	0 [°] 59	15 [°] 11	8 [°] 35	7 [°] 57	8 [°] 11	n.a.
T 24	3 32 27	23 [°] 21'34	20 [°] 36	12 [°] 9	21 [°] 10	24 [°] 38	19 [°] 54	8 [°] 35	13 [°] 5	1 [°] 1	15 [°] 14	8 [°] D34	7 [°] 53	8 [°] 18	n.a.
F 25	3 36 23	24 [°] 22'51	4 [♁] 26	11 [°] 19	21 [°] 21	25 [°] 21	19 [°] 58	8 [°] 41	13 [°] 8	1 [°] 3	15 [°] 16	8 [°] R34	7 [°] 50	8 [°] 24	n.a.
S 26	3 40 20	25 [°] 24'09	18 [°] 34	10 [°] 40	21 [°] 34	26 [°] 4	20 [°] 2	8 [°] 47	13 [°] 11	1 [°] 5	15 [°] 18	8 [°] 34	7 [°] 47	8 [°] 31	n.a.
S 27	3 44 16	26 [°] 25'27	2 [♁] 58	10 [°] 11	21 [°] 49	26 [°] 47	20 [°] 5	8 [°] 52	13 [°] 14	1 [°] 7	15 [°] 20	8 [°] 32	7 [°] 44	8 [°] 38	n.a.
M 28	3 48 13	27 [°] 26'45	17 [°] 38	9 [°] 52	22 [°] 6	27 [°] 30	20 [°] 9	8 [°] 58	13 [°] 17	1 [°] 9	15 [°] 23	8 [°] 28	7 [°] 41	8 [°] 44	n.a.
T 29	3 52 9	28 [°] 28'04	2 [♁] 26	9 [°] D43	22 [°] 26	28 [°] 13	20 [°] 12	9 [°] 3	13 [°] 20	1 [°] 11	15 [°] 25	8 [°] 20	7 [°] 38	8 [°] 51	n.a.
W 30	3 56 6	29 [♁] 29'22	17 [♁] 17	9 [♁] 44	22 [°] 47	28 [°] 57	20 [°] 15	9 [°] 8	13 [°] 23	1 [°] 13	15 [°] 27	8 [°] 10	7 [°] 34	8 [°] 58	n.a.

Delta T = 07h00m18s Julian Calendar 1 Nov. 963 BCE == Greg. Calendar 23 Oct. 963 BCE

The year -962 astronomical counting style corresponds to year 963 B.C.E historical counting style.

DECEMBER 963 BCE (-962) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	4 0 2	0 [♁] 30'40	2 [♁] 1	9 [♁] 53	23 [♁] 10	29 [♁] 40	20 [♁] 18	9 [♁] 14	13 [♁] 26	1 [♁] 15	15 [♁] 29	7 [°] R58	7 [♁] 31	9 [♁] 4	n.a.
F 2	4 3 59	1 [°] 31'58	16 [°] 31	10 [°] 10	23 [°] 35	0 [♁] 23	20 [°] 20	9 [°] 19	13 [°] 29	1 [°] 17	15 [°] 31	7 [♁] 46	7 [°] 28	9 [°] 11	n.a.
S 3	4 7 56	2 [°] 33'15	0 [♁] 38	10 [°] 34	24 [°] 2	1 [°] 7	20 [°] 23	9 [°] 24	13 [°] 32	1 [°] 19	15 [°] 34	7 [°] 34	7 [°] 25	9 [°] 18	n.a.
S 4	4 11 52	3 [°] 34'32	14 [°] 20	11 [°] 5	24 [°] 30	1 [°] 50	20 [°] 25	9 [°] 29	13 [°] 35	1 [°] 21	15 [°] 36	7 [°] 24	7 [°] 22	9 [°] 24	n.a.
M 5	4 15 49	4 [°] 35'48	27 [°] 34	11 [°] 42	25 [°] 0	2 [°] 34	20 [°] 27	9 [°] 34	13 [°] 37	1 [°] 23	15 [°] 38	7 [°] 18	7 [°] 19	9 [°] 31	n.a.
T 6	4 19 45	5 [°] 37'03	10 [♁] 22	12 [°] 23	25 [°] 32	3 [°] 17	20 [°] 29	9 [°] 39	13 [°] 40	1 [°] 25	15 [°] 40	7 [°] 13	7 [°] 15	9 [°] 38	n.a.
W 7	4 23 42	6 [°] 38'18	22 [°] 48	13 [°] 10	26 [°] 5	4 [°] 1	20 [°] 31	9 [°] 44	13 [°] 43	1 [°] 27	15 [°] 42	7 [°] 12	7 [°] 12	9 [°] 44	n.a.
T 8	4 27 38	7 [°] 39'31	4 [♁] 55	14 [°] 1	26 [°] 39	4 [°] 44	20 [°] 32	9 [°] 49	13 [°] 45	1 [°] 29	15 [°] 44	7 [°] 11	7 [°] 9	9 [°] 51	n.a.
F 9	4 31 35	8 [°] 40'44	16 [°] 51	14 [°] 56	27 [°] 15	5 [°] 28	20 [°] 33	9 [°] 54	13 [°] 48	1 [°] 32	15 [°] 46	7 [°] 11	7 [°] 6	9 [°] 58	n.a.
S 10	4 35 31	9 [°] 41'56	28 [°] 40	15 [°] 54	27 [°] 52	6 [°] 11	20 [°] 34	9 [°] 58	13 [°] 50	1 [°] 34	15 [°] 48	7 [°] 10	7 [°] 3	10 [°] 4	n.a.
S 11	4 39 28	10 [°] 43'07	10 [♁] 29	16 [°] 56	28 [°] 31	6 [°] 55	20 [°] 35	10 [°] 3	13 [°] 53	1 [°] 36	15 [°] 51	7 [°] 7	6 [°] 59	10 [°] 11	n.a.
M 12	4 43 25	11 [°] 44'17	2 [♁] 18	18 [°] 0	29 [°] 10	7 [°] 39	20 [°] 36	10 [°] 7	13 [°] 55	1 [°] 38	15 [°] 53	7 [°] 2	6 [°] 56	10 [°] 18	n.a.
T 13	4 47 21	12 [°] 45'26	4 [♁] 18	19 [°] 7	29 [°] 51	8 [°] 23	20 [°] 37	10 [°] 12	13 [°] 58	1 [°] 40	15 [°] 55	6 [°] 53	6 [°] 53	10 [°] 24	n.a.
W 14	4 51 18	13 [°] 46'34	16 [°] 28	20 [°] 15	0 [♁] 33	9 [°] 6	20 [°] 37	10 [°] 16	14 [°] 0	1 [°] 42	15 [°] 57	6 [°] 42	6 [°] 50	10 [°] 31	n.a.
T 15	4 55 14	14 [°] 47'41	28 [°] 50	21 [°] 26	1 [°] 16	9 [°] 50	20 [°] R37	10 [°] 20	14 [°] 2	1 [°] 45	15 [°] 59	6 [°] 29	6 [°] 47	10 [°] 38	n.a.
F 16	4 59 11	15 [°] 48'47	11 [♁] 27	22 [°] 39	2 [°] 1	10 [°] 34	20 [°] 37	10 [°] 25	14 [°] 4	1 [°] 47	16 [°] 1	6 [°] 15	6 [°] 44	10 [°] 44	n.a.
S 17	5 3 7	16 [°] 49'53	24 [°] 17	23 [°] 54	2 [°] 46	11 [°] 18	20 [°] 37	10 [°] 29	14 [°] 7	1 [°] 49	16 [°] 3	6 [°] 1	6 [°] 40	10 [°] 51	n.a.
S 18	5 7 4	17 [°] 50'57	7 [♁] 20	25 [°] 10	3 [°] 32	12 [°] 2	20 [°] 36	10 [°] 33	14 [°] 9	1 [°] 51	16 [°] 5	5 [°] 49	6 [°] 37	10 [°] 58	n.a.
M 19	5 11 0	18 [°] 52'01	20 [°] 34	26 [°] 27	4 [°] 19	12 [°] 46	20 [°] 36	10 [°] 37	14 [°] 11	1 [°] 53	16 [°] 7	5 [°] 39	6 [°] 34	11 [°] 4	n.a.
T 20	5 14 57	19 [°] 53'04	3 [♁]												