

SWISS EPHEMERIS for the year 79 BCE

JANUARY 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	6 29 46	8°33'49	19°12'24	12°26'26	28°16'16	8°54'54	24°46'46	16°04'16	15°18'18	24°11'11	19°33'33	25°52'52	26°35'35	6°30'30	n.a.		
S 2	6 33 42	9°34'44	48°24'48	14°11'11	29°31'31	9°26'26	25°00'00	16°06'06	15°18'18	24°10'10	19°32'32	25°40'40	26°31'31	6°36'36	n.a.		
S 3	6 37 39	10°35'39	19°35'35	15°57'57	0°46'46	9°58'58	25°15'15	16°09'09	15°19'19	24°08'08	19°31'31	25°29'29	26°28'28	6°43'43	n.a.		
M 4	6 41 35	11°36'32	4°47'47	17°44'44	2°02'02	10°29'29	25°29'29	16°11'11	15°19'19	24°07'07	19°31'31	25°20'20	26°25'25	6°50'50	n.a.		
T 5	6 45 32	12°37'23	19°50'50	19°31'31	3°17'17	11°01'01	25°43'43	16°14'14	15°20'20	24°06'06	19°30'30	25°13'13	26°22'22	6°56'56	n.a.		
W 6	6 49 29	13°38'14	4°35'35	21°18'18	4°32'32	11°33'33	25°57'57	16°16'16	15°20'20	24°05'05	19°29'29	25°09'09	26°19'19	7°03'03	n.a.		
T 7	6 53 25	14°39'04	18°57'57	23°05'05	5°47'47	12°05'05	26°11'11	16°18'18	15°21'21	24°04'04	19°29'29	25°07'07	26°15'15	7°10'10	n.a.		
F 8	6 57 22	15°39'52	2°55'55	24°53'53	7°02'02	12°37'37	26°26'26	16°20'20	15°21'21	24°03'03	19°28'28	25°07'07	26°12'12	7°16'16	n.a.		
S 9	7 1 18	16°40'40	16°29'29	26°40'40	8°17'17	13°10'10	26°40'40	16°22'22	15°22'22	24°03'03	19°28'28	25°08'08	26°09'09	7°23'23	n.a.		
S 10	7 5 15	17°41'26	29°41'41	28°27'27	9°32'32	13°42'42	26°54'54	16°24'24	15°23'23	24°02'02	19°27'27	25°07'07	26°06'06	7°30'30	n.a.		
M11	7 9 11	18°42'11	12°13'34	0°14'14	10°48'48	14°15'15	27°09'09	16°25'25	15°24'24	24°01'01	19°26'26	25°04'04	26°03'03	7°36'36	n.a.		
T12	7 13 8	19°42'55	25°12'12	2°01'01	12°03'03	14°47'47	27°23'23	16°27'27	15°24'24	24°00'00	19°26'26	24°59'59	26°00'00	7°43'43	n.a.		
W13	7 17 4	20°43'38	7°38'38	3°46'46	13°18'18	15°20'20	27°37'37	16°29'29	15°25'25	23°59'59	19°25'25	24°51'51	25°56'56	7°50'50	n.a.		
T14	7 21 1	21°44'20	19°53'53	5°30'30	14°33'33	15°53'53	27°52'52	16°30'30	15°26'26	23°58'58	19°25'25	24°41'41	25°53'53	7°57'57	n.a.		
F15	7 24 58	22°45'00	2°31'31	7°12'12	15°48'48	16°26'26	28°06'06	16°31'31	15°27'27	23°58'58	19°25'25	24°29'29	25°50'50	8°03'03	n.a.		
S16	7 28 54	23°45'38	14°01'01	8°53'53	17°03'03	16°59'59	28°20'20	16°33'33	15°28'28	23°57'57	19°24'24	24°17'17	25°47'47	8°10'10	n.a.		
S17	7 32 51	24°46'15	25°57'57	10°31'31	18°18'18	17°32'32	28°35'35	16°34'34	15°29'29	23°56'56	19°24'24	24°05'05	25°44'44	8°17'17	n.a.		
M18	7 36 47	25°46'51	7°48'48	12°05'05	19°33'33	18°06'06	28°49'49	16°35'35	15°30'30	23°56'56	19°23'23	23°54'54	25°41'41	8°23'23	n.a.		
T19	7 40 44	26°47'24	19°37'37	13°36'36	20°48'48	18°39'39	29°04'04	16°36'36	15°32'32	23°55'55	19°23'23	23°46'46	25°37'37	8°30'30	n.a.		
W20	7 44 40	27°47'56	1°26'26	15°03'03	22°03'03	19°12'12	29°18'18	16°36'36	15°33'33	23°55'55	19°23'23	23°41'41	25°34'34	8°37'37	n.a.		
T21	7 48 37	28°48'26	13°17'17	16°25'25	23°18'18	19°46'46	29°32'32	16°37'37	15°34'34	23°54'54	19°22'22	23°38'38	25°31'31	8°43'43	n.a.		
F22	7 52 33	29°48'54	25°13'13	17°42'42	24°33'33	20°20'20	29°47'47	16°38'38	15°35'35	23°54'54	19°22'22	23°38'38	25°28'28	8°50'50	n.a.		
S23	7 56 30	0°49'20	7°20'20	18°52'52	25°48'48	20°53'53	0°01'01	16°38'38	15°37'37	23°53'53	19°22'22	23°38'38	25°25'25	8°57'57	n.a.		
S24	8 0 27	1°49'44	19°41'41	19°56'56	27°03'03	21°27'27	0°16'16	16°39'39	15°38'38	23°53'53	19°21'21	23°40'40	25°21'21	9°03'03	n.a.		
M25	8 4 23	2°50'06	2°21'21	20°52'52	28°18'18	22°01'01	0°30'30	16°39'39	15°40'40	23°52'52	19°21'21	23°40'40	25°18'18	9°10'10	n.a.		
T26	8 8 20	3°50'26	15°25'25	21°39'39	29°33'33	22°35'35	0°45'45	16°39'39	15°41'41	23°52'52	19°21'21	23°39'39	25°15'15	9°17'17	n.a.		
W27	8 12 16	4°50'43	28°57'57	22°19'19	0°48'48	23°09'09	0°59'59	16°39'39	15°43'43	23°51'51	19°21'21	23°37'37	25°12'12	9°23'23	n.a.		
T28	8 16 13	5°50'59	12°11'58	22°49'49	2°03'03	23°43'43	1°13'13	16°39'39	15°44'44	23°51'51	19°21'21	23°32'32	25°09'09	9°30'30	n.a.		
F29	8 20 9	6°51'13	27°28'28	23°10'10	3°18'18	24°17'17	1°28'28	16°39'39	15°46'46	23°51'51	19°20'20	23°26'26	25°06'06	9°37'37	n.a.		
S30	8 24 6	7°51'24	12°23'23	23°21'21	4°33'33	24°51'51	1°42'42	16°39'39	15°48'48	23°51'51	19°20'20	23°19'19	25°02'02	9°44'44	n.a.		
S31	8 28 2	8°51'34	27°35'35	23°22'22	5°47'47	25°26'26	1°56'56	16°39'39	15°50'50	23°50'50	19°20'20	23°12'12	24°59'59	9°50'50	n.a.		

Delta T = 03h08m00s Julian Calendar 1 Jan. 79 BCE == Greg. Calendar 30 Dec. 080 BCE
 The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

FEBRUARY 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	8 31 59	9°51'41	12°53'53	23°14'14	7°02'02	26°00'00	2°11'11	16°38'38	15°51'51	23°50'50	19°20'20	23°06'06	24°56'56	9°57'57	n.a.		
T 2	8 35 56	10°51'46	28°08'08	22°57'57	8°17'17	26°34'34	2°25'25	16°38'38	15°53'53	23°50'50	19°20'20	23°02'02	24°53'53	10°04'04	n.a.		
W 3	8 39 52	11°51'50	13°09'09	22°31'31	9°32'32	27°09'09	2°39'39	16°37'37	15°55'55	23°50'50	19°20'20	23°00'00	24°50'50	10°10'10	n.a.		
T 4	8 43 49	12°51'52	27°48'48	21°57'57	10°47'47	27°43'43	2°54'54	16°36'36	15°57'57	23°50'50	19°20'20	22°59'59	24°47'47	10°17'17	n.a.		
F 5	8 47 45	13°51'51	12°00'00	21°16'16	12°02'02	28°18'18	3°08'08	16°36'36	15°59'59	23°50'50	19°20'20	23°00'00	24°43'43	10°24'24	n.a.		
S 6	8 51 42	14°51'49	25°46'46	20°29'29	13°16'16	28°52'52	3°22'22	16°35'35	16°01'01	23°50'50	19°20'20	23°02'02	24°40'40	10°30'30	n.a.		
S 7	8 55 38	15°51'46	9°11'11	19°36'36	14°31'31	29°27'27	3°37'37	16°34'34	16°03'03	23°50'50	19°20'20	23°03'03	24°37'37	10°37'37	n.a.		
M 8	8 59 35	16°51'41	22°01'01	18°40'40	15°46'46	0°02'02	3°51'51	16°32'32	16°05'05	23°50'50	19°20'20	23°03'03	24°34'34	10°44'44	n.a.		
T 9	9 3 31	17°51'34	4°37'37	17°42'42	17°01'01	0°37'37	4°05'05	16°31'31	16°07'07	23°50'50	19°20'20	23°02'02	24°31'31	10°50'50	n.a.		
W10	9 7 28	18°51'25	16°57'57	16°43'43	18°15'15	1°11'11	4°19'19	16°30'30	16°09'09	23°50'50	19°20'20	22°59'59	24°27'27	10°57'57	n.a.		
T11	9 11 25	19°51'14	29°05'05	15°44'44	19°30'30	1°46'46	4°33'33	16°29'29	16°12'12	23°50'50	19°20'20	22°54'54	24°24'24	11°04'04	n.a.		
F12	9 15 21	20°51'02	11°03'03	14°46'46	20°45'45	2°21'21	4°48'48	16°27'27	16°14'14	23°51'51	19°21'21	22°49'49	24°21'21	11°10'10	n.a.		
S13	9 19 18	21°50'48	22°58'58	13°52'52	21°59'59	2°56'56	5°02'02	16°25'25	16°16'16	23°51'51	19°21'21	22°43'43	24°18'18	11°17'17	n.a.		
S14	9 23 14	22°50'31	4°48'48	13°01'01	23°14'14	3°31'31	5°16'16	16°24'24	16°19'19	23°51'51	19°21'21	22°37'37	24°15'15	11°24'24	n.a.		
M15	9 27 11	23°50'13	16°38'38	12°15'15	24°29'29	4°06'06	5°30'30	16°22'22	16°21'21	23°52'52	19°21'21	22°32'32	24°12'12	11°30'30	n.a.		
T16	9 31 7	24°49'52	28°27'27	11°34'34	25°43'43	4°41'41	5°44'44	16°20'20	16°23'23	23°52'52	19°21'21	22°29'29	24°08'08	11°37'37	n.a.		
W17	9 35 4	25°49'30	10°20'20	10°58'58	26°58'58	5°17'17	5°58'58	16°18'18	16°26'26	23°52'52	19°22'22	22°27'27	24°05'05	11°44'44	n.a.		
T18	9 39 0	26°49'05	22°18'18	10°29'29	28°13'13	5°52'52	6°12'12	16°16'16	16°28'28	23°53'53	19°22'22	22°26'26	24°02'02	11°51'51	n.a.		
F19	9 42 57	27°48'37	4°22'22	10°05'05	29°27'27	6°27'27	6°26'26	16°14'14	16°31'31	23°53'53	19°22'22	22°27'27	23°59'59	11°57'57	n.a.		
S20	9 46 54	28°48'08	16°37'37	9°48'48	0°42'42	7°02'02	6°40'40	16°12'12	16°33'33	23°54'54	19°23'23	22°28'28	23°56'56	12°04'04	n.a.		
S21	9 50 50	29°47'36	29°04'04	9°37'37	1°56'56	7°38'38	6°53'53	16°09'09	16°36'36	23°54'54	19°23'23	22°30'30	23°53'53	12°11'11	n.a.		</

SWISS EPHEMERIS for the year 79 BCE

MARCH 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	10 22 23	7 ^h 41 ^m 56 ^s	21 ^h 01 ^m	11 ^h 28 ^m	11 ^h 52 ^m	12 ^h 22 ^m	8 ^h 43 ^m	15 ^h R48	16 ^h V58	23 ^h U59	19 ^h U27	22 ^h R24	23 ^h X27	13 ^h W 4	n.a.								
T 2	10 26 19	8 ^h 41 ^m 03 ^s	6 ^h 09 ^m	12 ^h 3 ^m	13 ^h 6 ^m	12 ^h 57 ^m	8 ^h 56 ^m	15 ^h U45	17 ^h 1 ^m	24 ^h 0 ^m	19 ^h 27 ^m	22 ^h X23	23 ^h 24 ^m	13 ^h 11 ^m	n.a.								
W 3	10 30 16	9 ^h 40 ^m 08 ^s	21 ^h 9 ^m	12 ^h 43 ^m	14 ^h 21 ^m	13 ^h 33 ^m	9 ^h 10 ^m	15 ^h 42 ^m	17 ^h 4 ^m	24 ^h 1 ^m	19 ^h 28 ^m	22 ^h D22	23 ^h 21 ^m	13 ^h 17 ^m	n.a.								
T 4	10 34 12	10 ^h 39 ^m 10 ^s	5 ^h 53 ^m	13 ^h 26 ^m	15 ^h 35 ^m	14 ^h 9 ^m	9 ^h 23 ^m	15 ^h 38 ^m	17 ^h 6 ^m	24 ^h 2 ^m	19 ^h 28 ^m	22 ^h 22 ^m	23 ^h 18 ^m	13 ^h 24 ^m	n.a.								
F 5	10 38 9	11 ^h 38 ^m 11 ^s	20 ^h 15 ^m	14 ^h 13 ^m	16 ^h 49 ^m	14 ^h 44 ^m	9 ^h 36 ^m	15 ^h 35 ^m	17 ^h 9 ^m	24 ^h 3 ^m	19 ^h 29 ^m	22 ^h 23 ^m	23 ^h 14 ^m	13 ^h 31 ^m	n.a.								
S 6	10 42 5	12 ^h 37 ^m 09 ^s	4 ^h 11 ^m	15 ^h 3 ^m	18 ^h 4 ^m	15 ^h 20 ^m	9 ^h 50 ^m	15 ^h 32 ^m	17 ^h 12 ^m	24 ^h 4 ^m	19 ^h 30 ^m	22 ^h 24 ^m	23 ^h 11 ^m	13 ^h 37 ^m	n.a.								
S 7	10 46 2	13 ^h 36 ^m 06 ^s	17 ^h 40 ^m	15 ^h 56 ^m	19 ^h 18 ^m	15 ^h 56 ^m	10 ^h 3 ^m	15 ^h 28 ^m	17 ^h 15 ^m	24 ^h 5 ^m	19 ^h 30 ^m	22 ^h 25 ^m	23 ^h 8 ^m	13 ^h 44 ^m	n.a.								
M 8	10 49 58	14 ^h 35 ^m 01 ^s	0 ^h 43 ^m	16 ^h 53 ^m	20 ^h 32 ^m	16 ^h 32 ^m	10 ^h 16 ^m	15 ^h 25 ^m	17 ^h 18 ^m	24 ^h 6 ^m	19 ^h 31 ^m	22 ^h 25 ^m	23 ^h 5 ^m	13 ^h 51 ^m	n.a.								
T 9	10 53 55	15 ^h 33 ^m 54 ^s	13 ^h 24 ^m	17 ^h 52 ^m	21 ^h 47 ^m	17 ^h 7 ^m	10 ^h 29 ^m	15 ^h 21 ^m	17 ^h 21 ^m	24 ^h 7 ^m	19 ^h 32 ^m	22 ^h R26	23 ^h 2 ^m	13 ^h 57 ^m	n.a.								
W10	10 57 52	16 ^h 32 ^m 45 ^s	25 ^h 46 ^m	18 ^h 54 ^m	23 ^h 1 ^m	17 ^h 43 ^m	10 ^h 42 ^m	15 ^h 18 ^m	17 ^h 25 ^m	24 ^h 8 ^m	19 ^h 32 ^m	22 ^h 26 ^m	22 ^h 59 ^m	14 ^h 0 ^m	n.a.								
T 11	11 1 48	17 ^h 31 ^m 35 ^s	7 ^h 53 ^m	19 ^h 59 ^m	24 ^h 15 ^m	18 ^h 19 ^m	10 ^h 55 ^m	15 ^h 14 ^m	17 ^h 28 ^m	24 ^h 9 ^m	19 ^h 33 ^m	22 ^h 25 ^m	22 ^h 55 ^m	14 ^h 11 ^m	n.a.								
F 12	11 5 45	18 ^h 30 ^m 23 ^s	19 ^h 50 ^m	21 ^h 6 ^m	25 ^h 29 ^m	18 ^h 55 ^m	11 ^h 8 ^m	15 ^h 10 ^m	17 ^h 31 ^m	24 ^h 10 ^m	19 ^h 34 ^m	22 ^h 25 ^m	22 ^h 52 ^m	14 ^h 17 ^m	n.a.								
S 13	11 9 41	19 ^h 29 ^m 08 ^s	1 ^h 40 ^m	22 ^h 15 ^m	26 ^h 43 ^m	19 ^h 31 ^m	11 ^h 21 ^m	15 ^h 6 ^m	17 ^h 34 ^m	24 ^h 11 ^m	19 ^h 35 ^m	22 ^h 24 ^m	22 ^h 49 ^m	14 ^h 24 ^m	n.a.								
S 14	11 13 38	20 ^h 27 ^m 52 ^s	13 ^h 29 ^m	23 ^h 27 ^m	27 ^h 58 ^m	20 ^h 7 ^m	11 ^h 33 ^m	15 ^h 3 ^m	17 ^h 37 ^m	24 ^h 12 ^m	19 ^h 35 ^m	22 ^h 24 ^m	22 ^h 46 ^m	14 ^h 31 ^m	n.a.								
M15	11 17 34	21 ^h 26 ^m 34 ^s	25 ^h 18 ^m	24 ^h 41 ^m	29 ^h 12 ^m	20 ^h 43 ^m	11 ^h 46 ^m	14 ^h 59 ^m	17 ^h 40 ^m	24 ^h 13 ^m	19 ^h 36 ^m	22 ^h 24 ^m	22 ^h 43 ^m	14 ^h 37 ^m	n.a.								
T 16	11 21 31	22 ^h 25 ^m 14 ^s	7 ^h 12 ^m	25 ^h 58 ^m	0 ^h V26	21 ^h 19 ^m	11 ^h 59 ^m	14 ^h 55 ^m	17 ^h 43 ^m	24 ^h 15 ^m	19 ^h 37 ^m	22 ^h D24	22 ^h 39 ^m	14 ^h 44 ^m	n.a.								
W17	11 25 27	23 ^h 23 ^m 52 ^s	19 ^h 12 ^m	27 ^h 16 ^m	1 ^h 40 ^m	21 ^h 55 ^m	12 ^h 11 ^m	14 ^h 51 ^m	17 ^h 47 ^m	24 ^h 16 ^m	19 ^h 38 ^m	22 ^h R24	22 ^h 36 ^m	14 ^h 51 ^m	n.a.								
T 18	11 29 24	24 ^h 22 ^m 28 ^s	1 ^h V20	28 ^h 36 ^m	2 ^h 54 ^m	22 ^h 31 ^m	12 ^h 24 ^m	14 ^h 47 ^m	17 ^h 50 ^m	24 ^h 17 ^m	19 ^h 39 ^m	22 ^h 24 ^m	22 ^h 33 ^m	14 ^h 58 ^m	n.a.								
F 19	11 33 21	25 ^h 21 ^m 02 ^s	13 ^h 38 ^m	29 ^h 59 ^m	4 ^h 8 ^m	23 ^h 7 ^m	12 ^h 36 ^m	14 ^h 43 ^m	17 ^h 53 ^m	24 ^h 19 ^m	19 ^h 39 ^m	22 ^h 24 ^m	22 ^h 30 ^m	15 ^h 4 ^m	n.a.								
S 20	11 37 17	26 ^h 19 ^m 33 ^s	26 ^h 8 ^m	1 ^h X23	5 ^h 22 ^m	23 ^h 43 ^m	12 ^h 49 ^m	14 ^h 39 ^m	17 ^h 56 ^m	24 ^h 20 ^m	19 ^h 40 ^m	22 ^h 23 ^m	22 ^h 27 ^m	15 ^h 11 ^m	n.a.								
S 21	11 41 14	27 ^h 18 ^m 03 ^s	8 ^h U50	2 ^h 49 ^m	6 ^h 36 ^m	24 ^h 19 ^m	13 ^h 1 ^m	14 ^h 34 ^m	18 ^h 0 ^m	24 ^h 21 ^m	19 ^h 41 ^m	22 ^h 23 ^m	22 ^h 24 ^m	15 ^h 18 ^m	n.a.								
M22	11 45 10	28 ^h 16 ^m 31 ^s	21 ^h 47 ^m	4 ^h 17 ^m	7 ^h 50 ^m	24 ^h 55 ^m	13 ^h 13 ^m	14 ^h 30 ^m	18 ^h 3 ^m	24 ^h 23 ^m	19 ^h 42 ^m	22 ^h 22 ^m	22 ^h 20 ^m	15 ^h 24 ^m	n.a.								
T 23	11 49 7	29 ^h 14 ^m 56 ^s	5 ^h II 0	5 ^h 46 ^m	9 ^h 4 ^m	25 ^h 32 ^m	13 ^h 25 ^m	14 ^h 26 ^m	18 ^h 6 ^m	24 ^h 24 ^m	19 ^h 43 ^m	22 ^h 21 ^m	22 ^h 17 ^m	15 ^h 31 ^m	n.a.								
W24	11 53 3	0 ^h V13 ^m 19 ^s	18 ^h 29 ^m	7 ^h 18 ^m	10 ^h 18 ^m	26 ^h 8 ^m	13 ^h 37 ^m	14 ^h 22 ^m	18 ^h 10 ^m	24 ^h 26 ^m	19 ^h 44 ^m	22 ^h 21 ^m	22 ^h 14 ^m	15 ^h 38 ^m	n.a.								
T 25	11 57 0	1 ^h 11 ^m 40 ^s	2 ^h U5	8 ^h 51 ^m	11 ^h 32 ^m	26 ^h 44 ^m	13 ^h 49 ^m	14 ^h 17 ^m	18 ^h 13 ^m	24 ^h 27 ^m	19 ^h 45 ^m	22 ^h D21	22 ^h 11 ^m	15 ^h 44 ^m	n.a.								
F 26	12 0 56	2 ^h 9 ^m 59 ^s	16 ^h 19 ^m	10 ^h 26 ^m	12 ^h 46 ^m	27 ^h 20 ^m	14 ^h 1 ^m	14 ^h 13 ^m	18 ^h 16 ^m	24 ^h 29 ^m	19 ^h 46 ^m	22 ^h 21 ^m	22 ^h 8 ^m	15 ^h 51 ^m	n.a.								
S 27	12 4 53	3 ^h 8 ^m 16 ^s	0 ^h U39	12 ^h 3 ^m	14 ^h 0 ^m	27 ^h 56 ^m	14 ^h 13 ^m	14 ^h 9 ^m	18 ^h 20 ^m	24 ^h 30 ^m	19 ^h 47 ^m	22 ^h 22 ^m	22 ^h 4 ^m	15 ^h 58 ^m	n.a.								
S 28	12 8 50	4 ^h 6 ^m 30 ^s	15 ^h 12 ^m	13 ^h 42 ^m	15 ^h 14 ^m	28 ^h 33 ^m	14 ^h 25 ^m	14 ^h 4 ^m	18 ^h 23 ^m	24 ^h 32 ^m	19 ^h 48 ^m	22 ^h 23 ^m	22 ^h 1 ^m	16 ^h 4 ^m	n.a.								
M29	12 12 46	5 ^h 4 ^m 42 ^s	29 ^h 55 ^m	15 ^h 22 ^m	16 ^h 28 ^m	29 ^h 9 ^m	14 ^h 36 ^m	14 ^h 0 ^m	18 ^h 26 ^m	24 ^h 33 ^m	19 ^h 49 ^m	22 ^h 23 ^m	21 ^h 58 ^m	16 ^h 11 ^m	n.a.								
T 30	12 16 43	6 ^h 2 ^m 52 ^s	14 ^h U41	17 ^h 5 ^m	17 ^h 41 ^m	29 ^h 45 ^m	14 ^h 48 ^m	13 ^h 56 ^m	18 ^h 30 ^m	24 ^h 35 ^m	19 ^h 50 ^m	22 ^h 24 ^m	21 ^h 55 ^m	16 ^h 18 ^m	n.a.								
W31	12 20 39	7 ^h V 1 ^m 00 ^s	29 ^h U24	18 ^h X48	18 ^h V55	0 ^h II21	14 ^h W59	13 ^h U51	18 ^h V33	24 ^h U36	19 ^h U51	22 ^h R24	21 ^h X52	16 ^h W24	n.a.								

Delta T = 03h07m59s Julian Calendar 1 March 79 BCE == Greg. Calendar 27 Feb. 079 BCE

The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

APRIL 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	12 24 36	7 ^h V59 ^m 07 ^s	13 ^h U57	20 ^h X34	20 ^h V 9	0 ^h II58	15 ^h W11	13 ^h R47	18 ^h V37	24 ^h U38	19 ^h U52	22 ^h R23	21 ^h X49	16 ^h W31	n.a.								
F 2	12 28 32	8 ^h 57 ^m 11 ^s	28 ^h 14 ^m	22 ^h 22 ^m	21 ^h 23 ^m	1 ^h 34 ^m	15 ^h 22 ^m	13 ^h U42	18 ^h 40 ^m	24 ^h 40 ^m	19 ^h 53 ^m	22 ^h X22	21 ^h 45 ^m	16 ^h 38 ^m	n.a.								
S 3	12 32 29	9 ^h 55 ^m 14 ^s	12 ^h U10	24 ^h 11 ^m	22 ^h 36 ^m	2 ^h 10 ^m	15 ^h 33 ^m	13 ^h 38 ^m	18 ^h 44 ^m	24 ^h 41 ^m	19 ^h 54 ^m	22 ^h 20 ^m	21 ^h 42 ^m	16 ^h 44 ^m	n.a.								
S 4	12 36 25	10 ^h 53 ^m 15 ^s	25 ^h 42 ^m	26 ^h 2 ^m	23 ^h 50 ^m	2 ^h 47 ^m	15 ^h 44 ^m	13 ^h 33 ^m	18 ^h 47 ^m	24 ^h 43 ^m	19 ^h 56 ^m	22 ^h 17 ^m	21 ^h 39 ^m	16 ^h 51 ^m	n.a.								
M 5	12 40 22	11 ^h 51 ^m 15 ^s	8 ^h X51	27 ^h 55 ^m	25 ^h 4 ^m	3 ^h 23 ^m	15 ^h 55 ^m	13 ^h 29 ^m	18 ^h 50 ^m	24 ^h 45 ^m	19 ^h 57 ^m	22 ^h 15 ^m	21 ^h 36 ^m	16 ^h 58 ^m	n.a.								
T 6	12 44 18	12 ^h 49 ^m 14 ^s	21 ^h 36 ^m	29 ^h 49 ^m	26 ^h 18 ^m	4 ^h 0 ^m	16 ^h 6 ^m	13 ^h 24 ^m	18 ^h 54 ^m	24 ^h 47 ^m	19 ^h 58 ^m	22 ^h 13 ^m	21 ^h 33 ^m	17 ^h 4 ^m	n.a.								
W 7	12 48 15	13 ^h 47 ^m 11 ^s	4 ^h U 1	1 ^h V46	27 ^h 31 ^m	4 ^h 36 ^m	16 ^h 17 ^m	13 ^h 20 ^m	18 ^h 57 ^m	24 ^h 48 ^m	19 ^h 59 ^m	22 ^h 11 ^m	21 ^h 30										

SWISS EPHEMERIS for the year 79 BCE

MAY 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	14 22 52	6♂50'45	20♁19	21♂58	26♂53	19♁14	20♁ 2	11°R37	20°V20	25♂36	20♂30	21°R34	20♁13	19♁51	n.a.		
S 2	14 26 49	7°48'07	3♂44	23°50	28° 6	19°51	20°10	11♁34	20°23	25°38	20°31	21♁26	20°10	19°58	n.a.		
M 3	14 30 45	8°45'28	16°49	25°40	29°19	20°28	20°18	11°30	20°27	25°40	20°32	21°19	20° 7	20° 4	n.a.		
T 4	14 34 42	9°42'48	29°33	27°28	0♁32	21° 5	20°25	11°26	20°30	25°42	20°34	21°12	20° 4	20°11	n.a.		
W 5	14 38 39	10°40'07	11♂59	29°12	1°45	21°41	20°32	11°22	20°33	25°44	20°35	21° 6	20° 1	20°18	n.a.		
T 6	14 42 35	11°37'26	24° 9	0♁54	2°58	22°18	20°40	11°19	20°36	25°47	20°37	21° 3	19°57	20°24	n.a.		
F 7	14 46 32	12°34'44	6♁ 7	2°34	4°11	22°55	20°47	11°15	20°40	25°49	20°38	21° 1	19°54	20°31	n.a.		
S 8	14 50 28	13°32'01	17°58	4°10	5°24	23°32	20°54	11°12	20°43	25°51	20°39	21°D 1	19°51	20°38	n.a.		
S 9	14 54 25	14°29'18	29°48	5°44	6°37	24° 9	21° 1	11° 9	20°46	25°53	20°41	21° 2	19°48	20°44	n.a.		
M10	14 58 21	15°26'34	11♁41	7°15	7°50	24°46	21° 7	11° 5	20°50	25°55	20°42	21° 3	19°45	20°51	n.a.		
T 11	15 2 18	16°23'50	23°42	8°43	9° 3	25°22	21°14	11° 2	20°53	25°58	20°43	21°R 3	19°41	20°58	n.a.		
W12	15 6 14	17°21'05	5°V56	10° 8	10°15	25°59	21°20	10°59	20°56	26° 0	20°45	21° 2	19°38	21° 4	n.a.		
T 13	15 10 11	18°18'20	18°27	11°31	11°28	26°36	21°26	10°56	20°59	26° 2	20°46	20°58	19°35	21°11	n.a.		
F 14	15 14 8	19°15'34	1♂17	12°50	12°41	27°13	21°32	10°53	21° 2	26° 4	20°48	20°53	19°32	21°18	n.a.		
S 15	15 18 4	20°12'47	14°26	14° 6	13°54	27°50	21°38	10°50	21° 5	26° 6	20°49	20°45	19°29	21°24	n.a.		
S 16	15 22 1	21°10'00	27°53	15°20	15° 7	28°27	21°44	10°47	21° 9	26° 9	20°50	20°36	19°26	21°31	n.a.		
M17	15 25 57	22° 7'13	11♁37	16°30	16°20	29° 4	21°49	10°44	21°12	26°11	20°52	20°26	19°22	21°38	n.a.		
T 18	15 29 54	23° 4'25	25°34	17°37	17°32	29°41	21°54	10°41	21°15	26°13	20°53	20°16	19°19	21°44	n.a.		
W19	15 33 50	24° 1'36	9♁40	18°41	18°45	0♁18	22° 0	10°39	21°18	26°15	20°55	20° 8	19°16	21°51	n.a.		
T 20	15 37 47	24°58'47	23°51	19°42	19°58	0°55	22° 5	10°36	21°21	26°18	20°56	20° 3	19°13	21°58	n.a.		
F 21	15 41 43	25°55'57	8♁ 3	20°39	21°10	1°32	22° 9	10°33	21°24	26°20	20°57	19°59	19°10	22° 4	n.a.		
S 22	15 45 40	26°53'06	22°14	21°33	22°23	2° 9	22°14	10°31	21°27	26°22	20°59	19°D58	19° 7	22°11	n.a.		
S 23	15 49 37	27°50'14	6♁21	22°23	23°36	2°46	22°19	10°29	21°30	26°24	21° 0	19°58	19° 3	22°18	n.a.		
M24	15 53 33	28°47'22	20°25	23°10	24°48	3°23	22°23	10°26	21°33	26°27	21° 2	19°R58	19° 0	22°24	n.a.		
T 25	15 57 30	29°44'29	4♁24	23°53	26° 1	4° 1	22°27	10°24	21°36	26°29	21° 3	19°58	18°57	22°31	n.a.		
W26	16 1 26	0♁41'36	18°17	24°32	27°13	4°38	22°31	10°22	21°38	26°31	21° 4	19°55	18°54	22°38	n.a.		
T 27	16 5 23	1°38'42	2♁ 2	25° 7	28°26	5°15	22°35	10°20	21°41	26°33	21° 6	19°50	18°51	22°44	n.a.		
F 28	16 9 19	2°35'48	15°38	25°38	29°38	5°52	22°38	10°18	21°44	26°36	21° 7	19°42	18°47	22°51	n.a.		
S 29	16 13 16	3°32'53	29° 1	26° 4	0♁50	6°29	22°42	10°16	21°47	26°38	21° 9	19°31	18°44	22°58	n.a.		
S 30	16 17 12	4°29'59	12♁10	26°26	2° 3	7° 6	22°45	10°15	21°50	26°40	21°10	19°20	18°41	23° 4	n.a.		
M31	16 21 9	5♁27'04	25♁ 2	26♁44	3♁15	7♁43	22♁48	10♁13	21°V52	26♁42	21♁11	19♁ 7	18♁38	23♁11	n.a.		

Delta T = 03h07m57s Julian Calendar 1 May 79 BCE == Greg. Calendar 29 Apr. 079 BCE
 The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

JUNE 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	16 25 6	6♁24'10	7♂39	26♁58	4♁27	8♁21	22♁51	10°R12	21°V55	26♂44	21♂13	18°R56	18♁35	23♁18	n.a.		
W 2	16 29 2	7°21'16	19°59	27° 6	5°40	8°58	22°54	10♁10	21°58	26°47	21°14	18♁47	18°32	23°24	n.a.		
T 3	16 32 59	8°18'21	2♁ 6	27°R10	6°52	9°35	22°56	10° 9	22° 0	26°49	21°15	18°40	18°28	23°31	n.a.		
F 4	16 36 55	9°15'27	14° 3	27°10	8° 4	10°12	22°59	10° 7	22° 3	26°51	21°17	18°35	18°25	23°38	n.a.		
S 5	16 40 52	10°12'34	25°53	27° 5	9°16	10°50	23° 1	10° 6	22° 6	26°53	21°18	18°33	18°22	23°44	n.a.		
S 6	16 44 48	11° 9'40	7♁42	26°55	10°29	11°27	23° 3	10° 5	22° 8	26°55	21°19	18°32	18°19	23°51	n.a.		
M 7	16 48 45	12° 6'47	19°35	26°41	11°41	12° 4	23° 5	10° 4	22°11	26°58	21°21	18°32	18°16	23°57	n.a.		
T 8	16 52 42	13° 3'54	1°V37	26°22	12°53	12°42	23° 6	10° 3	22°13	27° 0	21°22	18°32	18°13	24° 4	n.a.		
W 9	16 56 38	14° 1'02	13°54	25°59	14° 5	13°19	23° 7	10° 2	22°16	27° 2	21°23	18°30	18° 9	24°11	n.a.		
T 10	17 0 35	14°58'11	26°31	25°33	15°17	13°56	23° 9	10° 2	22°18	27° 4	21°25	18°26	18° 6	24°17	n.a.		
F 11	17 4 31	15°55'19	9♁29	25° 3	16°29	14°34	23°10	10° 1	22°20	27° 6	21°26	18°19	18° 3	24°24	n.a.		
S 12	17 8 28	16°52'29	22°52	24°30	17°41	15°11	23°10	10° 1	22°23	27° 8	21°27	18°10	18° 0	24°31	n.a.		
S 13	17 12 24	17°49'39	6♁38	23°55	18°53	15°49	23°11	10° 0	22°25	27°11	21°29	17°59	17°57	24°37	n.a.		
M14	17 16 21	18°46'49	20°45	23°18	20° 5	16°26	23°11	10° 0	22°27	27°13	21°30	17°48	17°53	24°44	n.a.		
T 15	17 20 17	19°44'00	5♁ 8	22°39	21°17	17° 3	23°12	10° 0	22°30	27°15	21°31	17°36	17°50	24°51	n.a.		
W16	17 24 14	20°41'11	19°39	21°59	22°28	17°41	23°R12	10° 0	22°32	27°17	21°32	17°27	17°47	24°57	n.a.		
T 17	17 28 11	21°38'22	4♁13	21°20	23°40	18°19	23°11	10°D 0	22°34	27°19	21°34	17°20	17°44	25° 4	n.a.		
F 18	17 32 7	22°35'34	18°43	20°41	24°52	18°56	23°11	10° 0	22°36	27°21	21°35	17°15	17°41	25°11	n.a.		
S 19	17 36 4	23°32'46	3♁ 5	20° 3	26° 4	19°34	23°11	10° 0	22°38	27°23	21°36	17°13	17°38	25°17	n.a.		
S 20	17 40 0	24°29'58	17°17	19°27	27°15	20°11	23°10	10° 0	22°40	27°25	21°37	17°13	17°34	25°24	n.a.		
M21	17 43 57	25°27'10	1♁16	18°54	28°27	20°49	23° 9	10° 0	22°42	27°27	21°38	17°13	17°31	25°31	n.a.		
T 22	17 47 53	26°24'23	15° 4	18°24	29°39	21°26	23° 8	10° 1	22°44	27°29	21°40	17°12	17°28	25°37	n.a.		
W23	17 51 50	27°21'36	28°39	17°58	0♁50	22° 4	23° 6	10° 1	22°46	27°31	21°41	17° 9	17°25	25°44	n.a.		
T 24	17 55 46	28°18'50	12♁ 3	17°36	2° 2	22°42	23° 5	10° 2	22°48	27°33	21°42	17° 3	17°22	25°51	n.a.		
F 25	17 59 43	29°16'04	25°16	17°20	3°13	23°19	23° 3	10° 3	22°50	27°35	21°43	16°55	17°19	25°57	n.a.		
S 26	18 3 40	0♁13'19	8♁17	17° 8	4°24	23°57	23° 1	10° 4	22°51	27°37	21°44	16°45	17°15	26° 4	n.a.		
S 27	18 7 36	1°10'34	21° 6	17° 2	5°36	24°35	22°59	10° 5	22°53	27°39	21°45	16°33	17°12	26°11	n.a.		
M28	18 11 33	2° 7'50	3♁42	17°D 1	6°47	25°12	22°57	10° 6	22°55	27°41	21°47	16°20	17° 9	26°17	n.a.		
T 29	18 15 29	3° 5'07	16° 6	17° 6	7°58	25°50	22°54	10° 7	22°57	27°43	21°48	16° 9	17° 6	26°24	n.a.		
W30	18 19 26	4♁ 2'25	28♁17	17♁18	9♁ 9	26♁28	22♁51	10♁ 8	22°V58	27♁45	21♁49	15♁59	17♁ 3	26♁31	n.a.		

Delta T = 03h07m56s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 79 BCE

JULY 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	18 23 22	45 ⁵⁹ 44	10 ²⁸ 18	17 ^{II} 35	10 ^Ω 20	27 [♁] 6	22 [°] R49	10 [♁] 9	23 [♃] 0	27 [♄] 47	21 [♅] 50	15 [°] R51	16 [♁] 59	26 [♁] 37	n.a.								
F 2	18 27 19	5 ⁵⁷ 05	22 [°] 11	17 [°] 59	11 [°] 32	27 [°] 43	22 [♁] 45	10 [°] 11	23 [°] 1	27 [°] 49	21 [°] 51	15 [♁] 46	16 [°] 56	26 [°] 44	n.a.								
S 3	18 31 15	6 ⁵⁴ 26	3 [♁] 59	18 [°] 29	12 [°] 43	28 [°] 21	22 [°] 42	10 [°] 12	23 [°] 3	27 [°] 50	21 [°] 52	15 [°] 44	16 [°] 53	26 [°] 51	n.a.								
S 4	18 35 12	7 ⁵¹ 48	15 [°] 47	19 [°] 6	13 [°] 54	28 [°] 59	22 [°] 39	10 [°] 14	23 [°] 4	27 [°] 52	21 [°] 53	15 [°] D43	16 [°] 50	26 [°] 57	n.a.								
M 5	18 39 9	8 ⁴⁹ 12	27 [°] 39	19 [°] 48	15 [°] 4	29 [°] 37	22 [°] 35	10 [°] 16	23 [°] 6	27 [°] 54	21 [°] 54	15 [°] 43	16 [°] 47	27 [°] 4	n.a.								
T 6	18 43 5	9 ⁴⁶ 37	9 [♃] 40	20 [°] 37	16 [°] 15	0 [♁] 15	22 [°] 31	10 [°] 17	23 [°] 7	27 [°] 56	21 [°] 55	15 [°] R44	16 [°] 44	27 [°] 11	n.a.								
W 7	18 47 2	10 ⁴⁴ 03	21 [°] 57	21 [°] 32	17 [°] 26	0 [°] 53	22 [°] 27	10 [°] 19	23 [°] 8	27 [°] 57	21 [°] 56	15 [°] 43	16 [°] 40	27 [°] 17	n.a.								
T 8	18 50 58	11 ⁴¹ 31	4 [♁] 33	22 [°] 33	18 [°] 37	1 [°] 31	22 [°] 23	10 [°] 21	23 [°] 10	27 [°] 59	21 [°] 57	15 [°] 41	16 [°] 37	27 [°] 24	n.a.								
F 9	18 54 55	12 ³⁹ 00	17 [°] 33	23 [°] 39	19 [°] 48	2 [°] 9	22 [°] 19	10 [°] 23	23 [°] 11	28 [°] 1	21 [°] 58	15 [°] 36	16 [°] 34	27 [°] 30	n.a.								
S 10	18 58 51	13 ³⁶ 31	1 ^{II} 1	24 [°] 51	20 [°] 58	2 [°] 47	22 [°] 14	10 [°] 25	23 [°] 12	28 [°] 3	21 [°] 59	15 [°] 29	16 [°] 31	27 [°] 37	n.a.								
S 11	19 2 48	14 ³⁴ 03	14 [°] 56	26 [°] 9	22 [°] 9	3 [°] 25	22 [°] 10	10 [°] 28	23 [°] 13	28 [°] 4	22 [°] 0	15 [°] 21	16 [°] 28	27 [°] 44	n.a.								
M12	19 6 44	15 ³¹ 37	29 [°] 16	27 [°] 32	23 [°] 19	4 [°] 3	22 [°] 5	10 [°] 30	23 [°] 14	28 [°] 6	22 [°] 1	15 [°] 12	16 [°] 25	27 [°] 50	n.a.								
T 13	19 10 41	16 ²⁹ 12	13 [♁] 56	29 [°] 0	24 [°] 30	4 [°] 41	22 [°] 0	10 [°] 32	23 [°] 15	28 [°] 8	22 [°] 2	15 [°] 3	16 [°] 21	27 [°] 57	n.a.								
W14	19 14 38	17 ²⁶ 49	28 [°] 48	0 [♁] 32	25 [°] 40	5 [°] 19	21 [°] 55	10 [°] 35	23 [°] 16	28 [°] 9	22 [°] 3	14 [°] 55	16 [°] 18	28 [°] 4	n.a.								
T 15	19 18 34	18 ²⁴ 26	13 [♁] 45	2 [°] 9	26 [°] 51	5 [°] 57	21 [°] 49	10 [°] 38	23 [°] 17	28 [°] 11	22 [°] 3	14 [°] 49	16 [°] 15	28 [°] 10	n.a.								
F 16	19 22 31	19 ²² 05	28 [°] 37	3 [°] 50	28 [°] 1	6 [°] 35	21 [°] 44	10 [°] 40	23 [°] 18	28 [°] 12	22 [°] 4	14 [°] 46	16 [°] 12	28 [°] 17	n.a.								
S 17	19 26 27	20 ¹⁹ 45	13 [♁] 17	5 [°] 34	29 [°] 11	7 [°] 13	21 [°] 38	10 [°] 43	23 [°] 19	28 [°] 14	22 [°] 5	14 [°] D45	16 [°] 9	28 [°] 24	n.a.								
S 18	19 30 24	21 ¹⁷ 25	27 [°] 42	7 [°] 22	0 [♁] 21	7 [°] 52	21 [°] 33	10 [°] 46	23 [°] 19	28 [°] 15	22 [°] 6	14 [°] 46	16 [°] 5	28 [°] 30	n.a.								
M19	19 34 20	22 ¹⁵ 08	11 [♁] 47	9 [°] 13	1 [°] 31	8 [°] 30	21 [°] 27	10 [°] 49	23 [°] 20	28 [°] 17	22 [°] 7	14 [°] 47	16 [°] 2	28 [°] 37	n.a.								
T 20	19 38 17	23 ¹² 51	25 [°] 34	11 [°] 6	2 [°] 41	9 [°] 8	21 [°] 21	10 [°] 52	23 [°] 21	28 [°] 18	22 [°] 7	14 [°] R47	15 [°] 59	28 [°] 44	n.a.								
W21	19 42 14	24 ¹⁰ 35	9 [♁] 13	13 [°] 1	3 [°] 51	9 [°] 46	21 [°] 14	10 [°] 55	23 [°] 21	28 [°] 20	22 [°] 8	14 [°] 46	15 [°] 56	28 [°] 50	n.a.								
T 22	19 46 10	25 [°] 8'21	22 [°] 14	14 [°] 58	5 [°] 1	10 [°] 25	21 [°] 8	10 [°] 58	23 [°] 22	28 [°] 21	22 [°] 9	14 [°] 43	15 [°] 53	28 [°] 57	n.a.								
F 23	19 50 7	26 [°] 6'08	5 [♁] 11	16 [°] 56	6 [°] 11	11 [°] 3	21 [°] 2	11 [°] 2	23 [°] 23	28 [°] 23	22 [°] 10	14 [°] 37	15 [°] 50	29 [°] 4	n.a.								
S 24	19 54 3	27 [°] 3'56	17 [°] 54	18 [°] 56	7 [°] 20	11 [°] 41	20 [°] 55	11 [°] 5	23 [°] 23	28 [°] 24	22 [°] 10	14 [°] 31	15 [°] 46	29 [°] 10	n.a.								
S 25	19 58 0	28 [°] 1'46	0 [♁] 25	20 [°] 55	8 [°] 30	12 [°] 20	20 [°] 48	11 [°] 9	23 [°] 23	28 [°] 25	22 [°] 11	14 [°] 23	15 [°] 43	29 [°] 17	n.a.								
M26	20 1 56	28 ⁵⁹ 37	12 [°] 45	22 [°] 55	9 [°] 40	12 [°] 58	20 [°] 42	11 [°] 12	23 [°] 24	28 [°] 27	22 [°] 12	14 [°] 14	15 [°] 40	29 [°] 24	n.a.								
T 27	20 5 53	29 ⁵⁷ 30	24 [°] 55	24 [°] 55	10 [°] 49	13 [°] 36	20 [°] 35	11 [°] 16	23 [°] 24	28 [°] 28	22 [°] 12	14 [°] 6	15 [°] 37	29 [°] 30	n.a.								
W28	20 9 49	0 [♁] 55'25	6 [♁] 56	26 [°] 55	11 [°] 58	14 [°] 15	20 [°] 28	11 [°] 19	23 [°] 24	28 [°] 29	22 [°] 13	14 [°] 0	15 [°] 34	29 [°] 37	n.a.								
T 29	20 13 46	1 [°] 53'21	18 [°] 50	28 [°] 54	13 [°] 7	14 [°] 53	20 [°] 21	11 [°] 23	23 [°] 25	28 [°] 30	22 [°] 14	13 [°] 55	15 [°] 31	29 [°] 44	n.a.								
F 30	20 17 43	2 [°] 51'18	0 [♁] 40	0 [♁] 53	14 [°] 17	15 [°] 32	20 [°] 13	11 [°] 27	23 [°] 25	28 [°] 32	22 [°] 14	13 [°] 52	15 [°] 27	29 [°] 50	n.a.								
S 31	20 21 39	3 [♁] 49'18	12 [♁] 27	2 [♁] 51	15 [♁] 26	16 [♁] 10	20 [♁] 6	11 [♁] 31	23 [♁] 25	28 [♁] 33	22 [♁] 15	13 [°] D51	15 [♁] 24	29 [♁] 57	n.a.								

Delta T = 03h07m56s Julian Calendar 1 July 79 BCE == Greg. Calendar 29 June 079 BCE

The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

AUGUST 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	20 25 36	4 [♁] 47'19	24 [♁] 14	4 [♁] 48	16 [♁] 35	16 [♁] 49	19 [°] R59	11 [♁] 35	23 [♃] 25	28 [♄] 34	22 [♅] 15	13 [♁] 51	15 [♁] 21	0 [♁] 4	n.a.								
M 2	20 29 32	5 ⁴⁵ 23	6 [♃] 6	6 [°] 45	17 [°] 43	17 [°] 28	19 [♁] 51	11 [°] 39	23 [°] R25	28 [°] 35	22 [°] 16	13 [°] 53	15 [°] 18	0 [°] 10	n.a.								
T 3	20 33 29	6 ⁴³ 28	18 [°] 8	8 [°] 40	18 [°] 52	18 [°] 6	19 [°] 44	11 [°] 43	23 [°] 25	28 [°] 36	22 [°] 16	13 [°] 55	15 [°] 15	0 [°] 17	n.a.								
W 4	20 37 25	7 ⁴¹ 36	0 [♁] 23	10 [°] 34	20 [°] 1	18 [°] 45	19 [°] 36	11 [°] 48	23 [°] 25	28 [°] 37	22 [°] 17	13 [°] 56	15 [°] 11	0 [°] 23	n.a.								
T 5	20 41 22	8 ³⁹ 45	12 [°] 57	12 [°] 27	21 [°] 9	19 [°] 24	19 [°] 28	11 [°] 52	23 [°] 25	28 [°] 38	22 [°] 17	13 [°] R56	15 [°] 8	0 [°] 30	n.a.								
F 6	20 45 18	9 ³⁷ 57	25 [°] 54	14 [°] 19	22 [°] 18	20 [°] 2	19 [°] 21	11 [°] 56	23 [°] 25	28 [°] 39	22 [°] 18	13 [°] 55	15 [°] 5	0 [°] 37	n.a.								
S 7	20 49 15	10 ³⁶ 11	9 ^{II} 17	16 [°] 10	23 [°] 26	20 [°] 41	19 [°] 13	12 [°] 1	23 [°] 24	28 [°] 40	22 [°] 18	13 [°] 52	15 [°] 2	0 [°] 43	n.a.								
S 8	20 53 12	11 ³⁴ 27	23 [°] 9	18 [°] 0	24 [°] 34	21 [°] 20	19 [°] 5	12 [°] 5	23 [°] 24	28 [°] 41	22 [°] 18	13 [°] 48	14 [°] 59	0 [°] 50	n.a.								
M 9	20 57 8	12 ³² 45	7 [♁] 29	19 [°] 48	25 [°] 43	21 [°] 59	18 [°] 57	12 [°] 10	23 [°] 24	28 [°] 42	22 [°] 19	13 [°] 44	14 [°] 56	0 [°] 57	n.a.								
T 10	21 1 5	13 ³¹ 06	22 [°] 12	21 [°] 36	26 [°] 51	22 [°] 37	18 [°] 49	12 [°] 15	23 [°] 23	28 [°] 43	22 [°] 19	13 [°] 39	14 [°] 52	1 [°] 3	n.a.								
W11	21 5 1	14 ²⁹ 28	7 [♁] 13	23 [°] 22	27 [°] 58	23 [°] 16	18 [°] 41	12 [°] 20	23 [°] 23	28 [°] 44	22 [°] 20	13 [°] 36	14 [°] 49	1 [°] 10	n.a.								
T 12	21 8 58	15 ²⁷ 52	22 [°] 23	25 [°] 7	29 [°] 6	23 [°] 55	18 [°] 33	12 [°] 24	23 [°] 23	28 [°] 44	22 [°] 20	13 [°] 33	14 [°] 46	1 [°] 17	n.a.								
F 13	21 12 54	16 ²⁶ 18	7 [♁] 32	26 [°] 51	0 [♁] 14	24 [°] 34	18 [°] 26	12 [°] 29	23 [°] 22	28 [°] 45	22 [°] 20	13 [°] D32	14 [°] 43	1 [°] 23	n.a.								
S 14	21 16 51	17 ²⁴ 46	22 [°] 31	28 [°] 33	1 [°] 21	25 [°] 13	18 [°] 18	12 [°] 34	23 [°] 21	28 [°] 46	22 [°] 20	13 [°] 32	14 [°] 40	1 [°] 30	n.a.								
S 15	21 20 47	18 ²³ 16	7 [♁] 12	0 [♁] 15	2 [°] 29	25 [°] 52	18 [°] 10	12 [°] 39	23 [°] 21	28 [°] 47	22 [°] 21	13 [°] 33	14 [°] 37	1 [°] 37	n.a.								
M16	21 24 44	19 ²¹ 47	21 [°] 32	1 [°] 55	3 [°] 36	26 [°] 31	18 [°] 2	12 [°] 44	23 [°] 20	28 [°] 47	22 [°] 21	13 [°] 34	14 [°] 33	1 [°] 43	n.a.								
T 17	21 28 41	20 ²⁰ 20	5 [♁] 12	3 [°] 35	4 [°] 43	27 [°] 10	17 [°] 54	12 [°] 50	23 [°] 19	28 [°] 48	22 [°] 21	13 [°] 36	14 [°] 30	1 [°] 50	n.a.								
W18	21 32 37	21 ¹⁸ 55	18 [°] 58	5 [°] 13	5 [°] 50	27 [°] 49																	

SWISS EPHEMERIS for the year 79 BCE

SEPTEMBER 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	22 27 49	5♍ 2'24	9♄25	26♍23	21♁10	7♍ 0	15°R59	14♁14	23°R 3	28♄54	22°R22	13♋24	13♋43	3♋30	n.a.								
T 2	22 31 45	6° 1'30	21°59	27°47	22°15	7°39	15°52	14°20	23°Y 2	28°54	22°B 21	13°25	13°39	3°36	n.a.								
F 3	22 35 42	7° 0'38	4♁53	29° 8	23°19	8°19	15°45	14°26	23° 0	28°54	22°21	13°R25	13°36	3°43	n.a.								
S 4	22 39 39	7°59'48	18° 9	0♁29	24°23	8°59	15°38	14°32	22°59	28°54	22°21	13°25	13°33	3°50	n.a.								
S 5	22 43 35	8°59'01	1♄51	1°49	25°26	9°38	15°31	14°38	22°57	28°R54	22°21	13°24	13°30	3°56	n.a.								
M 6	22 47 32	9°58'16	15°59	3° 7	26°30	10°18	15°25	14°45	22°55	28°54	22°21	13°24	13°27	4° 3	n.a.								
T 7	22 51 28	10°57'34	0♁32	4°24	27°33	10°58	15°18	14°51	22°54	28°54	22°20	13°24	13°23	4°10	n.a.								
W 8	22 55 25	11°56'54	15°25	5°40	28°35	11°38	15°12	14°57	22°52	28°54	22°20	13°23	13°20	4°16	n.a.								
T 9	22 59 21	12°56'16	0♍32	6°54	29°38	12°18	15° 6	15° 4	22°50	28°53	22°20	13°23	13°17	4°23	n.a.								
F 10	23 3 18	13°55'41	15°43	8° 7	0♁40	12°57	15° 0	15°10	22°49	28°53	22°19	13°23	13°14	4°29	n.a.								
S 11	23 7 14	14°55'07	0♁51	9°18	1°42	13°37	14°54	15°16	22°47	28°53	22°19	13°23	13°11	4°36	n.a.								
S 12	23 11 11	15°54'36	15°44	10°27	2°44	14°17	14°48	15°23	22°45	28°53	22°19	13°23	13° 8	4°43	n.a.								
M13	23 15 8	16°54'06	0♁17	11°34	3°46	14°57	14°42	15°29	22°43	28°53	22°18	13°23	13° 4	4°49	n.a.								
T 14	23 19 4	17°53'39	14°25	12°39	4°47	15°37	14°37	15°36	22°41	28°52	22°18	13°22	13° 1	4°56	n.a.								
W15	23 23 1	18°53'13	28° 6	13°41	5°47	16°17	14°32	15°42	22°39	28°52	22°18	13°22	12°58	5° 3	n.a.								
T 16	23 26 57	19°52'50	11♁20	14°41	6°48	16°57	14°27	15°49	22°37	28°52	22°17	13°22	12°55	5° 9	n.a.								
F 17	23 30 54	20°52'28	24°10	15°39	7°48	17°38	14°22	15°56	22°35	28°51	22°17	13°D22	12°52	5°16	n.a.								
S 18	23 34 50	21°52'08	6♄39	16°33	8°48	18°18	14°17	16° 2	22°33	28°51	22°16	13°22	12°48	5°23	n.a.								
S 19	23 38 47	22°51'49	18°52	17°24	9°47	18°58	14°12	16° 9	22°31	28°50	22°16	13°23	12°45	5°29	n.a.								
M20	23 42 43	23°51'33	0♁53	18°11	10°46	19°38	14° 8	16°16	22°29	28°50	22°15	13°24	12°42	5°36	n.a.								
T 21	23 46 40	24°51'18	12°45	18°54	11°44	20°18	14° 3	16°23	22°27	28°49	22°15	13°25	12°39	5°43	n.a.								
W22	23 50 37	25°51'06	24°34	19°33	12°42	20°59	13°59	16°29	22°25	28°49	22°14	13°26	12°36	5°49	n.a.								
T 23	23 54 33	26°50'55	6♋21	20° 6	13°40	21°39	13°55	16°36	22°23	28°48	22°13	13°26	12°33	5°56	n.a.								
F 24	23 58 30	27°50'46	18°11	20°34	14°37	22°19	13°52	16°43	22°21	28°48	22°13	13°R26	12°29	6° 3	n.a.								
S 25	0 2 26	28°50'39	0♍Y 4	20°57	15°34	23° 0	13°48	16°50	22°18	28°47	22°12	13°26	12°26	6° 9	n.a.								
S 26	0 6 23	29°50'34	12° 4	21°12	16°30	23°40	13°45	16°57	22°16	28°46	22°12	13°24	12°23	6°16	n.a.								
M27	0 10 19	0♁50'31	24°11	21°20	17°25	24°21	13°41	17° 4	22°14	28°45	22°11	13°22	12°20	6°22	n.a.								
T 28	0 14 16	1°50'31	6♄29	21°R21	18°20	25° 1	13°38	17°11	22°12	28°45	22°10	13°19	12°17	6°29	n.a.								
W29	0 18 12	2°50'32	18°57	21°13	19°15	25°42	13°36	17°18	22° 9	28°44	22°10	13°16	12°14	6°36	n.a.								
T 30	0 22 9	3♁50'36	1♁39	20♁57	20♁ 9	26♍22	13♁33	17♁25	22°Y 7	28♄43	22°B 9	13♋13	12♋10	6♋42	n.a.								

Delta T = 03h07m54s Julian Calendar 1 Sept. 79 BCE == Greg. Calendar 30 Aug. 079 BCE
 The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

OCTOBER 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	0 26 5	4♁50'42	14♁37	20°R31	21♁ 2	27♍ 3	13°R31	17♁32	22°R 5	28°R42	22°R 8	13°R11	12♋ 7	6♋49	n.a.								
S 2	0 30 2	5°50'50	27°52	19♁56	21°55	27°44	13°29	17°39	22°Y 2	28°B 41	22°B 7	13♋10	12° 4	6°56	n.a.								
S 3	0 33 59	6°51'00	11♄26	19°11	22°47	28°25	13°27	17°46	22° 0	28°41	22° 7	13°D10	12° 1	7° 2	n.a.								
M 4	0 37 55	7°51'13	25°20	18°18	23°39	29° 5	13°25	17°53	21°57	28°40	22° 6	13°10	11°58	7° 9	n.a.								
T 5	0 41 52	8°51'28	9♁34	17°16	24°29	29°46	13°23	18° 0	21°55	28°39	22° 5	13°12	11°54	7°16	n.a.								
W 6	0 45 48	9°51'45	24° 8	16° 7	25°19	0♁27	13°22	18° 7	21°53	28°38	22° 4	13°13	11°51	7°22	n.a.								
T 7	0 49 45	10°52'04	8♍56	14°52	26° 9	1° 8	13°21	18°14	21°50	28°37	22° 3	13°R14	11°48	7°29	n.a.								
F 8	0 53 41	11°52'24	23°53	13°35	26°57	1°49	13°20	18°21	21°48	28°36	22° 3	13°14	11°45	7°36	n.a.								
S 9	0 57 38	12°52'47	8♁52	12°15	27°45	2°30	13°19	18°28	21°45	28°35	22° 2	13°12	11°42	7°42	n.a.								
S 10	1 1 34	13°53'12	23°44	10°58	28°32	3°11	13°18	18°35	21°43	28°34	22° 1	13° 9	11°39	7°49	n.a.								
M11	1 5 31	14°53'38	8♁20	9°44	29°17	3°52	13°18	18°42	21°40	28°32	22° 0	13° 4	11°35	7°55	n.a.								
T 12	1 9 28	15°54'06	22°34	8°36	0♁ 2	4°33	13°D18	18°49	21°38	28°31	21°59	12°59	11°32	8° 2	n.a.								
W13	1 13 24	16°54'36	6♁23	7°37	0°47	5°14	13°18	18°56	21°35	28°30	21°58	12°54	11°29	8° 9	n.a.								
T 14	1 17 21	17°55'07	19°44	6°47	1°30	5°55	13°18	19° 3	21°33	28°29	21°57	12°49	11°26	8°15	n.a.								
F 15	1 21 17	18°55'40	2♄39	6° 9	2°11	6°36	13°19	19°10	21°30	28°28	21°56	12°46	11°23	8°22	n.a.								
S 16	1 25 14	19°56'14	15°11	5°41	2°52	7°18	13°19	19°18	21°28	28°26	21°55	12°D45	11°20	8°29	n.a.								
S 17	1 29 10	20°56'49	27°24	5°26	3°32	7°59	13°20	19°25	21°25	28°25	21°54	12°45	11°16	8°35	n.a.								
M18	1 33 7	21°57'26	9♁23	5°D22	4°11	8°40	13°21	19°32	21°23	28°24	21°53	12°46	11°13	8°42	n.a.								
T 19	1 37 3	22°58'04	21°14	5°30	4°48	9°22	13°22	19°39	21°20	28°23	21°52	12°48	11°10	8°49	n.a.								
W20	1 41 0	23°58'43	3♋ 1	5°47	5°24	10° 3	13°24	19°46	21°18	28°21	21°51	12°50	11° 7	8°55	n.a.								
T 21	1 44 57	24°59'23	14°49	6°14	5°58	10°44	13°26	19°53	21°15	28°20	21°50	12°R50	11° 4	9° 2	n.a.								
F 22	1 48 53	26° 0'05	26°41	6°50	6°32	11°26	13°28	20° 0	21°13	28°19	21°49	12°49	11° 0	9° 9	n.a.								
S 23	1 52 50	27° 0'48	8♍Y 42	7°33	7° 3	12° 7	13°30	20° 7	21°10	28°17	21°48	12°46	10°57	9°15	n.a.								
S 24	1 56 46	28° 1'33	20°53	8°23	7°33	12°49	13°32	20°14	21° 8	28°16	21°47	12°40	10°54	9°22	n.a.								
M25	2 0 43	29° 2'18	3♄15	9°20	8° 2	13°30	13°35	20°21	21° 5	28°14	21°46	12°33	10°51	9°29	n.a.								
T 26	2 4 39	0♁ 3'06	15°50	10°21	8°29	14°12	13°37	20°28	21° 3	28°13	21°45	12°24	10°48	9°35	n.a.								
W27	2 8 36	1° 3'54	28°38	11°27	8°54	14°54	13°40	20°35	21° 1	28°11	21°44	12°15	10°45	9°42	n.a.								
T 28	2 12 32	2° 4'45	11♁38	12°37	9°18	15°35	13°43	20°42	20°58	28°10	21°43	12° 6	10°41	9°48	n.a.								
F 29	2 16 29	3° 5'37	24°50	13°51	9°39	16°17	13°47	20°50	20°56	28° 8	21°42	11°59	10°38	9°55	n.a.								
S 30	2 20 26	4° 6'30	8♄14	15° 7	9°59	16°59	13°50	20°56	20°53	28° 7	21°41	11°53	10°35	10° 2	n.a.								
S 31	2 24 22	5♁ 7'25	21♁50	16♁26	10♁17	17♁41	13♁54	21♁ 3	20°Y 51	28♄ 5	21♄40	11♋50	10♋32	10♋ 8	n.a.								

Delta T = 03h07m53s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 79 BCE

NOVEMBER 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
M 1	2 28 19	6♌ 8'21	5♌38	17♌47	10♌33	18♌23	13♌58	21♌10	20°R48	28°R 4	21°R38	11♌50	10♌29	10♌15	n.a.									
T 2	2 32 15	7° 9'18	19°39	19° 9	10°46	19° 5	14° 2	21°17	20°Y46	28♌ 2	21♌37	11°50	10°25	10°22	n.a.									
W 3	2 36 12	8°10'18	3♍53	20°34	10°58	19°47	14° 6	21°24	20°44	28° 1	21°36	11°51	10°22	10°28	n.a.									
T 4	2 40 8	9°11'18	18°17	21°59	11° 7	20°29	14°10	21°31	20°41	27°59	21°35	11°R51	10°19	10°35	n.a.									
F 5	2 44 5	10°12'20	2♌49	23°26	11°14	21°11	14°15	21°38	20°39	27°58	21°34	11°49	10°16	10°42	n.a.									
S 6	2 48 1	11°13'22	17°24	24°54	11°19	21°53	14°20	21°45	20°37	27°56	21°33	11°45	10°13	10°48	n.a.									
S 7	2 51 58	12°14'27	1♌57	26°22	11°21	22°35	14°25	21°52	20°34	27°54	21°32	11°37	10°10	10°55	n.a.									
M 8	2 55 55	13°15'32	16°20	27°51	11°R21	23°17	14°30	21°59	20°32	27°53	21°30	11°28	10° 6	11° 2	n.a.									
T 9	2 59 51	14°16'38	0♌27	29°21	11°19	23°59	14°35	22° 5	20°30	27°51	21°29	11°17	10° 3	11° 8	n.a.									
W10	3 3 48	15°17'45	14°14	0♌51	11°14	24°41	14°41	22°12	20°28	27°49	21°28	11° 6	10° 0	11°15	n.a.									
T11	3 7 44	16°18'52	27°36	2°21	11° 7	25°24	14°47	22°19	20°26	27°48	21°27	10°56	9°57	11°21	n.a.									
F12	3 11 41	17°20'01	10♌33	3°52	10°57	26° 6	14°53	22°25	20°23	27°46	21°26	10°48	9°54	11°28	n.a.									
S13	3 15 37	18°21'10	23° 8	5°24	10°44	26°48	14°59	22°32	20°21	27°44	21°25	10°43	9°51	11°35	n.a.									
S14	3 19 34	19°22'19	5♌23	6°55	10°30	27°31	15° 5	22°39	20°19	27°43	21°24	10°40	9°47	11°41	n.a.									
M15	3 23 30	20°23'28	17°24	8°27	10°12	28°13	15°11	22°45	20°17	27°41	21°22	10°D38	9°44	11°48	n.a.									
T16	3 27 27	21°24'38	29°15	9°59	9°53	28°56	15°18	22°52	20°15	27°39	21°21	10°39	9°41	11°55	n.a.									
W17	3 31 24	22°25'49	11♌ 2	11°31	9°31	29°38	15°25	22°58	20°13	27°38	21°20	10°R39	9°38	12° 1	n.a.									
T18	3 35 20	23°26'59	22°51	13° 3	9° 7	0♌21	15°32	23° 5	20°11	27°36	21°19	10°38	9°35	12° 8	n.a.									
F19	3 39 17	24°28'10	4♌46	14°35	8°40	1° 3	15°39	23°11	20° 9	27°34	21°18	10°36	9°31	12°15	n.a.									
S20	3 43 13	25°29'21	16°53	16° 8	8°12	1°46	15°46	23°18	20° 7	27°33	21°16	10°30	9°28	12°21	n.a.									
S21	3 47 10	26°30'33	29°13	17°41	7°42	2°29	15°53	23°24	20° 5	27°31	21°15	10°22	9°25	12°28	n.a.									
M22	3 51 6	27°31'45	11♌50	19°14	7°10	3°11	16° 1	23°30	20° 3	27°29	21°14	10°11	9°22	12°35	n.a.									
T23	3 55 3	28°32'57	24°44	20°47	6°37	3°54	16° 8	23°37	20° 2	27°27	21°13	9°59	9°19	12°41	n.a.									
W24	3 58 59	29°34'10	7♌54	22°21	6° 3	4°37	16°16	23°43	20° 0	27°26	21°12	9°45	9°16	12°48	n.a.									
T25	4 2 56	0♌35'23	21°19	23°54	5°28	5°20	16°24	23°49	19°58	27°24	21°11	9°32	9°12	12°55	n.a.									
F26	4 6 53	1°36'36	4♌55	25°28	4°52	6° 2	16°33	23°55	19°56	27°22	21°10	9°21	9° 9	13° 1	n.a.									
S27	4 10 49	2°37'50	18°41	27° 2	4°15	6°45	16°41	24° 1	19°55	27°21	21° 8	9°12	9° 6	13° 8	n.a.									
S28	4 14 46	3°39'04	2♌33	28°36	3°39	7°28	16°49	24° 7	19°53	27°19	21° 7	9° 7	9° 3	13°14	n.a.									
M29	4 18 42	4°40'19	16°30	0♌11	3° 2	8°11	16°58	24°13	19°52	27°17	21° 6	9° 4	9° 0	13°21	n.a.									
T30	4 22 39	5♌41'33	0♍30	1♌46	2♌26	8♌54	17° 7	24♌19	19°Y50	27°R16	21°R 5	9°R 3	8°R57	13°R28	n.a.									

Delta T = 03h07m52s Julian Calendar 1 Nov. 79 BCE == Greg. Calendar 30 Oct. 079 BCE
 The year -78 astronomical counting style corresponds to year 079 B.C.E historical counting style.

DECEMBER 79 BCE (-78) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
W 1	4 26 35	6♌42'49	14♍34	3♌21	1°R50	9♌37	17° 15	24♌25	19°R49	27°R14	21°R 4	9°R 3	8°R53	13°R34	n.a.									
T 2	4 30 32	7°44'04	28°41	4°56	1♌15	10°20	17°24	24°31	19°Y47	27°R12	21°R 3	9°R 3	8°50	13°41	n.a.									
F 3	4 34 28	8°45'20	12♌50	6°32	0°41	11° 4	17°34	24°37	19°46	27°11	21° 2	9° 0	8°47	13°48	n.a.									
S 4	4 38 25	9°46'36	26°58	8° 8	0° 9	11°47	17°43	24°42	19°44	27° 9	21° 1	8°54	8°44	13°54	n.a.									
S 5	4 42 22	10°47'53	11♌ 3	9°44	29♌37	12°30	17°52	24°48	19°43	27° 7	20°59	8°46	8°41	14° 1	n.a.									
M 6	4 46 18	11°49'09	25° 1	11°21	29° 8	13°13	18° 2	24°54	19°42	27° 6	20°58	8°34	8°37	14° 8	n.a.									
T 7	4 50 15	12°50'25	8♌47	12°58	28°40	13°57	18°12	24°59	19°40	27° 4	20°57	8°21	8°34	14°14	n.a.									
W 8	4 54 11	13°51'41	22°17	14°36	28°14	14°40	18°21	25° 5	19°39	27° 2	20°56	8° 8	8°31	14°21	n.a.									
T 9	4 58 8	14°52'57	5♌29	16°13	27°51	15°23	18°31	25°10	19°38	27° 1	20°55	7°55	8°28	14°28	n.a.									
F10	5 2 4	15°54'13	18°21	17°52	27°29	16° 7	18°41	25°16	19°37	26°59	20°54	7°45	8°25	14°34	n.a.									
S11	5 6 1	16°55'28	0♌53	19°30	27°10	16°50	18°52	25°21	19°36	26°58	20°53	7°37	8°22	14°41	n.a.									
S12	5 9 58	17°56'42	13° 8	21°10	26°53	17°34	19° 2	25°26	19°35	26°56	20°52	7°32	8°18	14°48	n.a.									
M13	5 13 54	18°57'56	25° 9	22°49	26°39	18°17	19°12	25°31	19°34	26°54	20°51	7°29	8°15	14°54	n.a.									
T14	5 17 51	19°59'09	7♌ 0	24°29	26°27	19° 1	19°23	25°36	19°33	26°53	20°50	7°D29	8°12	15° 1	n.a.									
W15	5 21 47	21° 0'21	18°48	26° 9	26°18	19°44	19°33	25°41	19°32	26°51	20°49	7°R29	8° 9	15° 7	n.a.									
T16	5 25 44	22° 1'33	0♌37	27°50	26°11	20°28	19°44	25°46	19°31	26°50	20°48	7°29	8° 6	15°14	n.a.									
F17	5 29 40	23° 2'43	12°33	29°31	26° 6	21°12	19°55	25°51	19°31	26°48	20°47	7°27	8° 3	15°21	n.a.									
S18	5 33 37	24° 3'53	24°41	1♌13	26°D 4	21°55	20° 6	25°56	19°30	26°47	20°46	7°23	7°59	15°27	n.a.									
S19	5 37 33	25° 5'02	7♌ 6	2°54	26° 5	22°39	20°17	26° 1	19°29	26°45	20°45	7°16	7°56	15°34	n.a.									
M20	5 41 30	26° 6'10	19°51	4°36	26° 7	23°23	20°28	26° 5	19°29	26°44	20°44	7° 7	7°53	15°41	n.a.									
T21	5 45 27	27° 7'17	2♌58	6°19	26°13	24° 6	20°40	26°10	19°28	26°42	20°43	6°56	7°50	15°47	n.a.									
W22	5 49 23	28° 8'23	16°26	8° 1	26°20	24°50	20°51	26°14	19°28	26°41	20°42	6°44	7°47	15°54	n.a.									
T23	5 53 20	29° 9'29	0♌14	9°43	26°30	25°34	21° 2	26°19	19°27	26°40	20°41	6°32	7°43	16° 1	n.a.									
F24	5 57 16	0♌10'34	14°16	11°26	26°42	26°18	21°14	26°23	19°27	26°38	20°41	6°22	7°40	16° 7	n.a.									
S25	6 1 13	1°11'38	28°30	13° 8	26°56	27° 2	21°26	26°28	19°27	26°37	20°40	6°14	7°37	16°14	n.a.									
S26	6 5 9	2°12'41	12♌48	14°49	27°13	27°46	21°37	26°32	19°26	26°36	20°39	6° 9	7°34	16°21	n.a.									
M27	6 9 6	3°13'43	27° 7	16°30	27°31	28°30	21°49	26°36	19°26	26°34	20°38	6° 7	7°31	16°27	n.a.									
T28	6 13 2	4°14'45	11♌23	18°10	27°51	29°14	22° 1	26°40	19°26	26°33	20°37	6°D 7	7°28	16°34	n.a.									
W29	6 16 59	5°15'46	25°33	19°50	28°14	29°58	22°13	26°44	19°26	26°32	20°36													