

SWISS EPHEMERIS for the year 1888

JANUARY 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	6 40 21	10♌ 3'31	0♋ 6	29♊39	25♋31	12♉40	27♋31	4°R51	17♉ 3	27°R38	3°R24	9°R50	11♋15	26°V 2	28°R38
M 2	6 44 18	11° 4'40	13°30	1♋12	26°40	13° 7	27°43	4♋47	17° 4	27♌37	3♋23	9°D50	11°12	26° 9	28♋34
T 3	6 48 14	12° 5'49	27° 5	2°45	27°49	13°34	27°54	4°42	17° 5	27°36	3°23	9♋50	11° 9	26°16	28°30
W 4	6 52 11	13° 6'58	10♎50	4°18	28°59	14° 1	28° 5	4°38	17° 6	27°35	3°22	9°52	11° 5	26°22	28°26
T 5	6 56 7	14° 8'07	24°44	5°52	0♌ 8	14°28	28°16	4°34	17° 7	27°34	3°21	9°53	11° 2	26°29	28°22
F 6	7 0 4	15° 9'17	8♌46	7°26	1°18	14°54	28°27	4°29	17° 8	27°33	3°20	9°R54	10°59	26°36	28°19
S 7	7 4 1	16°10'26	22°55	9° 1	2°28	15°21	28°38	4°25	17° 9	27°32	3°19	9°54	10°56	26°43	28°15
S 8	7 7 57	17°11'36	7♋ 9	10°35	3°37	15°47	28°49	4°20	17° 9	27°31	3°19	9°53	10°53	26°49	28°11
M 9	7 11 54	18°12'45	21°26	12°11	4°47	16°12	29° 0	4°15	17°10	27°30	3°18	9°51	10°50	26°56	28° 7
T 10	7 15 50	19°13'55	5♌43	13°47	5°58	16°38	29°11	4°11	17°11	27°29	3°17	9°48	10°46	27° 3	28° 4
W 11	7 19 47	20°15'05	19°54	15°23	7° 8	17° 3	29°21	4° 6	17°12	27°28	3°16	9°45	10°43	27°10	28° 0
T 12	7 23 43	21°16'15	3♌56	17° 0	8°18	17°28	29°32	4° 1	17°12	27°27	3°16	9°43	10°40	27°16	27°57
F 13	7 27 40	22°17'24	17°45	18°37	9°29	17°53	29°42	3°57	17°13	27°26	3°15	9°41	10°37	27°23	27°53
S 14	7 31 36	23°18'33	1♌17	20°14	10°39	18°17	29°53	3°52	17°13	27°26	3°14	9°40	10°34	27°30	27°50
S 15	7 35 33	24°19'41	14°30	21°53	11°50	18°41	0♌ 3	3°47	17°14	27°25	3°13	9°D40	10°31	27°36	27°46
M 16	7 39 30	25°20'49	27°24	23°31	13° 1	19° 5	0°13	3°42	17°14	27°24	3°13	9°40	10°27	27°43	27°43
T 17	7 43 26	26°21'55	10♋ 0	25°10	14°12	19°29	0°23	3°37	17°14	27°23	3°12	9°41	10°24	27°50	27°40
W 18	7 47 23	27°23'02	22°19	26°50	15°23	19°52	0°33	3°32	17°14	27°23	3°12	9°43	10°21	27°57	27°36
T 19	7 51 19	28°24'07	4♌26	28°30	16°34	20°15	0°43	3°28	17°15	27°22	3°11	9°44	10°18	28° 3	27°33
F 20	7 55 16	29°25'11	16°23	0♌11	17°45	20°38	0°52	3°23	17°15	27°21	3°10	9°45	10°15	28°10	27°30
S 21	7 59 12	0♌26'15	28°16	1°53	18°56	21° 1	1° 2	3°18	17°15	27°21	3°10	9°R45	10°11	28°17	27°27
S 22	8 3 9	1°27'17	10♌ 8	3°35	20° 7	21°23	1°11	3°13	17°R15	27°20	3° 9	9°45	10° 8	28°23	27°24
M 23	8 7 5	2°28'19	22° 6	5°17	21°19	21°44	1°21	3° 8	17°15	27°20	3° 9	9°44	10° 5	28°30	27°21
T 24	8 11 2	3°29'19	4♋14	7° 0	22°30	22° 6	1°30	3° 3	17°15	27°19	3° 8	9°44	10° 2	28°37	27°18
W 25	8 14 59	4°30'19	16°34	8°44	23°42	22°27	1°39	2°58	17°15	27°19	3° 8	9°43	9°59	28°44	27°15
T 26	8 18 55	5°31'17	29°11	10°28	24°53	22°48	1°48	2°53	17°14	27°18	3° 7	9°42	9°56	28°50	27°12
F 27	8 22 52	6°32'14	12♌ 7	12°13	26° 5	23° 8	1°57	2°48	17°14	27°18	3° 7	9°42	9°52	28°57	27° 9
S 28	8 26 48	7°33'11	25°22	13°58	27°17	23°28	2° 6	2°43	17°14	27°18	3° 7	9°42	9°49	29° 4	27° 7
S 29	8 30 45	8°34'06	8♋56	15°43	28°29	23°48	2°15	2°38	17°13	27°17	3° 6	9°D42	9°46	29°11	27° 4
M 30	8 34 41	9°35'00	22°46	17°29	29°40	24° 7	2°23	2°33	17°13	27°17	3° 6	9°R42	9°43	29°17	27° 1
T 31	8 38 38	10♌35'53	6♎50	19♌15	0♌52	24♉26	2♌32	2♋29	17♉13	27♌17	3♋ 5	9♋42	9♋40	29♌24	26♋59

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 4	19n16	0s53	24s16	0s49	16s32	2n42	3s 4	2n 7	18s46	0n53	19n30	0n28	6s 5	0n40
M 2	22 59	17 6	0n20	24 21	0 55	16 49	2 41	3 14	2 7	18 48	0 53	19 32	0 28	6 6	0 40
T 3	22 54	13 57	1 33	24 26	1 11	17 5	2 40	3 24	2 8	18 51	0 53	19 33	0 28	6 6	0 40
W 4	22 48	10 0	2 42	24 29	1 6	17 22	2 39	3 34	2 8	18 53	0 53	19 34	0 28	6 6	0 40
T 5	22 42	5 30	3 42	24 31	1 12	17 38	2 37	3 43	2 9	18 56	0 53	19 35	0 28	6 7	0 40
F 6	22 35	0 39	4 29	24 32	1 17	17 53	2 36	3 53	2 10	18 58	0 53	19 36	0 28	6 7	0 40
S 7	22 28	4s15	5 1	24 31	1 22	18 8	2 34	4 2	2 10	19 1	0 53	19 38	0 28	6 7	0 40
S 8	22 21	8 57	5 14	24 29	1 27	18 23	2 33	4 12	2 11	19 3	0 53	19 39	0 28	6 8	0 40
M 9	22 13	13 10	5 8	24 25	1 32	18 38	2 31	4 21	2 12	19 5	0 53	19 40	0 29	6 8	0 40
T 10	22 4 16	37 4	4 43	24 20	1 36	18 52	2 29	4 30	2 12	19 7	0 53	19 41	0 29	6 8	0 40
W 11	21 55	19 4	4 1	24 13	1 40	19 6	2 27	4 39	2 13	19 10	0 53	19 42	0 29	6 8	0 40
T 12	21 46	20 19	3 5	24 6	1 44	19 19	2 25	4 48	2 13	19 12	0 53	19 44	0 29	6 9	0 40
F 13	21 36	20 19	1 58	23 56	1 48	19 31	2 23	4 57	2 14	19 14	0 53	19 45	0 29	6 9	0 40
S 14	21 26	19 8	0 46	23 45	1 51	19 44	2 21	5 6	2 15	19 16	0 53	19 46	0 29	6 9	0 40
S 15	21 16	16 55	0s27	23 33	1 54	19 56	2 19	5 15	2 15	19 18	0 53	19 47	0 29	6 9	0 40
M 16	21 5 13	53 13	1 37	23 19	1 57	20 7	2 16	5 23	2 16	19 20	0 53	19 49	0 29	6 9	0 40
T 17	20 53	10 18	2 40	23 4	1 59	20 18	2 14	5 31	2 16	19 22	0 53	19 50	0 29	6 9	0 40
W 18	20 42	6 20	3 35	22 47	2 1	20 28	2 12	5 40	2 17	19 24	0 53	19 51	0 30	6 9	0 40
T 19	20 30	2 12	4 19	22 28	2 3	20 38	2 9	5 48	2 18	19 26	0 53	19 52	0 30	6 9	0 40
F 20	20 17	1n58	4 51	22 8	2 4	20 47	2 6	5 56	2 18	19 28	0 53	19 54	0 30	6 9	0 40
S 21	20 4 6	1 5	5 11	21 47	2 5	20 56	2 4	6 3	2 19	19 30	0 53	19 55	0 30	6 9	0 40
S 22	19 51	9 51	5 17	21 23	2 5	21 4	2 1	6 11	2 20	19 32	0 54	19 56	0 30	6 9	0 40
M 23	19 37	13 19	5 10	20 59	2 5	21 12	1 58	6 19	2 20	19 34	0 54	19 57	0 30	6 9	0 40
T 24	19 23	16 16	4 49	20 32	2 5	21 19	1 56	6 26	2 21	19 36	0 54	19 59	0 30	6 9	0 40
W 25	19 9 18	34 4	4 14	20 5	2 4	21 26	1 53	6 33	2 21	19 38	0 54	20 0	0 30	6 9	0 41
T 26	18 54	20 1	3 26	19 35	2 3	21 31	1 50	6 40	2 22	19 39	0 54	20 1	0 30	6 9	0 41
F 27	18 39	20 27	2 27	19 4	2 1	21 37	1 47	6 47	2 23	19 41	0 54	20 2	0 31	6 9	0 41
S 28	18 24	19 47	1 19	18 32	1 58	21 42	1 44	6 54	2 23	19 43	0 54	20 4	0 31	6 9	0 41
S 29	18 8 17	58 0	4 17	58 1	55 21	46 1	41 7	7 1	2 24	19 44	0 54	20 5	0 31	6 9	0 41
M 30	17 52	15 4	1n12	17 23	1 52	21 49	1 38	7 7	2 24	19 46	0 54	20 6	0 31	6 8	0 41
T 31	17s35	11n15	2n25	16s46	1s48	21s52	1n35	7s14	2n25	19s48	0n54	20n 7	0n31	6s 8	0n41

Julian Day Number = 2410637.5, Delta T = -5.88 sec  
 Ecliptic obliquity = 23°27'07, Nutation = -0°00'13  
 Ayanamsha: Fagan/Bradley = 23°10'35, Lahiri = 22°17'35

SWISS EPHEMERIS for the year 1888

FEBRUARY 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	8 42 34	11 <sup>h</sup> 36'46"	21 <sup>m</sup> 3	21 <sup>°</sup> 1	2 <sup>°</sup> 3	24 <sup>h</sup> 45	2 <sup>h</sup> 40	2°R24	17°R12	27°R17	3°R 5	9°R41	9 <sup>h</sup> 37	29 <sup>h</sup> 31	26°R57								
T 2	8 46 31	12°37'37"	5 <sup>h</sup> 22	22°47	3°16	25° 3	2°48	2 <sup>h</sup> 19	17 <sup>h</sup> 11	27 <sup>h</sup> 16	3 <sup>h</sup> 4	9 <sup>h</sup> 41	9°33	29°37	26 <sup>h</sup> 54								
F 3	8 50 28	13°38'27"	19°41	24°33	4°29	25°21	2°56	2°14	17°11	27°16	3° 4	9°41	9°30	29°44	26°52								
S 4	8 54 24	14°39'17"	3 <sup>h</sup> 59	26°18	5°41	25°38	3° 4	2° 9	17°10	27°16	3° 4	9°41	9°27	29°51	26°50								
S 5	8 58 21	15°40'06"	18°10	28° 3	6°53	25°55	3°12	2° 5	17° 9	27°16	3° 4	9°D40	9°24	29°58	26°47								
M 6	9 2 17	16°40'54"	2 <sup>h</sup> 14	29°47	8° 5	26°12	3°20	2° 0	17° 9	27°16	3° 4	9°41	9°21	0 <sup>h</sup> 4	26°45								
T 7	9 6 14	17°41'41"	16° 9	1 <sup>h</sup> 30	9°18	26°28	3°27	1°55	17° 8	27°D16	3° 3	9°41	9°17	0°11	26°43								
W 8	9 10 10	18°42'27"	29°53	3°12	10°30	26°43	3°35	1°51	17° 7	27°16	3° 3	9°42	9°14	0°18	26°42								
T 9	9 14 7	19°43'12"	13 <sup>h</sup> 26	4°51	11°42	26°58	3°42	1°46	17° 6	27°16	3° 3	9°43	9°11	0°24	26°40								
F 10	9 18 3	20°43'56"	26°47	6°28	12°55	27°13	3°49	1°42	17° 5	27°16	3° 3	9°44	9° 8	0°31	26°38								
S 11	9 22 0	21°44'38"	9 <sup>h</sup> 55	8° 3	14° 8	27°27	3°56	1°37	17° 4	27°16	3° 3	9°R44	9° 5	0°38	26°36								
S 12	9 25 57	22°45'19"	22°49	9°34	15°20	27°41	4° 3	1°33	17° 3	27°17	3° 3	9°44	9° 2	0°45	26°35								
M13	9 29 53	23°45'59"	5 <sup>h</sup> 30	11° 0	16°33	27°54	4°10	1°28	17° 1	27°17	3° 3	9°42	8°58	0°51	26°33								
T 14	9 33 50	24°46'37"	17°57	12°23	17°45	28° 6	4°16	1°24	17° 0	27°17	3° 3	9°41	8°55	0°58	26°32								
W15	9 37 46	25°47'14"	0 <sup>h</sup> 12	13°39	18°58	28°19	4°23	1°20	16°59	27°17	3° 3	9°38	8°52	1° 5	26°30								
T 16	9 41 43	26°47'49"	12°17	14°50	20°11	28°30	4°29	1°15	16°58	27°18	3°D 3	9°35	8°49	1°11	26°29								
F 17	9 45 39	27°48'22"	24°14	15°54	21°23	28°41	4°35	1°11	16°56	27°18	3° 3	9°33	8°46	1°18	26°28								
S 18	9 49 36	28°48'53"	6 <sup>h</sup> 7	16°51	22°36	28°51	4°41	1° 7	16°55	27°18	3° 3	9°30	8°42	1°25	26°27								
S 19	9 53 32	29°49'23"	17°59	17°39	23°49	29° 1	4°47	1° 3	16°53	27°19	3° 3	9°29	8°39	1°32	26°26								
M20	9 57 29	0 <sup>h</sup> 49'51"	29°55	18°19	25° 2	29°10	4°52	0°59	16°52	27°19	3° 3	9°D28	8°36	1°38	26°25								
T 21	10 1 26	1°50'17"	12 <sup>h</sup> 0	18°49	26°15	29°19	4°58	0°55	16°50	27°20	3° 3	9°29	8°33	1°45	26°24								
W22	10 5 22	2°50'41"	24°18	19°10	27°28	29°27	5° 3	0°51	16°49	27°20	3° 3	9°30	8°30	1°52	26°23								
T 23	10 9 19	3°51'03"	6 <sup>h</sup> 55	19°21	28°40	29°35	5° 8	0°48	16°47	27°21	3° 3	9°32	8°27	1°59	26°22								
F 24	10 13 15	4°51'23"	19°53	19°R23	29°53	29°41	5°13	0°44	16°46	27°21	3° 3	9°33	8°23	2° 5	26°22								
S 25	10 17 12	5°51'42"	3 <sup>h</sup> 14	19°14	1 <sup>h</sup> 6	29°48	5°18	0°41	16°44	27°22	3° 3	9°R34	8°20	2°12	26°21								
S 26	10 21 8	6°51'58"	17° 1	18°56	2°19	29°53	5°23	0°37	16°42	27°22	3° 4	9°34	8°17	2°19	26°21								
M27	10 25 5	7°52'13"	1 <sup>h</sup> 11	18°29	3°32	29°58	5°27	0°34	16°40	27°23	3° 4	9°33	8°14	2°25	26°21								
T 28	10 29 1	8°52'25"	15°40	17°53	4°45	0 <sup>h</sup> 2	5°32	0°30	16°38	27°24	3° 4	9°30	8°11	2°32	26°20								
W29	10 32 58	9 <sup>h</sup> 52'36"	0 <sup>h</sup> 23	17 <sup>h</sup> 10	5 <sup>h</sup> 58	0 <sup>h</sup> 6	5 <sup>h</sup> 36	0 <sup>h</sup> 27	16°37	27°25	3 <sup>h</sup> 4	9°26	8° 8	2 <sup>h</sup> 39	26 <sup>h</sup> 20								

Day	☉		☽		♀		♁		♂		♃		♄		♅		♆		♇		♈		♉		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓	
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
W 1	17s19	6n46	3n30	16s 8	1s43	21s55	1n31	7s20	2n26	19s49	0n54	20n 8	0n31	6s 8	0n41	17n54	1s42	8n41	12s19	17n50	17n51	6n34	16n53	6s32																				
T 2	17 2 1 53	4 22	15 28	1 38	21 57	1 28	7 26	2 26	19 51	0 54	20 10	0 31	6 8	0 41	17 54	1 42	8 41	12 19	17 50	17 52	6 36	16 53	6 32																					
F 3	16 44 3s 6	4 58	14 47	1 32	21 58	1 25	7 32	2 27	19 52	0 54	20 11	0 31	6 7	0 41	17 54	1 42	8 41	12 19	17 50	17 53	6 38	16 53	6 32																					
S 4	16 27 7 54	5 16	14 5	1 25	21 58	1 22	7 37	2 28	19 54	0 54	20 12	0 31	6 7	0 41	17 54	1 42	8 42	12 18	17 50	17 54	6 40	16 54	6 31																					
S 5	16 9 12 13	5 14	13 22	1 18	21 58	1 18	7 43	2 28	19 55	0 55	20 13	0 31	6 7	0 41	17 54	1 42	8 42	12 18	17 50	17 55	6 42	16 54	6 31																					
M 6	15 51 15 50	4 53	12 38	1 10	21 57	1 15	7 48	2 29	19 56	0 55	20 14	0 31	6 6	0 41	17 54	1 42	8 42	12 18	17 50	17 56	6 45	16 54	6 31																					
T 7	15 32 18 30	4 15	11 53	1 1	21 56	1 12	7 54	2 29	19 58	0 55	20 15	0 32	6 6	0 41	17 54	1 42	8 42	12 17	17 50	17 56	6 47	16 54	6 30																					
W 8	15 14 20 4	3 23	11 8	0 51	21 54	1 8	7 59	2 30	19 59	0 55	20 16	0 32	6 6	0 41	17 54	1 42	8 43	12 17	17 50	17 57	6 49	16 55	6 30																					
T 9	14 55 20 27	2 21	10 22	0 41	21 51	1 5	8 4	2 30	20 0	0 55	20 18	0 32	6 5	0 41	17 54	1 42	8 43	12 17	17 50	17 58	6 51	16 55	6 30																					
F 10	14 35 19 39	1 11	9 36	0 30	21 48	1 2	8 8	2 31	20 2	0 55	20 19	0 32	6 5	0 41	17 55	1 42	8 43	12 17	17 49	17 59	6 53	16 55	6 29																					
S 11	14 16 17 47	0s 1	8 50	0 18	21 44	0 58	8 13	2 32	20 3	0 55	20 20	0 32	6 4	0 41	17 55	1 42	8 43	12 16	17 49	18 0	6 56	16 56	6 29																					
S 12	13 56 15 3	1 12	8 4	0 6	21 40	0 55	8 17	2 32	20 4	0 55	20 21	0 32	6 4	0 41	17 55	1 42	8 44	12 16	17 49	18 1	6 58	16 56	6 28																					
M13	13 36 11 38	2 18	7 19	0n 8	21 34	0 52	8 21	2 33	20 5	0 55	20 22	0 32	6 4	0 41	17 55	1 42	8 44	12 16	17 50	18 1	7 0	16 57	6 28																					
T 14	13 16 7 46	3 16	6 36	0 21	21 29	0 48	8 25	2 33	20 6	0 55	20 23	0 32	6 3	0 41	17 55	1 41	8 44	12 15	17 50	18 2	7 2	16 57	6 28																					
W15	12 56 3 39	4 4	5 53	0 36	21 22	0 45	8 29	2 34	20 7	0 55	20 24	0 32	6 3	0 41	17 55	1 41	8 44	12 15	17 51	18 3	7 4	16 57	6 27																					
T 16	12 35 0n33	4 40	5 12	0 50	21 15	0 41	8 33	2 34	20 8	0 55	20 25	0 32	6 2	0 41	17 55	1 41	8 45	12 15	17 52	18 4	7 7	16 58	6 27																					
F 17	12 15 4 41	5 4	4 33	1 6	21 7	0 38	8 36	2 35	20 9	0 56	20 26	0 32	6 1	0 41	17 55	1 41	8 45	12 15	17 52	18 5	7 9	16 58	6 26																					
S 18	11 54 8 37	5 15	3 57	1 21	20 59	0 35	8 39	2 35	20 10	0 56	20 27	0 32	6 1	0 41	17 56	1 41	8 45	12 14	17 53	18 6	7 11	16 58	6 26																					
S 19	11 32 12 12	5 12	3 24	1 36	20 50	0 31	8 42	2 36	20 11	0 56	20 28	0 33	6 0	0 41	17 56	1 41	8 46	12 14	17 53	18 6	7 13	16 59	6 26																					
M20	11 11 15 20	4 55	2 55	1 52	20 41	0 28	8 45	2 36	20 12	0 56	20 29	0 33	6 0	0 41	17 56	1 41	8 46	12 14	17 54	18 7	7 15	16 59	6 25																					
T 21	10 50 17 51	4 26	2 29	2 7	20 31	0 25	8 48	2 37	20 13	0 56	20 30	0 33	5 59	0 41	17 56	1 41	8 46	12 13	17 53	18 8	7 17	17 0	6 25																					
W22	10 28 19 36	3 44	2 7	2 22	20 20	0 21	8 50	2 37	20 14	0 56	20 31	0 33	5 58	0 41	17 56	1 41	8 47	12 13	17 53	18 9	7 20	17 0	6 24																					
T 23	10 6 20 27	2 50	1 49	2 36	20 9	0 18	8 52	2 38	20 15	0 56	20 31	0 33	5 58	0 41	17 56	1 41	8 47	12 13	17 53	18 10	7 22	17 0	6 24																					
F 24	9 44 20 14	1 46	1 37	2 49	19 57	0 15	8 54	2 38	20 16	0 56	20 32	0 33	5 57	0 41	17 57	1 41	8 47	12 12	17 52	18 11	7 24	17 1	6 23																					
S 25	9 22 18 53	0 35	1 29	3 2	19 44	0 11	8 56	2 38	20 16	0 56	20 33	0 33	5 57	0 41	17 57	1 41	8 48	12 12	17 52	18 11	7 26	17 1	6 23																					
S 26	9 0 16 23	0n41	1 26	3 13	19 31	0 8	8 57	2 39	20 17	0 56	20 34	0 33	5 56	0 41	17 57	1 41	8 48	12 12	17 52	18 12	7 28	17 2	6 23																					
M27	8 37 12 52	1 56	1 27	3 22	19 18	0 5	8 59	2 39	20 18	0 56	20 35	0 33	5 55	0 41	17 57	1 41	8 48	12 12	17 52	18 13	7 31	17 2	6 22																					
T 28	8 15 8 29	3 5	1 34	3 30	19 3	0 2	9 0	2 40	20 19	0 57	20 36	0 33	5 54	0 41	17 57	1 41	8 49	12 11	17 53	18 14	7 33	17 3	6 22																					
W2																																												

SWISS EPHEMERIS for the year 1888

MARCH 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁	♁
T 1	10 36 55	10 <sup>h</sup> 52'45"	15 <sup>h</sup> 11'	16°R21	7 <sup>h</sup> 11'	0 <sup>h</sup> 09'	5 <sup>h</sup> 40'	0°R24	16°R35	27 <sup>h</sup> 25'	3 <sup>h</sup> 05'	9°R21	8 <sup>h</sup> 04'	2 <sup>h</sup> 46'	26°D20	
F 2	10 40 51	11°52'53"	29°57'	15 <sup>h</sup> 26'	8°25'	0°11'	5°43'	0°R21	16 <sup>h</sup> 33'	27°26'	3° 5'	9°R17	8° 1'	2°52'	26 <sup>h</sup> 20'	
S 3	10 44 48	12°52'59"	14 <sup>h</sup> 34'	14°28'	9°38'	0°12'	5°47'	0°18'	16°31'	27°27'	3° 5'	9°13'	7°58'	2°59'	26°20'	
S 4	10 48 44	13°53'03"	28°57'	13°27'	10°51'	0°R13	5°51'	0°15'	16°29'	27°28'	3° 6'	9°10'	7°55'	3° 6'	26°20'	
M 5	10 52 41	14°53'06"	13 <sup>h</sup> 27'	12°26'	12° 4'	0°13'	5°54'	0°12'	16°27'	27°29'	3° 6'	9°D 9'	7°52'	3°13'	26°21'	
T 6	10 56 37	15°53'08"	26°49'	11°25'	13°17'	0°12'	5°57'	0° 9'	16°25'	27°30'	3° 6'	9°10'	7°48'	3°19'	26°21'	
W 7	11 0 34	16°53'08"	10 <sup>h</sup> 31'	10°27'	14°30'	0°11'	6° 0'	0° 7'	16°23'	27°31'	3° 7'	9°11'	7°45'	3°26'	26°21'	
T 8	11 4 30	17°53'06"	23°31'	9°31'	15°44'	0° 8'	6° 3'	0° 4'	16°20'	27°32'	3° 7'	9°13'	7°42'	3°33'	26°22'	
F 9	11 8 27	18°53'02"	6 <sup>h</sup> 29'	8°39'	16°57'	0° 5'	6° 5'	0° 2'	16°18'	27°33'	3° 8'	9°R13	7°39'	3°39'	26°23'	
S 10	11 12 24	19°52'57"	19°14'	7°53'	18°10'	0° 1'	6° 8'	29 <sup>h</sup> 59'	16°16'	27°34'	3° 8'	9°13'	7°36'	3°46'	26°23'	
S 11	11 16 20	20°52'50"	1 <sup>h</sup> 48'	7°12'	19°23'	29 <sup>h</sup> 57'	6°10'	29°57'	16°14'	27°35'	3° 9'	9°11'	7°33'	3°53'	26°24'	
M12	11 20 17	21°52'41"	14°12'	6°36'	20°37'	29°51'	6°12'	29°55'	16°12'	27°36'	3° 9'	9° 6'	7°29'	4° 0'	26°25'	
T 13	11 24 13	22°52'30"	26°27'	6° 7'	21°50'	29°45'	6°14'	29°53'	16° 9'	27°37'	3°10'	8°59'	7°26'	4° 6'	26°26'	
W14	11 28 10	23°52'17"	8 <sup>h</sup> 34'	5°45'	23° 3'	29°38'	6°15'	29°51'	16° 7'	27°38'	3°10'	8°51'	7°23'	4°13'	26°27'	
T 15	11 32 6	24°52'02"	20°34'	5°28'	24°17'	29°31'	6°17'	29°50'	16° 5'	27°39'	3°11'	8°42'	7°20'	4°20'	26°28'	
F 16	11 36 3	25°51'45"	2 <sup>h</sup> 29'	5°19'	25°30'	29°22'	6°18'	29°48'	16° 2'	27°41'	3°12'	8°33'	7°17'	4°26'	26°29'	
S 17	11 39 59	26°51'26"	14°20'	5°D15	26°43'	29°13'	6°19'	29°46'	16° 0'	27°42'	3°12'	8°25'	7°14'	4°33'	26°30'	
S 18	11 43 56	27°51'04"	26°12'	5°17'	27°57'	29° 3'	6°20'	29°45'	15°57'	27°43'	3°13'	8°18'	7°10'	4°40'	26°32'	
M19	11 47 52	28°50'40"	8 <sup>h</sup> 11'	5°25'	29°10'	28°52'	6°21'	29°43'	15°55'	27°45'	3°13'	8°14'	7° 7'	4°47'	26°33'	
T 20	11 51 49	29°50'15"	20° 9'	5°39'	0 <sup>h</sup> 23'	28°41'	6°21'	29°42'	15°53'	27°46'	3°14'	8°11'	7° 4'	4°53'	26°35'	
W21	11 55 46	0 <sup>h</sup> 49'46"	2 <sup>h</sup> 23'	5°57'	1°37'	28°28'	6°21'	29°41'	15°50'	27°47'	3°15'	8°D11'	7° 1'	5° 0'	26°36'	
T 22	11 59 42	1°49'16"	14°54'	6°21'	2°50'	28°15'	6°R22	29°40'	15°48'	27°49'	3°16'	8°11'	6°58'	5° 7'	26°38'	
F 23	12 3 39	2°48'43"	27°47'	6°49'	4° 3'	28° 2'	6°22'	29°39'	15°45'	27°50'	3°16'	8°12'	6°54'	5°14'	26°40'	
S 24	12 7 35	3°48'08"	11 <sup>h</sup> 06'	7°22'	5°17'	27°47'	6°21'	29°38'	15°43'	27°52'	3°17'	8°R13	6°51'	5°20'	26°42'	
S 25	12 11 32	4°47'31"	24°54'	7°59'	6°30'	27°32'	6°21'	29°37'	15°40'	27°53'	3°18'	8°11'	6°48'	5°27'	26°44'	
M26	12 15 28	5°46'51"	9 <sup>h</sup> 10'	8°40'	7°44'	27°16'	6°20'	29°37'	15°38'	27°55'	3°19'	8° 8'	6°45'	5°34'	26°46'	
T 27	12 19 25	6°46'09"	23°51'	9°25'	8°57'	27° 0'	6°20'	29°36'	15°35'	27°56'	3°19'	8° 2'	6°42'	5°40'	26°48'	
W28	12 23 21	7°45'25"	8 <sup>h</sup> 52'	10°13'	10°10'	26°43'	6°19'	29°36'	15°33'	27°58'	3°20'	7°54'	6°39'	5°47'	26°50'	
T 29	12 27 18	8°44'38"	24° 2'	11° 4'	11°24'	26°25'	6°17'	29°36'	15°30'	27°59'	3°21'	7°45'	6°35'	5°54'	26°52'	
F 30	12 31 15	9°43'50"	9 <sup>h</sup> 13'	11°59'	12°37'	26° 7'	6°16'	29°35'	15°27'	28° 1'	3°22'	7°36'	6°32'	6° 1'	26°55'	
S 31	12 35 11	10 <sup>h</sup> 43'00"	24 <sup>h</sup> 13'	12 <sup>h</sup> 56'	13 <sup>h</sup> 51'	25 <sup>h</sup> 48'	6 <sup>h</sup> 15'	29°D35	15 <sup>h</sup> 25'	28 <sup>h</sup> 3'	3 <sup>h</sup> 23'	7 <sup>h</sup> 28'	6 <sup>h</sup> 29'	6 <sup>h</sup> 7'	26 <sup>h</sup> 57'	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁	♁	♁								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	7s29	1s36	4n45	2s 1	3n40	18s34	0s 5	9s 2	2n40	20s20	0n57	20n37	0n33	5s53	0n41	17n58	1s40	8n49	12s11	17n55	18n16	7n37	17n 3	6s21
F 2	7 7	6 39	5 8	2 20	3 42	18 18	0 8	9 2	2 40	20 20	0 57	20 38	0 33	5 52	0 41	17 58	1 40	8 50	12 10	17 57	18 16	7 39	17 4	6 20
S 3	6 44	11 16	5 10	2 43	3 42	18 1	0 11	9 2	2 41	20 21	0 57	20 39	0 33	5 51	0 42	17 58	1 40	8 50	12 10	17 58	18 17	7 41	17 4	6 20
S 4	6 21	15 9	4 54	3 8	3 39	17 45	0 14	9 2	2 41	20 21	0 57	20 39	0 33	5 51	0 42	17 59	1 40	8 50	12 10	17 58	18 18	7 44	17 5	6 19
M 5	5 57	18 5	4 19	3 35	3 35	17 27	0 17	9 2	2 41	20 22	0 57	20 40	0 34	5 50	0 42	17 59	1 40	8 51	12 10	17 59	18 19	7 46	17 5	6 19
T 6	5 34	19 55	3 30	4 4	3 28	17 9	0 20	9 2	2 41	20 22	0 57	20 40	0 34	5 49	0 42	17 59	1 40	8 51	12 9	17 58	18 20	7 48	17 6	6 19
W 7	5 11	20 33	2 31	4 34	3 20	16 51	0 23	9 1	2 41	20 23	0 57	20 41	0 34	5 48	0 42	17 59	1 40	8 51	12 9	17 58	18 20	7 50	17 6	6 18
T 8	4 47	20 1	1 24	5 4	3 10	16 32	0 26	9 0	2 42	20 23	0 57	20 42	0 34	5 47	0 42	18 0	1 40	8 52	12 9	17 58	18 21	7 52	17 7	6 18
F 9	4 24	18 25	0 15	5 33	2 59	16 13	0 29	8 59	2 42	20 23	0 58	20 42	0 34	5 46	0 42	18 0	1 40	8 52	12 8	17 57	18 22	7 55	17 7	6 17
S 10	4 1	15 55	0s54	6 2	2 47	15 53	0 31	8 58	2 42	20 24	0 58	20 43	0 34	5 46	0 42	18 0	1 40	8 52	12 8	17 58	18 23	7 57	17 8	6 17
S 11	3 37	12 42	1 59	6 30	2 34	15 33	0 34	8 56	2 42	20 24	0 58	20 43	0 34	5 45	0 42	18 1	1 40	8 53	12 8	17 58	18 24	7 59	17 8	6 16
M12	3 13	8 57	2 58	6 55	2 20	15 13	0 37	8 54	2 42	20 24	0 58	20 44	0 34	5 44	0 42	18 1	1 40	8 53	12 8	17 59	18 25	8 1	17 9	6 16
T 13	2 50	4 53	3 47	7 19	2 6	14 52	0 39	8 52	2 41	20 25	0 58	20 44	0 34	5 43	0 42	18 1	1 40	8 53	12 7	18 1	18 25	8 3	17 9	6 15
W14	2 26	0 40	4 26	7 41	1 51	14 30	0 42	8 50	2 41	20 25	0 58	20 45	0 34	5 42	0 42	18 1	1 40	8 54	12 7	18 3	18 26	8 5	17 10	6 15
T 15	2 2	3n31	4 52	8 1	1 36	14 8	0 45	8 48	2 41	20 25	0 58	20 45	0 34	5 41	0 42	18 2	1 40	8 54	12 7	18 6	18 27	8 8	17 10	6 14
F 16	1 39	7 33	5 5	8 19	1 21	13 46	0 47	8 45	2 41	20 25	0 58	20 46	0 34	5 40	0 42	18 2	1 40	8 55	12 7	18 8	18 28	8 10	17 10	6 14
S 17	1 15	11 17	5 5	8 34	1 7	13 23	0 50	8 42	2 41	20 25	0 58	20 46	0 34	5 39	0 42	18 2	1 40	8 55	12 6	18 10	18 29	8 12	17 11	6 14
S 18	0 51	14 34	4 52	8 46	0 52	13 0	0 52	8 39	2 40	20 25	0 58	20 46	0 34	5 38	0 42	18 3	1 39	8 55	12 6	18 12	18 29	8 14	17 11	6 13
M19	0 28	17 17	4 27	8 57	0 38	12 37	0 54	8 35	2 40	20 25	0 58	20 47	0 34	5 37	0 42	18 3	1 39	8 56	12 6	18 13	18 30	8 16	17 12	6 13
T 20	0 4	19 17	3 49	9 5	0 24	12 13	0 57	8 31	2 39	20 25	0 59	20 47	0 34	5 37	0 42	18 4	1 39	8 56	12 5	18 14	18 31	8 19	17 12	6 12
W21	0n20	20 26	3 0	9 10	0 10	11 49	0 59	8 28	2 39	20 25	0 59	20 47	0 34	5 36	0 42	18 4	1 39	8 56	12 5	18 14	18 32	8 21	17 13	6 12
T 22	0 43	20 36	2 2	9 14	0s 3	11 25	1 1	8 24	2 38	20 25	0 59	20 47	0 34	5 35	0 42	18 4	1 39	8 57	12 5	18 14	18 33	8 23	17 13	6 11
F 23	1 7	19 42	0 56	9 15	0 15	11 0	1 3	8 19	2 38	20 25	0 59	20 48	0 34	5 34	0 42	18 5	1 39	8 57	12 5	18 13	18 33	8 25	17 14	6 11
S 24	1 31	17 42	0n16	9 14	0 27	10 35	1 5	8 15	2 37	20 25	0 59	20 48	0 34	5 33	0 42	18 5	1 39	8 58	12 4	18 13	18 34	8 27	17 14	6 10
S 25	1 54	14 37	1 28	9 11	0 39	10 10	1 7	8 10	2 36	20 25	0 59	20 48	0 34	5 32	0 42	18 5	1 39	8 58	12 4	18 14	18 35	8 29	17 15	6 10
M26	2 18	10 34	2 38	9 6	0 50	9 44	1 9	8 5	2 36	20 25	0 59	20 48	0 34	5 31	0 42	18 6	1 39	8 58	12 4	18 15	18 36	8 32	17 15	6 10
T 27	2 41	5 47	3 39	8 59	1 0	9 19	1 11	8 0	2 35	20 24	0 59	20 48	0 35	5 30	0 42	18 6	1 39	8 59	12 4	18 16	18 37	8 34	17 16	6 9
W28	3 5	0 34	4 26	8 50	1 10	8 53	1 13	7 55	2 34	20 24	0 59	20 49	0 35	5 29	0 42	18 7	1 39	8 59	12 3	1				

SWISS EPHEMERIS for the year 1888

APRIL 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	12 39 8	11°42'09	8°53'	13°57'	15°4'	25°R29	6°R13	29°35'	15°R22	28°8'	3°II24	7°R21	6°Ω26	6°Ω14	27°II 0							
M 2	12 43 4	12°41'15	23°11'	15° 0'	16°18'	25°Ω 9	6°Ω11	29°36'	15°Ω20	28° 6'	3°25'	7°Ω18	6°23'	6°21'	27° 2'							
T 3	12 47 1	13°40'20	7°32'	16° 5'	17°31'	24°49'	6° 9'	29°36'	15°17'	28° 8'	3°25'	7°16'	6°19'	6°27'	27° 5'							
W 4	12 50 57	14°39'23	20°29'	17°13'	18°44'	24°28'	6° 7'	29°36'	15°15'	28° 9'	3°26'	7°D16	6°16'	6°34'	27° 8'							
T 5	12 54 54	15°38'25	3°38'34	18°24'	19°58'	24° 7'	6° 4'	29°37'	15°12'	28°11'	3°27'	7°R16	6°13'	6°41'	27°10'							
F 6	12 58 50	16°37'24	16°20'	19°36'	21°11'	23°45'	6° 2'	29°37'	15° 9'	28°13'	3°28'	7°16'	6°10'	6°48'	27°13'							
S 7	13 2 47	17°36'22	28°50'	20°51'	22°25'	23°23'	5°59'	29°38'	15° 7'	28°15'	3°29'	7°14'	6° 7'	6°54'	27°16'							
S 8	13 6 44	18°35'18	11°K10	22° 8'	23°38'	23° 1'	5°56'	29°39'	15° 4'	28°16'	3°30'	7° 9'	6° 4'	7° 1'	27°19'							
M 9	13 10 40	19°34'12	23°20'	23°26'	24°52'	22°39'	5°53'	29°40'	15° 2'	28°18'	3°31'	7° 2'	6° 0'	7° 8'	27°22'							
T 10	13 14 37	20°33'04	5°V23	24°47'	26° 5'	22°16'	5°49'	29°41'	14°59'	28°20'	3°32'	6°52'	5°57'	7°15'	27°26'							
W 11	13 18 33	21°31'54	17°22'	26°10'	27°19'	21°53'	5°46'	29°42'	14°57'	28°22'	3°33'	6°39'	5°54'	7°21'	27°29'							
T 12	13 22 30	22°30'42	29°17'	27°34'	28°32'	21°30'	5°42'	29°43'	14°54'	28°24'	3°34'	6°25'	5°51'	7°28'	27°32'							
F 13	13 26 26	23°29'28	11°B 9	29° 0'	29°46'	21° 7'	5°38'	29°44'	14°51'	28°26'	3°36'	6°12'	5°48'	7°35'	27°35'							
S 14	13 30 23	24°28'12	23° 1'	0°V28	0°V59	20°45'	5°34'	29°46'	14°49'	28°28'	3°37'	5°59'	5°45'	7°41'	27°39'							
S 15	13 34 19	25°26'55	4°II53	1°58'	2°13'	20°22'	5°30'	29°47'	14°46'	28°30'	3°38'	5°48'	5°41'	7°48'	27°42'							
M 16	13 38 16	26°25'35	16°49'	3°30'	3°26'	19°59'	5°26'	29°49'	14°44'	28°32'	3°39'	5°39'	5°38'	7°55'	27°46'							
T 17	13 42 12	27°24'12	28°52'	5° 3'	4°39'	19°36'	5°21'	29°51'	14°41'	28°34'	3°40'	5°34'	5°35'	8° 2'	27°50'							
W 18	13 46 9	28°22'48	11°B 5	6°38'	5°53'	19°14'	5°16'	29°53'	14°39'	28°36'	3°41'	5°31'	5°32'	8° 8'	27°53'							
T 19	13 50 6	29°21'22	23°33'	8°14'	7° 6'	18°51'	5°12'	29°55'	14°36'	28°38'	3°42'	5°30'	5°29'	8°15'	27°57'							
F 20	13 54 2	0°B19'53	6°Ω21	9°53'	8°20'	18°29'	5° 7'	29°57'	14°34'	28°40'	3°43'	5°30'	5°25'	8°22'	28° 1'							
S 21	13 57 59	1°18'22	19°34'	11°33'	9°33'	18° 8'	5° 2'	29°59'	14°31'	28°42'	3°45'	5°30'	5°22'	8°28'	28° 5'							
S 22	14 1 55	2°16'49	3°II14	13°14'	10°47'	17°46'	4°56'	0°Ω 1	14°29'	28°44'	3°46'	5°28'	5°19'	8°35'	28° 9'							
M 23	14 5 52	3°15'14	17°24'	14°58'	12° 0'	17°25'	4°51'	0° 4'	14°27'	28°46'	3°47'	5°24'	5°16'	8°42'	28°13'							
T 24	14 9 48	4°13'36	2°Ω 2	16°43'	13°14'	17° 5'	4°45'	0° 6'	14°24'	28°48'	3°48'	5°17'	5°13'	8°49'	28°17'							
W 25	14 13 45	5°11'57	17° 4'	18°30'	14°27'	16°44'	4°40'	0° 9'	14°22'	28°50'	3°49'	5° 8'	5°10'	8°55'	28°21'							
T 26	14 17 41	6°10'16	2°II21	20°18'	15°41'	16°25'	4°34'	0°12'	14°19'	28°52'	3°51'	4°57'	5° 6'	9° 2'	28°25'							
F 27	14 21 38	7° 8'32	17°42'	22° 9'	16°54'	16° 6'	4°28'	0°14'	14°17'	28°54'	3°52'	4°46'	5° 3'	9° 9'	28°29'							
S 28	14 25 35	8° 6'48	2°Ω56	24° 1'	18° 7'	15°47'	4°22'	0°17'	14°15'	28°56'	3°53'	4°36'	5° 0'	9°16'	28°34'							
S 29	14 29 31	9° 5'01	17°51'	25°55'	19°21'	15°29'	4°16'	0°20'	14°13'	28°58'	3°54'	4°28'	4°57'	9°22'	28°38'							
M 30	14 33 28	10° 3'13	2°Ω22	27°V50	20°V34	15°Ω12	4°Ω10	0°Ω23	14°Ω10	29°B 0	3°II56	4°Ω23	4°Ω54	9°Ω29	28°II43							

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
S 1	4n38	17s31	4n19	7s56	1s45	7s 6	1s19	7s32	2n29	20s23	1n 0	20n49	0n35	5s25	0n42	18n 8	1s39	9n 1	12s 2	18n27	18n41	8n45	17n18	6s 7
M 2	5 1 19	45 3 32	7 38	1 52	6 39	1 20	7 26	2 28	20 22	1 0	20 49	0 35	5 24	0 42	18 9	1 39	9 1	12 2	18 28	18 41	8 47	17 19	6 7	
T 3	5 24	20 43	2 34	7 19	1 59	6 11	1 22	7 20	2 27	20 22	1 0	20 49	0 35	5 23	0 42	18 9	1 39	9 1	12 2	18 28	18 42	8 49	17 19	6 6
W 4	5 47	20 26	1 28	6 58	2 5	5 44	1 23	7 14	2 25	20 22	1 0	20 49	0 35	5 22	0 42	18 9	1 39	9 2	12 2	18 28	18 43	8 51	17 20	6 6
T 5	6 10	19 3	0 20	6 35	2 10	5 16	1 24	7 8	2 24	20 21	1 0	20 49	0 35	5 21	0 42	18 10	1 39	9 2	12 2	18 28	18 44	8 53	17 20	6 5
F 6	6 32	16 43	0s48	6 12	2 15	4 48	1 25	7 1	2 22	20 21	1 0	20 49	0 35	5 20	0 42	18 10	1 39	9 3	12 1	18 28	18 44	8 55	17 21	6 5
S 7	6 55	13 38	1 52	5 46	2 20	4 20	1 27	6 55	2 21	20 20	1 0	20 48	0 35	5 19	0 42	18 11	1 39	9 3	12 1	18 28	18 45	8 58	17 21	6 5
S 8	7 17	10 0	2 49	5 20	2 24	3 52	1 28	6 48	2 19	20 19	1 0	20 48	0 35	5 18	0 42	18 11	1 39	9 3	12 1	18 30	18 46	9 0	17 21	6 4
M 9	7 40	5 59	3 38	4 52	2 27	3 24	1 29	6 41	2 17	20 19	1 0	20 48	0 35	5 17	0 42	18 12	1 38	9 4	12 1	18 31	18 47	9 2	17 22	6 4
T 10	8 2	1 47	4 17	4 22	2 30	2 55	1 29	6 35	2 15	20 18	1 0	20 48	0 35	5 16	0 42	18 12	1 38	9 4	12 1	18 34	18 48	9 4	17 22	6 3
W 11	8 24	2n27	4 44	3 52	2 32	2 27	1 30	6 28	2 14	20 17	1 0	20 48	0 35	5 15	0 42	18 12	1 38	9 5	12 0	18 37	18 48	9 6	17 23	6 3
T 12	8 46	6 35	4 58	3 20	2 34	1 58	1 31	6 21	2 12	20 17	1 0	20 48	0 35	5 14	0 42	18 13	1 38	9 5	12 0	18 41	18 49	9 9	17 23	6 3
F 13	9 8	10 26	4 59	2 47	2 36	1 30	1 32	6 15	2 10	20 16	1 0	20 47	0 35	5 13	0 42	18 13	1 38	9 5	12 0	18 44	18 50	9 11	17 24	6 2
S 14	9 29	13 54	4 47	2 12	2 36	1 1	1 32	6 8	2 7	20 15	1 0	20 47	0 35	5 12	0 42	18 14	1 38	9 6	12 0	18 47	18 51	9 13	17 24	6 2
S 15	9 51	16 49	4 23	1 37	2 37	0 32	1 33	6 1	2 5	20 15	1 0	20 47	0 35	5 11	0 42	18 14	1 38	9 6	12 0	18 50	18 52	9 15	17 25	6 1
M 16	10 12	19 2	3 47	1 0	2 36	0 4	1 33	5 55	2 3	20 14	1 0	20 46	0 35	5 10	0 42	18 15	1 38	9 6	11 59	18 52	18 52	9 17	17 25	6 1
T 17	10 33	20 26	3 1	0 22	2 36	0n25	1 34	5 48	2 1	20 13	1 0	20 46	0 35	5 9	0 42	18 15	1 38	9 7	11 59	18 53	18 53	9 19	17 25	6 1
W 18	10 54	20 55	2 5	0n16	2 34	0 54	1 34	5 42	1 59	20 12	1 0	20 46	0 35	5 8	0 42	18 16	1 38	9 7	11 59	18 54	18 54	9 21	17 26	6 0
T 19	11 15	20 22	1 3	0 56	2 32	1 23	1 34	5 36	1 56	20 11	1 1	20 45	0 35	5 7	0 42	18 16	1 38	9 8	11 59	18 54	18 55	9 24	17 26	6 0
F 20	11 36	18 46	0n 4	1 37	2 30	1 52	1 34	5 30	1 54	20 10	1 1	20 45	0 35	5 6	0 42	18 17	1 38	9 8	11 59	18 54	18 55	9 26	17 27	6 0
S 21	11 56	16 7	1 14	2 19	2 27	2 21	1 34	5 24	1 52	20 9	1 1	20 44	0 35	5 5	0 42	18 17	1 38	9 8	11 58	18 54	18 56	9 28	17 27	5 59
S 22	12 16	12 31	2 21	3 1	2 24	2 49	1 34	5 18	1 49	20 8	1 1	20 44	0 35	5 4	0 42	18 18	1 38	9 9	11 58	18 55	18 57	9 30	17 27	5 59
M 23	12 36	8 5	3 22	3 45	2 20	3 18	1 34	5 12	1 47	20 7	1 1	20 43	0 35	5 4	0 42	18 18	1 38	9 9	11 58	18 56	18 58	9 32	17 28	5 59
T 24	12 56	3 2	4 12	4 29	2 15	3 47	1 34	5 7	1 44	20 6	1 1	20 43	0 35	5 3	0 41	18 18	1 38	9 9	11 58	18 58	18 59	9 34	17 28	5 58
W 25	13 16	2s19	4 46	5 15	2 10	4 15	1 34	5 1	1 41	20 5	1 1	20 42	0 35	5 2	0 41	18 19	1 38	9 10	11 58	19 0	18 59	9 37	17 29	5 58
T 26	13 35	7 36	5 0	6 1	2 5	4 44	1 34	4 56	1 39	20 4	1 1	20 42	0 35	5 1	0 41	18 19	1 38	9 10	11 58	19 0	19 0	9 39	17 29	5 58
F 27	13 54	12 26	4 53	6 47	1 59	5 12	1 33	4 51	1 36	20 3	1 1	20 41	0 36	5 0	0 41	18 20	1 38	9 11	11 57	19 0	19 1	9 41	17 29	5 57
S 28	14 13	16 26	4 25	7 35	1 53	5 41	1 33	4 46	1 34	20 2	1 1	20 41	0 36	4 59	0 41	18 20	1 38	9 11	11 57	19 0	19 2	9 43	17 30	5 57
S 29	14 32	19 16	3 39	8 22	1 46	6 9	1 33	4 42	1 31	20 1	1 1	20 40	0 36	4 58	0 41	18 21	1 38	9 11	11 57	19 0	19 2	9 45	17 30	5 57
M																								

SWISS EPHEMERIS for the year 1888

MAY 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	14 37 24	11♈1'24	16♋24	29♍47	21♎48	14°R55	4°R 3	0♄26	14°R 8	29♋ 3	3♎57	4°R21	4♌51	9♉36	28♎47
W 2	14 41 21	11°59'33	29°57	1♉46	23° 1	14♊39	3♉57	0°30	14♎ 6	29° 5	3°58	4°D20	4°47	9°42	28°51
T 3	14 45 17	12°57'41	13♋ 4	3°47	24°15	14°23	3°50	0°33	14° 4	29° 7	3°59	4°R20	4°44	9°49	28°56
F 4	14 49 14	13°55'47	25°48	5°49	25°28	14° 9	3°43	0°37	14° 2	29° 9	4° 1	4♌19	4°41	9°56	29° 1
S 5	14 53 10	14°53'52	8♉15	7°53	26°42	13°55	3°37	0°40	14° 0	29°11	4° 2	4°17	4°38	10° 3	29° 5
S 6	14 57 7	15°51'55	20°27	9°58	27°55	13°41	3°30	0°44	13°57	29°14	4° 3	4°13	4°35	10° 9	29°10
M 7	15 1 4	16°49'57	2♎30	12° 4	29° 9	13°29	3°23	0°48	13°55	29°16	4° 4	4° 6	4°31	10°16	29°15
T 8	15 5 0	17°47'57	14°27	14°12	0♉22	13°17	3°16	0°51	13°53	29°18	4° 6	3°56	4°28	10°23	29°20
W 9	15 8 57	18°45'56	26°20	16°21	1°36	13° 6	3° 9	0°55	13°51	29°20	4° 7	3°44	4°25	10°30	29°24
T 10	15 12 53	19°43'54	8♉12	18°31	2°49	12°56	3° 1	0°59	13°49	29°22	4° 8	3°31	4°22	10°36	29°29
F 11	15 16 50	20°41'50	20° 4	20°41	4° 2	12°46	2°54	1° 3	13°48	29°25	4°10	3°18	4°19	10°43	29°34
S 12	15 20 46	21°39'45	1♎58	22°52	5°16	12°38	2°47	1° 8	13°46	29°27	4°11	3° 5	4°16	10°50	29°39
S 13	15 24 43	22°37'38	13°54	25° 3	6°29	12°30	2°39	1°12	13°44	29°29	4°12	2°55	4°12	10°56	29°44
M14	15 28 39	23°35'30	25°56	27°14	7°43	12°23	2°32	1°16	13°42	29°31	4°14	2°47	4° 9	11° 3	29°49
T 15	15 32 36	24°33'20	8♉ 5	29°25	8°56	12°17	2°25	1°21	13°40	29°34	4°15	2°42	4° 6	11°10	29°55
W16	15 36 33	25°31'08	20°23	1♎35	10°10	12°11	2°17	1°25	13°39	29°36	4°16	2°39	4° 3	11°17	29°59
T 17	15 40 29	26°28'55	2♎55	3°44	11°23	12° 7	2° 9	1°30	13°37	29°38	4°18	2°D38	4° 0	11°23	0♉ 5
F 18	15 44 26	27°26'40	15°43	5°52	12°37	12° 3	2° 2	1°34	13°35	29°40	4°19	2°39	3°56	11°30	0°10
S 19	15 48 22	28°24'23	28°53	7°58	13°50	12° 0	1°54	1°39	13°34	29°43	4°21	2°R39	3°53	11°37	0°15
S 20	15 52 19	29°22'05	12♎26	10° 3	15° 4	11°58	1°47	1°44	13°32	29°45	4°22	2°38	3°50	11°43	0°21
M21	15 56 15	0♎19'45	26°26	12° 6	16°17	11°57	1°39	1°49	13°31	29°47	4°23	2°36	3°47	11°50	0°26
T 22	16 0 12	1°17'23	10♎53	14° 7	17°30	11°D56	1°31	1°54	13°29	29°49	4°25	2°31	3°44	11°57	0°31
W23	16 4 8	2°15'00	25°42	16° 5	18°44	11°56	1°24	1°59	13°28	29°52	4°26	2°24	3°41	12° 4	0°37
T 24	16 8 5	3°12'36	10♎49	18° 1	19°57	11°57	1°16	2° 4	13°26	29°54	4°27	2°16	3°37	12°10	0°42
F 25	16 12 2	4°10'10	26° 3	19°55	21°11	11°59	1° 8	2° 9	13°25	29°56	4°29	2° 7	3°34	12°17	0°48
S 26	16 15 58	5° 7'43	11♎14	21°46	22°24	12° 2	1° 1	2°15	13°24	29°58	4°30	1°59	3°31	12°24	0°53
S 27	16 19 55	6° 5'15	26°12	23°34	23°38	12° 5	0°53	2°20	13°22	0♎ 1	4°31	1°53	3°28	12°31	0°59
M28	16 23 51	7° 2'47	10♎48	25°20	24°51	12° 9	0°46	2°25	13°21	0° 3	4°33	1°49	3°25	12°37	1° 4
T 29	16 27 48	8° 0'17	24°57	27° 2	26° 5	12°14	0°38	2°31	13°20	0° 5	4°34	1°47	3°22	12°44	1°10
W30	16 31 44	8°57'46	8♎37	28°42	27°18	12°19	0°31	2°36	13°19	0° 7	4°36	1°D47	3°18	12°51	1°16
T 31	16 35 41	9♎55'14	21♎51	0♉19	28♉32	12°25	0♉23	2°42	13°18	0♎ 9	4♎37	1°Q48	3°Q15	12°57	1°21

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	♄	♃	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	15n 9	20s54	1n33	10n 0	1s30	7n 5	1s31	4s34	1n26	19s59	1n 1	20n39	0n36	4s57	0n41	18n22	1s38	9n12	11s57	19n11	19n 4	9n50	17n31	5s56
W 2	15 27	19 48	0 23	10 49	1 22	7 33	1 31	4 30	1 23	19 57	1 1	20 38	0 36	4 56	0 41	18 22	1 38	9 12	11 57	19 11	19 5	9 52	17 31	5 56
T 3	15 44	17 38	0s46	11 38	1 14	8 1	1 30	4 26	1 20	19 56	1 1	20 37	0 36	4 55	0 41	18 23	1 38	9 13	11 57	19 11	19 5	9 54	17 31	5 56
F 4	16 2	14 40	1 51	12 27	1 4	8 28	1 29	4 23	1 18	19 55	1 1	20 37	0 36	4 54	0 41	18 23	1 38	9 13	11 57	19 11	19 6	9 56	17 32	5 55
S 5	16 19	11 6	2 49	13 17	0 55	8 55	1 28	4 20	1 15	19 54	1 1	20 36	0 36	4 53	0 41	18 24	1 38	9 13	11 56	19 12	19 7	9 58	17 32	5 55
S 6	16 36	7 8	3 38	14 6	0 45	9 23	1 28	4 18	1 12	19 52	1 1	20 35	0 36	4 53	0 41	18 24	1 38	9 14	11 56	19 13	19 8	10 0	17 32	5 55
M 7	16 52	2 56	4 17	14 54	0 35	9 50	1 27	4 15	1 10	19 51	1 0	20 34	0 36	4 52	0 41	18 25	1 38	9 14	11 56	19 14	19 8	10 2	17 32	5 55
T 8	17 9	1n20	4 44	15 43	0 25	10 16	1 26	4 13	1 7	19 50	1 0	20 34	0 36	4 51	0 41	18 25	1 38	9 14	11 56	19 17	19 9	10 5	17 33	5 54
W 9	17 25	5 32	4 58	16 30	0 15	10 43	1 24	4 11	1 4	19 49	1 0	20 33	0 36	4 50	0 41	18 26	1 38	9 15	11 56	19 20	19 10	10 7	17 33	5 54
T 10	17 41	9 31	5 0	17 17	0 4	11 9	1 23	4 10	1 2	19 47	1 0	20 32	0 36	4 50	0 41	18 26	1 38	9 15	11 56	19 23	19 11	10 9	17 33	5 54
F 11	17 56	13 8	4 48	18 2	0n 6	11 35	1 22	4 8	0 59	19 46	1 0	20 31	0 36	4 49	0 41	18 27	1 38	9 15	11 56	19 26	19 11	10 11	17 33	5 54
S 12	18 11	16 15	4 24	18 46	0 17	12 1	1 21	4 7	0 57	19 45	1 0	20 30	0 36	4 48	0 41	18 27	1 38	9 16	11 56	19 29	19 12	10 13	17 34	5 53
S 13	18 26	18 42	3 48	19 29	0 27	12 26	1 20	4 7	0 54	19 43	1 0	20 29	0 36	4 47	0 41	18 28	1 38	9 16	11 56	19 31	19 13	10 15	17 34	5 53
M14	18 41	20 22	3 2	20 10	0 38	12 51	1 18	4 6	0 51	19 42	1 0	20 28	0 36	4 47	0 41	18 28	1 38	9 16	11 56	19 33	19 14	10 17	17 34	5 53
T 15	18 55	21 6	2 7	20 49	0 48	13 16	1 17	4 6	0 49	19 40	1 0	20 27	0 36	4 46	0 41	18 29	1 38	9 17	11 55	19 34	19 15	10 20	17 34	5 53
W16	19 9	20 50	1 5	21 26	0 57	13 41	1 15	4 7	0 46	19 39	1 0	20 26	0 36	4 45	0 41	18 29	1 38	9 17	11 55	19 35	19 15	10 22	17 35	5 53
T 17	19 23	19 33	0n 1	22 0	1 7	14 5	1 14	4 7	0 44	19 38	1 0	20 25	0 36	4 45	0 41	18 30	1 38	9 17	11 55	19 35	19 16	10 24	17 35	5 52
F 18	19 36	17 14	1 9	22 32	1 16	14 29	1 12	4 8	0 41	19 36	1 0	20 24	0 36	4 44	0 41	18 30	1 38	9 17	11 55	19 35	19 17	10 26	17 35	5 52
S 19	19 49	13 59	2 15	23 2	1 24	14 53	1 11	4 9	0 39	19 35	1 0	20 23	0 36	4 44	0 41	18 31	1 38	9 18	11 55	19 35	19 18	10 28	17 35	5 52
S 20	20 2	9 54	3 16	23 29	1 32	15 16	1 9	4 10	0 36	19 33	1 0	20 22	0 36	4 43	0 41	18 31	1 38	9 18	11 55	19 35	19 18	10 30	17 35	5 52
M21	20 14	5 11	4 6	23 53	1 39	15 39	1 7	4 12	0 34	19 32	1 0	20 21	0 36	4 43	0 41	18 32	1 38	9 18	11 55	19 35	19 19	10 32	17 35	5 52
T 22	20 26	0 2	4 43	24 15	1 46	16 1	1 5	4 14	0 32	19 30	0 59	20 20	0 36	4 42	0 41	18 32	1 38	9 19	11 55	19 37	19 20	10 35	17 36	5 51
W23	20 37	5s15	5 2	24 34	1 51	16 23	1 4	4 16	0 29	19 29	0 59	20 19	0 36	4 41	0 41	18 33	1 38	9 19	11 55	19 38	19 20	10 37	17 36	5 51
T 24	20 49	10 18	5 1	24 51	1 57	16 45	1 2	4 19	0 27	19 28	0 59	20 18	0 36	4 41	0 41	18 33	1 38	9 19	11 55	19 40	19 21	10 39	17 36	5 51
F 25	20 59	14 46	4 38	25 5	2 1	17 6	1 0	4 22	0 25	19 26	0 59	20 17	0 36	4 40	0 41	18 33	1 38	9 19	11 55	19 42	19 22	10 41	17 36	5 51
S 26	21 10	18 14	3 56	25 16	2 4	17 27	0 58	4 25	0 23	19 25	0 59	20 16	0 36	4 40	0 41	18 34	1 38	9 20	11 55	19 44	19 23	10 43	17 36	5 51
S 27	21 20	20 25	2 59	25 25	2 7	17 47	0 56	4 28	0 20	19 23	0 59	20 15	0 36	4 40	0 41	18 34	1 38	9 20	11 55	19 45	19 23	10 45	17 36	5 51
M28	21 30	21 11	1 50	25 31	2 9	18 7	0 54	4 32	0 18	19 22	0 59	20 13	0 36	4 39	0 41	18 35	1 38	9 20	11 55	19 46	19 24	10 47	17 36	5 51
T 29	21 39	20 33	0 37	25 36	2 11	18 27	0 5																	

SWISS EPHEMERIS for the year 1888

JUNE 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
F 1	16 39 37	10II52'42	4H39	1553	29845	12232	0°R16	2Ω48	13°R17	0II12	4II38	1Ω49	3Ω12	138 4	1527
S 2	16 43 34	11°50'09	17° 8	3°25	0II59	12°40	0° 8	2°53	13°16	0°14	4°40	1°R49	3° 9	13°11	1°33
S 3	16 47 31	12°47'35	29°20	4°53	2°12	12°48	0° 1	2°59	13°15	0°16	4°41	1°47	3° 6	13°18	1°38
M 4	16 51 27	13°45'01	11V22	6°18	3°26	12°57	29M54	3° 5	13°14	0°18	4°42	1°44	3° 2	13°24	1°44
T 5	16 55 24	14°42'26	23°17	7°40	4°39	13° 6	29°47	3°11	13°13	0°20	4°44	1°38	2°59	13°31	1°50
W 6	16 59 20	15°39'50	58 8	9° 0	5°53	13°16	29°39	3°17	13°13	0°23	4°45	1°31	2°56	13°38	1°55
T 7	17 3 17	16°37'13	17° 0	10°16	7° 6	13°27	29°32	3°23	13°12	0°25	4°46	1°23	2°53	13°44	2° 1
F 8	17 7 13	17°34'36	28°54	11°29	8°20	13°39	29°25	3°29	13°11	0°27	4°48	1°15	2°50	13°51	2° 7
S 9	17 11 10	18°31'59	10II52	12°38	9°33	13°51	29°19	3°35	13°11	0°29	4°49	1° 7	2°47	13°58	2°13
S 10	17 15 6	19°29'20	22°57	13°45	10°47	14° 3	29°12	3°42	13°10	0°31	4°50	1° 1	2°43	14° 5	2°19
M11	17 19 3	20°26'41	58 9	14°48	12° 0	14°17	29° 5	3°48	13°10	0°33	4°52	0°56	2°40	14°11	2°25
T 12	17 23 0	21°24'01	17°29	15°48	13°14	14°30	28°58	3°54	13° 9	0°36	4°53	0°53	2°37	14°18	2°31
W13	17 26 56	22°21'20	0Ω 1	16°44	14°27	14°45	28°52	4° 1	13° 9	0°38	4°54	0°D52	2°34	14°25	2°36
T 14	17 30 53	23°18'39	12°44	17°36	15°41	15° 0	28°45	4° 7	13° 8	0°40	4°56	0°53	2°31	14°32	2°42
F 15	17 34 49	24°15'57	25°43	18°25	16°55	15°15	28°39	4°14	13° 8	0°42	4°57	0°54	2°28	14°38	2°48
S 16	17 38 46	25°13'13	8M58	19°10	18° 8	15°31	28°33	4°20	13° 8	0°44	4°58	0°56	2°24	14°45	2°54
S 17	17 42 42	26°10'29	22°32	19°52	19°22	15°48	28°27	4°27	13° 8	0°46	4°59	0°R57	2°21	14°52	3° 0
M18	17 46 39	27° 7'45	626	20°29	20°35	16° 5	28°21	4°33	13° 7	0°48	5° 1	0°56	2°18	14°58	3° 6
T 19	17 50 35	28° 4'59	20°40	21° 2	21°49	16°23	28°15	4°40	13° 7	0°50	5° 2	0°55	2°15	15° 5	3°12
W20	17 54 32	29° 2'13	5M12	21°31	23° 3	16°41	28° 9	4°47	13°D 7	0°52	5° 3	0°52	2°12	15°12	3°18
T 21	17 58 29	29°59'26	19°59	21°56	24°16	17° 0	28° 4	4°54	13° 7	0°54	5° 5	0°48	2° 8	15°19	3°24
F 22	18 2 25	0556'38	42752	22°16	25°30	17°19	27°58	5° 0	13° 7	0°56	5° 6	0°44	2° 5	15°25	3°30
S 23	18 6 22	1°53'50	19°45	22°32	26°43	17°38	27°53	5° 7	13° 7	0°58	5° 7	0°40	2° 2	15°32	3°36
S 24	18 10 18	2°51'02	4329	22°43	27°57	17°58	27°48	5°14	13° 8	1° 0	5° 8	0°37	1°59	15°39	3°42
M25	18 14 15	3°48'13	18°57	22°50	29°11	18°19	27°43	5°21	13° 8	1° 2	5°10	0°35	1°56	15°45	3°48
T 26	18 18 11	4°45'25	324	22°R52	0524	18°40	27°38	5°28	13° 8	1° 4	5°11	0°D35	1°53	15°52	3°54
W27	18 22 8	5°42'36	16°45	22°49	1°38	19° 1	27°33	5°35	13° 8	1° 6	5°12	0°36	1°49	15°59	4° 0
T 28	18 26 5	6°39'47	0H 2	22°42	2°52	19°23	27°29	5°42	13° 9	1° 8	5°13	0°37	1°46	16° 6	4° 6
F 29	18 30 1	7°36'58	12°55	22°31	4° 5	19°45	27°25	5°49	13° 9	1°10	5°14	0°38	1°43	16°12	4°12
S 30	18 33 58	8534'09	25H27	22515	5519	2028	27M20	5527	13210	1II12	5II15	0Ω40	1Ω40	16819	4518

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	22n 5	12s24	2s47	25n36	2n10	19n22	0s46	4s48	0n10	19s16	0n58	20n 8	0n37	4s38	0n40
S 2	22 13	8 27	3 39	25 32	2 8	19 39	0 44	4 53	0 8	19 15	0 58	20 7	0 37	4 37	0 40
S 3	22 21	4 14	4 20	25 27	2 5	19 56	0 41	4 58	0 5	19 13	0 58	20 6	0 37	4 37	0 40
M 4	22 28	0n 4	4 48	25 19	2 1	20 13	0 39	5 4	0 4	19 12	0 58	20 4	0 37	4 37	0 40
T 5	22 34	4 20	5 4	25 11	1 57	20 29	0 37	5 9	0 2	19 10	0 58	20 3	0 37	4 36	0 40
W 6	22 41	8 25	5 7	25 1	1 52	20 44	0 35	5 15	0s 0	19 9	0 57	20 2	0 37	4 36	0 40
T 7	22 47	12 11	4 56	24 49	1 46	20 59	0 32	5 21	0 1	19 8	0 57	20 0	0 37	4 36	0 40
F 8	22 52	15 29	4 33	24 37	1 40	21 13	0 30	5 27	0 4	19 6	0 57	19 59	0 37	4 36	0 40
S 9	22 57	18 10	3 57	24 23	1 33	21 26	0 28	5 33	0 6	19 5	0 57	19 58	0 37	4 35	0 40
S 10	23 2 20	5 3	11 24	24 9	1 25	21 39	0 25	5 40	0 8	19 4	0 57	19 56	0 37	4 35	0 40
M11	23 6 21	6 2	15 23	23 53	1 16	21 52	0 23	5 47	0 10	19 3	0 57	19 55	0 37	4 35	0 40
T 12	23 10 21	7 1	12 23	23 37	1 7	22 3	0 21	5 54	0 11	19 1	0 56	19 53	0 37	4 35	0 40
W13	23 14 20	5 0	5 23	20 0	0 57	22 15	0 18	6 1	0 13	19 0	0 56	19 52	0 37	4 35	0 40
T 14	23 17 18	1 1n	4 23	23 3	0 46	22 25	0 16	6 8	0 15	18 59	0 56	19 50	0 37	4 35	0 40
F 15	23 20 15	1 2	11 22	24 5	0 35	22 35	0 14	6 16	0 16	18 58	0 56	19 49	0 37	4 35	0 40
S 16	23 22 11	11 3	13 22	27 0	0 23	22 44	0 11	6 24	0 18	18 56	0 56	19 47	0 37	4 35	0 40
S 17	23 24 6	4 63	4 5	22 9	0 10	22 53	0 9	6 31	0 20	18 55	0 56	19 46	0 37	4 35	0 40
M18	23 25 1 48	4 44	21 50	0s 3	23 1	0 6	6 40	0 21	18 54	0 55	19 44	0 37	4 34	0 40	18 44
T 19	23 26 3s20	5 7	21 32	0 17	23 8	0 4	6 48	0 23	18 53	0 55	19 43	0 37	4 34	0 40	18 44
W20	23 27 8 22	5 11	21 13	0 31	23 15	0 2	6 56	0 24	18 52	0 55	19 41	0 37	4 35	0 40	18 45
T 21	23 27 13 0	4 55	20 55	0 46	23 20	0n 1	7 5	0 26	18 51	0 55	19 40	0 37	4 35	0 40	18 45
F 22	23 27 16 53	4 19	20 37	1 1	23 26	0 3	7 13	0 27	18 50	0 55	19 38	0 38	4 35	0 40	18 46
S 23	23 26 19 39	3 25	20 19	1 16	23 30	0 6	7 22	0 29	18 49	0 54	19 36	0 38	4 35	0 39	18 46
S 24	23 25 21 4	2 18	20 2	1 32	23 34	0 8	7 31	0 30	18 48	0 54	19 35	0 38	4 35	0 39	18 46
M25	23 24 21 4	1 3	19 45	1 48	23 37	0 10	7 40	0 32	18 47	0 54	19 33	0 38	4 35	0 39	18 47
T 26	23 22 19 42	0s14	19 29	2 4	23 40	0 13	7 50	0 33	18 46	0 54	19 31	0 38	4 35	0 39	18 47
W27	23 20 17 13	1 28	19 13	2 20	23 42	0 15	7 59	0 35	18 45	0 53	19 30	0 38	4 35	0 39	18 48
T 28	23 17 13 53	2 35	18 59	2 36	23 43	0 17	8 9	0 36	18 45	0 53	19 28	0 38	4 35	0 39	18 48
F 29	23 14 9 59	3 32	18 45	2 51	23 43	0 20	8 18	0 37	18 44	0 53	19 26	0 38	4 36	0 39	18 48
S 30	23n10	5s45	4s18	18n33	3s 7	23n43	0n22	8s28	0s39	18s43	0n53	19n25	0n38	4s36	0n39

Julian Day Number = 2410789.5, Delta T = -5.82 sec  
 Ecliptic obliquity = 23°27'08, Nutation = -0°00'15  
 Ayanamsha: Fagan/Bradley = 23°10'56, Lahiri = 22°17'56

SWISS EPHEMERIS for the year 1888

JULY 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	18 37 54	9 <sup>h</sup> 31'21"	7 <sup>h</sup> 43'	21°R55	6 <sup>h</sup> 33'	20 <sup>h</sup> 31'	27°R16	6 <sup>h</sup> 4	13 <sup>h</sup> 10'	1 <sup>h</sup> 14'	5 <sup>h</sup> 17'	0°R40	1 <sup>h</sup> 37'	16 <sup>h</sup> 26'	4 <sup>h</sup> 24'
M 2	18 41 51	10°28'32"	19°46'	21 <sup>h</sup> 31'	7°46'	20°54'	27 <sup>h</sup> 12'	6°11'	13°11'	1°16'	5°18'	0 <sup>h</sup> 40'	1°34'	16°32'	4°30'
T 3	18 45 47	11°25'44"	1 <sup>h</sup> 42'	21° 4'	9° 0'	21°18'	27° 9'	6°18'	13°12'	1°17'	5°19'	0°39'	1°30'	16°39'	4°36'
W 4	18 49 44	12°22'57"	1 <sup>h</sup> 34'	20°33'	10°14'	21°42'	27° 5'	6°25'	13°12'	1°19'	5°20'	0°37'	1°27'	16°46'	4°42'
T 5	18 53 40	13°20'09"	2 <sup>h</sup> 27'	20° 0'	11°27'	22° 7'	27° 2'	6°33'	13°13'	1°21'	5°21'	0°34'	1°24'	16°53'	4°48'
F 6	18 57 37	14°17'22"	7 <sup>h</sup> 12'	19°24'	12°41'	22°31'	26°58'	6°40'	13°14'	1°23'	5°22'	0°32'	1°21'	16°59'	4°54'
S 7	19 1 34	15°14'35"	1 <sup>h</sup> 29'	18°47'	13°55'	22°57'	26°55'	6°47'	13°15'	1°24'	5°23'	0°30'	1°18'	17° 6'	5° 0'
S 8	19 5 30	16°11'48"	1 <sup>h</sup> 42'	18° 9'	15° 9'	23°22'	26°52'	6°55'	13°16'	1°26'	5°24'	0°28'	1°14'	17°13'	5° 6'
M 9	19 9 27	17° 9'02"	1 <sup>h</sup> 4 7'	17°31'	16°23'	23°48'	26°50'	7° 2'	13°16'	1°28'	5°26'	0°26'	1°11'	17°20'	5°11'
T 10	19 13 23	18° 6'16"	2 <sup>h</sup> 6'44"	16°53'	17°36'	24°15'	26°47'	7°10'	13°17'	1°30'	5°27'	0°D26	1° 8'	17°26'	5°17'
W 11	19 17 20	19° 3'30"	9 <sup>h</sup> 13'	16°16'	18°50'	24°41'	26°45'	7°17'	13°19'	1°31'	5°28'	0°26'	1° 5'	17°33'	5°23'
T 12	19 21 16	20° 0'44"	2 <sup>h</sup> 23'	15°40'	20° 4'	25° 8'	26°42'	7°25'	13°20'	1°33'	5°29'	0°27'	1° 2'	17°40'	5°29'
F 13	19 25 13	20°57'58"	5 <sup>h</sup> 17'	15° 7'	21°18'	25°36'	26°40'	7°32'	13°21'	1°35'	5°30'	0°27'	0°59'	17°46'	5°35'
S 14	19 29 9	21°55'13"	1 <sup>h</sup> 27'	14°36'	22°32'	26° 3'	26°39'	7°40'	13°22'	1°36'	5°31'	0°28'	0°55'	17°53'	5°41'
S 15	19 33 6	22°52'27"	3 <sup>h</sup> 11'	14° 9'	23°46'	26°31'	26°37'	7°47'	13°23'	1°38'	5°32'	0°29'	0°52'	18° 0'	5°47'
M 16	19 37 3	23°49'42"	1 <sup>h</sup> 7 8'	13°46'	24°59'	27° 0'	26°35'	7°55'	13°25'	1°39'	5°33'	0°29'	0°49'	18° 7'	5°53'
T 17	19 40 59	24°46'56"	1 <sup>h</sup> 11'17"	13°27'	26°13'	27°28'	26°34'	8° 2'	13°26'	1°41'	5°34'	0°R29	0°46'	18°13'	5°58'
W 18	19 44 56	25°44'11"	1 <sup>h</sup> 5'36"	13°13'	27°27'	27°57'	26°33'	8°10'	13°27'	1°42'	5°35'	0°29'	0°43'	18°20'	6° 4'
T 19	19 48 52	26°41'26"	0 <sup>h</sup> 1 1'	13° 4'	28°41'	28°26'	26°32'	8°17'	13°29'	1°44'	5°35'	0°29'	0°40'	18°27'	6°10'
F 20	19 52 49	27°38'42"	1 <sup>h</sup> 4'29"	13°D 0'	29°55'	28°56'	26°31'	8°25'	13°30'	1°45'	5°36'	0°28'	0°36'	18°33'	6°16'
S 21	19 56 45	28°35'58"	2 <sup>h</sup> 8'56"	13° 2'	1 <sup>h</sup> 9 9'	29°25'	26°31'	8°33'	13°32'	1°47'	5°37'	0°28'	0°33'	18°40'	6°21'
S 22	20 0 42	29°33'14"	1 <sup>h</sup> 3'13"	13°10'	2°23'	29°55'	26°30'	8°40'	13°34'	1°48'	5°38'	0°28'	0°30'	18°47'	6°27'
M 23	20 4 38	0 <sup>h</sup> 30'31"	2 <sup>h</sup> 27'	13°23'	3°37'	0 <sup>h</sup> 12'26"	26°30'	8°48'	13°35'	1°49'	5°39'	0°28'	0°27'	18°54'	6°33'
T 24	20 8 35	1°27'48"	1 <sup>h</sup> 11'15"	13°43'	4°51'	0°56'	26°D30"	8°56'	13°37'	1°51'	5°40'	0°28'	0°24'	19° 0'	6°39'
W 25	20 12 32	2°25'06"	2 <sup>h</sup> 4'48"	14° 8'	6° 5'	1°27'	26°30'	9° 3'	13°39'	1°52'	5°41'	0°28'	0°20'	19° 7'	6°44'
T 26	20 16 28	3°22'25"	8 <sup>h</sup> 1 0'	14°40'	7°18'	1°58'	26°31'	9°11'	13°40'	1°53'	5°42'	0°28'	0°17'	19°14'	6°50'
F 27	20 20 25	4°19'45"	2 <sup>h</sup> 0'53"	15°17'	8°32'	2°29'	26°31'	9°19'	13°42'	1°55'	5°42'	0°27'	0°14'	19°20'	6°55'
S 28	20 24 21	5°17'05"	3 <sup>h</sup> 1'26"	16° 0'	9°46'	3° 1'	26°32'	9°27'	13°44'	1°56'	5°43'	0°27'	0°11'	19°27'	7° 1'
S 29	20 28 18	6°14'27"	1 <sup>h</sup> 5°44'	16°50'	11° 0'	3°32'	26°33'	9°34'	13°46'	1°57'	5°44'	0°26'	0° 8'	19°34'	7° 6'
M 30	20 32 14	7°11'50"	2 <sup>h</sup> 7°48'	17°45'	12°14'	4° 4'	26°34'	9°42'	13°48'	1°58'	5°45'	0°26'	0° 5'	19°41'	7°12'
T 31	20 36 11	8°9'14"	9 <sup>h</sup> 1'45"	18°36'	13°12'28"	4 <sup>h</sup> 13'37"	26°13'35"	9°50'	13°50'	1 <sup>h</sup> 59'	5°45'	0°D26	0° 1'	19°47'	7°17'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23n 7	1s23	4s50	18n21	3s21	23n42	0n24	8s38	0s40	18s42	0n53	19n23	0n38	4s36	0n39	18n49	1s38	9n26	11s56	20n 1	19n49	11n59	17n33	5s50
M 2	23 2	2n58	5 9	18 11	3 36	23 40	0 27	8 48	0 41	18 42	0 52	19 21	0 38	4 36	0 39	18 49	1 38	9 26	11 56	20 1	19 49	12 1	17 32	5 50
T 3	22 58	7 9	5 15	18 2	3 49	23 38	0 29	8 58	0 42	18 41	0 52	19 19	0 38	4 37	0 39	18 50	1 38	9 26	11 56	20 1	19 50	12 3	17 32	5 51
W 4	22 53	11 2	5 7	17 54	4 2	23 34	0 31	9 8	0 44	18 40	0 52	19 18	0 38	4 37	0 39	18 50	1 38	9 26	11 57	20 2	19 51	12 6	17 32	5 51
T 5	22 47	14 30	4 46	17 47	4 13	23 31	0 33	9 19	0 45	18 40	0 52	19 16	0 38	4 37	0 39	18 50	1 38	9 26	11 57	20 2	19 52	12 8	17 31	5 51
F 6	22 41	17 24	4 12	17 42	4 23	23 26	0 35	9 29	0 46	18 39	0 51	19 14	0 38	4 38	0 39	18 51	1 38	9 27	11 57	20 3	19 52	12 10	17 31	5 51
S 7	22 35	19 35	3 27	17 38	4 32	23 21	0 38	9 39	0 47	18 39	0 51	19 12	0 38	4 38	0 39	18 51	1 38	9 27	11 57	20 3	19 53	12 12	17 31	5 51
S 8	22 28	20 54	2 32	17 36	4 40	23 15	0 40	9 50	0 48	18 38	0 51	19 10	0 38	4 38	0 39	18 51	1 38	9 27	11 57	20 4	19 54	12 14	17 30	5 51
M 9	22 21	21 14	1 29	17 35	4 46	23 8	0 42	10 1	0 50	18 38	0 51	19 9	0 38	4 39	0 39	18 52	1 38	9 27	11 57	20 4	19 54	12 16	17 30	5 51
T 10	22 14	20 29	0 20	17 35	4 50	23 1	0 44	10 11	0 51	18 38	0 51	19 7	0 39	4 39	0 39	18 52	1 38	9 27	11 57	20 4	19 55	12 18	17 30	5 52
W 11	22 6	18 40	0n50	17 37	4 53	22 53	0 46	10 22	0 52	18 37	0 50	19 5	0 39	4 40	0 39	18 52	1 38	9 27	11 57	20 4	19 56	12 20	17 29	5 52
T 12	21 58	15 52	2 0	17 40	4 54	22 44	0 48	10 33	0 53	18 37	0 50	19 3	0 39	4 40	0 39	18 52	1 38	9 27	11 58	20 4	19 56	12 22	17 29	5 52
F 13	21 49	12 12	3 4	17 44	4 53	22 35	0 50	10 44	0 54	18 37	0 50	19 1	0 39	4 41	0 39	18 53	1 39	9 27	11 58	20 4	19 57	12 24	17 28	5 52
S 14	21 40	7 51	3 59	17 50	4 51	22 25	0 52	10 55	0 55	18 37	0 50	18 59	0 39	4 41	0 39	18 53	1 39	9 27	11 58	20 4	19 58	12 26	17 28	5 52
S 15	21 31	3 3	4 42	17 56	4 47	22 14	0 54	11 6	0 56	18 37	0 49	18 58	0 39	4 42	0 39	18 53	1 39	9 27	11 58	20 4	19 58	12 28	17 27	5 52
M 16	21 21	1s59	5 8	18 4	4 42	22 3	0 55	11 18	0 57	18 36	0 49	18 56	0 39	4 42	0 39	18 54	1 39	9 27	11 58	20 3	19 59	12 31	17 27	5 53
T 17	21 11	6 58	5 17	18 12	4 35	21 51	0 57	11 29	0 58	18 36	0 49	18 54	0 39	4 43	0 39	18 54	1 39	9 27	11 58	20 3	20 0	12 33	17 27	5 53
W 18	21 1	11 38	5 6	18 22	4 27	21 39	0 59	11 40	0 59	18 36	0 49	18 52	0 39	4 43	0 38	18 54	1 39	9 27	11 58	20 4	20 1	12 35	17 26	5 53
T 19	20 50	15 40	4 36	18 32	4 18	21 25	1 1	11 51	1 0	18 36	0 48	18 50	0 39	4 44	0 38	18 54	1 39	9 27	11 59	20 4	20 1	12 37	17 26	5 53
F 20	20 39	18 46	3 48	18 42	4 8	21 12	1 2	12 3	1 1	18 36	0 48	18 48	0 39	4 45	0 38	18 55	1 39	9 27	11 59	20 4	20 2	12 39	17 25	5 54
S 21	20 27	20 41	2 46	18 54	3 56	20 57	1 4	12 14	1 2	18 37	0 48	18 46	0 39	4 45	0 38	18 55	1 39	9 27	11 59	20 4	20 3	12 41	17 25	5 54
S 22	20 15	21 14	1 34	19 5	3 44	20 42	1 5	12 26	1 3	18 37	0 48	18 44	0 39	4 46	0 38	18 55	1 39	9 27	11 59	20 4	20 3	12 43	17 24	5 54
M 23	20 3	20 25	0 17	19 17	3 31	20 26	1 7	12 37	1 4	18 37	0 47	18 42	0 39	4 47	0 38	18 55	1 39	9 27	11 59	20 4	20 4	12 45	17 24	5 54
T 24	19 51	18 22	0s59	19 28	3 17	20 10	1 8	12 49	1 5	18 37	0 47	18 40	0 39	4 47	0 38	18 56	1 39	9 27	11 59	20 4	20 5	12 47	17 23	5 55
W 25	19 38	15 19	2 11	19 40	3 3	19 53	1 10	13 0	1 5	18 37	0 47	18 38	0 40	4 48	0 38	18 56	1 39	9 27	12 0	20 4	20 5	12 49	17 22	5 55
T 26	19 25	11 34	3 13	19 51	2 48	19 36	1 11	13 12	1 6	18 38	0 47	18 36	0 40	4 49	0 38	18 56	1 39	9 27	12 0	20 4	20 6	12 51	17 22	5 55
F 27	19 11	7 22	4 4	20 2	2 33	19 18	1 12	13 24	1 7	18 38	0 46	18 34	0 40	4 49	0 38	18 56	1 39	9 27	12 0	20 4	20 7	12 53	17 21	5 55
S 28	18 57	2 57	4																					

SWISS EPHEMERIS for the year 1888

AUGUST 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	20 40 7	9♌ 6'39	21♋38	19♌52	14♌42	5♌ 9	26♌36	9♌57	13♌52	2♌ 0	5♌46	0♌26	29♌58	19♌54	7♌23
T 2	20 44 4	10° 4'05	3♌32	21° 4	15°56	5°42	26°38	10° 5	13°54	2° 1	5°47	0°27	29°55	20° 1	7°28
F 3	20 48 1	11° 1'31	15°31	22°21	17°10	6°15	26°40	10°13	13°56	2° 3	5°47	0°27	29°52	20° 7	7°34
S 4	20 51 57	11°59'01	27°40	23°44	18°24	6°48	26°42	10°21	13°59	2° 4	5°48	0°29	29°49	20°14	7°39
S 5	20 55 54	12°56'31	10♌ 1	25°11	19°39	7°21	26°44	10°28	14° 1	2° 5	5°49	0°29	29°46	20°21	7°44
M 6	20 59 50	13°54'03	22°38	26°43	20°53	7°55	26°46	10°36	14° 3	2° 6	5°49	0°30	29°42	20°28	7°50
T 7	21 3 47	14°51'35	5♌32	28°19	22° 7	8°29	26°49	10°44	14° 5	2° 6	5°50	0°R30	29°39	20°34	7°55
W 8	21 7 43	15°49'08	18°43	29°59	23°21	9° 3	26°52	10°51	14° 8	2° 7	5°50	0°30	29°36	20°41	8° 0
T 9	21 11 40	16°46'43	2♌12	1♌44	24°35	9°37	26°54	10°59	14°10	2° 8	5°51	0°28	29°33	20°48	8° 5
F 10	21 15 36	17°44'18	15°55	3°32	25°49	10°12	26°57	11° 7	14°13	2° 9	5°52	0°26	29°30	20°54	8°10
S 11	21 19 33	18°41'55	29°50	5°22	27° 3	10°46	27° 1	11°14	14°15	2°10	5°52	0°24	29°26	21° 1	8°15
S 12	21 23 30	19°39'32	13♌55	7°15	28°17	11°21	27° 4	11°22	14°18	2°11	5°53	0°21	29°23	21° 8	8°20
M13	21 27 26	20°37'11	28° 6	9°11	29°31	11°56	27° 8	11°30	14°20	2°11	5°53	0°19	29°20	21°15	8°25
T 14	21 31 23	21°34'50	12♌20	11° 8	0♌45	12°32	27°11	11°37	14°23	2°12	5°54	0°18	29°17	21°21	8°30
W15	21 35 19	22°32'31	26°33	13° 7	2° 0	13° 7	27°15	11°45	14°26	2°13	5°54	0°D18	29°14	21°28	8°35
T 16	21 39 16	23°30'13	10♌45	15° 7	3°14	13°43	27°19	11°53	14°28	2°14	5°54	0°19	29°11	21°35	8°40
F 17	21 43 12	24°27'55	24°51	17° 7	4°28	14°18	27°23	12° 0	14°31	2°14	5°55	0°20	29° 7	21°41	8°45
S 18	21 47 9	25°25'39	8♌52	19° 8	5°42	14°54	27°28	12° 8	14°34	2°15	5°55	0°22	29° 4	21°48	8°50
S 19	21 51 5	26°23'24	22°44	21° 9	6°56	15°31	27°32	12°15	14°37	2°15	5°56	0°22	29° 1	21°55	8°54
M20	21 55 2	27°21'10	6♌26	23°10	8°10	16° 7	27°37	12°23	14°39	2°16	5°56	0°R23	28°58	22° 2	8°59
T 21	21 58 59	28°18'58	19°55	25°11	9°24	16°44	27°42	12°31	14°42	2°16	5°56	0°21	28°55	22° 8	9° 4
W22	22 2 55	29°16'46	3♌11	27°11	10°38	17°20	27°47	12°38	14°45	2°17	5°57	0°19	28°51	22°15	9° 8
T 23	22 6 52	0♌14'37	16°11	29°10	11°53	17°57	27°52	12°46	14°48	2°17	5°57	0°15	28°48	22°22	9°13
F 24	22 10 48	1°12'28	28°55	1♌ 9	13° 7	18°34	27°57	12°53	14°51	2°18	5°57	0°10	28°45	22°28	9°17
S 25	22 14 45	2°10'22	11♌25	3° 6	14°21	19°11	28° 3	13° 1	14°54	2°18	5°57	0° 4	28°42	22°35	9°21
S 26	22 18 41	3° 8'17	23°40	5° 3	15°35	19°49	28° 9	13° 8	14°57	2°18	5°58	29♌59	28°39	22°42	9°26
M27	22 22 38	4° 6'14	5♌44	6°58	16°49	20°26	28°14	13°15	15° 0	2°19	5°58	29°55	28°36	22°49	9°30
T 28	22 26 34	5° 4'13	17°40	8°53	18° 3	21° 4	28°20	13°23	15° 3	2°19	5°58	29°52	28°32	22°55	9°34
W29	22 30 31	6° 2'13	29°32	10°46	19°18	21°42	28°26	13°30	15° 6	2°19	5°58	29°50	28°29	23° 2	9°38
T 30	22 34 27	7° 0'16	11♌25	12°38	20°32	22°20	28°33	13°37	15° 9	2°19	5°58	29°D50	28°26	23° 9	9°43
F 31	22 38 24	7♌58'21	23♌24	14♌28	21♌46	22♌58	28♌39	13♌45	15♌13	2♌20	5♌58	29♌51	28♌23	23♌15	9♌47

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	17n59	13n25	4s55	20n43	1s17	17n41	1n18	14s22	1s11	18s40	0n45	18n24	0n40	4s53	0n38	18n57	1s39	9n26	12s 1	20n 4	20n10	13n 4	17n18	5s57
T 2	17 44 16 31	4 26 20 47	1 2	17 20	1 19	14 34	1 12	18 41	0 45	18 22	0 40	4 54	0 38	18 57	1 39	9 26	12 1	20 4	20 11	13 6	17 18	5 57		
F 3	17 28 18 57	3 44 20 50	0 47	16 58	1 20	14 45	1 13	18 42	0 45	18 20	0 40	4 55	0 38	18 57	1 39	9 26	12 1	20 4	20 11	13 8	17 17	5 58		
S 4	17 12 20 34	2 52 20 50	0 32	16 36	1 21	14 57	1 13	18 42	0 45	18 18	0 40	4 56	0 38	18 58	1 39	9 26	12 1	20 4	20 12	13 10	17 17	5 58		
S 5	16 56 21 14	1 51 20 49	0 18	16 14	1 22	15 8	1 14	18 43	0 44	18 16	0 40	4 57	0 38	18 58	1 40	9 26	12 2	20 3	20 13	13 12	17 16	5 58		
M 6	16 40 20 50	0 43 20 45	0 5	15 51	1 22	15 20	1 15	18 44	0 44	18 14	0 41	4 58	0 38	18 58	1 40	9 26	12 2	20 3	20 13	13 14	17 15	5 59		
T 7	16 23 19 21	0n28	20 38	0n 8	15 27	1 23	15 32	1 15	18 45	0 44	18 12	0 41	4 59	0 38	18 58	1 40	9 26	12 2	20 3	20 14	13 16	17 15	5 59	
W 8	16 6 16 47	1 39 20 30	0 20	15 4	1 24	15 43	1 16	18 45	0 44	18 10	0 41	5 0	0 38	18 58	1 40	9 26	12 2	20 3	20 15	13 18	17 14	5 59		
T 9	15 49 13 17	2 46 20 18	0 32	14 40	1 24	15 55	1 17	18 46	0 43	18 8	0 41	5 1	0 38	18 58	1 40	9 26	12 2	20 4	20 15	13 20	17 13	6 0		
F 10	15 31 9 1	3 45 20 4	0 43	14 15	1 25	16 6	1 17	18 47	0 43	18 6	0 41	5 2	0 38	18 58	1 40	9 26	12 3	20 4	20 16	13 22	17 13	6 0		
S 11	15 14 4 13	4 31 19 47	0 53	13 50	1 25	16 18	1 18	18 48	0 43	18 4	0 41	5 3	0 38	18 59	1 40	9 25	12 3	20 5	20 17	13 24	17 12	6 0		
S 12	14 56 0s51	5 2 19 28	1 2	13 25	1 26	16 30	1 19	18 49	0 43	18 2	0 41	5 4	0 38	18 59	1 40	9 25	12 3	20 5	20 17	13 26	17 11	6 1		
M13	14 38 5 54	5 14 19 6	1 10	12 59	1 26	16 41	1 19	18 50	0 43	18 0	0 41	5 5	0 38	18 59	1 40	9 25	12 3	20 6	20 18	13 28	17 11	6 1		
T 14	14 19 10 39	5 8 18 41	1 18	12 33	1 26	16 52	1 20	18 51	0 42	17 58	0 41	5 6	0 38	18 59	1 40	9 25	12 3	20 6	20 19	13 30	17 10	6 2		
W15	14 0 14 49	4 42 18 14	1 24	12 7	1 26	17 4	1 20	18 52	0 42	17 56	0 41	5 7	0 37	18 59	1 40	9 25	12 4	20 6	20 19	13 32	17 9	6 2		
T 16	13 42 18 7	4 0 17 45	1 30	11 40	1 26	17 15	1 21	18 54	0 42	17 54	0 41	5 8	0 37	18 59	1 40	9 25	12 4	20 6	20 20	13 34	17 9	6 2		
F 17	13 22 20 18	3 3 17 13	1 34	11 13	1 26	17 26	1 22	18 55	0 42	17 52	0 42	5 9	0 37	18 59	1 40	9 25	12 4	20 5	20 21	13 36	17 8	6 3		
S 18	13 3 21 14	1 55 16 39	1 38	10 46	1 26	17 38	1 22	18 56	0 41	17 50	0 42	5 10	0 37	18 59	1 40	9 24	12 4	20 5	20 21	13 38	17 7	6 3		
S 19	12 44 20 51	0 42 16 3	1 41	10 18	1 26	17 49	1 23	18 57	0 41	17 48	0 42	5 11	0 37	18 59	1 40	9 24	12 5	20 5	20 22	13 40	17 6	6 4		
M20	12 24 19 13	0s33	15 26	1 44	9 50	1 26	18 0	1 23	18 58	0 41	17 46	0 42	5 12	0 37	18 59	1 40	9 24	12 5	20 5	20 23	13 42	17 6	6 4	
T 21	12 4 16 31	1 45 14 47	1 45	9 22	1 26	18 11	1 24	19 0	0 41	17 44	0 42	5 13	0 37	18 59	1 40	9 24	12 5	20 5	20 23	13 44	17 5	6 5		
W22	11 44 12 59	2 50 14 7	1 46	8 54	1 25	18 22	1 24	19 1	0 41	17 42	0 42	5 15	0 37	18 59	1 40	9 24	12 5	20 6	20 24	13 46	17 4	6 5		
T 23	11 24 8 54	3 45 13 25	1 46	8 25	1 25	18 33	1 25	19 2	0 40	17 40	0 42	5 16	0 37	18 59	1 40	9 24	12 5	20 7	20 25	13 48	17 3	6 5		
F 24	11 3 4 30	4 27 12 43	1 45	7 57	1 25	18 44	1 25	19 4	0 40	17 38	0 42	5 17	0 37	18 59	1 40	9 23	12 6	20 8	20 25	13 50	17 3	6 6		
S 25	10 42 0 1	4 55 11 59	1 44	7 27	1 24	18 54	1 26	19 5	0 40	17 36	0 42	5 18	0 37	18 59	1 41	9 23	12 6	20 9	20 26	13 52	17 2	6 6		
S 26	10 22 4n24	5 10 11 15	1 42	6 58	1 24	19 5	1 26	19 7	0 40	17 34	0 42	5 19	0 37	18 59	1 41	9 23	12 6	20 10	20 27	13 54	17 1	6 7		
M27	10 1 8 34	5 10 10 30	1 40	6 29	1 23	19 16	1 27	19 8	0 40	17 32	0 43	5 21	0 37	18 59	1 41	9 23	12 6	20 11	20 27	13 56	17 0	6 7		
T 28	9 39 12 22	4 57 9 45	1 37	5 59	1 22	19 26	1 27	19 10	0 39	17 30	0 43	5 22	0 37	18 59	1 41	9 23	12 7	20 11	20 28	13 58	17 0	6 8		
W29	9 18 15 39	4 31 8 59	1 34	5 29	1 21	19 36	1 28	19 11	0 39	17 28	0 43	5 23	0 37	18 59	1 41	9 23	12 7	20 12	20 29	14 0	16 59	6 8		
T 30	8 57 18 19	3 53 8																						



SWISS EPHEMERIS for the year 1888

SEPTEMBER 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 42 21	8 <sup>m</sup> 56'27"	5 <sup>h</sup> 33'	16 <sup>m</sup> 18'	23 <sup>m</sup> 0'	23 <sup>m</sup> 36'	28 <sup>m</sup> 46'	13 <sup>h</sup> 52'	15 <sup>h</sup> 16'	2 <sup>h</sup> 20'	5 <sup>h</sup> 58'	29 <sup>h</sup> 53'	28 <sup>h</sup> 20'	23 <sup>h</sup> 22'	9 <sup>h</sup> 51'
S 2	22 46 17	9°54'36"	17°58'	18° 6'	24°14'	24°15'	28°52'	13°59'	15°19'	2°20'	5°58'	29°54'	28°17'	23°29'	9°55'
M 3	22 50 14	10°52'46"	0 <sup>h</sup> 51'	19°53'	25°28'	24°53'	28°59'	14° 6'	15°22'	2°20'	5°58'	29°R55'	28°13'	23°35'	9°58'
T 4	22 54 10	11°50'58"	13°47'	21°39'	26°43'	25°32'	29° 6'	14°14'	15°26'	2°20'	5°59'	29°54'	28°10'	23°42'	10° 2'
W 5	22 58 7	12°49'12"	27°15'	23°24'	27°57'	26°11'	29°13'	14°21'	15°29'	2°R20'	5°R59'	29°51'	28° 7'	23°49'	10° 6'
T 6	23 2 3	13°47'28"	11 <sup>m</sup> 6'	25° 7'	29°11'	26°50'	29°20'	14°28'	15°32'	2°20'	5°59'	29°46'	28° 4'	23°56'	10°10'
F 7	23 6 0	14°45'46"	25°16'	26°50'	0 <sup>h</sup> 25'	27°29'	29°28'	14°35'	15°36'	2°20'	5°58'	29°40'	28° 1'	24° 2'	10°13'
S 8	23 9 56	15°44'05"	9 <sup>h</sup> 40'	28°31'	1°39'	28° 8'	29°35'	14°42'	15°39'	2°20'	5°58'	29°33'	27°57'	24° 9'	10°17'
S 9	23 13 53	16°42'26"	24°12'	0 <sup>h</sup> 11'	2°54'	28°48'	29°43'	14°49'	15°42'	2°20'	5°58'	29°25'	27°54'	24°16'	10°20'
M10	23 17 50	17°40'49"	8 <sup>m</sup> 45'	1°50 4° 8'	29°28'	29°51'	14°56'	15°46'	2°19'	5°58'	29°19'	27°51'	24°22'	10°24'	
T 11	23 21 46	18°39'14"	23°14'	3°28'	5°22'	0 <sup>h</sup> 7'	29°59'	15° 3'	15°49'	2°19'	5°58'	29°15'	27°48'	24°29'	10°27'
W12	23 25 43	19°37'40"	7 <sup>m</sup> 33'	5° 4'	6°36'	0°47'	0 <sup>h</sup> 7'	15° 9'	15°53'	2°19'	5°58'	29°12'	27°45'	24°36'	10°30'
T 13	23 29 39	20°36'07"	2°41'	6°40'	7°50'	1°27'	0°15'	15°16'	15°56'	2°19'	5°58'	29°D12'	27°42'	24°43'	10°34'
F 14	23 33 36	21°34'37"	5 <sup>h</sup> 36'	8°15 9° 5'	2° 7'	0°23'	15°23'	16° 0'	2°18'	5°58'	29°12'	27°38'	24°49'	10°37'	
S 15	23 37 32	22°33'08"	19°18'	9°48'	10°19'	2°48'	0°31'	15°30'	16° 3'	2°18'	5°57'	29°13'	27°35'	24°56'	10°40'
S 16	23 41 29	23°31'40"	2 <sup>h</sup> 48'	11°21'	11°33'	3°28'	0°40'	15°36'	16° 7'	2°18'	5°57'	29°R13'	27°32'	25° 3'	10°43'
M17	23 45 25	24°30'14"	16° 5'	12°52'	12°47'	4° 9'	0°49'	15°43'	16°11'	2°17'	5°57'	29°12'	27°29'	25° 9'	10°46'
T 18	23 49 22	25°28'50"	29°11'	14°22'	14° 1'	4°49'	0°57'	15°50'	16°14'	2°17'	5°57'	29° 8'	27°26'	25°16'	10°48'
W19	23 53 19	26°27'28"	12 <sup>h</sup> 6'	15°52'	15°15'	5°30'	1° 6'	15°56'	16°18'	2°16'	5°56'	29° 2'	27°23'	25°23'	10°51'
T 20	23 57 15	27°26'07"	24°49'	17°20'	16°29'	6°11'	1°15'	16° 3'	16°21'	2°16'	5°56'	28°54'	27°19'	25°30'	10°54'
F 21	0 1 12	28°24'49"	7 <sup>m</sup> 21'	18°47'	17°44'	6°52'	1°24'	16° 9'	16°25'	2°15'	5°56'	28°43'	27°16'	25°36'	10°57'
S 22	0 5 8	29°23'32"	19°41'	20°13'	18°58'	7°33'	1°34'	16°15'	16°29'	2°15'	5°55'	28°32'	27°13'	25°43'	10°59'
S 23	0 9 5	0 <sup>h</sup> 22'18"	1 <sup>h</sup> 50'	21°38'	20°12'	8°14'	1°43'	16°22'	16°32'	2°14'	5°55'	28°21'	27°10'	25°50'	11° 2'
M24	0 13 1	1°21'05"	13°51'	23° 2'	21°26'	8°56'	1°52'	16°28'	16°36'	2°14'	5°55'	28°11'	27° 7'	25°56'	11° 4'
T 25	0 16 58	2°19'55"	25°45'	24°25'	22°40'	9°37'	2° 2'	16°34'	16°40'	2°13'	5°54'	28° 3'	27° 3'	26° 3'	11° 6'
W26	0 20 54	3°18'47"	7 <sup>h</sup> 35'	25°47'	23°54'	10°19'	2°12'	16°40'	16°43'	2°12'	5°54'	27°57'	27° 0'	26°10'	11° 8'
T 27	0 24 51	4°17'42"	19°25'	27° 7'	25° 8'	11° 0'	2°21'	16°46'	16°47'	2°12'	5°53'	27°54'	26°57'	26°16'	11°11'
F 28	0 28 47	5°16'39"	1 <sup>h</sup> 22'	28°26'	26°22'	11°42'	2°31'	16°52'	16°51'	2°11'	5°53'	27°D52'	26°54'	26°23'	11°13'
S 29	0 32 44	6°15'38"	13°28'	29°44'	27°37'	12°24'	2°41'	16°58'	16°54'	2°10'	5°52'	27°52'	26°51'	26°30'	11°15'
S 30	0 36 41	7 <sup>h</sup> 14'39"	25 <sup>h</sup> 50'	1 <sup>m</sup> 1'	28 <sup>h</sup> 51'	13 <sup>m</sup> 6'	2 <sup>m</sup> 51'	17 <sup>h</sup> 4'	16 <sup>h</sup> 58'	2 <sup>h</sup> 9'	5 <sup>h</sup> 52'	27°R53'	26 <sup>h</sup> 48'	26 <sup>h</sup> 37'	11 <sup>h</sup> 17'

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
S 1	8n13	21n12	2s 8	6n39	1n21	3n59	1n19	20s 7	1s29	19s16	0n38	17n22	0n43	5s27	0n37	18n59	1s41	9n22	12s 7	20n11	20n30	14n 6	16n56	6s10
S 2	7 51	21 11	1 4	5 52	1 16	3 29	1 18	20 17	1 29	19 18	0 38	17 20	0 43	5 28	0 37	18 59	1 41	9 22	12 8	20 11	20 31	14 8	16 56	6 10
M 3	7 29	20 5	0n 4	5 5	1 11	2 58	1 17	20 27	1 29	19 19	0 38	17 18	0 43	5 29	0 37	18 59	1 41	9 21	12 8	20 11	20 32	14 10	16 55	6 11
T 4	7 7	17 53	1 14	4 19	1 5	2 28	1 16	20 37	1 30	19 21	0 38	17 16	0 43	5 31	0 37	18 59	1 41	9 21	12 8	20 11	20 32	14 12	16 54	6 11
W 5	6 45	14 40	2 23	3 32	0 59	1 57	1 14	20 46	1 30	19 23	0 38	17 14	0 44	5 32	0 37	18 59	1 41	9 21	12 8	20 12	20 33	14 14	16 53	6 12
T 6	6 23	10 33	3 24	2 45	0 53	1 27	1 13	20 56	1 30	19 25	0 38	17 12	0 44	5 33	0 37	18 59	1 41	9 21	12 9	20 13	20 34	14 16	16 52	6 12
F 7	6 0	5 46	4 14	1 59	0 47	0 56	1 12	21 5	1 31	19 26	0 37	17 10	0 44	5 34	0 37	18 59	1 41	9 21	12 9	20 14	20 34	14 18	16 52	6 13
S 8	5 38	0 36	4 49	1 13	0 40	0 25	1 10	21 14	1 31	19 28	0 37	17 8	0 44	5 36	0 37	18 59	1 41	9 20	12 9	20 15	20 35	14 20	16 51	6 13
S 9	5 15	4s38	5 6	0 27	0 34	0s 6	1 9	21 23	1 31	19 30	0 37	17 6	0 44	5 37	0 37	18 59	1 41	9 20	12 9	20 17	20 36	14 22	16 50	6 14
M10	4 52	9 38	5 3	0s19	0 27	0 37	1 7	21 32	1 32	19 32	0 37	17 4	0 44	5 38	0 37	18 59	1 41	9 20	12 9	20 18	20 36	14 24	16 49	6 15
T 11	4 29	14 3	4 41	1 4	0 20	1 8	1 6	21 41	1 32	19 34	0 37	17 2	0 44	5 40	0 37	18 59	1 41	9 20	12 10	20 19	20 37	14 26	16 48	6 15
W12	4 7	17 37	4 2	1 49	0 13	1 38	1 4	21 50	1 32	19 36	0 36	17 0	0 44	5 41	0 37	18 59	1 42	9 19	12 10	20 20	20 37	14 28	16 48	6 16
T 13	3 44	20 4	3 8	2 34	0 5	2 9	1 3	21 58	1 33	19 37	0 36	16 59	0 45	5 43	0 37	18 59	1 42	9 19	12 10	20 20	20 38	14 30	16 47	6 16
F 14	3 21	21 17	2 3	3 18	0s 2	2 40	1 1	22 7	1 33	19 39	0 36	16 57	0 45	5 44	0 37	18 58	1 42	9 19	12 10	20 20	20 39	14 32	16 46	6 17
S 15	2 57	21 11	0 53	4 2	0 9	3 11	0 59	22 15	1 33	19 41	0 36	16 55	0 45	5 45	0 37	18 58	1 42	9 19	12 10	20 20	20 39	14 34	16 45	6 17
S 16	2 34	19 51	0s19	4 45	0 17	3 42	0 57	22 23	1 33	19 43	0 36	16 53	0 45	5 47	0 37	18 58	1 42	9 18	12 11	20 19	20 40	14 36	16 44	6 18
M17	2 11	17 26	1 29	5 28	0 24	4 12	0 55	22 31	1 34	19 45	0 35	16 51	0 45	5 48	0 37	18 58	1 42	9 18	12 11	20 20	20 41	14 38	16 44	6 19
T 18	1 48	14 9	2 33	6 10	0 32	4 43	0 53	22 39	1 34	19 47	0 35	16 49	0 45	5 49	0 37	18 58	1 42	9 18	12 11	20 21	20 41	14 40	16 43	6 19
W19	1 25	10 14	3 28	6 51	0 40	5 13	0 51	22 46	1 34	19 49	0 35	16 47	0 45	5 51	0 37	18 58	1 42	9 18	12 11	20 22	20 42	14 42	16 42	6 20
T 20	1 1	5 55	4 12	7 32	0 47	5 44	0 49	22 54	1 34	19 51	0 35	16 46	0 45	5 52	0 37	18 58	1 42	9 17	12 12	20 24	20 42	14 44	16 41	6 20
F 21	0 38	1 25	4 43	8 13	0 55	6 14	0 47	23 1	1 34	19 53	0 35	16 44	0 46	5 54	0 37	18 58	1 42	9 17	12 12	20 26	20 43	14 46	16 40	6 21
S 22	0 15	3n 5	5 0	8 52	1 3	6 44	0 45	23 8	1 34	19 55	0 35	16 42	0 46	5 55	0 37	18 57	1 42	9 17	12 12	20 28	20 44	14 48	16 40	6 22
S 23	0s 9	7 23	5 3	9 31	1 10	7 14	0 43	23 15	1 35	19 57	0 34	16 40	0 46	5 57	0 37	18 57	1 42	9 17	12 12	20 30	20 44	14 50	16 39	6 22
M24	0 32	11 21	4 52	10 10	1 18	7 44	0 41	23 22	1 35	19 59	0 34	16 39	0 46	5 58	0 37	18 57	1 42	9 16	12 12	20 32	20 45	14 52	16 38	6 23
T 25	0 56	14 51	4 29	10 47	1 25	8 14	0 38	23 28	1 35	20 1	0 34	16 37	0 46	5 59	0 37	18 57	1 42	9 16	12 13	20 34	20 46	14 54	16 37	6 23
W26	1 19	17 44	3 54	11 24	1 33	8 43	0 36	23 34	1 35	20 4	0 34	16 35	0 46	6 1	0 37	18 57	1 42	9 16	12 13	20 35	20 46	14 56	16 36	6 24
T 27	1 42	19 53	3 10	12 0	1 40	9 13	0 34	23 41	1 35	20 6	0 34	16 33	0 46	6 2	0 37	18 56	1 42	9 16	12 13	20 36	20 47	14 58	16 36	6 25
F 28	2 6	21 11	2 16	12 36	1 47	9 42	0 31	23 47	1 35	20 8	0 34	16 32	0 47	6 4	0 37	18 56	1 42	9 15	12 13	20 36	20 47	15 0	16 35	6

SWISS EPHEMERIS for the year 1888

OCTOBER 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	0 40 37	8♌13'43	8♌34	2♋16	0♋ 5	13♌48	3♌ 2	17♌10	17♌ 2	2°R 8	5°R51	27°R52	26♌44	26♌43	11♌18
T 2	0 44 34	9°12'49	21°42	3°30	1°19	14°30	3°12	17°16	17° 6	2II 8	5II51	27♌50	26°41	26°50	11°20
W 3	0 48 30	10°11'57	5♎18	4°42	2°33	15°13	3°22	17°21	17° 9	2° 7	5°50	27°45	26°38	26°57	11°22
T 4	0 52 27	11°11'07	19°21	5°52	3°47	15°55	3°33	17°27	17°13	2° 6	5°50	27°38	26°35	27° 3	11°23
F 5	0 56 23	12°10'20	3♌49	7° 0	5° 1	16°38	3°43	17°32	17°17	2° 5	5°49	27°28	26°32	27°10	11°25
S 6	1 0 20	13° 9'35	18°37	8° 7	6°15	17°20	3°54	17°38	17°21	2° 4	5°48	27°17	26°28	27°17	11°26
S 7	1 4 16	14° 8'51	3♋34	9°11	7°29	18° 3	4° 5	17°43	17°25	2° 3	5°48	27° 6	26°25	27°23	11°28
M 8	1 8 13	15° 8'10	18°33	10°13	8°43	18°46	4°16	17°49	17°28	2° 2	5°47	26°56	26°22	27°30	11°29
T 9	1 12 10	16° 7'31	3♌24	11°12	9°57	19°29	4°26	17°54	17°32	2° 1	5°47	26°49	26°19	27°37	11°30
W10	1 16 6	17° 6'53	17°59	12° 9	11°11	20°12	4°37	17°59	17°36	2° 0	5°46	26°44	26°16	27°44	11°31
T 11	1 20 3	18° 6'17	2♌16	13° 3	12°25	20°55	4°49	18° 4	17°40	1°59	5°45	26°41	26°13	27°50	11°32
F 12	1 23 59	19° 5'43	16°11	13°53	13°40	21°38	5° 0	18° 9	17°44	1°58	5°44	26°41	26° 9	27°57	11°33
S 13	1 27 56	20° 5'11	29°47	14°39	14°54	22°22	5°11	18°14	17°47	1°56	5°44	26°41	26° 6	28° 4	11°34
S 14	1 31 52	21° 4'41	13♌ 4	15°22	16° 8	23° 5	5°22	18°19	17°51	1°55	5°43	26°40	26° 3	28°10	11°34
M15	1 35 49	22° 4'12	26° 5	16° 0	17°22	23°49	5°34	18°24	17°55	1°54	5°42	26°37	26° 0	28°17	11°35
T 16	1 39 45	23° 3'45	8♌52	16°33	18°36	24°32	5°45	18°28	17°59	1°53	5°41	26°32	25°57	28°24	11°35
W17	1 43 42	24° 3'19	21°28	17° 1	19°50	25°16	5°57	18°33	18° 2	1°52	5°41	26°24	25°54	28°31	11°36
T 18	1 47 39	25° 2'56	3♌55	17°23	21° 4	26° 0	6° 8	18°38	18° 6	1°50	5°40	26°13	25°50	28°37	11°36
F 19	1 51 35	26° 2'34	16°12	17°39	22°17	26°43	6°20	18°42	18°10	1°49	5°39	26° 0	25°47	28°44	11°36
S 20	1 55 32	27° 2'15	28°21	17°47	23°31	27°27	6°32	18°46	18°14	1°48	5°38	25°45	25°44	28°51	11°37
S 21	1 59 28	28° 1'57	10♌23	17°R49	24°45	28°11	6°44	18°51	18°17	1°46	5°37	25°31	25°41	28°57	11°R37
M22	2 3 25	29° 1'42	22°19	17°42	25°59	28°55	6°56	18°55	18°21	1°45	5°36	25°18	25°38	29° 4	11°37
T 23	2 7 21	0♋ 1'29	4II10	17°26	27°13	29°40	7° 8	18°59	18°25	1°44	5°35	25° 7	25°34	29°11	11°37
W24	2 11 18	1° 1'17	15°59	17° 2	28°27	0♌24	7°20	19° 3	18°29	1°42	5°35	24°59	25°31	29°17	11°36
T 25	2 15 14	2° 1'09	27°49	16°28	29°41	1° 8	7°32	19° 7	18°32	1°41	5°34	24°54	25°28	29°24	11°36
F 26	2 19 11	3° 1'02	9♌43	15°45	0♌55	1°52	7°44	19°11	18°36	1°39	5°33	24°51	25°25	29°31	11°36
S 27	2 23 8	4° 0'57	21°47	14°54	2° 9	2°37	7°56	19°15	18°40	1°38	5°32	24°D50	25°22	29°37	11°35
S 28	2 27 4	5° 0'55	4♌ 6	13°54	3°23	3°21	8° 9	19°18	18°43	1°36	5°31	24°R50	25°19	29°44	11°35
M29	2 31 1	6° 0'54	16°44	12°47	4°36	4° 6	8°21	19°22	18°47	1°35	5°30	24°50	25°15	29°51	11°34
T 30	2 34 57	7° 0'56	29°47	11°35	5°50	4°51	8°33	19°25	18°51	1°33	5°29	24°48	25°12	29°58	11°33
W31	2 38 54	8♋ 1'00	13♎19	10♋18	7♌ 4	5♌35	8♌46	19°29	18°54	1II32	5II28	24♌44	25♌ 9	0II 4	11♌33

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	3s16	19n 2	0n56	14s16	2s 8	11s 8	0n24	24s 3	1s36	20s14	0n33	16n27	0n47	6s 8	0n36	18n56	1s42	9n15	12s14	20n36	20n49	15n 6	16n32	6s27
T 2	3 39	16 13	2 3	14 48	2 15	11 36	0 22	24 8	1 36	20 16	0 33	16 25	0 47	6 9	0 36	18 55	1 42	9 14	12 14	20 36	20 50	15 8	16 32	6 28
W 3	4 2	12 26	3 5	15 19	2 21	12 4	0 19	24 13	1 36	20 18	0 33	16 24	0 47	6 11	0 36	18 55	1 43	9 14	12 14	20 37	20 50	15 9	16 31	6 28
T 4	4 26	7 51	3 57	15 48	2 28	12 32	0 17	24 18	1 36	20 20	0 33	16 22	0 47	6 12	0 36	18 55	1 43	9 14	12 14	20 39	20 51	15 11	16 30	6 29
F 5	4 49	2 42	4 36	16 17	2 34	12 59	0 14	24 22	1 36	20 23	0 32	16 20	0 48	6 14	0 36	18 55	1 43	9 14	12 14	20 41	20 52	15 13	16 29	6 30
S 6	5 12	2s42	4 58	16 44	2 39	13 26	0 11	24 26	1 36	20 25	0 32	16 19	0 48	6 15	0 36	18 55	1 43	9 13	12 15	20 43	20 52	15 15	16 29	6 30
S 7	5 35	8 1	4 59	17 10	2 45	13 53	0 9	24 30	1 36	20 27	0 32	16 17	0 48	6 17	0 36	18 54	1 43	9 13	12 15	20 45	20 53	15 17	16 28	6 31
M 8	5 58	12 52	4 40	17 35	2 50	14 19	0 6	24 34	1 36	20 29	0 32	16 16	0 48	6 18	0 36	18 54	1 43	9 13	12 15	20 47	20 53	15 19	16 27	6 32
T 9	6 21	16 53	4 2	17 58	2 55	14 45	0 3	24 38	1 36	20 31	0 32	16 14	0 48	6 20	0 36	18 54	1 43	9 12	12 15	20 48	20 54	15 21	16 26	6 32
W10	6 44	19 46	3 9	18 20	2 59	15 11	0 1	24 41	1 36	20 33	0 32	16 13	0 48	6 21	0 36	18 54	1 43	9 12	12 15	20 49	20 55	15 23	16 26	6 33
T 11	7 6	21 21	2 5	18 40	3 3	15 36	0s 2	24 44	1 36	20 36	0 32	16 12	0 49	6 22	0 36	18 53	1 43	9 12	12 15	20 50	20 55	15 25	16 25	6 34
F 12	7 29	21 33	0 55	18 58	3 6	16 1	0 5	24 47	1 36	20 38	0 31	16 10	0 49	6 24	0 36	18 53	1 43	9 12	12 16	20 50	20 56	15 27	16 24	6 34
S 13	7 51	20 29	0s16	19 15	3 9	16 26	0 8	24 50	1 36	20 40	0 31	16 9	0 49	6 25	0 36	18 53	1 43	9 11	12 16	20 50	20 56	15 29	16 23	6 35
S 14	8 14	18 16	1 25	19 30	3 11	16 50	0 10	24 52	1 36	20 42	0 31	16 7	0 49	6 27	0 36	18 53	1 43	9 11	12 16	20 50	20 57	15 31	16 23	6 36
M15	8 36	15 10	2 29	19 42	3 12	17 14	0 13	24 54	1 36	20 44	0 31	16 6	0 49	6 28	0 36	18 52	1 43	9 11	12 16	20 51	20 58	15 33	16 22	6 36
T 16	8 58	11 23	3 23	19 53	3 13	17 37	0 16	24 56	1 36	20 46	0 31	16 5	0 49	6 30	0 36	18 52	1 43	9 11	12 16	20 52	20 58	15 34	16 21	6 37
W17	9 20	7 9	4 6	20 1	3 13	18 0	0 19	24 58	1 36	20 48	0 31	16 4	0 50	6 31	0 36	18 52	1 43	9 10	12 16	20 53	20 59	15 36	16 21	6 38
T 18	9 42	2 41	4 37	20 6	3 12	18 23	0 21	24 59	1 35	20 51	0 31	16 2	0 50	6 33	0 36	18 51	1 43	9 10	12 16	20 55	20 59	15 38	16 20	6 38
F 19	10 4	1n50	4 55	20 8	3 10	18 45	0 24	25 0	1 35	20 53	0 30	16 1	0 50	6 34	0 36	18 51	1 43	9 10	12 17	20 58	21 0	15 40	16 19	6 39
S 20	10 25	6 14	4 59	20 7	3 6	19 6	0 27	25 1	1 35	20 55	0 30	16 0	0 50	6 35	0 36	18 51	1 43	9 9	12 17	21 0	21 1	15 42	16 19	6 40
S 21	10 47	10 21	4 50	20 3	3 2	19 27	0 30	25 2	1 35	20 57	0 30	15 59	0 50	6 37	0 36	18 51	1 43	9 9	12 17	21 1	3 21	1 15 44	16 18	6 40
M22	11 8	14 3	4 27	19 55	2 55	19 47	0 33	25 2	1 35	20 59	0 30	15 58	0 50	6 38	0 36	18 50	1 43	9 9	12 17	21 1	5 21	2 15 46	16 17	6 41
T 23	11 29	17 10	3 54	19 44	2 48	20 7	0 35	25 2	1 35	21 1	0 30	15 56	0 51	6 40	0 36	18 50	1 43	9 9	12 17	21 1	7 21	2 15 48	16 17	6 41
W24	11 50	19 34	3 10	19 28	2 39	20 27	0 38	25 2	1 35	21 3	0 30	15 55	0 51	6 41	0 36	18 50	1 43	9 8	12 17	21 1	9 21	3 15 50	16 16	6 42
T 25	12 11	21 8	2 18	19 8	2 28	20 46	0 41	25 1	1 35	21 6	0 30	15 54	0 51	6 43	0 36	18 49	1 43	9 8	12 17	21 10	21 3	15 52	16 15	6 43
F 26	12 31	21 47	1 19	18 43	2 15	21 4	0 44	25 1	1 34	21 8	0 29	15 53	0 51	6 44	0 36	18 49	1 43	9 8	12 17	21 10	21 4	15 53	16 15	6 43
S 27	12 52	21 25	0 16	18 14	2 1	21 21	0 46	25 0	1 34	21 10	0 29	15 52	0 51	6 45	0 36	18 49	1 43	9 8	12 18	21 10	21 5	15 55	16 14	6 44
S 28	13 12	20 2	0n49	17 41	1 45	21 39	0 49	24 59	1 34	21 12	0 29	15 51	0 51	6 47	0 36	18 48	1 43	9 7	12 18	21 10	21 5	15 57	16 14	6 45
M29	13 32	17 38																						

SWISS EPHEMERIS for the year 1888

NOVEMBER 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 42 50	9♐ 1'06	27♏22	9°R 0	8♌18	6♋20	8♌58	19♏32	18♏58	1°R30	5°R27	24°R37	25♏ 6	0♐11	11°R32
F 2	2 46 47	10° 1'15	11♏53	7♐43	9°32	7° 5	9°11	19°35	19° 2	1♐29	5♐26	24♏28	25° 3	0°18	11♏31
S 3	2 50 43	11° 1'25	26°49	6°28	10°46	7°50	9°24	19°38	19° 5	1°27	5°25	24°17	25° 0	0°24	11°30
S 4	2 54 40	12° 1'37	12♐ 0	5°20	11°59	8°35	9°36	19°41	19° 9	1°26	5°24	24° 6	24°56	0°31	11°29
M 5	2 58 37	13° 1'51	27°17	4°19	13°13	9°20	9°49	19°44	19°12	1°24	5°23	23°56	24°53	0°38	11°27
T 6	3 2 33	14° 2'07	12♌27	3°28	14°27	10° 5	10° 2	19°47	19°16	1°23	5°22	23°48	24°50	0°44	11°26
W 7	3 6 30	15° 2'24	27°22	2°47	15°41	10°50	10°15	19°49	19°19	1°21	5°21	23°43	24°47	0°51	11°25
T 8	3 10 26	16° 2'43	11♋54	2°17	16°54	11°36	10°28	19°52	19°23	1°19	5°20	23°41	24°44	0°58	11°23
F 9	3 14 23	17° 3'03	26° 1	2° 0	18° 8	12°21	10°40	19°54	19°26	1°18	5°19	23°D40	24°40	1° 5	11°21
S 10	3 18 19	18° 3'25	9♎42	1°D53	19°22	13° 6	10°53	19°57	19°30	1°16	5°18	23°41	24°37	1°11	11°20
S 11	3 22 16	19° 3'48	22°59	1°58	20°36	13°52	11° 6	19°59	19°33	1°14	5°16	23°R41	24°34	1°18	11°18
M12	3 26 12	20° 4'13	5♌55	2°14	21°49	14°37	11°19	20° 1	19°37	1°13	5°15	23°40	24°31	1°25	11°16
T 13	3 30 9	21° 4'39	18°33	2°39	23° 3	15°23	11°33	20° 3	19°40	1°11	5°14	23°36	24°28	1°31	11°14
W14	3 34 6	22° 5'06	0♏58	3°14	24°17	16° 8	11°46	20° 5	19°43	1° 9	5°13	23°30	24°25	1°38	11°12
T 15	3 38 2	23° 5'34	13°12	3°56	25°30	16°54	11°59	20° 7	19°47	1° 8	5°12	23°21	24°21	1°45	11°10
F 16	3 41 59	24° 6'04	25°18	4°46	26°44	17°40	12°12	20° 9	19°50	1° 6	5°11	23°11	24°18	1°51	11° 8
S 17	3 45 55	25° 6'35	7♉17	5°41	27°57	18°26	12°25	20°10	19°53	1° 4	5°10	22°59	24°15	1°58	11° 6
S 18	3 49 52	26° 7'08	19°13	6°43	29°11	19°11	12°38	20°12	19°57	1° 3	5° 9	22°47	24°12	2° 5	11° 4
M19	3 53 48	27° 7'43	1♐ 4	7°49	0♋24	19°57	12°52	20°13	20° 0	1° 1	5° 8	22°37	24° 9	2°12	11° 1
T 20	3 57 45	28° 8'18	12°55	8°59	1°38	20°43	13° 5	20°14	20° 3	0°59	5° 6	22°28	24° 5	2°18	10°59
W21	4 1 41	29° 8'56	24°45	10°13	2°51	21°29	13°18	20°16	20° 6	0°58	5° 5	22°22	24° 2	2°25	10°56
T 22	4 5 38	0♌ 9'35	6♏38	11°29	4° 5	22°15	13°32	20°17	20° 9	0°56	5° 4	22°18	23°59	2°32	10°54
F 23	4 9 35	1°10'15	18°35	12°49	5°18	23° 1	13°45	20°18	20°12	0°54	5° 3	22°D16	23°56	2°38	10°51
S 24	4 13 31	2°10'57	0♎42	14°10	6°31	23°47	13°59	20°18	20°15	0°53	5° 2	22°17	23°53	2°45	10°48
S 25	4 17 28	3°11'41	13° 1	15°34	7°45	24°33	14°12	20°19	20°19	0°51	5° 1	22°18	23°50	2°52	10°45
M26	4 21 24	4°12'26	25°37	16°59	8°58	25°19	14°25	20°20	20°22	0°49	5° 0	22°19	23°46	2°58	10°43
T 27	4 25 21	5°13'13	8♏35	18°25	10°11	26° 5	14°39	20°20	20°24	0°47	4°59	22°R19	23°43	3° 5	10°40
W28	4 29 17	6°14'01	21°58	19°52	11°25	26°52	14°52	20°21	20°27	0°46	4°57	22°18	23°40	3°12	10°37
T 29	4 33 14	7°14'51	5♏50	21°21	12°38	27°38	15° 6	20°21	20°30	0°44	4°56	22°15	23°37	3°18	10°33
F 30	4 37 10	8♌15'42	20♏10	22♐50	13♋51	28♋24	15♌19	20♎21	20♏33	0♐42	4♐55	22♏10	23♏34	3♐25	10♏30

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14s31	5n 9	4n29	14s56	0s28	22s41	1s 0	24s51	1s33	21s20	0n29	15n48	0n52	6s52	0n36	18n47	1s43	9n 6	12s18	21n13	21n 8	16n 5	16n11	6s47
F 2	14 50	0s11	4 54	14 12	0 7	22 55	1 2	24 49	1 33	21 22	0 29	15 47	0 52	6 54	0 36	18 47	1 43	9 6	12 18	21 14	21 8	16 7	16 11	6 48
S 3	15 9	5 39	5 1	13 28	0n14	23 8	1 5	24 46	1 33	21 24	0 28	15 46	0 52	6 55	0 36	18 46	1 43	9 6	12 18	21 16	21 9	16 8	16 10	6 49
S 4	15 27	10 53	4 47	12 47	0 33	23 21	1 7	24 43	1 33	21 26	0 28	15 45	0 53	6 56	0 36	18 46	1 43	9 6	12 18	21 18	21 9	16 10	16 10	6 49
M 5	15 46	15 28	4 13	12 9	0 52	23 33	1 10	24 40	1 32	21 28	0 28	15 45	0 53	6 58	0 36	18 46	1 43	9 5	12 18	21 20	21 10	16 12	16 9	6 50
T 6	16 4	18 59	3 20	11 36	1 9	23 45	1 12	24 36	1 32	21 30	0 28	15 44	0 53	6 59	0 36	18 45	1 44	9 5	12 18	21 21	21 10	16 14	16 9	6 50
W 7	16 21	21 11	2 15	11 7	1 24	23 55	1 15	24 32	1 32	21 32	0 28	15 43	0 53	7 0	0 36	18 45	1 44	9 5	12 18	21 22	21 11	16 16	16 8	6 51
T 8	16 39	21 53	1 2	10 44	1 38	24 5	1 17	24 28	1 32	21 34	0 28	15 43	0 53	7 2	0 36	18 45	1 44	9 5	12 19	21 23	21 12	16 18	16 8	6 52
F 9	16 56	21 10	0s13	10 27	1 50	24 15	1 20	24 24	1 31	21 36	0 28	15 42	0 54	7 3	0 36	18 44	1 44	9 4	12 19	21 23	21 12	16 20	16 7	6 52
S 10	17 13	19 11	1 24	10 16	2 0	24 23	1 22	24 19	1 31	21 38	0 28	15 41	0 54	7 4	0 36	18 44	1 44	9 4	12 19	21 23	21 13	16 21	16 7	6 53
S 11	17 30	16 13	2 29	10 10	2 7	24 31	1 24	24 14	1 31	21 40	0 28	15 41	0 54	7 6	0 36	18 44	1 44	9 4	12 19	21 23	21 13	16 23	16 6	6 53
M12	17 46	12 32	3 25	10 10	2 14	24 38	1 26	24 9	1 30	21 42	0 27	15 40	0 54	7 7	0 37	18 43	1 44	9 4	12 19	21 23	21 14	16 25	16 6	6 54
T 13	18 2	8 21	4 9	10 14	2 18	24 45	1 29	24 3	1 30	21 44	0 27	15 40	0 54	7 8	0 37	18 43	1 44	9 4	12 19	21 23	21 14	16 27	16 5	6 55
W14	18 18	3 55	4 41	10 23	2 21	24 50	1 31	23 58	1 30	21 46	0 27	15 39	0 55	7 9	0 37	18 43	1 44	9 3	12 19	21 24	21 15	16 29	16 5	6 55
T 15	18 33	0n37	4 59	10 36	2 23	24 55	1 33	23 52	1 29	21 47	0 27	15 39	0 55	7 11	0 37	18 42	1 44	9 3	12 19	21 26	21 15	16 31	16 5	6 56
F 16	18 48	5 5	5 4	10 52	2 23	25 0	1 35	23 46	1 29	21 49	0 27	15 39	0 55	7 12	0 37	18 42	1 44	9 3	12 19	21 28	21 16	16 33	16 4	6 56
S 17	19 3	9 18	4 55	11 11	2 22	25 3	1 37	23 39	1 29	21 51	0 27	15 38	0 55	7 13	0 37	18 42	1 44	9 3	12 19	21 30	21 17	16 34	16 4	6 57
S 18	19 18	13 10	4 33	11 33	2 20	25 6	1 39	23 32	1 28	21 53	0 27	15 38	0 55	7 14	0 37	18 41	1 44	9 3	12 19	21 32	21 17	16 36	16 4	6 57
M19	19 32	16 29	3 59	11 57	2 18	25 8	1 41	23 25	1 28	21 55	0 27	15 38	0 55	7 15	0 37	18 41	1 44	9 2	12 19	21 33	21 18	16 38	16 3	6 58
T 20	19 45	19 8	3 15	12 22	2 15	25 9	1 42	23 18	1 28	21 57	0 27	15 38	0 56	7 17	0 37	18 41	1 44	9 2	12 19	21 35	21 18	16 40	16 3	6 58
W21	19 59	20 59	2 22	12 49	2 11	25 10	1 44	23 10	1 27	21 58	0 26	15 37	0 56	7 18	0 37	18 40	1 44	9 2	12 19	21 36	21 19	16 42	16 3	6 59
T 22	20 12	21 54	1 23	13 17	2 6	25 9	1 46	23 3	1 27	22 0	0 26	15 37	0 56	7 19	0 37	18 40	1 44	9 2	12 19	21 36	21 19	16 44	16 2	6 59
F 23	20 24	21 50	0 20	13 46	2 1	25 8	1 48	22 55	1 27	22 2	0 26	15 37	0 56	7 20	0 37	18 40	1 44	9 2	12 19	21 37	21 20	16 45	16 2	7 0
S 24	20 37	20 45	0n45	14 16	1 55	25 6	1 49	22 46	1 26	22 3	0 26	15 37	0 56	7 21	0 37	18 39	1 44	9 2	12 19	21 37	21 20	16 47	16 2	7 0
S 25	20 48	18 40	1 50	14 46	1 50	25 4	1 51	22 38	1 26	22 5	0 26	15 37	0 57	7 22	0 37	18 39	1 44	9 1	12 19	21 36	21 21	16 49	16 1	7 1
M26	21 0	15 40	2 50	15 16	1 43	25 1	1 52	22 29	1 25	22 7	0 26	15 37	0 57	7 24	0 37	18 39	1 44	9 1	12 19	21 36	21 22	16 51	16 1	7 1
T 27	21 11	11 49	3 44	15 46	1 37	24 57	1 53	22 20	1 25	22 8	0 26	15 37	0 57	7 25	0 37	18 38	1 44	9 1	12 19	21 36	21 22	16 53	16 1	7 2
W28	21 22	7 17	4 27	16 16	1 30	24 52	1 55	22 11	1 25	22 10	0 26	15 37	0 57	7 26	0 37	18 38	1 44	9 1	12 19	21 36	21 23	16 54	16 1	7 2
T 29	21 32	2 14	4 57	16 46	1 24	24 46	1 56	22 1	1 24	22 12	0 26	15 37	0 57	7 27	0 37	18 38	1 44	9 1	12 19	21 37	21			

SWISS EPHEMERIS for the year 1888

DECEMBER 1888

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 41 7	9♌16'34	4♍56	24♎20	15♏4	29♐10	15♑33	20°R21	20♒36	0°R41	4°R54	22°R 3	23♓31	3♈32	10°R27
S 2	4 45 4	10°17'28	20° 2	25°50	16°17	29°57	15°47	20♑21	20°39	0♐39	4♏53	21♓57	23°27	3°39	10♓24
M 3	4 49 0	11°18'24	5♌18	27°21	17°31	0♐43	16° 0	20°21	20°42	0°37	4°52	21°50	23°24	3°45	10°21
T 4	4 52 57	12°19'20	20°34	28°52	18°44	1°30	16°14	20°20	20°44	0°36	4°51	21°46	23°21	3°52	10°17
W 5	4 56 53	13°20'17	5♌40	0♐23	19°57	2°16	16°27	20°20	20°47	0°34	4°49	21°43	23°18	3°59	10°14
T 6	5 0 50	14°21'16	20°26	1°55	21°10	3° 3	16°41	20°20	20°50	0°32	4°48	21°D42	23°15	4° 5	10°10
F 7	5 4 46	15°22'15	4♌47	3°27	22°23	3°49	16°54	20°19	20°52	0°31	4°47	21°42	23°11	4°12	10° 7
S 8	5 8 43	16°23'14	18°40	4°59	23°36	4°36	17° 8	20°18	20°55	0°29	4°46	21°44	23° 8	4°19	10° 3
S 9	5 12 39	17°24'14	2♌6	6°32	24°48	5°22	17°22	20°17	20°57	0°28	4°45	21°45	23° 5	4°25	10° 0
M10	5 16 36	18°25'15	15° 6	8° 4	26° 1	6° 9	17°35	20°16	21° 0	0°26	4°44	21°R46	23° 2	4°32	9°56
T 11	5 20 33	19°26'16	27°46	9°37	27°14	6°56	17°49	20°15	21° 2	0°24	4°43	21°46	22°59	4°39	9°52
W12	5 24 29	20°27'18	10♌8	11°10	28°27	7°42	18° 2	20°14	21° 4	0°23	4°42	21°44	22°56	4°45	9°48
T 13	5 28 26	21°28'20	22°17	12°43	29°39	8°29	18°16	20°13	21° 7	0°21	4°41	21°41	22°52	4°52	9°45
F 14	5 32 22	22°29'23	4♌16	14°16	0♐52	9°15	18°30	20°11	21° 9	0°20	4°40	21°36	22°49	4°59	9°41
S 15	5 36 19	23°30'26	16°10	15°49	2° 5	10° 2	18°43	20°10	21°11	0°18	4°38	21°31	22°46	5° 5	9°37
S 16	5 40 15	24°31'30	28° 1	17°22	3°17	10°49	18°57	20° 8	21°14	0°17	4°37	21°26	22°43	5°12	9°33
M17	5 44 12	25°32'34	9♏51	18°55	4°29	11°36	19°10	20° 6	21°16	0°15	4°36	21°21	22°40	5°19	9°29
T 18	5 48 8	26°33'39	21°43	20°29	5°42	12°22	19°24	20° 5	21°18	0°14	4°35	21°18	22°37	5°26	9°25
W19	5 52 5	27°34'44	3♓38	22° 3	6°54	13° 9	19°38	20° 3	21°20	0°12	4°34	21°15	22°33	5°32	9°21
T 20	5 56 2	28°35'50	15°39	23°37	8° 6	13°56	19°51	20° 1	21°22	0°11	4°33	21°D14	22°30	5°39	9°17
F 21	5 59 58	29°36'57	27°47	25°11	9°18	14°43	20° 5	19°59	21°24	0° 9	4°32	21°14	22°27	5°46	9°13
S 22	6 3 55	0♓38'04	10♏3	26°45	10°31	15°29	20°18	19°56	21°26	0° 8	4°31	21°15	22°24	5°52	9° 9
S 23	6 7 51	1°39'11	22°32	28°20	11°43	16°16	20°32	19°54	21°28	0° 6	4°30	21°16	22°21	5°59	9° 5
M24	6 11 48	2°40'19	5♏15	29°54	12°54	17° 3	20°45	19°52	21°29	0° 5	4°29	21°18	22°17	6° 6	9° 1
T 25	6 15 44	3°41'28	18°15	1♓29	14° 6	17°50	20°59	19°49	21°31	0° 4	4°28	21°19	22°14	6°12	8°57
W26	6 19 41	4°42'37	1♌35	3° 5	15°18	18°37	21°12	19°46	21°33	0° 2	4°27	21°R20	22°11	6°19	8°53
T 27	6 23 37	5°43'46	15°16	4°40	16°30	19°23	21°25	19°44	21°35	0° 1	4°26	21°20	22° 8	6°26	8°49
F 28	6 27 34	6°44'56	29°21	6°16	17°41	20°10	21°39	19°41	21°36	29♌59	4°25	21°19	22° 5	6°32	8°45
S 29	6 31 31	7°46'07	13♌48	7°52	18°53	20°57	21°52	19°38	21°38	29°58	4°24	21°17	22° 2	6°39	8°40
S 30	6 35 27	8°47'18	28°33	9°29	20° 4	21°44	22° 6	19°35	21°39	29°57	4°23	21°16	21°58	6°46	8°36
MB1	6 39 24	9♓48'29	13♌30	11♓6	21♓16	22♓31	22♌19	19♏32	21♒41	29♌56	4♏23	21♓14	21♓55	6♏52	8♓32

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	21s51	8s26	5n 2	17s44	1n10	24s33	1s58	21s41	1s23	22s15	0n26	15n38	0n58	7s29	0n37	18n37	1s44	9n 0	12s18	21n39	21n24	17n 0	16n 0	7s 4
S 2	22 0 13	22 4 33	18 13	1 2	24 26	1 59	21 31	1 23	22 16	0 25	15 38	0 58	7 30	0 37	18 37	1 43	9 0	12 18	21 40	21 25	17 2	16 0	7 4	
M 3	22 9 17	30 3 45	18 41	0 55	24 17	2 0	21 21	1 22	22 18	0 25	15 38	0 58	7 31	0 37	18 36	1 43	9 0	12 18	21 41	21 25	17 3	16 0	7 5	
T 4	22 17 20	26 2 41	19 8	0 48	24 8	2 1	21 10	1 22	22 19	0 25	15 38	0 58	7 32	0 37	18 36	1 43	9 0	12 18	21 42	21 26	17 5	16 0	7 5	
W 5	22 25 21	54 1 26	19 35	0 41	23 58	2 1	20 59	1 21	22 21	0 25	15 39	0 59	7 33	0 37	18 36	1 43	9 0	12 18	21 42	21 26	17 7	15 59	7 5	
T 6	22 32 21	47 0 7	20 1	0 34	23 48	2 2	20 48	1 21	22 22	0 25	15 39	0 59	7 34	0 37	18 35	1 43	9 0	12 18	21 42	21 27	17 9	15 59	7 6	
F 7	22 39 20	14 1s11	20 14	0 26	23 37	2 3	20 37	1 20	22 24	0 25	15 39	0 59	7 35	0 37	18 35	1 43	9 0	12 18	21 42	21 28	17 11	15 59	7 6	
S 8	22 45 17	29 2 22	20 50	0 19	23 25	2 3	20 25	1 20	22 25	0 25	15 40	0 59	7 36	0 37	18 35	1 43	9 0	12 18	21 42	21 28	17 12	15 59	7 6	
S 9	22 51 13	53 3 23	21 13	0 12	23 12	2 4	20 13	1 19	22 26	0 25	15 40	0 59	7 37	0 37	18 34	1 43	9 0	12 18	21 42	21 29	17 14	15 59	7 7	
M10	22 57 9	44 4 11	21 35	0 5	22 59	2 4	20 1	1 19	22 28	0 25	15 41	1 0	7 38	0 37	18 34	1 43	8 59	12 18	21 42	21 29	17 16	15 59	7 7	
T 11	23 2 5 16	4 46	21 56	0s 2	22 45	2 4	19 49	1 18	22 29	0 25	15 41	1 0	7 38	0 37	18 34	1 43	8 59	12 18	21 42	21 30	17 18	15 59	7 7	
W12	23 7 0 41	5 6	22 17	0 9	22 31	2 4	19 36	1 18	22 30	0 25	15 42	1 0	7 39	0 37	18 33	1 43	8 59	12 18	21 42	21 30	17 19	15 59	7 8	
T 13	23 11 3n50	5 13	22 36	0 16	22 15	2 4	19 24	1 17	22 32	0 24	15 42	1 0	7 40	0 37	18 33	1 43	8 59	12 17	21 42	21 31	17 21	15 59	7 8	
F 14	23 14 8 9	5 5	22 54	0 23	22 0	2 4	19 11	1 17	22 33	0 24	15 43	1 0	7 41	0 37	18 33	1 43	8 59	12 17	21 43	21 31	17 23	15 59	7 8	
S 15	23 18 12 8	4 45	23 11	0 29	21 43	2 4	18 58	1 16	22 34	0 24	15 44	1 1	7 42	0 37	18 33	1 43	8 59	12 17	21 44	21 32	17 25	15 59	7 9	
S 16	23 20 15 38	4 12	23 27	0 36	21 26	2 4	18 45	1 16	22 35	0 24	15 44	1 1	7 43	0 37	18 32	1 43	8 59	12 17	21 45	21 32	17 26	15 59	7 9	
M17	23 23 18 31	3 28	23 41	0 42	21 9	2 3	18 31	1 15	22 37	0 24	15 45	1 1	7 43	0 37	18 32	1 43	8 59	12 17	21 45	21 33	17 28	15 59	7 9	
T 18	23 24 20 37	2 35	23 55	0 48	20 51	2 3	18 18	1 15	22 38	0 24	15 46	1 1	7 44	0 37	18 32	1 43	8 59	12 17	21 46	21 33	17 30	15 59	7 9	
W19	23 26 21 49	1 35	24 7	0 54	20 32	2 2	18 4	1 14	22 39	0 24	15 47	1 1	7 45	0 37	18 31	1 43	8 59	12 17	21 46	21 34	17 32	15 59	7 10	
T 20	23 27 22 2	0 31	24 18	1 0	20 12	2 2	17 50	1 13	22 40	0 24	15 47	1 2	7 46	0 37	18 31	1 43	8 59	12 17	21 47	21 34	17 33	15 59	7 10	
F 21	23 27 21 12	0n36	24 28	1 6	19 53	2 1	17 36	1 13	22 41	0 24	15 48	1 2	7 46	0 37	18 31	1 43	8 59	12 16	21 47	21 35	17 35	15 59	7 10	
S 22	23 27 19 22	1 42	24 36	1 11	19 32	2 0	17 21	1 12	22 42	0 24	15 49	1 2	7 47	0 37	18 31	1 43	8 59	12 16	21 46	21 35	17 37	15 59	7 10	
S 23	23 27 16 36	2 44	24 43	1 17	19 11	1 59	17 7	1 12	22 43	0 24	15 50	1 2	7 48	0 37	18 30	1 43	8 59	12 16	21 46	21 36	17 39	15 59	7 10	
M24	23 26 13 0	3 40	24 49	1 22	18 50	1 58	16 52	1 11	22 44	0 24	15 51	1 2	7 48	0 37	18 30	1 43	8 59	12 16	21 46	21 36	17 40	15 59	7 11	
T 25	23 24 8 43	4 25	24 53	1 27	18 28	1 57	16 37	1 11	22 45	0 24	15 52	1 2	7 49	0 37	18 30	1 43	8 59	12 16	21 46	21 37	17 42	15 59	7 11	
W26	23 22 3 56	4 58	24 56	1 31	18 6	1 56	16 22	1 10	22 46	0 23	15 53	1 3	7 50	0 37	18 30	1 43	8 59	12 16	21 46	21 37	17 44	15 59	7 11	
T 27	23 20 1s11	5 15	24 58	1 36	17 43	1 54	16 7	1 9	22 47	0 23	15 54	1 3	7 50	0 37	18 29	1 43	8 59	12 15	21 46	21 38	17 46	16 0	7 11	
F 28	23 17 6 22	5 13	24 58	1 40	17 20	1 53	15 51	1 9	22 48	0 23	15 55	1 3	7 51	0 37	18 29	1 43	8 59	12 15	21 46	21 39	17 47	16 0	7 11	
S 29	23 13 11 20	4 53	24 57	1 44	16 56	1 51	15 36	1 8	22 49	0 23	15 56	1 3	7											