

# SWISS EPHEMERIS for the year 1788

## JANUARY 1788

## 00:00 UT

Day	Sid.t	☉	☽	♄	♃	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 41 15	10°20'32	17°45	18°19	28°29	20°R 1	19°R 4	25°40	28°R56	21°0 0	14°47	26° 3	25°21	7° 7	9°R15		
W 2	6 45 12	11°21'42	0°11.21	19°32	29°44	19°38	18°II 57	25°45	28°53	21° 0	14°48	26° 4	25°18	7°14	9°II 13		
T 3	6 49 8	12°22'52	12°39	20°47	0°55.9	19°14	18°50	25°51	28°51	21° 1	14°50	26° 5	25°15	7°21	9°10		
F 4	6 53 5	13°24'03	24°44	22° 4	2°15	18°50	18°44	25°57	28°48	21° 2	14°51	26° 7	25°11	7°27	9° 7		
S 5	6 57 1	14°25'14	6°40	23°22	3°30	18°26	18°37	26° 3	28°46	21° 2	14°53	26° 8	25° 8	7°34	9° 4		
S 6	7 0 58	15°26'24	18°29	24°41	4°45	18° 2	18°30	26° 9	28°43	21° 3	14°55	26° 9	25° 5	7°41	9° 1		
M 7	7 4 54	16°27'35	0°3.17	26° 2	6° 0	17°38	18°24	26°16	28°41	21° 4	14°56	26°R10	25° 2	7°47	8°59		
T 8	7 8 51	17°28'45	12° 4	27°23	7°15	17°14	18°18	26°22	28°38	21° 4	14°58	26° 9	24°59	7°54	8°56		
W 9	7 12 48	18°29'55	23°53	28°46	8°30	16°50	18°12	26°28	28°36	21° 4	14°59	26° 6	24°55	8° 1	8°54		
T 10	7 16 44	19°31'05	5°46	0°3.10	9°45	16°26	18° 6	26°34	28°33	21° 5	15° 1	26° 3	24°52	8° 7	8°51		
F 11	7 20 41	20°32'14	17°46	1°34	11° 0	16° 3	18° 0	26°41	28°30	21° 5	15° 3	25°59	24°49	8°14	8°49		
S 12	7 24 37	21°33'22	29°53	3° 0	12°15	15°39	17°54	26°47	28°28	21° 6	15° 4	25°54	24°46	8°21	8°46		
S 13	7 28 34	22°34'30	12°11	4°26	13°30	15°16	17°49	26°53	28°25	21° 6	15° 6	25°50	24°43	8°27	8°44		
M14	7 32 30	23°35'37	24°40	5°53	14°45	14°53	17°43	27° 0	28°23	21° 6	15° 8	25°46	24°40	8°34	8°42		
T 15	7 36 27	24°36'44	7°24	7°20	15°59	14°31	17°38	27° 6	28°20	21° 7	15° 9	25°44	24°36	8°41	8°39		
W16	7 40 23	25°37'49	20°27	8°49	17°14	14° 9	17°33	27°13	28°17	21° 7	15°11	25°D42	24°33	8°47	8°37		
T 17	7 44 20	26°38'54	3°3.50	10°18	18°29	13°47	17°28	27°19	28°15	21° 7	15°13	25°42	24°30	8°54	8°35		
F 18	7 48 17	27°39'58	17°36	11°47	19°44	13°26	17°24	27°26	28°12	21° 7	15°15	25°43	24°27	9° 0	8°33		
S 19	7 52 13	28°41'01	1°11.46	13°17	20°59	13° 5	17°19	27°33	28°10	21° 7	15°16	25°45	24°24	9° 7	8°31		
S 20	7 56 10	29°42'03	16°19	14°48	22°14	12°45	17°15	27°39	28° 7	21° 7	15°18	25°46	24°21	9°14	8°29		
M21	8 0 6	0°43'04	1°11.16	16°20	23°28	12°25	17°11	27°46	28° 4	21° 7	15°20	25°R46	24°17	9°20	8°28		
T 22	8 4 3	1°44'04	16°17	17°52	24°43	12° 7	17° 7	27°53	28° 2	21°R 8	15°21	25°45	24°14	9°27	8°26		
W23	8 7 59	2°45'03	1°12.28	19°25	25°58	11°48	17° 3	28° 0	27°59	21° 7	15°23	25°42	24°11	9°34	8°24		
T 24	8 11 56	3°46'01	16°33	20°58	27°12	11°31	17° 0	28° 7	27°57	21° 7	15°25	25°37	24° 8	9°40	8°23		
F 25	8 15 53	4°46'58	1°11.25	22°32	28°27	11°14	16°56	28°13	27°54	21° 7	15°27	25°31	24° 5	9°47	8°21		
S 26	8 19 49	5°47'55	15°53	24° 7	29°42	10°57	16°53	28°20	27°51	21° 7	15°29	25°24	24° 1	9°54	8°20		
S 27	8 23 46	6°48'50	29°55	25°42	0°56.56	10°42	16°50	28°27	27°49	21° 7	15°30	25°18	23°58	10° 0	8°18		
M28	8 27 42	7°49'45	13°11.27	27°18	2°11	10°27	16°47	28°34	27°46	21° 7	15°32	25°14	23°55	10° 7	8°17		
T 29	8 31 39	8°50'39	26°30	28°55	3°25	10°13	16°45	28°41	27°44	21° 7	15°34	25°11	23°52	10°14	8°16		
W30	8 35 35	9°51'33	9°11.9	0°32.2	4°40	9°59	16°42	28°48	27°41	21° 6	15°36	25°D10	23°49	10°20	8°15		
T 31	8 39 32	10°52'26	21°11.27	2°11.10	5°54	9°47	16°40	28°55	27°39	21° 6	15°37	25°D11	23°46	10°27	8°14		

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	23s 4	11s31	4s55	21s37	1n21	21s54	1s27	25n50	3n55	22n36	0s25	14s20	1s26	20n58	0n35	6s39	1n40	24s10	8s 7
W 2	22 59	15 42	4 23	21 51	1 12	21 39	1 28	25 55	3 56	22 35	0 25	14 18	1 26	20 58	0 35	6 40	1 40	24 9	8 7
T 3	22 53	19 7	3 39	22 6	1 3	21 24	1 29	26 0	3 58	22 35	0 25	14 16	1 26	20 59	0 35	6 40	1 40	24 9	8 7
F 4	22 47	21 39	2 45	22 19	0 55	21 8	1 30	26 5	3 59	22 35	0 25	14 14	1 26	20 59	0 35	6 40	1 40	24 8	8 7
S 5	22 41	23 11	1 46	22 32	0 46	20 52	1 30	26 10	4 0	22 34	0 25	14 12	1 26	21 0	0 35	6 40	1 40	24 8	8 7
S 6	22 34	23 40	0 42	22 44	0 38	20 35	1 31	26 14	4 2	22 34	0 24	14 10	1 26	21 0	0 35	6 40	1 40	24 7	8 7
M 7	22 27	23 5	0n23	22 55	0 30	20 17	1 32	26 19	4 3	22 33	0 24	14 8	1 26	21 1	0 35	6 40	1 41	24 7	8 7
T 8	22 19	21 29	1 27	23 5	0 21	19 58	1 33	26 23	4 4	22 33	0 24	14 5	1 26	21 1	0 35	6 41	1 41	24 6	8 7
W 9	22 11	18 56	2 27	23 14	0 13	19 40	1 33	26 27	4 5	22 33	0 24	14 3	1 26	21 2	0 35	6 41	1 41	24 6	8 7
T 10	22 3 15	36 3	2 21	23 23	0 5	19 20	1 34	26 31	4 5	22 32	0 24	14 1	1 26	21 2	0 35	6 41	1 41	24 5	8 7
F 11	21 54	11 36	4 7	23 30	0s 3	19 0	1 34	26 34	4 6	22 32	0 23	13 59	1 26	21 3	0 35	6 41	1 41	24 5	8 7
S 12	21 44	7 7	4 42	23 36	0 10	18 40	1 35	26 38	4 7	22 32	0 23	13 57	1 26	21 3	0 35	6 41	1 41	24 4	8 7
S 13	21 34	2 18	5 5	23 41	0 18	18 19	1 35	26 41	4 7	22 31	0 23	13 54	1 26	21 4	0 35	6 41	1 41	24 4	8 7
M14	21 24	2n41	5 14	23 45	0 25	17 57	1 35	26 44	4 8	22 31	0 23	13 52	1 26	21 5	0 35	6 41	1 41	24 3	8 7
T 15	21 14	7 39	5 7	23 48	0 32	17 35	1 36	26 47	4 8	22 31	0 23	13 50	1 26	21 5	0 35	6 41	1 41	24 3	8 7
W16	21 2	12 24	4 45	23 49	0 39	17 12	1 36	26 49	4 8	22 31	0 23	13 48	1 26	21 6	0 35	6 41	1 41	24 2	8 7
T 17	20 51	16 41	4 7	23 49	0 46	16 49	1 36	26 52	4 8	22 30	0 22	13 45	1 26	21 6	0 35	6 41	1 41	24 2	8 7
F 18	20 39	20 12	3 14	23 48	0 52	16 26	1 36	26 54	4 8	22 30	0 22	13 43	1 26	21 7	0 35	6 41	1 41	24 1	8 7
S 19	20 27	22 37	2 8	23 46	0 58	16 2	1 36	26 56	4 8	22 30	0 22	13 41	1 26	21 7	0 35	6 41	1 41	24 0	8 7
S 20	20 14	23 37	0 52	23 43	1 4	15 37	1 36	26 58	4 8	22 30	0 22	13 39	1 26	21 8	0 35	6 41	1 41	24 0	8 7
M21	20 1	22 58	0s30	23 38	1 10	15 13	1 35	26 59	4 7	22 29	0 22	13 36	1 26	21 8	0 35	6 41	1 41	23 59	8 7
T 22	19 48	20 39	1 50	23 32	1 16	14 47	1 35	27 1	4 7	22 29	0 21	13 34	1 26	21 9	0 35	6 41	1 41	23 59	8 7
W23	19 34	16 53	3 2	23 24	1 21	14 22	1 35	27 2	4 6	22 29	0 21	13 31	1 26	21 9	0 35	6 41	1 42	23 58	8 7
T 24	19 20	12 3	4 2	23 15	1 26	13 56	1 34	27 3	4 6	22 29	0 21	13 29	1 26	21 10	0 35	6 41	1 42	23 58	8 7
F 25	19 5 6	34 4	4 44	23 5	1 31	13 29	1 34	27 4	4 5	22 29	0 21	13 27	1 26	21 10	0 35	6 41	1 42	23 57	8 7
S 26	18 51	0 52	5 6	22 53	1 36	13 3	1 33	27 4	4 4	22 29	0 21	13 24	1 26	21 11	0 35	6 41	1 42	23 57	8 7
S 27	18 35	4s42	5 9	22 40	1 40	12 36	1 32	27 5	4 4	22 29	0 20	13 22	1 26	21 11	0 35	6 41	1 42	23 56	8 7
M28	18 20	9 50	4 55	22 25	1 44	12 8	1 32	27 5	4 3	22 28	0 20	13 19	1 26	21 12	0 35	6 40	1 42	23 56	8 7
T 29	18 4	14 21	4 26	22 9	1 47	11 41	1 31	27 6	4 2	22 28	0 20	13 17	1 26	21 12	0 35	6 40	1 42	23 55	8 7
W30	17 48	18 6	3 44	21 52	1 51	11 12	1 30	27 6	4 1	22 28	0 20	13 15	1 26	21 13	0 35	6 40	1 42	23 55	8 7
T 31	17s31	20s55	2s53	21s33	1s54	10s44	1s29	27n 6	4n 0	22n28	0s20	13s12	1s26	21n14	0n35	6s40	1n42	23s54	8s 7

Julian Day Number = 2374113.5, Delta T = 16.49 sec

Ecliptic obliquity = 23°28'00, Nutation = 0°00'18

Ayanamsha: Fagan/Bradley = 21°46'50, Lahiri = 20°53'50Greg. Calendar

# SWISS EPHEMERIS for the year 1788

## FEBRUARY 1788

## 00:00 UT

Day	Sid.t	☉	☽	♀	♂	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	8 43 28	11 <sup>h</sup> 53'18"	3 <sup>h</sup> 30'	3 <sup>h</sup> 49'	7 <sup>h</sup> 9	9 <sup>h</sup> R35	16°R38	29 <sup>m</sup> 2	27°R36	21°R 6	15 <sup>m</sup> 39	25 <sup>m</sup> 12	23 <sup>m</sup> 42	10 <sup>m</sup> 34	8°R13			
S 2	8 47 25	12°54'09"	15°22'	5°29'	8°23'	9 <sup>m</sup> 24	16 <sup>m</sup> 36	29° 9	27 <sup>m</sup> 34	21 <sup>m</sup> 6	15°41	25°13	23°39	10°40	8 <sup>m</sup> 12			
S 3	8 51 22	13°54'59"	27° 9	7° 9	9°38	9°14	16°35	29°17	27°31	21° 5	15°43	25°R14	23°36	10°47	8°11			
M 4	8 55 18	14°55'48"	8 <sup>m</sup> 55	8°50	10°52	9° 4	16°33	29°24	27°29	21° 5	15°45	25°13	23°33	10°54	8°10			
T 5	8 59 15	15°56'36"	20°43	10°32	12° 6	8°56	16°32	29°31	27°26	21° 4	15°46	25° 9	23°30	11° 0	8° 9			
W 6	9 3 11	16°57'22"	2 <sup>m</sup> 37	12°15	13°21	8°48	16°31	29°38	27°24	21° 4	15°48	25° 3	23°27	11° 7	8° 9			
T 7	9 7 8	17°58'08"	14°39	13°58	14°35	8°41	16°30	29°45	27°21	21° 3	15°50	24°55	23°23	11°13	8° 8			
F 8	9 11 4	18°58'52"	26°50	15°42	15°49	8°35	16°30	29°52	27°19	21° 3	15°52	24°45	23°20	11°20	8° 8			
S 9	9 15 1	19°59'34"	9 <sup>m</sup> 12	17°27	17° 3	8°29	16°29	29°59	27°17	21° 2	15°54	24°34	23°17	11°27	8° 7			
S 10	9 18 57	21° 0'16"	21°44	19°13	18°17	8°25	16°D29	0 <sup>m</sup> 7	27°14	21° 2	15°55	24°24	23°14	11°33	8° 7			
M 11	9 22 54	22° 0'55"	4 <sup>m</sup> 27	21° 0	19°31	8°21	16°29	0°14	27°12	21° 1	15°57	24°14	23°11	11°40	8° 7			
T 12	9 26 50	23° 1'33"	17°23	22°48	20°45	8°18	16°30	0°21	27°10	21° 0	15°59	24° 6	23° 7	11°47	8° 6			
W 13	9 30 47	24° 2'10"	0 <sup>m</sup> 31	24°36	21°59	8°16	16°30	0°29	27° 7	21° 0	16° 1	24° 1	23° 4	11°53	8° 6			
T 14	9 34 44	25° 2'44"	13°54	26°25	23°13	8°14	16°31	0°36	27° 5	20°59	16° 2	23°59	23° 1	12° 0	8°D 6			
F 15	9 38 40	26° 3'17"	27°33	28°15	24°27	8°D14	16°32	0°43	27° 3	20°58	16° 4	23°D58	22°58	12° 7	8° 6			
S 16	9 42 37	27° 3'48"	11 <sup>m</sup> 29	0 <sup>m</sup> 6	25°41	8°14	16°33	0°50	27° 1	20°57	16° 6	23°59	22°55	12°13	8° 6			
S 17	9 46 33	28° 4'17"	25°43	1°57	26°55	8°15	16°34	0°58	26°59	20°57	16° 8	23°R59	22°52	12°20	8° 7			
M 18	9 50 30	29° 4'44"	10 <sup>m</sup> 13	3°49	28° 9	8°16	16°35	1° 5	26°56	20°56	16°10	23°58	22°48	12°27	8° 7			
T 19	9 54 26	0 <sup>m</sup> 5'10"	24°56	5°41	29°22	8°18	16°37	1°12	26°54	20°55	16°11	23°55	22°45	12°33	8° 7			
W 20	9 58 23	1° 5'33"	9 <sup>m</sup> 47	7°34	0 <sup>m</sup> 36	8°21	16°39	1°20	26°52	20°54	16°13	23°48	22°42	12°40	8° 8			
T 21	10 2 20	2° 5'55"	24°37	9°27	1°50	8°25	16°41	1°27	26°50	20°53	16°15	23°40	22°39	12°47	8° 8			
F 22	10 6 16	3° 6'15"	9 <sup>m</sup> 20	11°20	3° 3	8°29	16°43	1°34	26°48	20°52	16°17	23°29	22°36	12°53	8° 9			
S 23	10 10 13	4° 6'33"	23°45	13°14	4°17	8°34	16°45	1°41	26°46	20°51	16°18	23°18	22°33	13° 0	8°10			
S 24	10 14 9	5° 6'50"	7 <sup>m</sup> 48	15° 6	5°30	8°40	16°48	1°49	26°45	20°50	16°20	23° 7	22°29	13° 7	8°10			
M 25	10 18 6	6° 7'05"	21°24	16°59	6°43	8°47	16°51	1°56	26°43	20°49	16°22	22°58	22°26	13°13	8°11			
T 26	10 22 2	7° 7'18"	4 <sup>m</sup> 33	18°50	7°57	8°53	16°54	2° 3	26°41	20°48	16°23	22°52	22°23	13°20	8°12			
W 27	10 25 59	8° 7'30"	17°17	20°40	9°10	9° 1	16°57	2°10	26°39	20°47	16°25	22°47	22°20	13°27	8°13			
T 28	10 29 55	9° 7'41"	29°38	22°29	10°23	9° 9	17° 0	2°18	26°37	20°46	16°27	22°46	22°17	13°33	8°14			
F 29	10 33 52	10 <sup>m</sup> 7'50"	11 <sup>m</sup> 43	24 <sup>m</sup> 15	11 <sup>m</sup> 36	9°18	17 <sup>m</sup> 4	2 <sup>m</sup> 25	26°36	20°45	16°28	22°D45	22 <sup>m</sup> 13	13°40	8 <sup>m</sup> 15			

Day	☉		☽		♀		♂		♁		♂		♃		♄		♅		♆		♇			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	17s15	22s46	1s55	21s12	1s56	10s16	1s28	27n 5	3n59	22n28	0s20	13s10	1s26	21n14	0n35	6s40	1n42	23s54	8s 7	23s23	23s19	21s33	16n41	5s 5
S 2	16 58	23 33	0 53	20 51	1 59	9 47	1 27	27 5	3 58	22 28	0 19	13 7	1 26	21 15	0 35	6 40	1 42	23 53	8 7	23 23	23 19	21 32	16 41	5 5
S 3	16 40	23 16	0n10	20 27	2 1	9 18	1 26	27 5	3 56	22 28	0 19	13 5	1 26	21 15	0 35	6 39	1 42	23 53	8 7	23 23	23 19	21 31	16 41	5 4
M 4	16 23	21 57	1 13	20 2	2 2	8 48	1 25	27 4	3 55	22 28	0 19	13 2	1 26	21 15	0 35	6 39	1 42	23 52	8 7	23 23	23 19	21 29	16 41	5 4
T 5	16 5	19 41	2 13	19 36	2 4	8 19	1 23	27 3	3 54	22 28	0 19	13 0	1 26	21 16	0 35	6 39	1 42	23 52	8 7	23 23	23 18	21 28	16 41	5 4
W 6	15 46	16 33	3 7	19 8	2 5	7 49	1 22	27 3	3 53	22 28	0 19	12 57	1 26	21 16	0 35	6 39	1 42	23 51	8 7	23 22	23 18	21 26	16 42	5 4
T 7	15 28	12 44	3 54	18 39	2 5	7 19	1 20	27 2	3 51	22 29	0 18	12 55	1 26	21 17	0 35	6 39	1 42	23 51	8 7	23 22	23 18	21 25	16 42	5 3
F 8	15 9	8 21	4 30	18 8	2 5	6 49	1 19	27 1	3 50	22 29	0 18	12 52	1 26	21 17	0 35	6 38	1 42	23 50	8 7	23 22	23 18	21 24	16 42	5 3
S 9	14 50	3 35	4 54	17 36	2 5	6 18	1 17	27 0	3 48	22 29	0 18	12 50	1 26	21 18	0 35	6 38	1 43	23 50	8 7	23 21	23 18	21 22	16 42	5 3
S 10	14 31	1n23	5 5	17 2	2 4	5 48	1 16	26 58	3 47	22 29	0 18	12 47	1 26	21 18	0 35	6 38	1 43	23 49	8 7	23 21	23 18	21 21	16 42	5 2
M 11	14 11	6 22	5 0	16 27	2 2	5 17	1 14	26 57	3 45	22 29	0 18	12 45	1 26	21 19	0 35	6 37	1 43	23 49	8 8	23 20	23 17	21 19	16 43	5 2
T 12	13 51	11 9	4 40	15 50	2 1	4 46	1 12	26 56	3 44	22 29	0 17	12 42	1 26	21 19	0 35	6 37	1 43	23 48	8 8	23 20	23 17	21 18	16 43	5 2
W 13	13 31	15 30	4 6	15 12	1 58	4 15	1 10	26 55	3 42	22 30	0 17	12 40	1 26	21 20	0 35	6 37	1 43	23 48	8 8	23 20	23 17	21 17	16 43	5 2
T 14	13 11	19 10	3 17	14 32	1 55	3 44	1 8	26 53	3 41	22 30	0 17	12 37	1 26	21 20	0 35	6 37	1 43	23 47	8 8	23 20	23 17	21 15	16 43	5 1
F 15	12 51	21 51	2 16	13 51	1 52	3 13	1 6	26 52	3 39	22 30	0 17	12 35	1 26	21 20	0 35	6 36	1 43	23 47	8 8	23 20	23 17	21 14	16 44	5 1
S 16	12 30	23 17	1 6	13 8	1 48	2 42	1 4	26 50	3 38	22 30	0 17	12 32	1 26	21 21	0 35	6 36	1 43	23 46	8 8	23 20	23 17	21 12	16 44	5 1
S 17	12 9	23 15	0s 9	12 24	1 44	2 11	1 2	26 48	3 36	22 31	0 17	12 29	1 26	21 21	0 35	6 36	1 43	23 46	8 8	23 20	23 16	21 11	16 44	5 0
M 18	11 48	21 39	1 25	11 39	1 39	1 39	1 0	26 47	3 35	22 31	0 16	12 27	1 26	21 22	0 35	6 35	1 43	23 46	8 8	23 20	23 16	21 9	16 45	5 0
T 19	11 27	18 36	2 37	10 53	1 33	1 8	0 58	26 45	3 33	22 31	0 16	12 24	1 26	21 22	0 35	6 35	1 43	23 45	8 8	23 20	23 16	21 8	16 45	5 0
W 20	11 6	14 19	3 38	10 5	1 27	0 37	0 56	26 43	3 31	22 32	0 16	12 22	1 27	21 22	0 35	6 34	1 43	23 45	8 8	23 19	23 16	21 7	16 45	5 0
T 21	10 44	9 10	4 25	9 16	1 20	0 5	0 53	26 41	3 30	22 32	0 16	12 19	1 27	21 23	0 35	6 34	1 43	23 44	8 9	23 19	23 16	21 5	16 46	4 59
F 22	10 23	3 33	4 53	8 26	1 12	0n26	0 51	26 39	3 28	22 33	0 16	12 17	1 27	21 23	0 35	6 34	1 43	23 44	8 9	23 18	23 16	21 4	16 46	4 59
S 23	10 1	2s 9	5 2	7 35	1 4	0 58	0 48	26 37	3 27	22 33	0 16	12 14	1 27	21 24	0 35	6 33	1 43	23 43	8 9	23 18	23 15	21 2	16 47	4 59
S 24	9 39	7 35	4 53	6 44	0 55	1 29	0 46	26 35	3 25	22 33	0 15	12 12	1 27	21 24	0 35	6 33	1 43	23 43	8 9	23 17	23 15	21 1	16 47	4 58
M 25	9 17	12 28	4 26	5 51	0 46	2 1	0 43	26 33	3 23	22 34	0 15	12 9	1 27	21 24	0 35	6 32	1 43	23 43	8 9	23 17	23 15	20 59	16 47	4 58
T 26	8 54	16 36	3 47	4 59	0 36	2 32	0 41	26 31	3 22	22 34	0 15	12 6	1 27	21 25	0 35	6 32	1 43	23 42	8 9	23 16	23 15	20 58	16 48	4 58
W 27	8 32	19 50	2 57	4 5	0 25	3 3	0 38	26 29	3 20	22 35	0 15	12 4	1 27	21 25	0 35	6 31	1 43	23 42	8 9	23 16	23 15	20 56	16 48	4 58
T 28	8 9	22 3	2 0	3 12	0 14	3 35	0 35	26 27	3 18	22 35	0 15	12 1	1 27	21 25	0 35	6 31	1 43	23 41	8 9	23 16	23 14	20 55	16 49	4 57
F 29	7s47	23s11	0s8	2s19	0s 2	4n 6	0s32	26n25	3n17	22n36	0s15	11s59	1											

SWISS EPHEMERIS for the year 1788

MARCH 1788

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏
S 1	10 37 48	11X 7'57	23M37	26K 0	12Y49	9E28	17II 8	2K32	26R34	20R43	16A30	22R45	22M10	13E47	8II16				
S 2	10 41 45	12° 8'03	5E24	27°41	14° 2	9°38	17°12	2°39	26E32	20A42	16°32	22M45	22° 7	13°53	8°18				
M 3	10 45 42	13° 8'07	17°12	29°19	15°15	9°48	17°16	2°47	26°31	20°41	16°33	22°42	22° 4	14° 0	8°19				
T 4	10 49 38	14° 8'09	29° 3	0Y52	16°28	9°59	17°20	2°54	26°29	20°40	16°35	22°38	22° 1	14° 6	8°21				
W 5	10 53 35	15° 8'10	11A 2	2°22	17°41	10°11	17°24	3° 1	26°28	20°39	16°37	22°30	21°58	14°13	8°22				
T 6	10 57 31	16° 8'09	23°13	3°46	18°54	10°23	17°29	3° 8	26°26	20°37	16°38	22°20	21°54	14°20	8°24				
F 7	11 1 28	17° 8'06	5K37	5° 4	20° 7	10°36	17°34	3°15	26°25	20°36	16°40	22° 7	21°51	14°26	8°25				
S 8	11 5 24	18° 8'02	18°15	6°17	21°19	10°49	17°39	3°23	26°24	20°35	16°41	21°53	21°48	14°33	8°27				
S 9	11 9 21	19° 7'55	1Y 6	7°22	22°32	11° 3	17°44	3°30	26°22	20°33	16°43	21°39	21°45	14°40	8°29				
MI0	11 13 17	20° 7'46	14°10	8°21	23°44	11°17	17°49	3°37	26°21	20°32	16°45	21°27	21°42	14°46	8°31				
T 11	11 17 14	21° 7'35	27°26	9°12	24°57	11°32	17°55	3°44	26°20	20°31	16°46	21°17	21°38	14°53	8°33				
WI2	11 21 11	22° 7'22	10B52	9°56	26° 9	11°47	18° 0	3°51	26°19	20°29	16°48	21°10	21°35	15° 0	8°35				
T 13	11 25 7	23° 7'07	24°28	10°32	27°22	12° 3	18° 6	3°58	26°18	20°28	16°49	21° 5	21°32	15° 6	8°37				
F 14	11 29 4	24° 6'50	8II13	10°59	28°34	12°19	18°12	4° 5	26°17	20°26	16°51	21° 4	21°29	15°13	8°39				
S 15	11 33 0	25° 6'30	22° 8	11°18	29°46	12°35	18°18	4°12	26°16	20°25	16°52	21° 3	21°26	15°20	8°41				
S 16	11 36 57	26° 6'09	6E12	11°29	0B58	12°52	18°24	4°19	26°15	20°24	16°54	21° 3	21°23	15°26	8°43				
MI7	11 40 53	27° 5'44	20°25	11R32	2°10	13°10	18°31	4°26	26°14	20°22	16°55	21° 2	21°19	15°33	8°46				
T 18	11 44 50	28° 5'18	4Q45	11°26	3°22	13°28	18°37	4°33	26°13	20°21	16°56	20°58	21°16	15°40	8°48				
W19	11 48 46	29° 4'49	19°10	11°13	4°34	13°46	18°44	4°40	26°12	20°19	16°58	20°52	21°13	15°46	8°51				
T 20	11 52 43	0Y 4'17	3M35	10°53	5°45	14° 5	18°51	4°47	26°11	20°18	16°59	20°43	21°10	15°53	8°53				
F 21	11 56 40	1° 3'44	17°53	10°26	6°57	14°23	18°58	4°53	26°11	20°16	17° 1	20°31	21° 7	16° 0	8°56				
S 22	12 0 36	2° 3'08	1A59	9°52	8° 9	14°43	19° 5	5° 0	26°10	20°15	17° 2	20°19	21° 4	16° 6	8°59				
S 23	12 4 33	3° 2'31	15°49	9°14	9°20	15° 3	19°13	5° 7	26° 9	20°13	17° 3	20° 8	21° 0	16°13	9° 1				
M24	12 8 29	4° 1'51	29°17	8°31	10°31	15°23	19°20	5°14	26° 9	20°11	17° 5	19°58	20°57	16°20	9° 4				
T 25	12 12 26	5° 1'10	12M22	7°45	11°43	15°43	19°28	5°20	26° 8	20°10	17° 6	19°50	20°54	16°26	9° 7				
W26	12 16 22	6° 0'26	25° 5	6°56	12°54	16° 4	19°35	5°27	26° 8	20° 8	17° 7	19°45	20°51	16°33	9°10				
T 27	12 20 19	6°59'41	7M28	6° 6	14° 5	16°25	19°43	5°34	26° 7	20° 7	17° 9	19°43	20°48	16°40	9°13				
F 28	12 24 15	7°58'55	19°34	5°16	15°16	16°46	19°51	5°40	26° 7	20° 5	17°10	19°D42	20°44	16°46	9°16				
S 29	12 28 12	8°58'06	1E30	4°26	16°27	17° 8	19°59	5°47	26° 7	20° 4	17°11	19°42	20°41	16°53	9°19				
S 30	12 32 9	9°57'15	1E30	3°37	17°37	17°30	20° 8	5°53	26° 7	20° 2	17°12	19°R42	20°38	17° 0	9°22				
MB1	12 36 5	10Y56'23	25E 9	2Y51	18B48	17E52	20II16	6K 0	26E 6	20A 0	17A13	19M41	20M35	17E 6	9II25				

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat			
S 1	7s24	23s14 0n 5	1s27	0n10	4n37	0s30	26n22	3n15	22n36	0s14	11s56	1s27	21n26	0n35	6s30	1n44	23s41	8s10	23s16	23s14	20s52	16n50	4s57
M 3	7 1 22 15	1 7	0 35	0 22	5 8	0 27	26 20	3 14	22 37	0 14	11 54	1 27	21 26	0 35	6 30	1 44	23 40	8 10	23 16	23 14	20 50	16 50	4 57
S 2	6 38 20 17	2 6	0n16	0 35	5 39	0 24	26 18	3 12	22 37	0 14	11 51	1 27	21 26	0 35	6 29	1 44	23 40	8 10	23 16	23 14	20 47	16 50	4 56
T 4	6 15 17 27	3 0	1 6	0 49	6 10	0 21	26 15	3 10	22 38	0 14	11 49	1 27	21 27	0 35	6 29	1 44	23 40	8 10	23 16	23 14	20 49	16 51	4 56
W 5	5 52 13 51	3 46	1 53	1 2	6 40	0 18	26 13	3 9	22 39	0 14	11 46	1 28	21 27	0 35	6 28	1 44	23 39	8 10	23 15	23 13	20 46	16 51	4 56
T 6	5 29 9 39	4 23	2 39	1 16	7 11	0 15	26 10	3 7	22 39	0 14	11 44	1 28	21 27	0 34	6 28	1 44	23 39	8 11	23 15	23 13	20 44	16 52	4 55
F 7	5 5 5 0	4 48	3 23	1 29	7 41	0 12	26 8	3 6	22 40	0 13	11 41	1 28	21 27	0 34	6 27	1 44	23 38	8 11	23 14	23 13	20 43	16 53	4 55
S 8	4 42 0 4	4 59	4 4	1 43	8 11	0 9	26 5	3 4	22 40	0 13	11 39	1 28	21 28	0 34	6 27	1 44	23 38	8 11	23 13	23 13	20 41	16 53	4 55
S 9	4 18 4n58	4 56	4 42	1 56	8 41	0 6	26 2	3 3	22 41	0 13	11 36	1 28	21 28	0 34	6 26	1 44	23 38	8 11	23 12	23 13	20 40	16 54	4 55
MI0	3 55 9 51	4 37	5 18	2 9	9 11	0 2	26 0	3 1	22 42	0 13	11 34	1 28	21 28	0 34	6 25	1 44	23 37	8 11	23 11	23 12	20 38	16 54	4 54
T 11	3 31 14 21	4 3	5 49	2 22	9 41	0n 1	25 57	3 0	22 42	0 13	11 31	1 28	21 28	0 34	6 25	1 44	23 37	8 11	23 11	23 12	20 37	16 55	4 54
WI2	3 8 18 12	3 15	6 17	2 33	10 10	0 4	25 54	2 58	22 43	0 13	11 29	1 28	21 29	0 34	6 24	1 44	23 37	8 12	23 10	23 12	20 35	16 55	4 54
T 13	2 44 21 6	2 16	6 41	2 44	10 39	0 7	25 51	2 56	22 44	0 12	11 26	1 28	21 29	0 34	6 24	1 44	23 37	8 12	23 10	23 12	20 34	16 56	4 54
F 14	2 20 22 49	1 7	7 1	2 54	11 8	0 11	25 48	2 55	22 44	0 12	11 24	1 28	21 29	0 34	6 23	1 44	23 36	8 12	23 10	23 12	20 32	16 56	4 53
S 15	1 57 23 8	0s 6	7 17	3 4	11 37	0 14	25 45	2 53	22 45	0 12	11 21	1 28	21 29	0 34	6 23	1 44	23 36	8 12	23 10	23 11	20 31	16 57	4 53
S 16	1 33 22 0	1 19	7 29	3 11	12 5	0 17	25 42	2 52	22 46	0 12	11 19	1 29	21 29	0 34	6 22	1 44	23 36	8 12	23 10	23 11	20 29	16 58	4 53
MI7	1 9 19 28	2 29	7 36	3 18	12 34	0 20	25 39	2 51	22 46	0 12	11 16	1 29	21 29	0 34	6 22	1 44	23 35	8 13	23 10	23 11	20 27	16 58	4 53
T 18	0 46 15 43	3 29	7 39	3 23	13 1	0 24	25 35	2 49	22 47	0 12	11 14	1 29	21 30	0 34	6 21	1 44	23 35	8 13	23 10	23 11	20 26	16 59	4 52
W19	0 22 11 2	4 17	7 37	3 27	13 29	0 27	25 32	2 48	22 48	0 12	11 11	1 29	21 30	0 34	6 20	1 44	23 35	8 13	23 9	23 11	20 24	16 59	4 52
T 20	0n 2 5 44	4 48	7 31	3 29	13 56	0 31	25 29	2 46	22 49	0 11	11 9	1 29	21 30	0 34	6 20	1 44	23 35	8 13	23 8	23 10	20 23	17 0	4 52
F 21	0 25 0 11	5 0	7 20	3 29	14 23	0 34	25 25	2 45	22 49	0 11	11 7	1 29	21 30	0 34	6 19	1 44	23 34	8 13	23 8	23 10	20 21	17 1	4 52
S 22	0 49 5s18	4 55	7 6	3 28	14 50	0 37	25 22	2 43	22 50	0 11	11 4	1 29	21 30	0 34	6 19	1 44	23 34	8 14	23 7	23 10	20 20	17 1	4 51
S 23	1 13 10 24	4 32	6 48	3 24	15 16	0 41	25 18	2 42	22 51	0 11	11 2	1 29	21 30	0 34	6 18	1 44	23 34	8 14	23 6	23 10	20 18	17 2	4 51
M24	1 36 14 52	3 54	6 26	3 19	15 42	0 44	25 14	2 41	22 51	0 11	11 0	1 29	21 30	0 34	6 17	1 44	23 34	8 14	23 5	23 9	20 16	17 3	4 51
T 25	2 0 18 29	3 4	6 1	3 12	16 7	0 48	25 10	2 39	22 52	0 11	10 57	1 30	21 30	0 34	6 17	1 44	23 34	8 14	23 5	23 9	20 15	17 3	4 51
W26	2 23 21 6	2 7	5 34	3 4	16 32	0 51	25 7	2 38	22 53	0 11	10 55	1 30	21 30	0 34	6 16	1 44	23 33	8 15	23 4	23 9	20 13	17 4	4 50
T 27	2 47 22 39	1 5	5 5	2 54	16 57	0 54	25 3	2 36	22 54	0 10	10 53	1 30	21 30	0 34	6 16	1 44	23 33	8 15	23 4	23 9	20 12	17 5	4 50
F 28	3 10 23 4	0 1	4 35	2 42	17 21	0 58	24 59	2 35	22 54	0 10	10 50	1 30	21 30	0 34	6 15	1 44	23 33	8 15	23 4	23 9	20 10	17 5	4 50
S 29	3 34 22 25	1n 2	4 3	2 30	17 45	1 1	24 55	2 34	22 55	0 10	10 48	1 30	21 30	0 34	6 14	1 44	23 33	8					

SWISS EPHEMERIS for the year 1788

APRIL 1788

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 40 2	11°55'29	7 <sup>h</sup> 3	2°R 9	19 <sup>h</sup> 59	18 <sup>h</sup> 51	20 <sup>h</sup> 25	6 <sup>h</sup> 6	26°R 6	19°R59	17 <sup>h</sup> 15	19°R38	20 <sup>h</sup> 32	17 <sup>h</sup> 13	9 <sup>h</sup> 29
W 2	12 43 58	12°54'33	19° 6	1°Y30	21° 9	18°38	20°33	6°12	26°E 6	19°E57	17°16	19°R33	20°29	17°20	9°32
T 3	12 47 55	13°53'35	1 <sup>h</sup> 23	0°55	22°19	19° 1	20°42	6°19	26°D 6	19°55	17°17	19°25	20°25	17°26	9°35
F 4	12 51 51	14°52'36	13°56	0°25	23°30	19°24	20°51	6°25	26° 6	19°54	17°18	19°15	20°22	17°33	9°39
S 5	12 55 48	15°51'34	26°48	0° 0	24°40	19°48	21° 0	6°31	26° 6	19°52	17°19	19° 4	20°19	17°40	9°42
S 6	12 59 44	16°50'31	9°Y57	29 <sup>h</sup> 41	25°50	20°12	21° 9	6°37	26° 7	19°50	17°20	18°53	20°16	17°46	9°46
M 7	13 3 41	17°49'25	23°23	29°27	27° 0	20°36	21°18	6°43	26° 7	19°49	17°21	18°43	20°13	17°53	9°50
T 8	13 7 37	18°48'18	7 <sup>h</sup> 3	29°18	28°10	21° 1	21°28	6°49	26° 7	19°47	17°22	18°35	20°10	18° 0	9°53
W 9	13 11 34	19°47'08	20°53	29°D14	29°19	21°26	21°37	6°55	26° 7	19°46	17°23	18°29	20° 6	18° 6	9°57
T 10	13 15 31	20°45'57	4 <sup>h</sup> 52	29°16	0 <sup>h</sup> 29	21°51	21°47	7° 1	26° 8	19°44	17°24	18°26	20° 3	18°13	10° 1
F 11	13 19 27	21°44'43	18°56	29°23	1°38	22°16	21°57	7° 7	26° 8	19°42	17°25	18°D26	20° 0	18°19	10° 5
S 12	13 23 24	22°43'27	3 <sup>h</sup> 3	29°35	2°48	22°41	22° 6	7°13	26° 9	19°41	17°26	18°26	19°57	18°26	10° 8
S 13	13 27 20	23°42'09	17°11	29°52	3°57	23° 7	22°16	7°19	26° 9	19°39	17°27	18°R27	19°54	18°33	10°12
M14	13 31 17	24°40'48	1 <sup>h</sup> 19	0°Y13	5° 6	23°33	22°26	7°25	26°10	19°37	17°28	18°27	19°50	18°39	10°16
T 15	13 35 13	25°39'25	15°27	0°39	6°15	23°59	22°36	7°30	26°10	19°36	17°29	18°25	19°47	18°46	10°20
W16	13 39 10	26°38'00	29°31	1°10	7°24	24°26	22°47	7°36	26°11	19°34	17°30	18°21	19°44	18°53	10°24
T 17	13 43 6	27°36'33	13 <sup>h</sup> 30	1°44	8°32	24°52	22°57	7°42	26°12	19°32	17°30	18°15	19°41	18°59	10°28
F 18	13 47 3	28°35'03	27°20	2°22	9°41	25°19	23° 7	7°47	26°13	19°31	17°31	18° 8	19°38	19° 6	10°33
S 19	13 51 0	29°33'31	11 <sup>h</sup> 0	3° 5	10°49	25°46	23°18	7°53	26°14	19°29	17°32	18° 0	19°35	19°13	10°37
S 20	13 54 56	0 <sup>h</sup> 31'58	24°26	3°50	11°57	26°13	23°29	7°58	26°14	19°28	17°33	17°52	19°31	19°19	10°41
M21	13 58 53	1°30'22	7 <sup>h</sup> 35	4°40	13° 5	26°40	23°39	8° 3	26°15	19°26	17°33	17°45	19°28	19°26	10°45
T 22	14 2 49	2°28'45	20°26	5°32	14°13	27° 8	23°50	8° 8	26°16	19°24	17°34	17°40	19°25	19°33	10°49
W23	14 6 46	3°27'06	3 <sup>h</sup> 19	6°28	15°21	27°36	24° 1	8°14	26°17	19°23	17°35	17°37	19°22	19°39	10°54
T 24	14 10 42	4°25'26	15°19	7°26	16°28	28° 3	24°12	8°19	26°19	19°21	17°35	17°D35	19°19	19°46	10°58
F 25	14 14 39	5°23'43	27°25	8°28	17°36	28°32	24°23	8°24	26°20	19°20	17°36	17°36	19°15	19°53	11° 3
S 26	14 18 35	6°22'00	9 <sup>h</sup> 20	9°32	18°43	29° 0	24°34	8°29	26°21	19°18	17°37	17°37	19°12	19°59	11° 7
S 27	14 22 32	7°20'14	21°11	10°39	19°50	29°28	24°45	8°34	26°22	19°17	17°37	17°39	19° 9	20° 6	11°12
M28	14 26 29	8°18'27	3 <sup>h</sup> 1	11°49	20°57	29°57	24°57	8°39	26°24	19°15	17°38	17°R40	19° 6	20°13	11°16
T 29	14 30 25	9°16'39	14°56	13° 1	22° 3	0 <sup>h</sup> 25	25° 8	8°43	26°25	19°13	17°38	17°40	19° 3	20°19	11°21
W30	14 34 22	10°14'49	27 <sup>h</sup> 1	14°Y16	23°10	0 <sup>h</sup> 54	25°19	8°48	26°26	19°12	17°39	17°38	19° 0	20°26	11°25

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n43	14s55	3n44	2n28	1n46	18n54	1n11	24n42	2n30	22n58	0s10	10s41	1s31	21n30	0n34
W 2	5 6	10 57	4 22	1 58	1 30	19 16	1 15	24 37	2 29	22 58	0 10	10 39	1 31	21 30	0 34
T 3	5 29	6 30	4 49	1 30	1 14	19 38	1 18	24 33	2 27	22 59	0 9	10 37	1 31	21 30	0 34
F 4	5 52	1 41	5 2	1 3	0 58	19 59	1 21	24 28	2 26	23 0	0 9	10 35	1 31	21 30	0 34
S 5	6 15	3n19	5 1	0 38	0 42	20 20	1 25	24 23	2 25	23 1	0 9	10 32	1 31	21 30	0 34
S 6	6 38	8 17	4 43	0 16	0 26	20 40	1 28	24 19	2 23	23 1	0 9	10 30	1 31	21 30	0 34
M 7	7 0	12 58	4 10	0s 4	0 10	20 59	1 31	24 14	2 22	23 2	0 9	10 28	1 31	21 30	0 34
T 8	7 23	17 4	3 22	0 22	0s 5	21 18	1 34	24 9	2 21	23 3	0 9	10 26	1 32	21 30	0 34
W 9	7 45	20 17	2 22	0 37	0 20	21 37	1 38	24 4	2 20	23 3	0 9	10 24	1 32	21 30	0 34
T 10	8 7	22 19	1 12	0 49	0 35	21 55	1 41	23 58	2 19	23 4	0 8	10 22	1 32	21 30	0 34
F 11	8 29	22 58	0s 3	0 59	0 48	22 13	1 44	23 53	2 17	23 5	0 8	10 20	1 32	21 30	0 34
S 12	8 51	22 8	1 18	1 6	1 1	22 29	1 47	23 48	2 16	23 6	0 8	10 18	1 32	21 30	0 34
S 13	9 13	19 55	2 28	1 11	1 14	22 46	1 50	23 42	2 15	23 6	0 8	10 16	1 32	21 30	0 34
M14	9 34	16 29	3 29	1 13	1 25	23 2	1 53	23 36	2 14	23 7	0 8	10 14	1 33	21 30	0 34
T 15	9 56	12 7	4 18	1 13	1 36	23 17	1 56	23 31	2 13	23 8	0 8	10 12	1 33	21 29	0 34
W16	10 17	7 7	4 51	1 10	1 47	23 31	1 59	23 25	2 11	23 8	0 8	10 10	1 33	21 29	0 34
T 17	10 38	1 47	5 6	1 5	1 56	23 45	2 2	23 19	2 10	23 9	0 8	10 8	1 33	21 29	0 34
F 18	10 59	3s34	5 3	0 58	2 5	23 59	2 4	23 13	2 9	23 10	0 7	10 6	1 33	21 29	0 34
S 19	11 20	8 41	4 43	0 49	2 13	24 11	2 7	23 7	2 8	23 10	0 7	10 4	1 33	21 29	0 34
S 20	11 40	13 18	4 7	0 37	2 20	24 24	2 10	23 1	2 7	23 11	0 7	10 2	1 34	21 28	0 33
M21	12 1	17 11	3 19	0 24	2 27	24 35	2 12	22 54	2 6	23 12	0 7	10 0	1 34	21 28	0 33
T 22	12 21	20 9	2 22	0 9	2 33	24 46	2 15	22 48	2 5	23 12	0 7	9 59	1 34	21 28	0 33
W23	12 41	22 4	1 18	0n 9	2 38	24 56	2 17	22 41	2 4	23 13	0 7	9 57	1 34	21 28	0 33
T 24	13 1	22 52	0 12	0 28	2 43	25 6	2 20	22 34	2 3	23 14	0 7	9 55	1 34	21 28	0 33
F 25	13 20	22 33	0n53	0 48	2 47	25 15	2 22	22 28	2 1	23 14	0 7	9 53	1 34	21 27	0 33
S 26	13 39	21 13	1 55	1 10	2 50	25 23	2 24	22 21	2 0	23 15	0 7	9 52	1 35	21 27	0 33
S 27	13 59	18 57	2 52	1 34	2 53	25 31	2 27	22 14	1 59	23 15	0 6	9 50	1 35	21 27	0 33
M28	14 17	15 54	3 42	2 0	2 55	25 38	2 29	22 7	1 58	23 16	0 6	9 48	1 35	21 27	0 33
T 29	14 36	12 11	4 22	2 26	2 56	25 44	2 31	21 59	1 57	23 16	0 6	9 47	1 35	21 26	0 33
W30	14n55	7s57	4n52	2n55	2s57	25n50	2n33	21n52	1n56	23n17	0s 6	9s45	1s35	21n26	0n33

Julian Day Number = 2374204.5, Delta T = 16.49 sec  
 Ecliptic obliquity = 23°28'00, Nutation = 0°00'17  
 Ayanamsha: Fagan/Bradley = 21°47'02, Lahiri = 20°54'02Greg. Calendar

SWISS EPHEMERIS for the year 1788

MAY 1788

00:00 UT

Main astronomical ephemeris table for May 1788, listing days from T 1 to S 31 with columns for Sid.t and various planetary symbols (☉, ☽, ♀, ♂, ♃, ♅, ♁, ♃, ♅, ♁, ♁, ♁, ♁, ♁) and their corresponding ecliptic coordinates.

Secondary astronomical ephemeris table for May 1788, listing days from T 1 to S 31 with columns for declination (decl) and latitude (lat) for various celestial bodies.

Julian Day Number = 2374234.5, Delta T = 16.49 sec
Ecliptic obliquity = 23°27'59", Nutation = 0°00'16
Ayanamsha: Fagan/Bradley = 21°47'06", Lahiri = 20°54'06"Greg. Calendar

# SWISS EPHEMERIS for the year 1788

JUNE 1788

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄	
S 1	16 40 31	11♀ 2'59	26♂ 19	12♂ 10	26♂ 22	17♂ 29	1♁ 57	10♂ 36	27♂ 35	18°R33	17°R40	16°R59	17♂ 18	24♂ 0	14♂ 4
M 2	16 44 28	12° 0'25	10♂ 6	14° 22	27° 18	18° 2	2° 10	10° 38	27° 38	18°R32	17°R40	16°R59	17° 15	24° 6	14° 10
T 3	16 48 25	12° 57'51	24° 17	16° 33	28° 14	18° 35	2° 24	10° 39	27° 41	18° 31	17° 40	16° 58	17° 12	24° 13	14° 15
W 4	16 52 21	13° 55'16	8♂ 48	18° 44	29° 10	19° 8	2° 37	10° 41	27° 44	18° 30	17° 39	16° 58	17° 8	24° 20	14° 20
T 5	16 56 18	14° 52'40	23° 34	20° 54	0♂ 5	19° 42	2° 50	10° 43	27° 47	18° 30	17° 39	16° D58	17° 5	24° 26	14° 25
F 6	17 0 14	15° 50'04	8♂ 27	23° 3	0° 59	20° 15	3° 3	10° 44	27° 50	18° 29	17° 38	16° 58	17° 2	24° 33	14° 31
S 7	17 4 11	16° 47'26	23° 21	25° 10	1° 53	20° 48	3° 17	10° 46	27° 53	18° 28	17° 38	16° R58	16° 59	24° 40	14° 36
S 8	17 8 7	17° 44'48	8♂ 9	27° 16	2° 46	21° 22	3° 30	10° 47	27° 56	18° 28	17° 37	16° 58	16° 56	24° 46	14° 41
M 9	17 12 4	18° 42'08	22° 39	29° 20	3° 39	21° 55	3° 43	10° 48	27° 59	18° 27	17° 37	16° 58	16° 53	24° 53	14° 46
T 10	17 16 0	19° 39'28	6♂ 54	1♁ 22	4° 31	22° 29	3° 57	10° 49	28° 2	18° 26	17° 36	16° 58	16° 49	25° 0	14° 51
W 11	17 19 57	20° 36'46	20° 49	3° 22	5° 22	23° 3	4° 10	10° 50	28° 5	18° 26	17° 36	16° D58	16° 46	25° 6	14° 57
T 12	17 23 54	21° 34'04	4♂ 24	5° 20	6° 13	23° 36	4° 24	10° 51	28° 8	18° 25	17° 35	16° 58	16° 43	25° 13	15° 2
F 13	17 27 50	22° 31'20	17° 39	7° 16	7° 3	24° 10	4° 37	10° 52	28° 11	18° 25	17° 34	16° 58	16° 40	25° 20	15° 7
S 14	17 31 47	23° 28'36	0♂ 36	9° 10	7° 52	24° 44	4° 51	10° 53	28° 14	18° 24	17° 34	16° 59	16° 37	25° 26	15° 12
S 15	17 35 43	24° 25'51	13° 18	11° 1	8° 40	25° 18	5° 4	10° 53	28° 17	18° 24	17° 33	17° 0	16° 33	25° 33	15° 17
M 16	17 39 40	25° 23'06	25° 46	12° 50	9° 28	25° 52	5° 18	10° 54	28° 21	18° 23	17° 32	17° 0	16° 30	25° 40	15° 22
T 17	17 43 36	26° 20'20	8♂ 3	14° 37	10° 15	26° 27	5° 31	10° 54	28° 24	18° 23	17° 32	17° 1	16° 27	25° 46	15° 28
W 18	17 47 33	27° 17'33	20° 10	16° 21	11° 1	27° 1	5° 45	10° 55	28° 27	18° 23	17° 31	17° R 1	16° 24	25° 53	15° 33
T 19	17 51 29	28° 14'46	2♂ 10	18° 4	11° 46	27° 35	5° 58	10° 55	28° 30	18° 22	17° 30	17° 0	16° 21	26° 0	15° 38
F 20	17 55 26	29° 11'59	14° 4	19° 44	12° 31	28° 10	6° 12	10° 55	28° 34	18° 22	17° 29	16° 59	16° 18	26° 6	15° 43
S 21	17 59 23	0♁ 9'11	25° 55	21° 21	13° 14	28° 44	6° 25	10° R55	28° 37	18° 22	17° 29	16° 58	16° 14	26° 13	15° 48
S 22	18 3 19	1° 6'23	7♂ 45	22° 56	13° 56	29° 19	6° 39	10° 55	28° 40	18° 21	17° 28	16° 56	16° 11	26° 20	15° 53
M 23	18 7 16	2° 3'35	19♂ 36	24° 29	14° 38	29° 53	6° 52	10° 55	28° 44	18° 21	17° 27	16° 54	16° 8	26° 26	15° 58
T 24	18 11 12	3° 0'47	1♂ 32	25° 59	15° 18	0♂ 28	7° 6	10° 55	28° 47	18° 21	17° 26	16° 52	16° 5	26° 33	16° 3
W 25	18 15 9	3° 57'59	13° 37	27° 27	15° 57	1° 3	7° 19	10° 54	28° 51	18° 21	17° 25	16° 50	16° 2	26° 40	16° 8
T 26	18 19 5	4° 55'11	25° 54	28° 53	16° 36	1° 38	7° 33	10° 54	28° 54	18° 21	17° 24	16° 49	15° 59	26° 46	16° 13
F 27	18 23 2	5° 52'23	8♂ 27	0♂ 16	17° 12	2° 13	7° 47	10° 53	28° 57	18° 21	17° 23	16° D49	15° 55	26° 53	16° 18
S 28	18 26 58	6° 49'35	21° 20	1° 37	17° 48	2° 48	8° 0	10° 53	29° 1	18° 21	17° 22	16° 49	15° 52	27° 0	16° 23
S 29	18 30 55	7° 46'47	4♂ 37	2° 55	18° 23	3° 23	8° 14	10° 52	29° 4	18° D21	17° 21	16° 50	15° 49	27° 6	16° 28
M 30	18 34 52	8° 44'00	18♂ 20	4♂ 10	18♂ 56	3♂ 58	8° 27	10♂ 51	29° 8	18° 21	17° 20	16° 52	15° 46	27° 13	16° 33

Day	☉	☾	♀	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
S 1	22n 7	13n59	4n 6	23n 5	0n49	23n26	2n35	16n59	1n26	23n24	0s 3	9s11	1s42	21n12	0n33	5s41	1n43	23s40	8s33	22s50	22s52	18s18	17n49	4s44
M 2	22 15	17 53	3 11	23 31	0 58	23 13	2 32	16 48	1 25	23 24	0 3	9 10	1 43	21 11	0 33	5 41	1 43	23 41	8 33	22 50	22 51	18 16	17 49	4 44
T 3	22 23	20 51	2 3	23 54	1 7	22 59	2 30	16 37	1 24	23 24	0 2	9 10	1 43	21 11	0 33	5 40	1 43	23 41	8 33	22 50	22 51	18 14	17 50	4 44
W 4	22 30	22 32	0 45	24 14	1 15	22 45	2 27	16 25	1 24	23 24	0 2	9 9	1 43	21 10	0 33	5 40	1 43	23 41	8 34	22 50	22 51	18 12	17 50	4 44
T 5	22 36	22 42	0s37	24 32	1 23	22 30	2 24	16 14	1 23	23 24	0 2	9 9	1 43	21 10	0 33	5 40	1 43	23 42	8 34	22 50	22 50	18 11	17 51	4 44
F 6	22 43	21 15	1 57	24 47	1 30	22 15	2 21	16 3	1 22	23 24	0 2	9 9	1 44	21 9	0 33	5 40	1 43	23 42	8 34	22 50	22 50	18 9	17 51	4 45
S 7	22 49	18 21	3 9	24 59	1 36	22 0	2 18	15 51	1 21	23 23	0 2	9 8	1 44	21 9	0 33	5 39	1 43	23 43	8 34	22 50	22 50	18 7	17 52	4 45
S 8	22 54	14 16	4 8	25 8	1 42	21 45	2 15	15 40	1 20	23 23	0 2	9 8	1 44	21 8	0 33	5 39	1 43	23 43	8 35	22 50	22 49	18 5	17 52	4 45
M 9	22 59	9 25	4 49	25 14	1 46	21 29	2 11	15 28	1 19	23 23	0 2	9 8	1 44	21 7	0 33	5 39	1 43	23 43	8 35	22 50	22 49	18 3	17 53	4 45
T 10	23 4	4 9	5 13	25 18	1 51	21 13	2 7	15 16	1 19	23 23	0 2	9 8	1 44	21 7	0 33	5 39	1 43	23 44	8 35	22 50	22 49	18 1	17 53	4 45
W 11	23 8	1s13	5 17	25 19	1 54	20 56	2 3	15 5	1 18	23 22	0 2	9 7	1 45	21 6	0 33	5 39	1 43	23 44	8 36	22 50	22 48	17 59	17 54	4 45
T 12	23 12	6 23	5 3	25 18	1 57	20 39	1 59	14 53	1 17	23 22	0 2	9 7	1 45	21 5	0 33	5 39	1 43	23 45	8 36	22 50	22 48	17 58	17 54	4 45
F 13	23 15	11 8	4 33	25 14	1 59	20 23	1 54	14 41	1 16	23 22	0 1	9 7	1 45	21 5	0 33	5 38	1 43	23 45	8 36	22 50	22 48	17 56	17 54	4 45
S 14	23 18	15 17	3 50	25 8	2 0	20 5	1 50	14 28	1 15	23 21	0 1	9 7	1 45	21 4	0 33	5 38	1 43	23 46	8 36	22 50	22 48	17 54	17 55	4 45
S 15	23 21	18 39	2 56	25 0	2 0	19 48	1 45	14 16	1 15	23 21	0 1	9 7	1 46	21 3	0 33	5 38	1 43	23 46	8 37	22 50	22 47	17 52	17 55	4 46
M 16	23 23	21 5	1 55	24 50	2 0	19 30	1 40	14 4	1 14	23 20	0 1	9 7	1 46	21 3	0 33	5 38	1 43	23 47	8 37	22 50	22 47	17 50	17 56	4 46
T 17	23 25	22 29	0 50	24 38	1 59	19 12	1 34	13 51	1 13	23 20	0 1	9 7	1 46	21 2	0 32	5 38	1 43	23 47	8 37	22 50	22 47	17 48	17 56	4 46
W 18	23 26	22 49	0n17	24 24	1 57	18 54	1 29	13 39	1 12	23 19	0 1	9 7	1 46	21 1	0 32	5 38	1 43	23 48	8 37	22 50	22 46	17 46	17 56	4 46
T 19	23 27	22 4	1 23	24 8	1 55	18 36	1 23	13 26	1 11	23 19	0 1	9 7	1 47	21 1	0 32	5 38	1 43	23 48	8 38	22 50	22 46	17 44	17 57	4 46
F 20	23 28	20 20	2 24	23 51	1 52	18 18	1 17	13 14	1 11	23 18	0 1	9 8	1 47	21 0	0 32	5 38	1 43	23 48	8 38	22 50	22 46	17 43	17 57	4 46
S 21	23 28	17 44	3 19	23 33	1 48	18 0	1 11	13 1	1 10	23 18	0 1	9 8	1 47	20 59	0 32	5 38	1 42	23 49	8 38	22 50	22 45	17 41	17 58	4 47
S 22	23 28	14 24	4 5	23 13	1 43	17 41	1 4	12 48	1 9	23 17	0 1	9 8	1 47	20 59	0 32	5 38	1 42	23 49	8 38	22 49	22 45	17 39	17 58	4 47
M 23	23 27	10 30	4 41	22 52	1 38	17 23	0 57	12 35	1 8	23 17	0 1	9 8	1 48	20 58	0 32	5 38	1 42	23 50	8 38	22 49	22 45	17 37	17 58	4 47
T 24	23 26	6 11	5 5	22 30	1 33	17 4	0 50	12 22	1 7	23 16	0 0	9 9	1 48	20 57	0 32	5 37	1 42	23 50	8 39	22 49	22 44	17 35	17 59	4 47
W 25	23 24	1 36	5 15	22 6	1 27	16 45	0 43	12 9	1 7	23 15	0 0	9 9	1 48	20 57	0 32	5 37	1 42	23 51	8 39	22 49	22 44	17 33	17 59	4 47
T 26	23 22	3n 8	5 12	21 42	1 20	16 27	0 36	11 56	1 6	23 15	0 0	9 9	1 48	20 56	0 32	5 37	1 42	23 51	8 39	22 49	22 44	17 31	17 59	4 47
F 27	23 20	7 51	4 54	21 18	1 12	16 8	0 28	11 43	1 5	23 14	0 0	9 10	1 49	20 55	0 32	5 38	1 42	23 52	8 39	22 49	22 43	17 29	17 59	4 48

SWISS EPHEMERIS for the year 1788

JULY 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁
T 1	18 38 48	9☉41'13	2☽29	5♂23	19♂28	4♁33	8☼41	10°R50	29☼11	18♂21	17°R19	16♁53	15♁43	27☼20	16☽38
W 2	18 42 45	10°38'26	17° 4	6°33	19°58	5° 9	8°55	10☼49	29°15	18°21	17°18	16°R53	15°39	27°27	16°43
T 3	18 46 41	11°35'39	1☼58	7°41	20°27	5°44	9° 8	10°48	29°19	18°21	17°17	16°53	15°36	27°33	16°48
F 4	18 50 38	12°32'53	17° 5	8°45	20°55	6°19	9°22	10°46	29°22	18°21	17°16	16°51	15°33	27°40	16°53
S 5	18 54 34	13°30'06	2♂17	9°47	21°21	6°55	9°35	10°45	29°26	18°21	17°15	16°48	15°30	27°47	16°58
S 6	18 58 31	14°27'20	17°22	10°45	21°45	7°31	9°49	10°44	29°29	18°21	17°14	16°44	15°27	27°53	17° 3
M 7	19 2 28	15°24'33	2♁12	11°41	22° 8	8° 6	10° 2	10°42	29°33	18°22	17°13	16°41	15°24	28° 0	17° 8
T 8	19 6 24	16°21'46	16°40	12°33	22°29	8°42	10°16	10°41	29°36	18°22	17°12	16°37	15°20	28° 7	17°12
W 9	19 10 21	17°19'00	0☼44	13°22	22°48	9°18	10°29	10°39	29°40	18°22	17°11	16°35	15°17	28°13	17°17
T 10	19 14 17	18°16'13	14°20	14° 7	23° 5	9°54	10°43	10°37	29°44	18°23	17°10	16°D34	15°14	28°20	17°22
F 11	19 18 14	19°13'26	27°32	14°49	23°20	10°30	10°56	10°35	29°47	18°23	17° 9	16°34	15°11	28°27	17°27
S 12	19 22 10	20°10'40	10♁21	15°27	23°34	11° 6	11°10	10°33	29°51	18°23	17° 8	16°35	15° 8	28°33	17°31
S 13	19 26 7	21° 7'53	22°52	16° 1	23°45	11°42	11°23	10°31	29°55	18°24	17° 6	16°37	15° 5	28°40	17°36
M14	19 30 3	22° 5'07	5♁ 8	16°30	23°54	12°18	11°37	10°29	29°58	18°24	17° 5	16°38	15° 1	28°47	17°40
T 15	19 34 0	23° 2'21	17°12	16°56	24° 1	12°54	11°50	10°27	0♂ 2	18°25	17° 4	16°R39	14°58	28°53	17°45
W16	19 37 57	23°59'35	29°10	17°17	24° 6	13°30	12° 4	10°24	0° 6	18°25	17° 3	16°38	14°55	29° 0	17°50
T 17	19 41 53	24°56'50	11☼ 2	17°34	24° 8	14° 7	12°17	10°22	0° 9	18°26	17° 2	16°36	14°52	29° 7	17°54
F 18	19 45 50	25°54'05	22°53	17°46	24°R 8	14°43	12°30	10°19	0°13	18°26	17° 0	16°31	14°49	29°13	17°58
S 19	19 49 46	26°51'21	4☼43	17°53	24° 6	15°19	12°44	10°17	0°17	18°27	16°59	16°25	14°45	29°20	18° 3
S 20	19 53 43	27°48'37	16°35	17°R55	24° 2	15°56	12°57	10°14	0°20	18°28	16°58	16°18	14°42	29°27	18° 7
M21	19 57 39	28°45'54	28°30	17°53	23°55	16°33	13°10	10°11	0°24	18°28	16°57	16°10	14°39	29°34	18°12
T 22	20 1 36	29°43'11	10☼31	17°45	23°45	17° 9	13°24	10° 8	0°28	18°29	16°55	16° 3	14°36	29°40	18°16
W23	20 5 32	0♂40'30	22°39	17°32	23°34	17°46	13°37	10° 6	0°31	18°30	16°54	15°56	14°33	29°47	18°20
T 24	20 9 29	1°37'49	4♀59	17°15	23°20	18°23	13°50	10° 3	0°35	18°31	16°53	15°51	14°30	29°54	18°24
F 25	20 13 26	2°35'09	17°31	16°52	23° 3	18°59	14° 3	9°59	0°39	18°31	16°52	15°48	14°26	0☼ 0	18°29
S 26	20 17 22	3°32'31	0♁22	16°25	22°44	19°36	14°16	9°56	0°43	18°32	16°50	15°D47	14°23	0° 7	18°33
S 27	20 21 19	4°29'53	13°32	15°54	22°24	20°13	14°30	9°53	0°46	18°33	16°49	15°47	14°20	0°14	18°37
M28	20 25 15	5°27'17	27° 7	15°18	22° 0	20°50	14°43	9°50	0°50	18°34	16°48	15°48	14°17	0°20	18°41
T 29	20 29 12	6°24'42	11☽ 7	14°39	21°35	21°27	14°56	9°46	0°54	18°35	16°46	15°R49	14°14	0°27	18°45
W30	20 33 8	7°22'08	25°33	13°57	21° 8	22° 5	15° 9	9°43	0°57	18°36	16°45	15°49	14°11	0°34	18°49
T 31	20 37 5	8♂19'35	10☼22	13♂13	20♂39	22♁42	15☼22	9☼39	1♂ 1	18♂37	16☼44	15☼46	14☼ 7	0☼40	18☽53

Day	☉	☽	♀	♂	♄	♃	♁	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 7	21n58	1n19	19n33	0n38	14n54	0s 6	10n49	1n 2	23n11	0n 0	9s12	1s50	20n52	0n32
W 2	23 2 22 49	0s 1	19 6	0 28	14 36	0 15	10 35	1 1	23 10	0 0	9 13	1 50	20 52	0 32	5 38
T 3	22 58 22 5	1 22	18 39	0 18	14 18	0 25	10 21	1 0	23 10	0 0	9 13	1 50	20 51	0 32	5 38
F 4	22 52 19 45	2 38	18 12	0 7	14 0	0 35	10 8	1 0	23 9	0 1	9 14	1 50	20 50	0 32	5 38
S 5	22 47 16 2	3 44	17 45	0s 4	13 42	0 45	9 54	0 59	23 8	0 1	9 15	1 50	20 49	0 32	5 38
S 6	22 41 11 18	4 33	17 18	0 16	13 24	0 55	9 40	0 58	23 7	0 1	9 15	1 51	20 49	0 32	5 38
M 7	22 34 5 59	5 3	16 51	0 28	13 7	1 5	9 26	0 57	23 6	0 1	9 16	1 51	20 48	0 32	5 38
T 8	22 28 0 27	5 13	16 25	0 40	12 50	1 16	9 12	0 57	23 5	0 1	9 17	1 51	20 47	0 32	5 39
W 9	22 21 4 56	5 4	15 59	0 53	12 33	1 27	8 57	0 56	23 4	0 1	9 18	1 51	20 46	0 32	5 39
T 10	22 13 9 55	4 37	15 33	1 6	12 17	1 39	8 43	0 55	23 3	0 1	9 19	1 52	20 45	0 32	5 39
F 11	22 5 14 17	3 57	15 9	1 19	12 1	1 51	8 29	0 55	23 2	0 1	9 20	1 52	20 45	0 32	5 39
S 12	21 57 17 52	3 5	14 45	1 33	11 45	2 3	8 15	0 54	23 1	0 1	9 21	1 52	20 44	0 32	5 39
S 13	21 48 20 33	2 6	14 22	1 46	11 30	2 15	8 0	0 53	23 0	0 1	9 22	1 52	20 43	0 32	5 39
M14	21 39 22 12	1 3	14 0	2 0	11 15	2 27	7 46	0 52	22 59	0 2	9 23	1 52	20 42	0 32	5 40
T 15	21 30 22 48	0n 3	13 39	2 14	11 1	2 40	7 31	0 52	22 58	0 2	9 24	1 53	20 42	0 32	5 40
W16	21 20 22 20	1 8	13 19	2 28	10 47	2 53	7 16	0 51	22 57	0 2	9 25	1 53	20 41	0 32	5 40
T 17	21 10 20 52	2 9	13 1	2 42	10 34	3 6	7 2	0 50	22 56	0 2	9 26	1 53	20 40	0 32	5 40
F 18	20 59 18 30	3 4	12 44	2 56	10 21	3 19	6 47	0 49	22 55	0 2	9 27	1 53	20 39	0 32	5 41
S 19	20 49 15 22	3 51	12 29	3 9	10 9	3 33	6 32	0 49	22 53	0 2	9 28	1 54	20 39	0 32	5 41
S 20	20 37 11 37	4 28	12 16	3 23	9 58	3 46	6 17	0 48	22 52	0 2	9 30	1 54	20 38	0 32	5 41
M21	20 26 7 24	4 54	12 4	3 35	9 47	4 0	6 3	0 47	22 51	0 2	9 31	1 54	20 37	0 32	5 42
T 22	20 14 2 54	5 7	11 55	3 48	9 37	4 14	5 48	0 47	22 50	0 2	9 32	1 54	20 36	0 32	5 42
W23	20 2 1n46	5 6	11 47	4 0	9 28	4 27	5 33	0 46	22 49	0 2	9 33	1 54	20 35	0 32	5 42
T 24	19 49 6 26	4 52	11 42	4 11	9 20	4 41	5 18	0 45	22 47	0 2	9 35	1 55	20 35	0 32	5 43
F 25	19 36 10 56	4 23	11 39	4 21	9 12	4 55	5 2	0 44	22 46	0 3	9 36	1 55	20 34	0 32	5 43
S 26	19 23 15 3	3 40	11 38	4 30	9 5	5 8	4 47	0 44	22 45	0 3	9 37	1 55	20 33	0 32	5 43
S 27	19 10 18 33	2 45	11 40	4 38	8 59	5 22	4 32	0 43	22 43	0 3	9 39	1 55	20 32	0 32	5 44
M28	18 56 21 9	1 39	11 44	4 44	8 54	5 35	4 17	0 42	22 42	0 3	9 40	1 55	20 31	0 32	5 44
T 29	18 41 22 33	0 25	11 50	4 49	8 49	5 48	4 2	0 42	22 41	0 3	9 42	1 55	20 31	0 33	5 44
W30	18 27 22 31	0s2	11 59	4 53	8 46	6 1	3 46	0 41	22 39	0 3	9 43	1 56	20 30	0 33	5 45
T 31	18n12	20n56	2s 8	12n 9	4s55	8n43	6s13	3n31	0n40	22n38	0n 3	9s45	1s56	20n29	0n33

Julian Day Number = 2374295.5, Delta T = 16.50 sec  
 Ecliptic obliquity = 23°27'58, Nutation = 0°00'17  
 Ayanamsha: Fagan/Bradley = 21°47'15, Lahiri = 20°54'15Greg. Calendar

SWISS EPHEMERIS for the year 1788

AUGUST 1788

00:00 UT

Table with 17 columns: Day, Sid.t, and 15 zodiac signs (♈, ♉, ♊, ♋, ♌, ♍, ♎, ♏, ♐, ♑, ♒, ♓, ♈, ♉, ♊). Each cell contains numerical values for the day.

Table with 17 columns: Day, and 15 zodiac signs (♈, ♉, ♊, ♋, ♌, ♍, ♎, ♏, ♐, ♑, ♒, ♓, ♈, ♉, ♊). Each cell contains astronomical coordinates: decl, decl, lat for each sign.

Julian Day Number = 2374326.5, Delta T = 16.50 sec
Ecliptic obliquity = 23°27'58", Nutation = 0°00'18"
Ayanamsha: Fagan/Bradley = 21°47'19", Lahiri = 20°54'19"Greg. Calendar



SWISS EPHEMERIS for the year 1788

SEPTEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
M 1	22 43 15	9 <sup>h</sup> 8'15"	19 <sup>m</sup> 16"	26 <sup>s</sup> 26"	7 <sup>s</sup> 52"	13 <sup>s</sup> 5"	21 <sup>s</sup> 50"	7°R24	2 <sup>s</sup> 52"	19 <sup>s</sup> 23"	16°R 2	12°R43	12 <sup>s</sup> 26"	4 <sup>s</sup> 14"	20 <sup>s</sup> 30"
T 2	22 47 11	10° 6'27"	3 <sup>s</sup> 55"	28°16'	7°59'	13°45'	22° 1'	7 <sup>h</sup> 19'	2°55'	19°24'	16 <sup>s</sup> 1"	12 <sup>s</sup> 32"	12°22'	4°21'	20°32'
W 3	22 51 8	11° 4'41"	18°11'	0 <sup>m</sup> 8"	8° 8'	14°24'	22°12'	7°15'	2°58'	19°26'	15°59'	12°23'	12°19'	4°28'	20°34'
T 4	22 55 4	12° 2'56"	1 <sup>m</sup> 58"	2° 1'	8°18'	15° 3'	22°23'	7°10'	3° 1'	19°28'	15°58'	12°17'	12°16'	4°35'	20°36'
F 5	22 59 1	13° 1'13"	15°16'	3°55'	8°32'	15°43'	22°34'	7° 6'	3° 4'	19°30'	15°57'	12°13'	12°13'	4°41'	20°37'
S 6	23 2 57	13°59'32"	28° 8'	5°50'	8°47'	16°22'	22°45'	7° 1'	3° 7'	19°32'	15°56'	12°11'	12°10'	4°48'	20°39'
S 7	23 6 54	14°57'52"	10 <sup>s</sup> 37"	7°45'	9° 4'	17° 2'	22°55'	6°57'	3°10'	19°34'	15°55'	12°11'	12° 7'	4°55'	20°41'
M 8	23 10 50	15°56'14"	22°48'	9°40'	9°23'	17°41'	23° 6'	6°52'	3°13'	19°36'	15°54'	12°11'	12° 3'	5° 1'	20°42'
T 9	23 14 47	16°54'37"	4 <sup>s</sup> 47"	11°34'	9°43'	18°21'	23°16'	6°48'	3°16'	19°38'	15°53'	12°10'	12° 0'	5° 8'	20°44'
W10	23 18 44	17°53'02"	16°38'	13°29'	10° 6'	19° 1'	23°26'	6°43'	3°19'	19°40'	15°51'	12° 7'	11°57'	5°15'	20°45'
T 11	23 22 40	18°51'29"	28°28'	15°22'	10°30'	19°41'	23°37'	6°39'	3°22'	19°42'	15°50'	12° 2'	11°54'	5°21'	20°47'
F 12	23 26 37	19°49'57"	10 <sup>s</sup> 19"	17°15'	10°56'	20°20'	23°47'	6°34'	3°25'	19°44'	15°49'	11°54'	11°51'	5°28'	20°48'
S 13	23 30 33	20°48'27"	22°15'	19° 8'	11°24'	21° 0'	23°57'	6°30'	3°27'	19°46'	15°48'	11°43'	11°48'	5°35'	20°49'
S 14	23 34 30	21°46'59"	4 <sup>h</sup> 19'	20°59'	11°53'	21°40'	24° 7'	6°26'	3°30'	19°48'	15°47'	11°30'	11°44'	5°41'	20°50'
M15	23 38 26	22°45'32"	16°32'	22°50'	12°24'	22°20'	24°17'	6°21'	3°33'	19°50'	15°46'	11°17'	11°41'	5°48'	20°51'
T 16	23 42 23	23°44'07"	28°55'	24°40'	12°56'	23° 0'	24°26'	6°17'	3°36'	19°52'	15°45'	11° 4'	11°38'	5°55'	20°52'
W17	23 46 19	24°42'45"	11 <sup>h</sup> 19'	26°29'	13°29'	23°41'	24°36'	6°13'	3°38'	19°54'	15°44'	10°52'	11°35'	6° 2'	20°53'
T 18	23 50 16	25°41'24"	24°13'	28°17'	14° 4'	24°21'	24°55'	6° 9'	3°41'	19°56'	15°43'	10°42'	11°32'	6° 8'	20°54'
F 19	23 54 13	26°40'06"	7 <sup>h</sup> 7'	0 <sup>s</sup> 4"	14°41'	25° 1'	24°55'	6° 4'	3°43'	19°58'	15°42'	10°35'	11°28'	6°15'	20°55'
S 20	23 58 9	27°38'49"	20°13'	1°50'	15°18'	25°41'	25° 4'	6° 0'	3°46'	20° 0'	15°41'	10°32'	11°25'	6°22'	20°56'
S 21	0 2 6	28°37'35"	3 <sup>h</sup> 32'	3°35'	15°57'	26°22'	25°13'	5°56'	3°48'	20° 2'	15°40'	10°30'	11°22'	6°28'	20°56'
M22	0 6 2	29°36'24"	17° 4'	5°19'	16°37'	27° 2'	25°22'	5°52'	3°51'	20° 4'	15°40'	10°D30	11°19'	6°35'	20°57'
T 23	0 9 59	0 <sup>s</sup> 35'14"	0 <sup>s</sup> 51"	7° 2'	17°18'	27°43'	25°31'	5°48'	3°53'	20° 6'	15°39'	10°R30	11°16'	6°42'	20°57'
W24	0 13 55	1°34'07"	14°53'	8°44'	18° 0'	28°23'	25°40'	5°44'	3°56'	20° 8'	15°38'	10°30'	11°13'	6°48'	20°57'
T 25	0 17 52	2°33'03"	29°11'	10°26'	18°43'	29° 4'	25°49'	5°41'	3°58'	20°11'	15°37'	10°27'	11° 9'	6°55'	20°58'
F 26	0 21 48	3°32'00"	13 <sup>h</sup> 43'	12° 6'	19°27'	29°45'	25°57'	5°37'	4° 0'	20°13'	15°36'	10°22'	11° 6'	7° 2'	20°58'
S 27	0 25 45	4°31'00"	28°23'	13°46'	20°12'	0 <sup>m</sup> 25"	26° 6'	5°33'	4° 3'	20°15'	15°35'	10°14'	11° 3'	7° 9'	20°58'
S 28	0 29 42	5°30'02"	13 <sup>h</sup> 6'	15°24'	20°58'	1° 6'	26°14'	5°29'	4° 5'	20°17'	15°35'	10° 5'	11° 0'	7°15'	20°R58
M29	0 33 38	6°29'06"	27°44'	17° 2'	21°45'	1°47'	26°22'	5°26'	4° 7'	20°19'	15°34'	9°55'	10°57'	7°22'	20°58
T 30	0 37 35	7 <sup>h</sup> 28'12"	12 <sup>s</sup> 9"	18 <sup>s</sup> 39"	22 <sup>s</sup> 133"	2 <sup>m</sup> 28"	26 <sup>s</sup> 30"	5 <sup>h</sup> 22'	4 <sup>h</sup> 9'	20 <sup>s</sup> 21"	15 <sup>s</sup> 33"	9 <sup>s</sup> 45"	10 <sup>s</sup> 53"	7 <sup>s</sup> 29"	20 <sup>s</sup> 58

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
M 1	8n 9	0s19	4s59	14n 8	1n30	11n48	6s44	4s54	0n18	21n48	0n 7	10s39	2s 0	20n 5	0n33	6s 4	1n39	24s24	8s46	22s21	22s19	15s17	17n57	5s11
T 2	7 47	5 51	4 40	13 35	1 35	11 54	6 36	5 9	0 18	21 46	0 7	10 41	2 0	20 4	0 33	6 4	1 39	24 24	8 46	22 20	22 18	15 15	17 57	5 12
W 3	7 25	10 54	4 4	12 59	1 39	12 0	6 28	5 25	0 17	21 45	0 7	10 43	2 0	20 3	0 33	6 5	1 39	24 24	8 46	22 18	22 18	15 13	17 57	5 12
T 4	7 3	15 13	3 15	12 22	1 43	12 6	6 19	5 41	0 16	21 43	0 7	10 44	2 0	20 3	0 33	6 6	1 39	24 25	8 46	22 17	22 17	15 11	17 56	5 12
F 5	6 41	18 37	2 17	11 43	1 45	12 11	6 11	5 57	0 16	21 41	0 7	10 46	2 0	20 2	0 33	6 7	1 39	24 25	8 46	22 17	22 17	15 9	17 56	5 13
S 6	6 18	20 58	1 14	11 2	1 47	12 15	6 2	6 13	0 15	21 40	0 7	10 48	2 0	20 1	0 33	6 7	1 39	24 25	8 46	22 17	22 17	15 7	17 55	5 13
S 7	5 56	22 12	0 8	10 21	1 48	12 20	5 53	6 29	0 14	21 38	0 7	10 50	2 0	20 1	0 33	6 8	1 39	24 26	8 46	22 17	22 16	15 5	17 55	5 14
M 8	5 33	22 20	0n56	9 37	1 48	12 23	5 44	6 44	0 14	21 37	0 7	10 51	2 0	20 0	0 33	6 9	1 39	24 26	8 46	22 17	22 16	15 2	17 55	5 14
T 9	5 10	21 26	1 57	8 53	1 48	12 27	5 35	7 0	0 13	21 35	0 8	10 53	2 0	19 59	0 33	6 10	1 39	24 26	8 46	22 17	22 15	15 0	17 54	5 15
W10	4 48	19 36	2 52	8 8	1 46	12 30	5 26	7 16	0 12	21 33	0 8	10 55	2 0	19 59	0 33	6 10	1 39	24 27	8 46	22 16	22 15	14 58	17 54	5 15
T 11	4 25	16 55	3 39	7 23	1 45	12 32	5 17	7 31	0 12	21 32	0 8	10 56	2 0	19 58	0 33	6 11	1 39	24 27	8 46	22 15	22 14	14 56	17 53	5 16
F 12	4 2	13 33	4 17	6 37	1 42	12 34	5 8	7 47	0 11	21 30	0 8	10 58	2 0	19 57	0 33	6 12	1 39	24 27	8 45	22 14	22 14	14 54	17 53	5 16
S 13	3 39	9 38	4 43	5 50	1 39	12 35	4 59	8 3	0 10	21 28	0 8	11 0	2 0	19 57	0 33	6 13	1 39	24 27	8 45	22 13	22 14	14 52	17 53	5 17
S 14	3 16	5 18	4 58	5 3	1 36	12 36	4 50	8 18	0 10	21 27	0 8	11 1	2 0	19 56	0 33	6 13	1 39	24 28	8 45	22 11	22 13	14 50	17 52	5 17
M15	2 53	0 44	4 59	4 16	1 32	12 37	4 41	8 34	0 9	21 25	0 8	11 3	2 0	19 55	0 33	6 14	1 39	24 28	8 45	22 9	22 13	14 48	17 52	5 18
T 16	2 29	3n57	4 46	3 28	1 28	12 36	4 32	8 49	0 8	21 24	0 8	11 4	2 0	19 55	0 33	6 15	1 39	24 28	8 45	22 8	22 12	14 46	17 51	5 19
W17	2 6	8 31	4 19	2 41	1 24	12 36	4 23	9 5	0 8	21 22	0 9	11 6	2 0	19 54	0 34	6 16	1 39	24 28	8 45	22 6	22 12	14 43	17 51	5 19
T 18	1 43	12 47	3 39	1 53	1 19	12 35	4 14	9 20	0 7	21 20	0 9	11 8	2 0	19 54	0 34	6 17	1 39	24 29	8 45	22 5	22 11	14 41	17 50	5 20
F 19	1 20	16 32	2 47	1 6	1 14	12 33	4 5	9 36	0 7	21 19	0 9	11 9	2 0	19 53	0 34	6 17	1 39	24 29	8 45	22 4	22 11	14 39	17 50	5 20
S 20	0 56	19 31	1 45	0 19	1 8	12 31	3 56	9 51	0 6	21 17	0 9	11 11	2 0	19 53	0 34	6 18	1 39	24 29	8 45	22 3	22 11	14 37	17 49	5 21
S 21	0 33	21 29	0 37	0s28	1 3	12 28	3 47	10 6	0 5	21 16	0 9	11 12	2 0	19 52	0 34	6 19	1 39	24 29	8 45	22 3	22 10	14 35	17 49	5 21
M22	0 9	22 16	0s35	1 15	0 57	12 25	3 38	10 21	0 5	21 14	0 9	11 14	2 0	19 51	0 34	6 20	1 39	24 29	8 45	22 3	22 10	14 33	17 49	5 22
T 23	0s14	21 42	1 46	2 1	0 51	12 21	3 29	10 37	0 4	21 13	0 9	11 15	2 0	19 51	0 34	6 21	1 39	24 29	8 44	22 3	22 9	14 31	17 48	5 22
W24	0 37	19 47	2 52	2 47	0 44	12 16	3 21	10 52	0 3	21 11	0 9	11 16	2 0	19 50	0 34	6 22	1 39	24 30	8 44	22 3	22 9	14 29	17 48	5 23
T 25	1 1	16 37	3 49	3 33	0 38	12 11	3 12	11 7	0 3	21 10	0 10	11 18	2 0	19 50	0 34	6 22	1 39	24 30	8 44	22 2	22 8	14 26	17 47	5 23
F 26	1 24	12 24	4 31	4 18	0 31	12 6	3 3	11 22	0 2	21 8	0 10	11 19	2 0	19 49	0 34	6 23	1 39	24 30	8 44	22 2	22 8	14 24	17 47	5 24
S 27	1 48	7 24	4 57	5 3	0 25	12 0	2 55	11 37	0 1	21 7	0 10	11 20	2 0	19 49	0 34	6 24	1 39	24 30	8 44	22 1	22 7	14 22	17 46	5 24
S 28	2 11	1 59	5 3	5 48	0 18	11 53	2 47	11 52	0 1	21 5	0 10	11 22	2 0	19 48	0 34	6 25	1 39	24 30	8 44	21 59	22 7	14 20		

# SWISS EPHEMERIS for the year 1788

OCTOBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	0 41 31	8♂27'20	26♂15	20♂15	23♂22	3♂ 9	26♂38	5°R19	4♂11	20♂24	15°R32	9°R37	10♂150	7♂35	20°R58	
T 2	0 45 28	9°26'31	9♂15	21°51	24°11	3°50	26°46	5♂15	4°13	20°26	15♂32	9♂31	10°47	7°42	20♂58	
F 3	0 49 24	10°25'43	23°58	23°25	25° 2	4°31	26°54	5°12	4°15	20°28	15°31	9°27	10°44	7°49	20°57	
S 4	0 53 21	11°24'57	6♂ 8	24°59	25°53	5°13	27° 1	5° 9	4°17	20°30	15°30	9°D26	10°41	7°55	20°57	
S 5	0 57 17	12°24'13	18°39	26°32	26°44	5°54	27° 8	5° 6	4°19	20°33	15°30	9°26	10°38	8° 2	20°56	
M 6	1 1 14	13°23'30	0♂53	28° 4	27°37	6°35	27°16	5° 3	4°21	20°35	15°29	9°27	10°34	8° 9	20°56	
T 7	1 5 11	14°22'50	12°53	29°36	28°30	7°17	27°23	5° 0	4°23	20°37	15°29	9°R28	10°31	8°16	20°55	
W 8	1 9 7	15°22'11	24°46	1♂ 7	29°24	7°58	27°30	4°57	4°24	20°39	15°28	9°27	10°28	8°22	20°54	
T 9	1 13 4	16°21'34	6♂37	2°37	0♂18	8°39	27°37	4°54	4°26	20°41	15°28	9°25	10°25	8°29	20°54	
F 10	1 17 0	17°20'59	18°30	4° 6	1°13	9°21	27°43	4°51	4°28	20°44	15°27	9°20	10°22	8°36	20°53	
S 11	1 20 57	18°20'26	0♂30	5°34	2° 9	10° 3	27°50	4°48	4°29	20°46	15°27	9°14	10°19	8°42	20°52	
S 12	1 24 53	19°19'54	12°40	7° 2	3° 5	10°44	27°56	4°46	4°31	20°48	15°26	9° 6	10°15	8°49	20°51	
M13	1 28 50	20°19'24	25° 2	8°29	4° 2	11°26	28° 2	4°43	4°32	20°50	15°26	8°57	10°12	8°56	20°50	
T 14	1 32 46	21°18'56	7°P39	9°55	4°59	12° 8	28° 8	4°41	4°34	20°53	15°25	8°48	10° 9	9° 2	20°48	
W15	1 36 43	22°18'30	20°29	11°21	5°57	12°50	28°14	4°39	4°35	20°55	15°25	8°39	10° 6	9° 9	20°47	
T 16	1 40 39	23°18'07	3♂33	12°46	6°55	13°32	28°20	4°36	4°37	20°57	15°25	8°33	10° 3	9°16	20°46	
F 17	1 44 36	24°17'45	16°50	14° 9	7°54	14°14	28°25	4°34	4°38	20°59	15°24	8°29	9°59	9°23	20°44	
S 18	1 48 33	25°17'25	0♂19	15°32	8°53	14°56	28°31	4°32	4°39	21° 2	15°24	8°27	9°56	9°29	20°43	
S 19	1 52 29	26°17'08	13°57	16°54	9°53	15°38	28°36	4°30	4°40	21° 4	15°24	8°D27	9°53	9°36	20°41	
M20	1 56 26	27°16'53	27°45	18°15	10°53	16°20	28°41	4°28	4°41	21° 6	15°24	8°28	9°50	9°43	20°40	
T 21	2 0 22	28°16'40	11♂41	19°35	11°53	17° 2	28°46	4°26	4°43	21° 8	15°23	8°29	9°47	9°49	20°38	
W22	2 4 19	29°16'30	25°44	20°54	12°54	17°44	28°51	4°25	4°44	21°10	15°23	8°R30	9°44	9°56	20°36	
T 23	2 8 15	0♂16'21	9♂54	22°12	13°56	18°27	28°55	4°23	4°45	21°13	15°23	8°30	9°40	10° 3	20°35	
F 24	2 12 12	1°16'15	24° 9	23°28	14°58	19° 9	29° 0	4°22	4°46	21°15	15°23	8°28	9°37	10° 9	20°33	
S 25	2 16 8	2°16'11	8♂26	24°43	16° 0	19°52	29° 4	4°20	4°46	21°17	15°23	8°24	9°34	10°16	20°31	
S 26	2 20 5	3°16'09	22°41	25°57	17° 2	20°34	29° 8	4°19	4°47	21°19	15°23	8°19	9°31	10°23	20°29	
M27	2 24 2	4°16'10	6♂51	27° 8	18° 5	21°17	29°12	4°18	4°48	21°22	15°23	8°14	9°28	10°30	20°27	
T 28	2 27 58	5°16'12	20°50	28°18	19° 9	21°59	29°15	4°17	4°49	21°24	15°23	8° 8	9°24	10°36	20°24	
W29	2 31 55	6°16'17	4♂35	29°26	20°12	22°42	29°19	4°16	4°49	21°26	15°D23	8° 4	9°21	10°43	20°22	
T 30	2 35 51	7°16'23	18° 2	0♂31	21°16	23°25	29°22	4°15	4°50	21°28	15°23	8° 1	9°18	10°50	20°20	
F 31	2 39 48	8♂16'31	1♂ 9	1♂34	22♂20	24♂ 8	29♂25	4♂14	4♂51	21♂30	15♂23	7♂59	9♂15	10♂56	20♂17	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	3s21	13s23	3s29	7s58	0s 3	11n30	2s22	12s36	0s 1	21n 1	0n10	11s26	1s59	19n47	0n34	6s27
T 2	3 45 17	12 2 31	8 40	0 10	11 22	2 14	12 50	0 2	21 0	0 10	11 27	1 59	19 46	0 34	6 28	1 39
F 3	4 8 19	59 1 26	9 22	0 17	11 13	2 6	13 5	0 2	20 59	0 11	11 28	1 59	19 46	0 34	6 29	1 39
S 4	4 31 21	39 0 18	10 3	0 24	11 3	1 58	13 19	0 3	20 57	0 11	11 29	1 59	19 46	0 34	6 30	1 39
S 5	4 54 22	10 0n49	10 44	0 31	10 53	1 51	13 34	0 4	20 56	0 11	11 30	1 59	19 45	0 34	6 31	1 39
M 6	5 18 21	35 1 52	11 24	0 38	10 42	1 43	13 48	0 4	20 55	0 11	11 31	1 59	19 45	0 34	6 31	1 39
T 7	5 41 20	2 2 50	12 3	0 45	10 31	1 36	14 2	0 5	20 53	0 11	11 32	1 59	19 44	0 34	6 32	1 39
W 8	6 3 17	36 3 39	12 41	0 52	10 19	1 28	14 16	0 6	20 52	0 11	11 33	1 59	19 44	0 34	6 33	1 39
T 9	6 26 14	28 4 18	13 19	0 59	10 7	1 21	14 30	0 6	20 51	0 11	11 34	1 59	19 44	0 34	6 34	1 39
F 10	6 49 10	45 4 47	13 56	1 6	9 54	1 14	14 44	0 7	20 50	0 12	11 35	1 59	19 43	0 34	6 35	1 39
S 11	7 12 6	35 5 3	14 32	1 13	9 41	1 7	14 58	0 7	20 49	0 12	11 36	1 59	19 43	0 34	6 36	1 39
S 12	7 34 2	6 5 6	15 8	1 20	9 27	1 0	15 11	0 8	20 48	0 12	11 37	1 59	19 43	0 34	6 36	1 39
M13	7 57 2n32	4 55 15	15 42	1 26	9 13	0 53	15 25	0 9	20 46	0 12	11 38	1 59	19 42	0 34	6 37	1 39
T 14	8 19 7	9 4 29	16 16	1 33	8 59	0 46	15 38	0 9	20 45	0 12	11 39	1 58	19 42	0 34	6 38	1 39
W15	8 42 11	33 3 50	16 49	1 39	8 44	0 40	15 52	0 10	20 44	0 12	11 39	1 58	19 42	0 34	6 39	1 39
T 16	9 4 15	29 2 57	17 21	1 45	8 28	0 33	16 5	0 11	20 43	0 13	11 40	1 58	19 41	0 34	6 40	1 39
F 17	9 26 18	43 1 54	17 53	1 51	8 12	0 27	16 18	0 11	20 42	0 13	11 41	1 58	19 41	0 35	6 41	1 39
S 18	9 48 20	57 0 44	18 23	1 57	7 56	0 21	16 31	0 12	20 41	0 13	11 41	1 58	19 41	0 35	6 41	1 39
S 19	10 9 22	0 0s30	18 52	2 3	7 39	0 15	16 44	0 12	20 41	0 13	11 42	1 58	19 41	0 35	6 42	1 39
M20	10 31 21	44 1 43	19 20	2 8	7 22	0 9	16 57	0 13	20 40	0 13	11 43	1 58	19 40	0 35	6 43	1 39
T 21	10 52 20	7 2 51	19 48	2 14	7 4	0 3	17 9	0 14	20 39	0 13	11 43	1 58	19 40	0 35	6 44	1 39
W22	11 14 17	16 3 49	20 14	2 19	6 46	0n 3	17 22	0 14	20 38	0 13	11 44	1 58	19 40	0 35	6 45	1 39
T 23	11 35 13	24 4 33	20 39	2 23	6 28	0 9	17 34	0 15	20 37	0 14	11 44	1 57	19 40	0 35	6 46	1 39
F 24	11 56 8	45 5 1	21 3	2 28	6 9	0 14	17 47	0 15	20 36	0 14	11 45	1 57	19 40	0 35	6 46	1 39
S 25	12 17 3	37 5 11	21 26	2 32	5 50	0 20	17 59	0 16	20 36	0 14	11 45	1 57	19 39	0 35	6 47	1 39
S 26	12 37 1s42	5 1 21	47	2 36	5 30	0 25	18 11	0 17	20 35	0 14	11 45	1 57	19 39	0 35	6 48	1 39
M27	12 57 6	54 4 33	22 7	2 39	5 11	0 30	18 23	0 17	20 34	0 14	11 46	1 57	19 39	0 35	6 49	1 39
T 28	13 18 11	41 3 49	22 26	2 42	4 50	0 35	18 34	0 18	20 34	0 14	11 46	1 57	19 39	0 35	6 50	1 39
W29	13 38 15	46 2 52	22 44	2 45	4 30	0 40	18 46	0 18	20 33	0 15	11 46	1 57	19 39	0 35	6 50	1 39
T 30	13 57 18	56 1 47	23 0	2 47	4 9	0 45	18 57	0 19	20 33	0 15	11 46	1 57	19 39	0 35	6 51	1 39
F 31	14s17	21s 1	0s37	23s14	2s48	3n48	0n49	19s 8	0s20	20n32	0n15	11s46	1s56	19n39	0n35	6s52

Julian Day Number = 2374387.5, Delta T = 16.50 sec  
 Ecliptic obliquity = 23°27'58, Nutation = 0°00'16  
 Ayanamsha: Fagan/Bradley = 21°47'27, Lahiri = 20°54'27Greg. Calendar

SWISS EPHEMERIS for the year 1788

NOVEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	2 43 44	9♈16'41	13♌57	2♋34	23♎25	24♏50	29♏28	4°R13	4♌51	21♌32	15♌23	7°D59	9♌12	11♌3	20°R15	
S 2	2 47 41	10°16'53	26°27	3°31	24°30	25°33	29°31	4♋13	4°51	21°35	15°23	8♌0	9°9	11°10	20II13	
M 3	2 51 37	11°17'06	8♌34	4°24	25°35	26°16	29°34	4°12	4°52	21°37	15°23	8°2	9°5	11°17	20°10	
T 4	2 55 34	12°17'21	20°43	5°13	26°40	26°59	29°36	4°12	4°52	21°39	15°23	8°4	9°2	11°23	20°7	
W 5	2 59 31	13°17'37	2♌37	5°58	27°46	27°43	29°38	4°12	4°52	21°41	15°23	8°5	8°59	11°30	20°5	
T 6	3 3 27	14°17'55	14°28	6°37	28°52	28°26	29°40	4°12	4°53	21°43	15°23	8°R 6	8°56	11°37	20°2	
F 7	3 7 24	15°18'14	26°22	7°11	29°58	29°9	29°42	4°D11	4°53	21°45	15°24	8°5	8°53	11°43	19°59	
S 8	3 11 20	16°18'34	8♋22	7°39	1♌5	29°52	29°44	4°12	4°53	21°47	15°24	8°3	8°50	11°50	19°56	
S 9	3 15 17	17°18'56	20°34	7°59	2°11	0♌36	29°45	4°12	4°R53	21°49	15°24	8°1	8°46	11°57	19°54	
M10	3 19 13	18°19'20	3♏1	8°12	3°18	1°19	29°46	4°12	4°53	21°51	15°25	7°58	8°43	12°3	19°51	
T 11	3 23 10	19°19'45	15°45	8°R16	4°25	2°2	29°47	4°12	4°53	21°53	15°25	7°55	8°40	12°10	19°48	
W12	3 27 6	20°20'11	28°48	8°12	5°33	2°46	29°48	4°13	4°53	21°55	15°25	7°52	8°37	12°17	19°45	
T 13	3 31 3	21°20'39	12♌10	7°57	6°40	3°29	29°49	4°13	4°53	21°58	15°26	7°50	8°34	12°24	19°41	
F 14	3 35 0	22°21'08	25°50	7°33	7°48	4°13	29°49	4°14	4°52	22°0	15°26	7°49	8°30	12°30	19°38	
S 15	3 38 56	23°21'39	9II45	6°58	8°56	4°57	29°49	4°15	4°52	22°1	15°27	7°D49	8°27	12°37	19°35	
S 16	3 42 53	24°22'12	23°52	6°12	10°4	5°41	29°R49	4°16	4°52	22°3	15°27	7°49	8°24	12°44	19°32	
M17	3 46 49	25°22'47	8♌6	5°17	11°13	6°24	29°49	4°17	4°51	22°5	15°28	7°50	8°21	12°50	19°29	
T 18	3 50 46	26°23'23	22°24	4°12	12°22	7°8	29°49	4°18	4°51	22°7	15°28	7°51	8°18	12°57	19°25	
W19	3 54 42	27°24'01	6♌42	3°0	13°30	7°52	29°48	4°19	4°51	22°9	15°29	7°52	8°15	13°4	19°22	
T 20	3 58 39	28°24'40	20°57	1°42	14°39	8°36	29°47	4°20	4°50	22°11	15°29	7°52	8°11	13°11	19°19	
F 21	4 2 35	29°25'21	5♎7	0°21	15°49	9°20	29°47	4°22	4°49	22°13	15°30	7°R52	8°8	13°17	19°15	
S 22	4 6 32	0♌26'04	19°9	28♏59	16°58	10°4	29°45	4°23	4°49	22°15	15°31	7°52	8°5	13°24	19°12	
S 23	4 10 29	1°26'48	3♌2	27°39	18°7	10°48	29°44	4°25	4°48	22°17	15°31	7°51	8°2	13°31	19°8	
M24	4 14 25	2°27'34	16°44	26°23	19°17	11°32	29°42	4°27	4°47	22°19	15°32	7°51	7°59	13°37	19°5	
T 25	4 18 22	3°28'22	0♏15	25°15	20°27	12°17	29°41	4°29	4°46	22°20	15°33	7°50	7°56	13°44	19°1	
W26	4 22 18	4°29'11	13°33	24°16	21°37	13°1	29°39	4°30	4°46	22°22	15°33	7°50	7°52	13°51	18°58	
T 27	4 26 15	5°30'01	26°37	23°27	22°47	13°45	29°37	4°32	4°45	22°24	15°34	7°50	7°49	13°58	18°54	
F 28	4 30 11	6°30'53	9♌26	22°49	23°57	14°30	29°34	4°35	4°44	22°26	15°35	7°D50	7°46	14°4	18°50	
S 29	4 34 8	7°31'46	22°2	22°23	25°8	15°14	29°32	4°37	4°43	22°27	15°36	7°R50	7°43	14°11	18°47	
S 30	4 38 4	8♌32'39	4♌24	22♏8	26♏18	15♌59	29♏29	4♋39	4♌42	22♏29	15♌37	7♌50	7♌40	14♌18	18II43	

Day	☉	☽	♀	♁	♂	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
S 1	14s36	21s58	0n33	23s27	2s49	3n27	0n54	19s20	0s20	20n32	0n15	11s47	1s56	19n38	0n35	6s53	1n39	24s29	8s39	21s40	21s51	13s4	17n26	5s41
S 2	14 55	21 45	1 40	23 39	2 49	3 5	0 58	19 30	0 21	20 31	0 15	11 47	1 56	19 38	0 35	6 54	1 39	24 29	8 39	21 40	21 51	13 4	17 26	5 41
M 3	15 14	20 31	2 41	23 48	2 49	2 43	1 3	19 41	0 21	20 31	0 15	11 47	1 56	19 38	0 35	6 54	1 39	24 29	8 38	21 40	21 50	13 2	17 25	5 42
T 4	15 32	18 21	3 34	23 56	2 47	2 21	1 7	19 52	0 22	20 31	0 16	11 47	1 56	19 38	0 35	6 55	1 39	24 28	8 38	21 41	21 50	13 0	17 25	5 42
W 5	15 51	15 26	4 17	24 2	2 45	1 58	1 11	20 2	0 23	20 30	0 16	11 47	1 56	19 38	0 35	6 56	1 39	24 28	8 38	21 41	21 49	12 58	17 24	5 43
T 6	16 9	11 54	4 49	24 6	2 42	1 36	1 15	20 12	0 23	20 30	0 16	11 47	1 56	19 38	0 35	6 57	1 39	24 28	8 38	21 41	21 49	12 55	17 23	5 43
F 7	16 27	7 54	5 8	24 8	2 38	1 13	1 18	20 23	0 24	20 30	0 16	11 47	1 55	19 38	0 35	6 57	1 39	24 28	8 38	21 41	21 48	12 53	17 23	5 43
S 8	16 44	3 34	5 15	24 7	2 33	0 50	1 22	20 32	0 24	20 30	0 16	11 46	1 55	19 38	0 35	6 58	1 39	24 27	8 38	21 41	21 48	12 51	17 22	5 44
S 9	17 1	0n58	5 7	24 4	2 26	0 26	1 26	20 42	0 25	20 30	0 16	11 46	1 55	19 38	0 35	6 59	1 39	24 27	8 37	21 40	21 47	12 49	17 22	5 44
M10	17 18	5 34	4 46	23 59	2 18	0 3	1 29	20 52	0 25	20 29	0 17	11 46	1 55	19 38	0 35	7 0	1 39	24 27	8 37	21 40	21 47	12 46	17 21	5 44
T 11	17 35	10 2	4 9	23 50	2 9	0s21	1 32	21 1	0 26	20 29	0 17	11 46	1 55	19 38	0 36	7 0	1 39	24 27	8 37	21 39	21 46	12 44	17 21	5 45
W12	17 51	14 10	3 19	23 39	1 59	0 45	1 35	21 10	0 27	20 29	0 17	11 45	1 55	19 38	0 36	7 1	1 39	24 26	8 37	21 39	21 46	12 42	17 20	5 45
T 13	18 7	17 41	2 17	23 24	1 46	1 9	1 38	21 19	0 27	20 29	0 17	11 45	1 55	19 39	0 36	7 2	1 39	24 26	8 37	21 38	21 45	12 40	17 19	5 45
F 14	18 23	20 18	1 6	23 7	1 32	1 33	1 41	21 28	0 28	20 30	0 17	11 45	1 54	19 39	0 36	7 3	1 39	24 26	8 37	21 38	21 45	12 38	17 19	5 46
S 15	18 38	21 46	0s11	22 46	1 17	1 57	1 44	21 37	0 28	20 30	0 17	11 44	1 54	19 39	0 36	7 3	1 39	24 25	8 36	21 38	21 44	12 35	17 18	5 46
S 16	18 53	21 52	1 28	22 21	1 0	2 22	1 47	21 45	0 29	20 30	0 18	11 44	1 54	19 39	0 36	7 4	1 39	24 25	8 36	21 38	21 44	12 33	17 18	5 46
M17	19 8	20 33	2 40	21 53	0 42	2 46	1 49	21 53	0 29	20 30	0 18	11 43	1 54	19 39	0 36	7 5	1 39	24 25	8 36	21 38	21 43	12 31	17 17	5 47
T 18	19 22	17 56	3 43	21 23	0 22	3 11	1 52	22 1	0 30	20 30	0 18	11 43	1 54	19 39	0 36	7 5	1 39	24 25	8 36	21 39	21 43	12 29	17 17	5 47
W19	19 36	14 14	4 31	20 49	0 2	3 35	1 54	22 9	0 30	20 31	0 18	11 42	1 54	19 39	0 36	7 6	1 39	24 24	8 36	21 39	21 42	12 27	17 16	5 47
T 20	19 50	9 44	5 3	20 14	0n18	4 0	1 56	22 16	0 31	20 31	0 18	11 42	1 54	19 39	0 36	7 7	1 39	24 24	8 36	21 39	21 42	12 24	17 16	5 48
F 21	20 3	4 44	5 17	19 37	0 39	4 25	1 58	22 24	0 32	20 31	0 18	11 41	1 54	19 40	0 36	7 7	1 39	24 24	8 35	21 39	21 41	12 22	17 15	5 48
S 22	20 16	0s28	5 11	19 0	0 59	4 50	2 0	22 31	0 32	20 32	0 19	11 40	1 53	19 40	0 36	7 8	1 39	24 23	8 35	21 39	21 41	12 20	17 15	5 48
S 23	20 28	5 36	4 47	18 24	1 17	5 14	2 2	22 38	0 33	20 32	0 19	11 39	1 53	19 40	0 36	7 9	1 39	24 23	8 35	21 39	21 40	12 18	17 14	5 48
M24	20 41	10 23	4 7	17 50	1 35	5 39	2 3	22 44	0 33	20 33	0 19	11 39	1 53	19 40	0 36	7 9	1 39	24 22	8 35	21 39	21 40	12 15	17 13	5 49
T 25	20 52	14 36	3 14	17 19	1 50	6 4	2 5	22 51	0 34	20 33	0 19	11 38	1 53	19 40	0 36	7 10	1 39	24 22	8 35	21 38	21 39	12 13	17 13	5 49
W26	21 4	18 0	2 11	16 51	2 4	6 29	2 6	22 57	0 34	20 34	0 19	11 37	1 53	19 41	0 36	7 11	1 40	24 22	8 35	21 38	21 39	12 11	17 12	5 49
T 27	21 15	20 25	1 2	16 28	2 15	6 54	2 8	23 3	0 35	20 34	0 20	11 36	1 53	19 41	0 36	7 11	1 40	24 21	8 34	21 38	21 38	12 9	17 12	5 49
F 28	21 25	21 45	0n9	16 10	2 24	7 19	2 9	23 9	0 35	20 35	0 20	11 35	1 53	19 41	0 36	7 12	1 40	24 21	8 34	21 38	21 38	12 6	17 11	5 50
S 29	21 35	21 56	1 18	15 57	2 31	7 43	2 10	23 15	0 36	20 36	0 20	11 34	1 52	19 42	0 36	7 12	1 40	24 21	8 34	21 38	21 37	12 4	17 11	5 50

SWISS EPHEMERIS for the year 1788

DECEMBER 1788

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	4 42 1	9♂33'34	16♂34	22°D 4	27♂29	16♂43	29°R26	4♂42	4°R41	22♂31	15♂38	7°R49	7♂36	14♂24	18°R39		
T 2	4 45 58	10°34'30	28°35	22♂11	28°40	17°28	29♂23	4°44	4♂39	22°32	15°39	7♂49	7°33	14°31	18♂36		
W 3	4 49 54	11°35'26	10♂29	22°27	29°51	18°13	29°20	4°47	4°38	22°34	15°39	7°49	7°30	14°38	18°32		
T 4	4 53 51	12°36'24	22°20	22°52	1♂ 2	18°57	29°16	4°50	4°37	22°36	15°40	7°48	7°27	14°45	18°28		
F 5	4 57 47	13°37'22	4♂13	23°25	2°13	19°42	29°12	4°52	4°36	22°37	15°41	7°48	7°24	14°51	18°25		
S 6	5 1 44	14°38'20	16°11	24° 5	3°24	20°27	29° 9	4°55	4°34	22°39	15°42	7°D48	7°21	14°58	18°21		
S 7	5 5 40	15°39'19	28°20	24°52	4°35	21°12	29° 5	4°58	4°33	22°40	15°43	7°48	7°17	15° 5	18°17		
M 8	5 9 37	16°40'19	10♀44	25°44	5°47	21°57	29° 0	5° 1	4°31	22°42	15°44	7°49	7°14	15°11	18°13		
T 9	5 13 33	17°41'20	23°28	26°41	6°58	22°42	28°56	5° 5	4°30	22°43	15°45	7°49	7°11	15°18	18°10		
W10	5 17 30	18°42'21	6♂34	27°42	8°10	23°27	28°51	5° 8	4°28	22°45	15°47	7°50	7° 8	15°25	18° 6		
T 11	5 21 27	19°43'22	20° 4	28°46	9°22	24°12	28°47	5°11	4°27	22°46	15°48	7°51	7° 5	15°32	18° 2		
F 12	5 25 23	20°44'24	3♂58	29°54	10°34	24°57	28°42	5°15	4°25	22°48	15°49	7°R52	7° 2	15°38	17°58		
S 13	5 29 20	21°45'27	18°14	1♂ 5	11°46	25°42	28°37	5°18	4°23	22°49	15°50	7°52	6°58	15°45	17°54		
S 14	5 33 16	22°46'31	2♂47	2°19	12°58	26°27	28°31	5°22	4°22	22°50	15°51	7°51	6°55	15°52	17°51		
M15	5 37 13	23°47'35	17°31	3°34	14°10	27°12	28°26	5°26	4°20	22°52	15°52	7°49	6°52	15°58	17°47		
T 16	5 41 9	24°48'40	2♂19	4°52	15°22	27°58	28°20	5°30	4°18	22°53	15°54	7°47	6°49	16° 5	17°43		
W17	5 45 6	25°49'45	17° 3	6°11	16°34	28°43	28°15	5°34	4°16	22°54	15°55	7°45	6°46	16°12	17°40		
T 18	5 49 3	26°50'51	1♂36	7°31	17°47	29°29	28° 9	5°38	4°14	22°55	15°56	7°42	6°42	16°19	17°36		
F 19	5 52 59	27°51'58	15°55	8°53	18°59	0♂14	28° 3	5°42	4°12	22°57	15°57	7°41	6°39	16°25	17°32		
S 20	5 56 56	28°53'06	29°56	10°16	20°12	0°59	27°57	5°46	4°10	22°58	15°59	7°D41	6°36	16°32	17°28		
S 21	6 0 52	29°54'14	13♂39	11°40	21°24	1°45	27°50	5°50	4° 8	22°59	16° 0	7°41	6°33	16°39	17°25		
M22	6 4 49	0♂55'23	27° 4	13° 5	22°37	2°31	27°44	5°55	4° 6	23° 0	16° 1	7°43	6°30	16°45	17°21		
T 23	6 8 45	1°56'33	10♂13	14°31	23°50	3°16	27°37	5°59	4° 4	23° 1	16° 3	7°44	6°27	16°52	17°17		
W24	6 12 42	2°57'43	23° 7	15°57	25° 3	4° 2	27°31	6° 3	4° 2	23° 2	16° 4	7°46	6°23	16°59	17°14		
T 25	6 16 38	3°58'54	5♂48	17°24	26°15	4°48	27°24	6° 8	4° 0	23° 3	16° 5	7°R46	6°20	17° 6	17°10		
F 26	6 20 35	5° 0'05	18°18	18°52	27°28	5°33	27°17	6°13	3°58	23° 4	16° 7	7°46	6°17	17°12	17° 7		
S 27	6 24 32	6° 1'16	0♂38	20°20	28°41	6°19	27°10	6°18	3°56	23° 5	16° 8	7°44	6°14	17°19	17° 3		
S 28	6 28 28	7° 2'28	12°49	21°49	29°54	7° 5	27° 3	6°22	3°53	23° 6	16°10	7°40	6°11	17°26	17° 0		
M29	6 32 25	8° 3'39	24°52	23°18	1♂ 8	7°51	26°56	6°27	3°51	23° 7	16°11	7°36	6° 8	17°32	16°56		
T 30	6 36 21	9° 4'51	6♂49	24°48	2°21	8°37	26°48	6°32	3°49	23° 8	16°13	7°30	6° 4	17°39	16°53		
W31	6 40 18	10♂ 6'02	18♂42	26♂18	3♂34	9♂23	26♂41	6♂37	3♂47	23♂ 9	16♂14	7♂23	6♂ 1	17♂46	16♂49		

Day	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	21s55	19s 9	3n19	15s44	2n40	8s32	2n12	23s25	0s37	20n37	0n20	11s32	1s52	19n42	0n36	7s14	1n40	24s20	8s34	21s38	21s36	12s 0	17n10	5s50
T 2	22 3	16 27	4 6	15 44	2 41	8 57	2 12	23 30	0 37	20 38	0 20	11 31	1 52	19 42	0 36	7 14	1 40	24 19	8 34	21 38	21 36	11 58	17 9	5 50
W 3	22 12	13 6	4 42	15 49	2 41	9 21	2 13	23 34	0 38	20 39	0 21	11 30	1 52	19 43	0 36	7 15	1 40	24 19	8 34	21 38	21 35	11 55	17 9	5 50
T 4	22 20	9 16	5 6	15 56	2 40	9 45	2 13	23 39	0 39	20 40	0 21	11 29	1 52	19 43	0 36	7 15	1 40	24 18	8 33	21 38	21 35	11 53	17 9	5 51
F 5	22 28	5 4	5 17	16 7	2 37	10 10	2 14	23 43	0 39	20 41	0 21	11 28	1 52	19 43	0 36	7 16	1 40	24 18	8 33	21 38	21 34	11 51	17 8	5 51
S 6	22 35	0 38	5 14	16 20	2 34	10 34	2 14	23 47	0 40	20 42	0 21	11 27	1 51	19 44	0 36	7 16	1 40	24 18	8 33	21 38	21 34	11 49	17 8	5 51
S 7	22 42	3n53	4 57	16 35	2 30	10 57	2 14	23 50	0 40	20 43	0 21	11 25	1 51	19 44	0 36	7 17	1 40	24 17	8 33	21 38	21 33	11 46	17 7	5 51
M 8	22 48	8 20	4 26	16 52	2 25	11 21	2 14	23 54	0 41	20 44	0 22	11 24	1 51	19 45	0 36	7 17	1 40	24 17	8 33	21 38	21 33	11 44	17 7	5 51
T 9	22 54	12 33	3 42	17 11	2 19	11 44	2 14	23 57	0 41	20 45	0 22	11 23	1 51	19 45	0 37	7 18	1 40	24 16	8 33	21 38	21 32	11 42	17 6	5 51
W10	22 59	16 19	2 45	17 31	2 13	12 8	2 14	24 0	0 42	20 46	0 22	11 22	1 51	19 45	0 37	7 18	1 40	24 16	8 33	21 38	21 31	11 40	17 6	5 51
T 11	23 4	19 20	1 37	17 51	2 6	12 31	2 14	24 2	0 42	20 47	0 22	11 20	1 51	19 46	0 37	7 19	1 40	24 15	8 32	21 39	21 31	11 37	17 5	5 51
F 12	23 9	21 19	0 22	18 12	1 59	12 53	2 14	24 5	0 43	20 48	0 22	11 19	1 51	19 46	0 37	7 19	1 40	24 15	8 32	21 39	21 30	11 35	17 5	5 52
S 13	23 13	22 0	0s57	18 34	1 52	13 16	2 13	24 7	0 43	20 50	0 22	11 17	1 50	19 47	0 37	7 20	1 40	24 14	8 32	21 39	21 30	11 33	17 5	5 52
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M15	23 19	18 59	3 22	19 18	1 37	14 0	2 12	24 10	0 44	20 52	0 23	11 14	1 50	19 48	0 37	7 21	1 40	24 13	8 32	21 38	21 29	11 28	17 4	5 52
T 16	23 22	15 29	4 17	19 40	1 30	14 22	2 11	24 11	0 44	20 53	0 23	11 13	1 50	19 48	0 37	7 21	1 40	24 13	8 32	21 38	21 28	11 26	17 3	5 52
W17	23 24	11 3	4 55	20 1	1 22	14 43	2 11	24 12	0 45	20 55	0 23	11 11	1 50	19 48	0 37	7 22	1 41	24 12	8 32	21 37	21 28	11 24	17 3	5 52
T 18	23 26	6 2	5 14	20 22	1 14	15 5	2 10	24 13	0 45	20 56	0 23	11 10	1 50	19 49	0 37	7 22	1 41	24 12	8 32	21 37	21 27	11 22	17 3	5 52
F 19	23 27	0 46	5 12	20 43	1 6	15 25	2 9	24 14	0 46	20 58	0 23	11 8	1 50	19 49	0 37	7 22	1 41	24 11	8 32	21 37	21 27	11 19	17 2	5 52
S 20	23 28	4s26	4 52	21 3	0 58	15 46	2 8	24 14	0 46	20 59	0 24	11 6	1 50	19 50	0 37	7 23	1 41	24 11	8 31	21 37	21 26	11 17	17 2	5 52
S 21	23 28	9 19	4 16	21 23	0 50	16 6	2 6	24 14	0 47	21 0	0 24	11 5	1 50	19 50	0 37	7 23	1 41	24 10	8 31	21 37	21 26	11 15	17 2	5 52
M22	23 28	13 38	3 26	21 42	0 42	16 26	2 5	24 14	0 47	21 2	0 24	11 3	1 49	19 51	0 37	7 23	1 41	24 10	8 31	21 37	21 25	11 12	17 1	5 52
T 23	23 27	17 12	2 26	22 0	0 35	16 45	2 4	24 13	0 48	21 3	0 24	11 1	1 49	19 51	0 37	7 24	1 41	24 9	8 31	21 37	21 25	11 10	17 1	5 52
W24	23 26	19 52	1 20	22 17	0 27	17 4	2 2	24 12	0 48	21 5	0 24	10 59	1 49	19 52	0 37	7 24	1 41	24 9	8 31	21 38	21 24	11 8	17 1	5 52
T 25	23 24	21 29	0 11	22 33	0 19	17 23	2 1	24 11	0 49	21 6	0 25	10 58	1 49	19 52	0 37	7 24	1 41	24 8	8 31	21 38	21 23	11 6	17 0	5 52
F 26	23 22	22 0	0n57	22 48	0 12	17 41	1 59	24 10	0 49	21 8	0 25	10 56	1 49	19 53	0 37	7 25	1 41	24 8	8 31	21 38	21 23	11 3	17 0	5 52
S 27	23 20	21 26	2 2	23 3	0 4	17 58	1 58	24 8	0 49	21 9	0 25	10 54	1 49	19 54	0 37	7 25	1 41	24 7	8 31	21 37	21 22	11 1	17 0	5 52
S 28	23 17	19 52	3 0	23 16	0s 3	18 16	1 56	24 6	0 50	21 11	0 25	10 52	1 49	19 54	0 37									