

SWISS EPHEMERIS for the year 1789

JANUARY 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	6 44 14	11♌7 13	0♋32	27♎48	4♌47	10♌9	26°R33	6♋42	3°R44	23♎9	16♌16	7°R17	5♎58	17♌53	16°R46
F 2	6 48 11	12° 8'24	12°24	29°19	6° 0	10°55	26♌26	6°48	3♎42	23°10	16°17	7♎12	5°55	17°59	16♌43
S 3	6 52 7	13° 9'34	24°21	0♌51	7°14	11°41	26°18	6°53	3°40	23°11	16°19	7° 9	5°52	18° 6	16°40
S 4	6 56 4	14°10'44	6♎26	2°23	8°27	12°27	26°10	6°58	3°37	23°11	16°20	7° 7	5°48	18°13	16°36
M 5	7 0 1	15°11'53	18°45	3°55	9°40	13°13	26° 3	7° 4	3°35	23°12	16°22	7°D 7	5°45	18°19	16°33
T 6	7 3 57	16°13'03	1♌22	5°28	10°54	13°59	25°55	7° 9	3°32	23°13	16°23	7° 8	5°42	18°26	16°30
W 7	7 7 54	17°14'11	14°21	7° 1	12° 7	14°46	25°47	7°15	3°30	23°13	16°25	7° 9	5°39	18°33	16°27
T 8	7 11 50	18°15'19	27°47	8°34	13°21	15°32	25°39	7°20	3°27	23°14	16°26	7°10	5°36	18°40	16°24
F 9	7 15 47	19°16'27	11♌41	10° 8	14°35	16°18	25°31	7°26	3°25	23°14	16°28	7°R11	5°33	18°46	16°21
S 10	7 19 43	20°17'34	26° 3	11°43	15°48	17° 5	25°23	7°32	3°22	23°15	16°30	7° 9	5°29	18°53	16°18
S 11	7 23 40	21°18'40	10♌50	13°18	17° 2	17°51	25°15	7°37	3°20	23°15	16°31	7° 6	5°26	19° 0	16°15
M12	7 27 36	22°19'46	25°54	14°53	18°15	18°37	25° 7	7°43	3°17	23°16	16°33	7° 0	5°23	19° 6	16°12
T 13	7 31 33	23°20'51	11♎6	16°29	19°29	19°24	24°59	7°49	3°15	23°16	16°35	6°53	5°20	19°13	16°10
W14	7 35 30	24°21'56	26°16	18° 6	20°43	20°10	24°51	7°55	3°12	23°16	16°36	6°45	5°17	19°20	16° 7
T 15	7 39 26	25°23'01	11♎14	19°42	21°57	20°57	24°43	8° 1	3° 9	23°17	16°38	6°38	5°14	19°27	16° 4
F 16	7 43 23	26°24'05	25°51	21°20	23°10	21°43	24°35	8° 7	3° 7	23°17	16°40	6°33	5°10	19°33	16° 2
S 17	7 47 19	27°25'09	10♌4	22°58	24°24	22°30	24°27	8°13	3° 4	23°17	16°41	6°29	5° 7	19°40	15°59
S 18	7 51 16	28°26'12	23°51	24°37	25°38	23°16	24°19	8°20	3° 2	23°18	16°43	6°D28	5° 4	19°47	15°57
M19	7 55 12	29°27'15	7♎12	26°16	26°52	24° 3	24°11	8°26	2°59	23°18	16°45	6°28	5° 1	19°53	15°54
T 20	7 59 9	0♌28'18	20°12	27°56	28° 6	24°50	24° 3	8°32	2°56	23°18	16°46	6°29	4°58	20° 0	15°52
W21	8 3 5	1°29'20	2♎53	29°36	29°20	25°36	23°55	8°38	2°54	23°18	16°48	6°R30	4°54	20° 7	15°50
T 22	8 7 2	2°30'21	15°18	1♌17	0♌34	26°23	23°47	8°45	2°51	23°18	16°50	6°29	4°51	20°14	15°47
F 23	8 10 59	3°31'22	27°33	2°59	1°48	27°10	23°39	8°51	2°49	23°18	16°52	6°27	4°48	20°20	15°45
S 24	8 14 55	4°32'22	9♌39	4°41	3° 2	27°57	23°31	8°58	2°46	23°R18	16°53	6°22	4°45	20°27	15°43
S 25	8 18 52	5°33'22	21°39	6°24	4°16	28°43	23°23	9° 4	2°43	23°18	16°55	6°14	4°42	20°34	15°41
M26	8 22 48	6°34'20	3♌35	8° 8	5°30	29°30	23°16	9°11	2°41	23°18	16°57	6° 4	4°39	20°41	15°39
T 27	8 26 45	7°35'18	15°29	9°52	6°44	0♌17	23° 8	9°17	2°38	23°18	16°59	5°52	4°35	20°47	15°37
W28	8 30 41	8°36'14	27°20	11°37	7°58	1° 4	23° 1	9°24	2°35	23°18	17° 0	5°39	4°32	20°54	15°35
T 29	8 34 38	9°37'09	9♋12	13°22	9°12	1°51	22°53	9°31	2°33	23°18	17° 2	5°26	4°29	21° 1	15°34
F 30	8 38 34	10°38'03	21° 6	15° 8	10°26	2°38	22°46	9°37	2°30	23°17	17° 4	5°15	4°26	21° 7	15°32
S 31	8 42 31	11°38'56	3♎4	16°55	11♌40	3♌25	22°38	9♋44	2♎28	23♎17	17° 6	5♎6	4♎23	21♌14	15♌31

Delta T = 16.50 sec.

Greg. Calendar

FEBRUARY 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	8 46 28	12♌39'47	15♎9	18♌42	12♌54	4♌12	22°R31	9♋51	2°R25	23°R17	17° 8	5°R 0	4♎20	21♌21	15°R29
M 2	8 50 24	13°40'37	27°26	20°29	14° 8	4°59	22♌24	9°58	2♎23	23♎17	17° 9	4♎56	4°16	21°28	15♌28
T 3	8 54 21	14°41'26	9♌57	22°17	15°23	5°46	22°17	10° 5	2°20	23°16	17°11	4°D55	4°13	21°34	15°26
W 4	8 58 17	15°42'13	22°49	24° 5	16°37	6°33	22°10	10°12	2°17	23°16	17°13	4°55	4°10	21°41	15°25
T 5	9 2 14	16°42'58	6♌11	25°53	17°51	7°20	22° 4	10°19	2°15	23°16	17°15	4°R55	4° 7	21°48	15°24
F 6	9 6 10	17°43'42	19°49	27°41	19° 5	8° 7	21°57	10°26	2°12	23°15	17°16	4°54	4° 4	21°54	15°23
S 7	9 10 7	18°44'25	4♌3	29°29	20°19	8°54	21°50	10°33	2°10	23°15	17°18	4°51	4° 0	22° 1	15°22
S 8	9 14 3	19°45'05	18°45	1♋16	21°33	9°41	21°44	10°40	2° 7	23°14	17°20	4°46	3°57	22° 8	15°21
M 9	9 18 0	20°45'45	3♎49	3° 3	22°48	10°28	21°38	10°47	2° 5	23°14	17°22	4°37	3°54	22°15	15°20
T 10	9 21 57	21°46'22	19° 9	4°49	24° 2	11°15	21°32	10°54	2° 3	23°13	17°24	4°27	3°51	22°21	15°19
W11	9 25 53	22°46'58	4♎31	6°33	25°16	12° 2	21°26	11° 1	2° 0	23°12	17°25	4°16	3°48	22°28	15°18
T 12	9 29 50	23°47'33	19°45	8°16	26°30	12°49	21°20	11° 8	1°58	23°12	17°27	4° 5	3°45	22°35	15°18
F 13	9 33 46	24°48'06	4♌40	9°56	27°44	13°36	21°14	11°15	1°55	23°11	17°29	3°56	3°41	22°41	15°17
S 14	9 37 43	25°48'38	19° 8	11°34	28°59	14°23	21° 9	11°22	1°53	23°11	17°31	3°49	3°38	22°48	15°17
S 15	9 41 39	26°49'09	3♎6	13° 9	0♌13	15°11	21° 3	11°30	1°51	23°10	17°32	3°45	3°35	22°55	15°16
M16	9 45 36	27°49'38	16°35	14°40	1°27	15°58	20°58	11°37	1°49	23° 9	17°34	3°43	3°32	23° 2	15°16
T 17	9 49 32	28°50'07	29°37	16° 6	2°41	16°45	20°53	11°44	1°46	23° 8	17°36	3°43	3°29	23° 8	15°16
W18	9 53 29	29°50'33	12♎16	17°28	3°56	17°32	20°48	11°51	1°44	23° 7	17°38	3°43	3°26	23°15	15°16
T 19	9 57 26	0♋50'59	24°37	18°44	5°10	18°19	20°44	11°59	1°42	23° 7	17°39	3°42	3°22	23°22	15°D15
F 20	10 1 22	1°51'23	6♌45	19°54	6°24	19° 7	20°39	12° 6	1°40	23° 6	17°41	3°38	3°19	23°29	15°15
S 21	10 5 19	2°51'46	18°44	20°56	7°38	19°54	20°35	12°13	1°38	23° 5	17°43	3°32	3°16	23°35	15°16
S 22	10 9 15	3°52'07	0♌38	21°52	8°53	20°41	20°31	12°20	1°35	23° 4	17°45	3°23	3°13	23°42	15°16
M23	10 13 12	4°52'27	12°29	22°39	10° 7	21°28	20°27	12°28	1°33	23° 3	17°46	3°11	3°10	23°49	15°16
T 24	10 17 8	5°52'44	24°20	23°17	11°21	22°15	20°23	12°35	1°31	23° 2	17°48	2°57	3° 6	23°55	15°16
W25	10 21 5	6°53'00	6♋13	23°47	12°36	23° 3	20°19	12°42	1°29	23° 1	17°50	2°42	3° 3	24° 2	15°17
T 26	10 25 1	7°53'15	18° 9	24° 7	13°50	23°50	20°16	12°50	1°27	23° 0	17°52	2°27	3° 0	24° 9	15°17
F 27	10 28 58	8°53'27	0♎8	24°18	15° 4	24°37	20°12	12°57	1°25	22°59	17°53	2°14	2°57	24°16	15°18
S 28	10 32 55	9♋53'38	12♎13	24°R19	16♌18	25♌24	20° 9	13♋4	1♎23	22♎58	17°55	2♎3	2♎54	24♌22	15♌18

Delta T = 16.50 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodiens AG [13.11.2015]

SWISS EPHEMERIS for the year 1789

MARCH 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	10 36 51	10 ^h 53'46"	24 ^h 47'25"	24 ^h R11	17 ^h 33'33"	26 ^h 12'	20 ^h R 6	13 ^h 12'	1 ^h R22	22 ^h R57	17 ^h 55'	1 ^h R55	2 ^h 51'	24 ^h 29'	15 ^h 19'
M 2	10 40 48	11 ^h 53'53"	6 ^h 47'	23 ^h 54'	18 ^h 47'	26 ^h 59'	20 ^h 4	13 ^h 19'	1 ^h 20	22 ^h 56'	17 ^h 58'	1 ^h 50	2 ^h 47'	24 ^h 36'	15 ^h 20'
T 3	10 44 44	12 ^h 53'57"	19 ^h 21'	23 ^h 29'	20 ^h 1	27 ^h 46'	20 ^h 1	13 ^h 27'	1 ^h 18	22 ^h 55'	18 ^h 0	1 ^h 48	2 ^h 44'	24 ^h 42'	15 ^h 21'
W 4	10 48 41	13 ^h 54'00"	2 ^h 11'	22 ^h 55'	21 ^h 16'	28 ^h 33'	19 ^h 59'	13 ^h 34'	1 ^h 16	22 ^h 53'	18 ^h 1	1 ^h D47	2 ^h 41'	24 ^h 49'	15 ^h 22'
T 5	10 52 37	14 ^h 54'00"	15 ^h 23'	22 ^h 15'	22 ^h 30'	29 ^h 21'	19 ^h 57'	13 ^h 41'	1 ^h 15	22 ^h 52'	18 ^h 3	1 ^h R47	2 ^h 38'	24 ^h 56'	15 ^h 23'
F 6	10 56 34	15 ^h 53'58"	28 ^h 57'	21 ^h 28'	23 ^h 44'	0 ^h 8'	19 ^h 55'	13 ^h 49'	1 ^h 13	22 ^h 51'	18 ^h 5	1 ^h 47	2 ^h 35'	25 ^h 3	15 ^h 24'
S 7	11 0 30	16 ^h 53'54"	12 ^h 58'	20 ^h 37'	24 ^h 58'	0 ^h 55'	19 ^h 53'	13 ^h 56'	1 ^h 11	22 ^h 50'	18 ^h 6	1 ^h 45	2 ^h 31'	25 ^h 9	15 ^h 25'
S 8	11 4 27	17 ^h 53'47"	27 ^h 24'	19 ^h 42'	26 ^h 13'	1 ^h 42'	19 ^h 51'	14 ^h 3	1 ^h 10	22 ^h 48'	18 ^h 8	1 ^h 40	2 ^h 28'	25 ^h 16'	15 ^h 27'
M 9	11 8 24	18 ^h 53'39"	12 ^h 14'	18 ^h 44'	27 ^h 27'	2 ^h 29'	19 ^h 50'	14 ^h 11'	1 ^h 8	22 ^h 47'	18 ^h 10	1 ^h 32	2 ^h 25'	25 ^h 23'	15 ^h 28'
T 10	11 12 20	19 ^h 53'28"	27 ^h 21'	17 ^h 46'	28 ^h 41'	3 ^h 17'	19 ^h 49'	14 ^h 18'	1 ^h 7	22 ^h 46'	18 ^h 11	1 ^h 23	2 ^h 22'	25 ^h 30'	15 ^h 29'
W 11	11 16 17	20 ^h 53'15"	12 ^h 35'	16 ^h 48'	29 ^h 55'	4 ^h 4	19 ^h 48'	14 ^h 25'	1 ^h 5	22 ^h 45'	18 ^h 13	1 ^h 12	2 ^h 19'	25 ^h 36'	15 ^h 31'
T 12	11 20 13	21 ^h 53'00"	27 ^h 47'	15 ^h 51'	1 ^h 10	4 ^h 51'	19 ^h 47'	14 ^h 33'	1 ^h 4	22 ^h 43'	18 ^h 14	1 ^h 2	2 ^h 16'	25 ^h 43'	15 ^h 33'
F 13	11 24 10	22 ^h 52'43"	12 ^h 44'	14 ^h 58'	2 ^h 24'	5 ^h 38'	19 ^h 46'	14 ^h 40'	1 ^h 3	22 ^h 42'	18 ^h 16	0 ^h 53	2 ^h 12'	25 ^h 50'	15 ^h 34'
S 14	11 28 6	23 ^h 52'24"	27 ^h 19'	14 ^h 7	3 ^h 38'	6 ^h 25'	19 ^h 46'	14 ^h 47'	1 ^h 1	22 ^h 41'	18 ^h 17	0 ^h 47	2 ^h 9	25 ^h 56'	15 ^h 36'
S 15	11 32 3	24 ^h 52'03"	11 ^h 27'	13 ^h 22'	4 ^h 52'	7 ^h 12'	19 ^h 46'	14 ^h 55'	1 ^h 0	22 ^h 39'	18 ^h 19	0 ^h 43	2 ^h 6	26 ^h 3	15 ^h 38'
M 16	11 35 59	25 ^h 51'41"	25 ^h 4	12 ^h 41'	6 ^h 6	8 ^h 0	19 ^h D46	15 ^h 2	0 ^h 59	22 ^h 38'	18 ^h 20	0 ^h D41	2 ^h 3	26 ^h 10'	15 ^h 40'
T 17	11 39 56	26 ^h 51'17"	8 ^h 14'	12 ^h 6	7 ^h 21'	8 ^h 47'	19 ^h 46'	15 ^h 9	0 ^h 58	22 ^h 36'	18 ^h 22	0 ^h 41	2 ^h 0	26 ^h 17'	15 ^h 42'
W 18	11 43 52	27 ^h 50'51"	20 ^h 58'	11 ^h 36'	8 ^h 35'	9 ^h 34'	19 ^h 46'	15 ^h 17'	0 ^h 57	22 ^h 35'	18 ^h 23	0 ^h 42	1 ^h 57	26 ^h 23'	15 ^h 44'
T 19	11 47 49	28 ^h 50'23"	3 ^h 22'	11 ^h 13'	9 ^h 49'	10 ^h 21'	19 ^h 47'	15 ^h 24'	0 ^h 56	22 ^h 33'	18 ^h 25	0 ^h R42	1 ^h 53	26 ^h 30'	15 ^h 46'
F 20	11 51 46	29 ^h 49'54"	15 ^h 31'	10 ^h 56'	11 ^h 3	11 ^h 8	19 ^h 48'	15 ^h 31'	0 ^h 55	22 ^h 32'	18 ^h 26	0 ^h 41	1 ^h 50	26 ^h 37'	15 ^h 48'
S 21	11 55 42	0 ^h Y49'22"	27 ^h 29'	10 ^h 44'	12 ^h 18'	11 ^h 55'	19 ^h 49'	15 ^h 38'	0 ^h 54	22 ^h 30'	18 ^h 27	0 ^h 37	1 ^h 47	26 ^h 43'	15 ^h 50'
S 22	11 59 39	1 ^h 48'49"	9 ^h 22'	10 ^h D39	13 ^h 32'	12 ^h 42'	19 ^h 50'	15 ^h 45'	0 ^h 53	22 ^h 29'	18 ^h 29	0 ^h 31	1 ^h 44	26 ^h 50'	15 ^h 53'
M 23	12 3 35	2 ^h 48'14"	21 ^h 12'	10 ^h 40'	14 ^h 46'	13 ^h 29'	19 ^h 51'	15 ^h 53'	0 ^h 52	22 ^h 27'	18 ^h 30	0 ^h 23	1 ^h 41	26 ^h 57'	15 ^h 55'
T 24	12 7 32	3 ^h 47'38"	3 ^h 4	10 ^h 46'	16 ^h 0	14 ^h 16'	19 ^h 53'	16 ^h 0	0 ^h 51	22 ^h 26'	18 ^h 31	0 ^h 13	1 ^h 37	27 ^h 4	15 ^h 58'
W 25	12 11 28	4 ^h 46'59"	14 ^h 59'	10 ^h 58'	17 ^h 14'	15 ^h 3	19 ^h 54'	16 ^h 7	0 ^h 50	22 ^h 24'	18 ^h 33	0 ^h 2	1 ^h 34	27 ^h 10'	16 ^h 0
T 26	12 15 25	5 ^h 46'18"	27 ^h 1	11 ^h 14'	18 ^h 29'	15 ^h 50'	19 ^h 56'	16 ^h 14'	0 ^h 50	22 ^h 23'	18 ^h 34	29 ^h M51	1 ^h 31	27 ^h 17'	16 ^h 3
F 27	12 19 21	6 ^h 45'35"	9 ^h Y 9	11 ^h 36'	19 ^h 43'	16 ^h 37'	19 ^h 58'	16 ^h 21'	0 ^h 49	22 ^h 21'	18 ^h 35	29 ^h 41	1 ^h 28	27 ^h 24'	16 ^h 6
S 28	12 23 18	7 ^h 44'50"	21 ^h 25'	12 ^h 3	20 ^h 57'	17 ^h 24'	20 ^h 1	16 ^h 28'	0 ^h 48	22 ^h 20'	18 ^h 37	29 ^h 33	1 ^h 25	27 ^h 31'	16 ^h 8
S 29	12 27 15	8 ^h 44'03"	3 ^h 51'	12 ^h 34'	22 ^h 11'	18 ^h 11'	20 ^h 3	16 ^h 35'	0 ^h 48	22 ^h 18'	18 ^h 38	29 ^h 28	1 ^h 22	27 ^h 37'	16 ^h 11'
M 30	12 31 11	9 ^h 43'14"	16 ^h 26'	13 ^h 9	23 ^h 25'	18 ^h 58'	20 ^h 6	16 ^h 42'	0 ^h 47	22 ^h 16'	18 ^h 39	29 ^h 25	1 ^h 18	27 ^h 44'	16 ^h 14'
T 31	12 35 8	10 ^h Y42'23"	29 ^h 14'	13 ^h 48'	24 ^h 39'	19 ^h 45'	20 ^h 8	16 ^h 49'	0 ^h 47	22 ^h 15'	18 ^h 40	29 ^h D24	1 ^h 15	27 ^h 51'	16 ^h 17'

Delta T = 16.49 sec.

Greg. Calendar

APRIL 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	12 39 4	11 ^h Y41'30"	12 ^h 11'	14 ^h 31'	25 ^h 54'	20 ^h 32'	20 ^h 11'	16 ^h 56'	0 ^h R47	22 ^h R13	18 ^h 42'	29 ^h M25	1 ^h 12	27 ^h 57'	16 ^h 20'
T 2	12 43 1	12 ^h 40'34"	25 ^h 31'	15 ^h 18'	27 ^h 8	21 ^h 19'	20 ^h 15'	17 ^h 3	0 ^h 46	22 ^h 12'	18 ^h 43	29 ^h 26	1 ^h 9	28 ^h 4	16 ^h 23'
F 3	12 46 57	13 ^h 39'36"	9 ^h 5	16 ^h 8	28 ^h 22'	22 ^h 6	20 ^h 18'	17 ^h 10'	0 ^h 46	22 ^h 10'	18 ^h 44	29 ^h R27	1 ^h 6	28 ^h 11'	16 ^h 26'
S 4	12 50 54	14 ^h 38'35"	22 ^h 59'	17 ^h 1	29 ^h 36'	22 ^h 52'	20 ^h 22'	17 ^h 17'	0 ^h 46	22 ^h 8	18 ^h 45	29 ^h 27	1 ^h 2	28 ^h 18'	16 ^h 30'
S 5	12 54 50	15 ^h 37'32"	7 ^h 11'	17 ^h 57'	0 ^h Y50	23 ^h 39'	20 ^h 25'	17 ^h 23'	0 ^h 46	22 ^h 7	18 ^h 46	29 ^h 25	0 ^h 59	28 ^h 24'	16 ^h 33'
M 6	12 58 47	16 ^h 36'27"	21 ^h 42'	18 ^h 56'	2 ^h 4	24 ^h 26'	20 ^h 29'	17 ^h 30'	0 ^h 46	22 ^h 5	18 ^h 47	29 ^h 21	0 ^h 56	28 ^h 31'	16 ^h 36'
T 7	13 2 44	17 ^h 35'20"	6 ^h 12'	19 ^h 58'	3 ^h 18'	25 ^h 13'	20 ^h 33'	17 ^h 37'	0 ^h 45	22 ^h 4	18 ^h 48	29 ^h 16	0 ^h 53	28 ^h 38'	16 ^h 40'
W 8	13 6 40	18 ^h 34'10"	21 ^h 18'	21 ^h 2	4 ^h 32'	25 ^h 59'	20 ^h 37'	17 ^h 44'	0 ^h D45	22 ^h 2	18 ^h 49	29 ^h 10	0 ^h 50	28 ^h 44'	16 ^h 43'
T 9	13 10 37	19 ^h 32'58"	6 ^h 9	22 ^h 9	5 ^h 46'	26 ^h 46'	20 ^h 42'	17 ^h 50'	0 ^h 46	22 ^h 0	18 ^h 50	29 ^h 3	0 ^h 47	28 ^h 51'	16 ^h 47'
F 10	13 14 33	20 ^h 31'44"	20 ^h 52'	23 ^h 19'	7 ^h 0	27 ^h 33'	20 ^h 46'	17 ^h 57'	0 ^h 46	21 ^h 59	18 ^h 51	28 ^h 58	0 ^h 43	28 ^h 58'	16 ^h 50'
S 11	13 18 30	21 ^h 30'28"	5 ^h 11'	24 ^h 30'	8 ^h 14'	28 ^h 19'	20 ^h 51'	18 ^h 4	0 ^h 46	21 ^h 57	18 ^h 52	28 ^h 55	0 ^h 40	29 ^h 5	16 ^h 54'
S 12	13 22 26	22 ^h 29'10"	19 ^h 21'	25 ^h 44'	9 ^h 28'	29 ^h 6	20 ^h 56'	18 ^h 10'	0 ^h 46	21 ^h 55	18 ^h 53	28 ^h 53	0 ^h 37	29 ^h 11'	16 ^h 58'
M 13	13 26 23	23 ^h 27'50"	3 ^h Y 0	27 ^h 0	10 ^h 42'	29 ^h 52'	21 ^h 1	18 ^h 17'	0 ^h 46	21 ^h 54	18 ^h 54	28 ^h D52	0 ^h 34	29 ^h 18'	17 ^h 1
T 14	13 30 19	24 ^h 26'29"	16 ^h 14'	28 ^h 19'	11 ^h 56'	0 ^h Y39	21 ^h 6	18 ^h 23'	0 ^h 47	21 ^h 52	18 ^h 55	28 ^h 53	0 ^h 31	29 ^h 25'	17 ^h 5
W 15	13 34 16	25 ^h 25'06"	29 ^h 3	29 ^h 39'	13 ^h 10'	1 ^h 25'	21 ^h 12'	18 ^h 29'	0 ^h 47	21 ^h 50	18 ^h 56	28 ^h 55	0 ^h 28	29 ^h 32'	17 ^h 9
T 16	13 38 13	26 ^h 23'41"	11 ^h 32'	1 ^h Y 1	14 ^h 24'	2 ^h 12'	21 ^h 17'	18 ^h 36'	0 ^h 47	21 ^h 49	18 ^h 57	28 ^h 56	0 ^h 24	29 ^h 38'	17 ^h 13'
F 1															

SWISS EPHEMERIS for the year 1789

MAY 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
F 1	14 37 21	10♁59'04	19♁47	25♃17	2♁54	13♃44	22♁57	20♁5	1♁0	21°R25	19♁7	28♁34	29♁37	1♁19	18♁18									
S 2	14 41 17	11°57'11	3♁45	27° 9	4° 8	14°30	23° 5	20°11	1° 1	21°23	19° 8	28°35	29°34	1°26	18°22									
S 3	14 45 14	12°55'16	17°53	29° 2	5°21	15°16	23°13	20°16	1° 3	21°22	19° 8	28°R35	29°30	1°33	18°27									
M 4	14 49 10	13°53'19	2♁11	0♁57	6°35	16° 1	23°21	20°21	1° 4	21°20	19° 8	28°34	29°27	1°39	18°32									
T 5	14 53 7	14°51'19	16°34	2°54	7°49	16°47	23°29	20°27	1° 6	21°19	19° 9	28°33	29°24	1°46	18°37									
W 6	14 57 4	15°49'18	1♁0	4°53	9° 3	17°33	23°38	20°32	1° 7	21°17	19° 9	28°32	29°21	1°53	18°41									
T 7	15 1 0	16°47'15	15°23	6°53	10°17	18°18	23°46	20°37	1° 9	21°16	19°10	28°30	29°18	1°59	18°46									
F 8	15 4 57	17°45'11	29°39	8°56	11°31	19° 4	23°55	20°42	1°10	21°14	19°10	28°29	29°14	2° 6	18°51									
S 9	15 8 53	18°43'05	13♁42	10°59	12°44	19°49	24° 3	20°47	1°12	21°13	19°10	28°28	29°11	2°13	18°56									
S 10	15 12 50	19°40'57	27°30	13° 4	13°58	20°35	24°12	20°52	1°13	21°12	19°10	28°D28	29° 8	2°20	19° 1									
M11	15 16 46	20°38'48	10♁58	15°11	15°12	21°20	24°21	20°57	1°15	21°10	19°11	28°28	29° 5	2°26	19° 6									
T 12	15 20 43	21°36'37	24° 6	17°19	16°26	22° 6	24°30	21° 2	1°17	21° 9	19°11	28°29	29° 2	2°33	19°11									
W13	15 24 39	22°34'25	6♁55	19°28	17°40	22°51	24°39	21° 7	1°19	21° 8	19°11	28°29	28°59	2°40	19°16									
T 14	15 28 36	23°32'12	19°25	21°38	18°53	23°36	24°48	21°11	1°21	21° 6	19°11	28°30	28°55	2°47	19°21									
F 15	15 32 33	24°29'58	1♁40	23°49	20° 7	24°22	24°57	21°16	1°22	21° 5	19°11	28°30	28°52	2°53	19°26									
S 16	15 36 29	25°27'43	13°43	26° 0	21°21	25° 7	25° 7	21°21	1°24	21° 4	19°11	28°30	28°49	3° 0	19°31									
S 17	15 40 26	26°25'26	25°39	28°12	22°35	25°52	25°16	21°25	1°26	21° 2	19°12	28°R31	28°46	3° 7	19°37									
M18	15 44 22	27°23'08	7♁33	0♁23	23°49	26°37	25°26	21°29	1°28	21° 1	19°12	28°31	28°43	3°13	19°42									
T 19	15 48 19	28°20'49	19°28	2°34	25° 2	27°22	25°36	21°34	1°30	21° 0	19°12	28°D30	28°40	3°20	19°47									
W20	15 52 15	29°18'29	1♁29	4°45	26°16	28° 7	25°45	21°38	1°33	20°59	19°R12	28°31	28°36	3°27	19°52									
T 21	15 56 12	0♁16'09	13°40	6°55	27°30	28°52	25°55	21°42	1°35	20°57	19°12	28°31	28°33	3°34	19°57									
F 22	16 0 8	1°13'47	26° 5	9° 3	28°44	29°37	26° 5	21°46	1°37	20°56	19°12	28°31	28°30	3°40	20° 3									
S 23	16 4 5	2°11'24	8♁46	11°10	29°57	0♁22	26°15	21°50	1°39	20°55	19°12	28°31	28°27	3°47	20° 8									
S 24	16 8 2	3° 9'00	21°44	13°16	1♁11	1° 6	26°26	21°54	1°41	20°54	19°11	28°31	28°24	3°54	20°13									
M25	16 11 58	4° 6'35	5♁0	15°20	2°25	1°51	26°36	21°58	1°44	20°53	19°11	28°R31	28°20	4° 0	20°19									
T 26	16 15 55	5° 4'09	18°32	17°22	3°39	2°36	26°46	22° 2	1°46	20°52	19°11	28°31	28°17	4° 7	20°24									
W27	16 19 51	6° 1'41	2♁20	19°21	4°52	3°20	26°57	22° 5	1°49	20°51	19°11	28°30	28°14	4°14	20°29									
T 28	16 23 48	6°59'13	16°19	21°19	6° 6	4° 5	27° 7	22° 9	1°51	20°50	19°11	28°30	28°11	4°21	20°35									
F 29	16 27 44	7°56'43	0♁28	23°14	7°20	4°50	27°18	22°12	1°54	20°49	19°11	28°29	28° 8	4°27	20°40									
S 30	16 31 41	8°54'12	14°42	25° 6	8°34	5°34	27°29	22°16	1°56	20°48	19°10	28°28	28° 5	4°34	20°46									
S 31	16 35 37	9♁51'39	28♁57	26♁56	9♁47	6♁18	27♁39	22♁19	1♁59	20♁47	19♁10	28♁27	28♁1	4♁41	20♁51									

Delta T = 16.49 sec.

Greg. Calendar

JUNE 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
M 1	16 39 34	10♁49'06	13♁12	28♁44	11♁1	7♁3	27♁50	22♁22	2♁1	20°R46	19°R10	28°D27	27♁58	4♁48	20♁56									
T 2	16 43 31	11°46'31	27°23	0♁29	12°15	7°47	28° 1	22°25	2° 4	20°45	19°R9	28♁27	27°55	4°54	21° 2									
W 3	16 47 27	12°43'55	11♁29	2°11	13°29	8°31	28°12	22°28	2° 7	20°44	19° 9	28°28	27°52	5° 1	21° 7									
T 4	16 51 24	13°41'17	25°26	3°50	14°42	9°15	28°23	22°31	2° 9	20°43	19° 9	28°29	27°49	5° 8	21°13									
F 5	16 55 20	14°38'39	9♁14	5°27	15°56	9°59	28°34	22°34	2°12	20°42	19° 8	28°30	27°45	5°14	21°18									
S 6	16 59 17	15°36'00	22°51	7° 1	17°10	10°43	28°46	22°37	2°15	20°42	19° 8	28°R31	27°42	5°21	21°24									
S 7	17 3 13	16°33'19	6♁14	8°32	18°23	11°27	28°57	22°40	2°18	20°41	19° 7	28°31	27°39	5°28	21°29									
M 8	17 7 10	17°30'39	19°24	10° 0	19°37	12°11	29° 8	22°42	2°20	20°40	19° 7	28°30	27°36	5°35	21°35									
T 9	17 11 6	18°27'57	2♁18	11°26	20°51	12°55	29°20	22°45	2°23	20°39	19° 6	28°28	27°33	5°41	21°40									
W10	17 15 3	19°25'15	14°58	12°49	22° 5	13°39	29°31	22°47	2°26	20°39	19° 6	28°25	27°30	5°48	21°46									
T 11	17 19 0	20°22'32	27°24	14° 9	23°18	14°23	29°43	22°50	2°29	20°38	19° 5	28°22	27°26	5°55	21°51									
F 12	17 22 56	21°19'48	9♁37	15°25	24°32	15° 6	29°54	22°52	2°32	20°37	19° 5	28°18	27°23	6° 2	21°57									
S 13	17 26 53	22°17'05	21°39	16°39	25°46	15°50	0♁6	22°54	2°35	20°37	19° 4	28°15	27°20	6° 8	22° 2									
S 14	17 30 49	23°14'20	3♁35	17°50	26°59	16°34	0°18	22°56	2°38	20°36	19° 4	28°13	27°17	6°15	22° 8									
M15	17 34 46	24°11'36	15°28	18°58	28°13	17°17	0°30	22°58	2°41	20°36	19° 3	28°11	27°14	6°22	22°14									
T 16	17 38 42	25° 8'51	27°23	20° 3	29°27	18° 1	0°42	23° 0	2°44	20°35	19° 2	28°D11	27°11	6°28	22°19									
W17	17 42 39	26° 6'06	9♁24	21° 4	0♁40	18°44	0°53	23° 1	2°47	20°35	19° 2	28°12	27° 7	6°35	22°25									
T 18	17 46 35	27° 3'21	21°36	22° 3	1°54	19°27	1° 5	23° 3	2°51	20°34	19° 1	28°13	27° 4	6°42	22°30									
F 19	17 50 32	28° 0'36	4♁3	22°57	3° 8	20°11	1°17	23° 5	2°54	20°34	19° 0	28°15	27° 1	6°49	22°36									
S 20	17 54 29	28°57'51	16°49	23°49	4°22	20°54	1°30	23° 6	2°57	20°33	18°59	28												

SWISS EPHEMERIS for the year 1789

JULY 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
W 1	18 37 51	9 ^h 27'16"	22 ^h 15'	28 ^h 50'	17 ^h 53'	28 ^h 45'	3 ^h 04'	23 ^h 15'	3 ^h 03'	20 ^h R31	18 ^h R50	27 ^h M48	26 ^h M23	8 ^h X 9	23 ^h II41	
T 2	18 41 47	10 ^h 24'27"	5 ^h M56	28 ^h R50	19 ^h 6'	29 ^h 27'	3 ^h 58'	23 ^h 16'	3 ^h 37'	20 ^h D31	18 ^h X49	27 ^h 49'	26 ^h 20'	8 ^h 16'	23 ^h 47'	
F 3	18 45 44	11 ^h 21'38"	19 ^h 22'	28 ^h 46'	20 ^h 20'	0 ^h II 9	4 ^h 11'	23 ^h 16'	3 ^h 41'	20 ^h 31	18 ^h 48'	27 ^h 50'	26 ^h 17'	8 ^h 23'	23 ^h 52'	
S 4	18 49 40	12 ^h 18'49"	2 ^h X35	28 ^h 38'	21 ^h 34'	0 ^h 52'	4 ^h 24'	23 ^h R16	3 ^h 44'	20 ^h 31	18 ^h 47'	27 ^h R50	26 ^h 13'	8 ^h 29'	23 ^h 57'	
S 5	18 53 37	13 ^h 16'00"	15 ^h 36'	28 ^h 25'	22 ^h 47'	1 ^h 34'	4 ^h 36'	23 ^h 16'	3 ^h 48'	20 ^h 32	18 ^h 46'	27 ^h 49'	26 ^h 10'	8 ^h 36'	24 ^h 3'	
M 6	18 57 34	14 ^h 13'11"	28 ^h 24'	28 ^h 7'	24 ^h 1'	2 ^h 16'	4 ^h 49'	23 ^h 16'	3 ^h 51'	20 ^h 32	18 ^h 45'	27 ^h 45'	26 ^h 7'	8 ^h 43'	24 ^h 8'	
T 7	19 1 30	15 ^h 10'22"	11 ^h X 2	27 ^h 45'	25 ^h 15'	2 ^h 58'	5 ^h 2'	23 ^h 15'	3 ^h 55'	20 ^h 32	18 ^h 44'	27 ^h 39'	26 ^h 4'	8 ^h 50'	24 ^h 13'	
W 8	19 5 27	16 ^h 7'33"	23 ^h 29'	27 ^h 20'	26 ^h 29'	3 ^h 40'	5 ^h 15'	23 ^h 15'	3 ^h 58'	20 ^h 32	18 ^h 43'	27 ^h 32'	26 ^h 1'	8 ^h 56'	24 ^h 19'	
T 9	19 9 23	17 ^h 4'44"	5 ^h X45	26 ^h 50'	27 ^h 42'	4 ^h 22'	5 ^h 28'	23 ^h 15'	4 ^h 2'	20 ^h 32	18 ^h 42'	27 ^h 23'	25 ^h 57'	9 ^h 3'	24 ^h 24'	
F 10	19 13 20	18 ^h 1'56"	17 ^h 52'	26 ^h 18'	28 ^h 56'	5 ^h 4'	5 ^h 41'	23 ^h 14'	4 ^h 5'	20 ^h 33	18 ^h 41'	27 ^h 14'	25 ^h 54'	9 ^h 10'	24 ^h 29'	
S 11	19 17 16	18 ^h 59'08"	29 ^h 51'	25 ^h 42'	0 ^h II10	5 ^h 46'	5 ^h 53'	23 ^h 13'	4 ^h 9'	20 ^h 33	18 ^h 40'	27 ^h 5'	25 ^h 51'	9 ^h 16'	24 ^h 35'	
S 12	19 21 13	19 ^h 56'21"	11 ^h X45	25 ^h 5'	1 ^h 23'	6 ^h 27'	6 ^h 6'	23 ^h 13'	4 ^h 13'	20 ^h 33	18 ^h 38'	26 ^h 58'	25 ^h 48'	9 ^h 23'	24 ^h 40'	
M13	19 25 9	20 ^h 53'34"	23 ^h 37'	24 ^h 25'	2 ^h 37'	7 ^h 9'	6 ^h 19'	23 ^h 12'	4 ^h 16'	20 ^h 33	18 ^h 37'	26 ^h 52'	25 ^h 45'	9 ^h 30'	24 ^h 45'	
T 14	19 29 6	21 ^h 50'47"	5 ^h X30	23 ^h 45'	3 ^h 51'	7 ^h 51'	6 ^h 32'	23 ^h 11'	4 ^h 20'	20 ^h 34	18 ^h 36'	26 ^h 48'	25 ^h 42'	9 ^h 37'	24 ^h 50'	
W15	19 33 3	22 ^h 48'02"	17 ^h 29'	23 ^h 5'	5 ^h 5'	8 ^h 32'	6 ^h 45'	23 ^h 10'	4 ^h 23'	20 ^h 34	18 ^h 35'	26 ^h 47'	25 ^h 38'	9 ^h 43'	24 ^h 55'	
T 16	19 36 59	23 ^h 45'17"	29 ^h 38'	22 ^h 25'	6 ^h 18'	9 ^h 14'	6 ^h 58'	23 ^h 9'	4 ^h 27'	20 ^h 35	18 ^h 34'	26 ^h D47	25 ^h 35'	9 ^h 50'	25 ^h 0'	
F 17	19 40 56	24 ^h 42'33"	12 ^h X 4	21 ^h 46'	7 ^h 32'	9 ^h 55'	7 ^h 11'	23 ^h 7'	4 ^h 31'	20 ^h 35	18 ^h 33'	26 ^h 48'	25 ^h 32'	9 ^h 57'	25 ^h 5'	
S 18	19 44 52	25 ^h 39'50"	24 ^h 49'	21 ^h 8'	8 ^h 46'	10 ^h 36'	7 ^h 24'	23 ^h 6'	4 ^h 34'	20 ^h 36	18 ^h 31'	26 ^h R48	25 ^h 29'	10 ^h 3'	25 ^h 10'	
S 19	19 48 49	26 ^h 37'07"	8 ^h II 0	20 ^h 34'	9 ^h 59'	11 ^h 18'	7 ^h 38'	23 ^h 5'	4 ^h 38'	20 ^h 36	18 ^h 30'	26 ^h 48'	25 ^h 26'	10 ^h 10'	25 ^h 15'	
M20	19 52 45	27 ^h 34'26"	21 ^h 37'	20 ^h 2'	11 ^h 13'	11 ^h 59'	7 ^h 51'	23 ^h 3'	4 ^h 42'	20 ^h 37	18 ^h 29'	26 ^h 45'	25 ^h 23'	10 ^h 17'	25 ^h 20'	
T 21	19 56 42	28 ^h 31'45"	5 ^h X42	19 ^h 34'	12 ^h 27'	12 ^h 40'	8 ^h 4'	23 ^h 2'	4 ^h 45'	20 ^h 37	18 ^h 28'	26 ^h 40'	25 ^h 19'	10 ^h 24'	25 ^h 25'	
W22	20 0 38	29 ^h 29'05"	20 ^h 12'	19 ^h 11'	13 ^h 41'	13 ^h 21'	8 ^h 17'	23 ^h 0'	4 ^h 49'	20 ^h 38	18 ^h 27'	26 ^h 33'	25 ^h 16'	10 ^h 30'	25 ^h 30'	
T 23	20 4 35	0 ^h II26'26"	5 ^h II 1	18 ^h 52'	14 ^h 54'	14 ^h 2'	8 ^h 30'	22 ^h 58'	4 ^h 53'	20 ^h 39	18 ^h 25'	26 ^h 25'	25 ^h 13'	10 ^h 37'	25 ^h 35'	
F 24	20 8 32	1 ^h 23'47"	20 ^h 0'	18 ^h 39'	16 ^h 8'	14 ^h 43'	8 ^h 43'	22 ^h 56'	4 ^h 57'	20 ^h 39	18 ^h 24'	26 ^h 15'	25 ^h 10'	10 ^h 44'	25 ^h 40'	
S 25	20 12 28	2 ^h 21'09"	5 ^h III 2	18 ^h 31'	17 ^h 22'	15 ^h 23'	8 ^h 56'	22 ^h 54'	5 ^h 0'	20 ^h 40	18 ^h 23'	26 ^h 6'	25 ^h 7'	10 ^h 51'	25 ^h 45'	
S 26	20 16 25	3 ^h 18'32"	19 ^h 55'	18 ^h D28	18 ^h 36'	16 ^h 4'	9 ^h 10'	22 ^h 52'	5 ^h 4'	20 ^h 41	18 ^h 21'	25 ^h 58'	25 ^h 3'	10 ^h 57'	25 ^h 50'	
M27	20 20 21	4 ^h 15'55"	4 ^h X33	18 ^h 32'	19 ^h 49'	16 ^h 45'	9 ^h 23'	22 ^h 50'	5 ^h 8'	20 ^h 42	18 ^h 20'	25 ^h 53'	25 ^h 0'	11 ^h 4'	25 ^h 54'	
T 28	20 24 18	5 ^h 13'18"	18 ^h 50'	18 ^h 42'	21 ^h 3'	17 ^h 25'	9 ^h 36'	22 ^h 48'	5 ^h 11'	20 ^h 43	18 ^h 19'	25 ^h 50'	24 ^h 57'	11 ^h 11'	25 ^h 59'	
W29	20 28 14	6 ^h 10'42"	2 ^h III46	18 ^h 58'	22 ^h 17'	18 ^h 6'	9 ^h 49'	22 ^h 45'	5 ^h 15'	20 ^h 43	18 ^h 18'	25 ^h D49	24 ^h 54'	11 ^h 17'	26 ^h 4'	
T 30	20 32 11	7 ^h 8'07"	16 ^h 21'	19 ^h 21'	23 ^h 30'	18 ^h 46'	10 ^h 2'	22 ^h 43'	5 ^h 19'	20 ^h 44	18 ^h 16'	25 ^h 49'	24 ^h 51'	11 ^h 24'	26 ^h 8'	
F 31	20 36 7	8 ^h II 5'33"	29 ^h III36	19 ^h 50'	24 ^h II44	19 ^h II27	10 ^h II15	22 ^h X40	5 ^h II22	20 ^h 45	18 ^h X15	25 ^h R49	24 ^h III48	11 ^h X31	26 ^h II13	

Delta T = 16.49 sec.

Greg. Calendar

AUGUST 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
S 1	20 40 4	9 ^h II 2'59"	12 ^h X34	20 ^h X26	25 ^h II58	20 ^h II 7	10 ^h II29	22 ^h R38	5 ^h II26	20 ^h 46	18 ^h R14	25 ^h R48	24 ^h III44	11 ^h X38	26 ^h II17	
S 2	20 44 1	10 ^h 0'26"	25 ^h 17'	21 ^h 8'	27 ^h 11'	20 ^h 47'	10 ^h 42'	22 ^h X35	5 ^h 30'	20 ^h 47	18 ^h X12	25 ^h M45	24 ^h 41'	11 ^h 44'	26 ^h 22'	
M 3	20 47 57	10 ^h 57'54"	7 ^h X49	21 ^h 56'	28 ^h 25'	21 ^h 27'	10 ^h 55'	22 ^h 32'	5 ^h 34'	20 ^h 48	18 ^h 11'	25 ^h 39'	24 ^h 38'	11 ^h 51'	26 ^h 26'	
T 4	20 51 54	11 ^h 55'22"	20 ^h 11'	22 ^h 50'	29 ^h 39'	22 ^h 7'	11 ^h 8'	22 ^h 29'	5 ^h 37'	20 ^h 49	18 ^h 10'	25 ^h 30'	24 ^h 35'	11 ^h 58'	26 ^h 31'	
W 5	20 55 50	12 ^h 52'52"	2 ^h X24	23 ^h 50'	0 ^h III52	22 ^h 47'	11 ^h 22'	22 ^h 26'	5 ^h 41'	20 ^h 50	18 ^h 8'	25 ^h 19'	24 ^h 32'	12 ^h 4'	26 ^h 35'	
T 6	20 59 47	13 ^h 50'22"	14 ^h 30'	24 ^h 57'	2 ^h 6'	23 ^h 27'	11 ^h 35'	22 ^h 23'	5 ^h 45'	20 ^h 51	18 ^h 7'	25 ^h 6'	24 ^h 29'	12 ^h 11'	26 ^h 40'	
F 7	21 3 43	14 ^h 47'54"	26 ^h 30'	26 ^h 9'	3 ^h 20'	24 ^h 7'	11 ^h 48'	22 ^h 20'	5 ^h 48'	20 ^h 52	18 ^h 6'	24 ^h 53'	24 ^h 25'	12 ^h 18'	26 ^h 44'	
S 8	21 7 40	15 ^h 45'27"	8 ^h X26	27 ^h 27'	4 ^h 33'	24 ^h 46'	12 ^h 1'	22 ^h 17'	5 ^h 52'	20 ^h 54	18 ^h 4'	24 ^h 40'	24 ^h 22'	12 ^h 25'	26 ^h 48'	
S 9	21 11 36	16 ^h 43'01"	20 ^h 17'	28 ^h 49'	5 ^h 47'	25 ^h 26'	12 ^h 14'	22 ^h 14'	5 ^h 56'	20 ^h 55	18 ^h 3'	24 ^h 28'	24 ^h 19'	12 ^h 31'	26 ^h 52'	
M10	21 15 33	17 ^h 40'36"	2 ^h X 8	0 ^h II17	7 ^h 1'	26 ^h 5'	12 ^h 27'	22 ^h 10'	5 ^h 59'	20 ^h 56	18 ^h 2'	24 ^h 19'	24 ^h 16'	12 ^h 38'	26 ^h 56'	
T 11	21 19 30	18 ^h 38'13"	14 ^h 0'	1 ^h 50'	8 ^h 14'	26 ^h 45'	12 ^h 41'	22 ^h 7'	6 ^h 3'	20 ^h 57	18 ^h 0'	24 ^h 12'	24 ^h 13'	12 ^h 45'	27 ^h 0'	
W12	21 23 26	19 ^h 35'51"	25 ^h 58'	3 ^h 27'	9 ^h 28'	27 ^h 24'	12 ^h 54'	22 ^h 4'	6 ^h 7'	20 ^h 58	17 ^h 59'	24 ^h 9'	24 ^h 9'	12 ^h 51'	27 ^h 4'	
T 13	21 27 23	20 ^h 33'31"	8 ^h X 6	5 ^h 8'	10 ^h 41'	28 ^h 4'	13 ^h 7'	22 ^h 0'	6 ^h 10'	21 ^h 0	17 ^h 58'	24 ^h 7'	24 ^h 6'	12 ^h 58'	27 ^h 8'	
F 14	21 31 19	21 ^h 31'12"	20 ^h 28'	6 ^h 53'	11 ^h 55'	28 ^h 43'	13 ^h 20'	21 ^h 56'	6 ^h 14'	21 ^h 1	17 ^h 56'	24 ^h 7'	24 ^h 3'	13 ^h 5'	27 ^h 12'	
S 15	21 35 16	22 ^h 28'55"	3 ^h III10	8 ^h 41'	13 ^h 9'	29 ^h 22'	13 ^h 33'	21 ^h 53'	6 ^h 17'	21 ^h 2	17 ^h 55'	24 ^h 7'	24 ^h 0'	13 ^h 12'	27 ^h 16'	
S 16	21 39 12	23 ^h 26'40"	16 ^h 17'	10 ^h 32'	14 ^h 22'	0 ^h X 1	13 ^h 46'	21 ^h 49'	6 ^h 21'	21 ^h 4	17 ^h 54'	24 ^h 6'	23 ^h 57'	13<		

SWISS EPHEMERIS for the year 1789

SEPTEMBER 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	22 42 17	8♎54'00	29♁27	11♎45	3♁58	10♁13	17♂13	20°R42	7♂16	21♁29	17°R33	22°R38	23♎6	15♁6	28♎13								
W 2	22 46 14	9°52'10	11♁31	13°37	5°12	10°51	17°26	20♁38	7°19	21°31	17♁32	22♎28	23°3	15°12	28°16								
T 3	22 50 10	10°50'21	23°29	15°28	6°25	11°28	17°38	20°33	7°23	21°32	17°31	22°15	23°0	15°19	28°19								
F 4	22 54 7	11°48'34	5♁24	17°18	7°38	12°5	17°51	20°29	7°26	21°34	17°30	22°2	22°56	15°26	28°21								
S 5	22 58 3	12°46'49	17°16	19°7	8°52	12°42	18°4	20°24	7°29	21°36	17°28	21°50	22°53	15°33	28°24								
S 6	23 2 0	13°45'05	29°8	20°55	10°5	13°19	18°16	20°20	7°32	21°38	17°27	21°38	22°50	15°39	28°26								
M 7	23 5 56	14°43'23	11°Y 0	22°41	11°18	13°56	18°29	20°15	7°35	21°40	17°26	21°29	22°47	15°46	28°29								
T 8	23 9 53	15°41'43	22°55	24°27	12°32	14°33	18°41	20°11	7°39	21°42	17°25	21°23	22°44	15°53	28°31								
W 9	23 13 50	16°40'06	4♁57	26°11	13°45	15°10	18°53	20°6	7°42	21°44	17°24	21°19	22°40	15°59	28°34								
T 10	23 17 46	17°38'30	17°7	27°54	14°58	15°47	19°6	20°1	7°45	21°45	17°23	21°D18	22°37	16°6	28°36								
F 11	23 21 43	18°36'56	29°30	29°36	16°11	16°23	19°18	19°57	7°48	21°47	17°22	21°18	22°34	16°13	28°38								
S 12	23 25 39	19°35'25	12♎11	1♁17	17°25	17°0	19°30	19°52	7°51	21°49	17°20	21°19	22°31	16°20	28°40								
S 13	23 29 36	20°33'56	25°13	2°57	18°38	17°36	19°42	19°47	7°54	21°51	17°19	21°R19	22°28	16°26	28°42								
M14	23 33 32	21°32'29	8♁41	4°36	19°51	18°12	19°55	19°43	7°57	21°53	17°18	21°18	22°25	16°33	28°44								
T 15	23 37 29	22°31'04	22°37	6°14	21°4	18°48	20°7	19°38	8°0	21°55	17°17	21°14	22°21	16°40	28°46								
W16	23 41 25	23°29'42	7♂1	7°50	22°18	19°24	20°19	19°33	8°2	21°57	17°16	21°9	22°18	16°46	28°48								
T 17	23 45 22	24°28'21	21°51	9°26	23°31	20°0	20°31	19°29	8°5	21°59	17°15	21°1	22°15	16°53	28°49								
F 18	23 49 19	25°27'03	6♎59	11°1	24°44	20°36	20°43	19°24	8°8	22°1	17°14	20°53	22°12	17°0	28°51								
S 19	23 53 15	26°25'47	22°16	12°35	25°57	21°12	20°55	19°20	8°11	22°3	17°13	20°44	22°9	17°6	28°52								
S 20	23 57 12	27°24'32	7♁31	14°8	27°10	21°47	21°6	19°15	8°14	22°6	17°12	20°37	22°6	17°13	28°54								
M21	0 1 8	28°23'20	22°33	15°40	28°23	22°23	21°18	19°11	8°16	22°8	17°11	20°32	22°2	17°20	28°55								
T 22	0 5 5	29°22'10	7♎14	17°11	29°36	22°58	21°30	19°6	8°19	22°10	17°10	20°29	21°59	17°27	28°57								
W23	0 9 1	0♁21'01	21°29	18°41	0♎49	23°33	21°41	19°1	8°22	22°12	17°9	20°D29	21°56	17°33	28°58								
T 24	0 12 58	1°19'54	5♁16	20°10	2°2	24°8	21°53	18°57	8°24	22°14	17°9	20°29	21°53	17°40	28°59								
F 25	0 16 54	2°18'49	18°35	21°38	3°15	24°43	22°4	18°53	8°27	22°16	17°8	20°30	21°50	17°47	29°0								
S 26	0 20 51	3°17'46	1♁31	23°5	4°28	25°18	22°16	18°48	8°29	22°18	17°7	20°R31	21°46	17°53	29°1								
S 27	0 24 48	4°16'44	14°5	24°31	5°41	25°52	22°27	18°44	8°32	22°20	17°6	20°31	21°43	18°0	29°2								
M28	0 28 44	5°15'45	26°24	25°56	6°54	26°27	22°38	18°39	8°34	22°22	17°5	20°28	21°40	18°7	29°3								
T 29	0 32 41	6°14'46	8♁30	27°20	8°7	27°1	22°50	18°35	8°36	22°25	17°4	20°24	21°37	18°14	29°4								
W30	0 36 37	7♁13'50	20♁29	28♁43	9♎20	27♁36	23♂1	18♁31	8♂39	22♁27	17♁4	20♎18	21♎34	18♁20	29♎4								

Delta T = 16.49 sec.

Greg. Calendar

OCTOBER 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	0 40 34	8♁12'56	2♁23	0♎5	10♎33	28♁10	23♂12	18°R27	8♂41	22♁29	17°R3	20°R11	21♎31	18♁27	29♎5								
F 2	0 44 30	9°12'03	14°14	1°26	11°46	28°44	23°23	18♁22	8°43	22°31	17♁2	20♎3	21°27	18°34	29°5								
S 3	0 48 27	10°11'12	26°6	2°46	12°59	29°17	23°34	18°18	8°46	22°33	17°2	19°55	21°24	18°40	29°6								
S 4	0 52 23	11°10'24	8°Y 1	4°4	14°12	29°51	23°44	18°14	8°48	22°36	17°1	19°48	21°21	18°47	29°6								
M 5	0 56 20	12°9'37	19°59	5°21	15°24	0♂25	23°55	18°10	8°50	22°38	17°0	19°43	21°18	18°54	29°6								
T 6	1 0 16	13°8'53	2♁2	6°37	16°37	0°58	24°6	18°6	8°52	22°40	17°0	19°39	21°15	19°1	29°6								
W 7	1 4 13	14°8'10	14°13	7°51	17°50	1°31	24°16	18°2	8°54	22°42	16°59	19°D38	21°11	19°7	29°7								
T 8	1 8 10	15°7'30	26°33	9°4	19°3	2°4	24°27	17°58	8°56	22°44	16°58	19°38	21°8	19°14	29°R 7								
F 9	1 12 6	16°6'52	9♎5	10°15	20°15	2°37	24°37	17°55	8°58	22°47	16°58	19°39	21°5	19°21	29°6								
S 10	1 16 3	17°6'17	21°52	11°25	21°28	3°10	24°47	17°51	9°0	22°49	16°57	19°41	21°2	19°27	29°6								
S 11	1 19 59	18°5'43	4♁56	12°32	22°40	3°43	24°58	17°47	9°2	22°51	16°57	19°42	20°59	19°34	29°6								
M12	1 23 56	19°5'13	18°21	13°37	23°53	4°15	25°8	17°44	9°3	22°53	16°56	19°R43	20°56	19°41	29°6								
T 13	1 27 52	20°4'44	2♂9	14°40	25°6	4°48	25°18	17°40	9°5	22°56	16°56	19°42	20°52	19°47	29°5								
W14	1 31 49	21°4'18	16°19	15°41	26°18	5°20	25°28	17°36	9°7	22°58	16°55	19°41	20°49	19°54	29°5								
T 15	1 35 45	22°3'54	0♎51	16°39	27°31	5°52	25°37	17°33	9°9	23°0	16°55	19°38	20°46	20°1	29°4								
F 16	1 39 42	23°3'32	15°40	17°33	28°43	6°24	25°47	17°30	9°10	23°2	16°55	19°34	20°43	20°8	29°4								
S 17	1 43 39	24°3'12	0♁40	18°24	29°56	6°55	25°57	17°26	9°12	23°5	16°54	19°30	20°40	20°14	29°3								
S 18	1 47 35	25°2'55	15°42	19°12	1♁7	7°27	26°6	17°23	9°13	23°7	16°54	19°27	20°37	20°21	29°2								
M19	1 51 32	26°2'39	0♎37	19°56	2°21	7°58	26°16	17°20	9°15	23°9	16°54	19°25	20°33	20°28	29°1								
T 20	1 55 28	27°2'26	15°17	20°35	3°33	8°29	26°25	17°17	9°16	23°11	16°53	19°D24	20°30	20°34	29°0								
W21	1 59 25	28°2'15	29°36	21°8	4°45	9°0	26°34	17°14	9°17	23°13	16°53	19°24	20°27	20°41	28°59								
T 22	2 3 21	29°2'05	13♁29	21°37	5°58	9°31	26°43	17°11	9°19	23°16	16°53	19°25	20°24	20°48	28°58								
F 23	2 7 18	0♎1	26°56	21°59	7°10	10°1	26°52	17°9	9°20	23°18	16°53	19°27	20°21	20°55	28°57								
S 24	2 11 14	1°1'51	9♁57	22°15	8°22	10°31	27°1	17°6	9°21	23°20	16°52	19°28	20°17	21°1	28°56								
S 25	2 15 11	2°1'47	22°37	22°23	9°34	11°2	27°10	17°3	9°22	23°22	16°52	19°29	20°14	21°8	28°54								
M26	2 19 8	3°1'44	4♁57	22°R24	10°46	11°31	27°18	17°1	9°23	23°25	16°52	19°R29	20°11	21°15	28°53								
T 27	2 23 4	4°1'43	17°4	22°16	11°59	12°1	27°27	16°58	9°25	23°27	16°52	19°29	20°8	21°21	28°51								
W28	2 27 1	5°1'43	29°2	21°59	13°11	12°31	27°35	16°56	9°26	23°29	16°52	19°28	20°5	21°28	28°50								
T 29	2 30 57	6°1'45	10♁54	21°33	14°23	13°0	27°43	16°54	9°26	23°31	16°52	19°26	20°2	21°35	28°48								
F 30	2 34 54	7°1'49	22°45	20°57	15°35	13°29	27°51	16°52	9°27	23°33	16°D52	19°24	19°58	21°41	28°46								
S 31	2 38 50	8♎1'54	4°Y 39	20♎12	16♁47	13♂58	27♂59	16♁50	9♂28	23♁36	16♁52	19♎22	19♎55	21♁48	28♎44								

Delta T = 16.49 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]

SWISS EPHEMERIS for the year 1789

NOVEMBER 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
S 1	2 42 47	9♐ 2'01	16♏37	19°R17	17♏59	14♏26	28♏ 7	16°R48	9♏29	23♏38	16♏52	19°R21	19♐52	21♏55	28°R42	
M 2	2 46 43	10° 2'10	28°43	18♐15	19°10	14°55	28°15	16♏46	9°30	23°40	16°52	19♐19	19°49	22° 2	28♐40	
T 3	2 50 40	11° 2'20	10♏59	17° 5	20°22	15°23	28°22	16°44	9°30	23°42	16°52	19°19	19°46	22° 8	28°38	
W 4	2 54 37	12° 2'33	23°25	15°50	21°34	15°51	28°30	16°42	9°31	23°44	16°52	19°D19	19°43	22°15	28°36	
T 5	2 58 33	13° 2'47	6♐ 3	14°31	22°46	16°18	28°37	16°41	9°31	23°46	16°52	19°19	19°39	22°22	28°34	
F 6	3 2 30	14° 3'03	18°53	13°11	23°57	16°46	28°44	16°39	9°32	23°49	16°52	19°20	19°36	22°28	28°32	
S 7	3 6 26	15° 3'21	1♏57	11°53	25° 9	17°13	28°51	16°38	9°32	23°51	16°53	19°20	19°33	22°35	28°29	
S 8	3 10 23	16° 3'41	15°14	10°40	26°20	17°40	28°58	16°37	9°33	23°53	16°53	19°20	19°30	22°42	28°27	
M 9	3 14 19	17° 4'03	28°46	9°32	27°32	18° 6	29° 5	16°36	9°33	23°55	16°53	19°21	19°27	22°48	28°24	
T 10	3 18 16	18° 4'27	12♏33	8°33	28°43	18°33	29°11	16°35	9°33	23°57	16°53	19°21	19°23	22°55	28°22	
W 11	3 22 12	19° 4'52	26°35	7°45	29°55	18°59	29°18	16°34	9°34	23°59	16°54	19°21	19°20	23° 2	28°19	
T 12	3 26 9	20° 5'20	10♐50	7° 7	1♁ 6	19°24	29°24	16°33	9°34	24° 1	16°54	19°21	19°17	23° 9	28°17	
F 13	3 30 6	21° 5'50	25°16	6°41	2°17	19°50	29°30	16°32	9°34	24° 3	16°54	19°21	19°14	23°15	28°14	
S 14	3 34 2	22° 6'21	9♏49	6°26	3°28	20°15	29°36	16°31	9°R34	24° 5	16°55	19°21	19°11	23°22	28°11	
S 15	3 37 59	23° 6'54	24°25	6°D23	4°39	20°40	29°42	16°31	9°34	24° 7	16°55	19°22	19° 8	23°29	28° 8	
M 16	3 41 55	24° 7'29	8♐58	6°31	5°50	21° 5	29°48	16°31	9°34	24° 9	16°56	19°22	19° 4	23°35	28° 5	
T 17	3 45 52	25° 8'06	23°21	6°49	7° 1	21°29	29°53	16°30	9°34	24°11	16°56	19°R22	19° 1	23°42	28° 2	
W 18	3 49 48	26° 8'44	7♏29	7°17	8°12	21°53	29°58	16°30	9°34	24°13	16°57	19°22	18°58	23°49	27°59	
T 19	3 53 45	27° 9'23	21°18	7°53	9°23	22°16	0♐ 4	16°D30	9°33	24°15	16°57	19°21	18°55	23°55	27°56	
F 20	3 57 41	28°10'04	4♁45	8°36	10°34	22°40	0° 9	16°30	9°33	24°17	16°58	19°20	18°52	24° 2	27°53	
S 21	4 1 38	29°10'46	17°50	9°27	11°45	23° 3	0°13	16°30	9°33	24°19	16°58	19°19	18°49	24° 9	27°50	
S 22	4 5 35	0♐11'29	0♐34	10°23	12°55	23°25	0°18	16°30	9°32	24°21	16°59	19°17	18°45	24°16	27°47	
M 23	4 9 31	1°12'13	12°58	11°24	14° 6	23°47	0°23	16°31	9°32	24°23	16°59	19°16	18°42	24°22	27°43	
T 24	4 13 28	2°12'58	25° 7	12°30	15°16	24° 9	0°27	16°31	9°31	24°25	17° 0	19°15	18°39	24°29	27°40	
W 25	4 17 24	3°13'45	7♏ 6	13°39	16°26	24°31	0°31	16°32	9°31	24°27	17° 1	19°D15	18°36	24°36	27°37	
T 26	4 21 21	4°14'32	18°58	14°52	17°37	24°52	0°35	16°32	9°30	24°28	17° 1	19°16	18°33	24°42	27°33	
F 27	4 25 17	5°15'20	0♐49	16° 8	18°47	25°12	0°39	16°33	9°30	24°30	17° 2	19°17	18°29	24°49	27°30	
S 28	4 29 14	6°16'09	12°43	17°26	19°57	25°33	0°42	16°34	9°29	24°32	17° 3	19°18	18°26	24°56	27°26	
S 29	4 33 10	7°16'59	24°45	18°46	21° 6	25°53	0°46	16°35	9°28	24°34	17° 4	19°20	18°23	25° 2	27°23	
M 30	4 37 7	8♏17'50	6♏58	20♐ 8	22♁16	26♏12	0♐49	16♏36	9♏27	24♏36	17♏ 4	19♐21	18♐20	25♏ 9	27♐19	

Delta T = 16.50 sec.

Greg. Calendar

DECEMBER 1789

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
T 1	4 41 4	9♏18'42	19♏25	21♐32	23♁26	26♏31	0♐52	16♏37	9°R26	24♏37	17♏ 5	19°R22	18♐17	25♏16	27°R16	
W 2	4 45 0	10°19'35	2♐ 8	22°57	24°35	26°50	0°55	16°38	9♏26	24°39	17° 6	19♐21	18°14	25°22	27♐12	
T 3	4 48 57	11°20'29	15° 6	24°23	25°45	27° 8	0°58	16°40	9°25	24°41	17° 7	19°19	18°10	25°29	27° 8	
F 4	4 52 53	12°21'25	28°21	25°50	26°54	27°26	1° 0	16°41	9°24	24°42	17° 8	19°17	18° 7	25°36	27° 5	
S 5	4 56 50	13°22'21	11♏51	27°17	28° 3	27°43	1° 3	16°43	9°22	24°44	17° 9	19°13	18° 4	25°43	27° 1	
S 6	5 0 46	14°23'18	25°33	28°46	29°12	28° 0	1° 5	16°45	9°21	24°46	17°10	19° 9	18° 1	25°49	26°57	
M 7	5 4 43	15°24'16	9♏25	0♐15	0♐21	28°16	1° 7	16°46	9°20	24°47	17°11	19° 6	17°58	25°56	26°53	
T 8	5 8 39	16°25'16	23°25	1°45	1°30	28°32	1° 9	16°48	9°19	24°49	17°12	19° 3	17°55	26° 3	26°49	
W 9	5 12 36	17°26'16	7♐30	3°15	2°38	28°48	1°10	16°50	9°18	24°50	17°13	19° 1	17°51	26° 9	26°46	
T 10	5 16 33	18°27'18	21°39	4°45	3°46	29° 3	1°12	16°53	9°16	24°52	17°14	19°D 1	17°48	26°16	26°42	
F 11	5 20 29	19°28'20	5♏49	6°16	4°55	29°17	1°13	16°55	9°15	24°53	17°15	19° 1	17°45	26°23	26°38	
S 12	5 24 26	20°29'24	19°59	7°47	6° 3	29°31	1°14	16°57	9°14	24°55	17°16	19° 3	17°42	26°29	26°34	
S 13	5 28 22	21°30'29	4♐ 6	9°18	7°11	29°44	1°15	17° 0	9°12	24°56	17°17	19° 4	17°39	26°36	26°30	
M 14	5 32 19	22°31'34	18°10	10°50	8°18	29°57	1°15	17° 2	9°11	24°58	17°18	19°R 5	17°35	26°43	26°26	
T 15	5 36 15	23°32'41	2♏ 5	12°21	9°26	0♐ 9	1°16	17° 5	9° 9	24°59	17°19	19° 4	17°32	26°50	26°22	
W 16	5 40 12	24°33'48	15°51	13°53	10°33	0°20	1°16	17° 7	9° 7	25° 0	17°21	19° 2	17°29	26°56	26°18	
T 17	5 44 8	25°34'56	29°23	15°26	11°40	0°31	1°R16	17°10	9° 6	25° 2	17°22	18°57	17°26	27° 3	26°14	
F 18	5 48 5	26°36'04	12♁40	16°58	12°47	0°42	1°16	17°13	9° 4	25° 3	17°23	18°51	17°23	27°10	26°11	
S 19	5 52 2	27°37'13	25°39	18°31	13°54	0°52	1°15	17°16	9° 2	25° 4	17°24	18°44	17°20	27°16	26° 7	
S 20	5 55 58	28°38'22	8♐20	20° 4	15° 0	1° 1	1°15	17°19	9° 1	25° 6	17°25	18°37	17°16	27°23	26° 3	
M 21	5 59 55	29°39'31	20°45	21°37	16° 7	1° 9	1°14	17°23	8°59	25° 7	17°27	18°30	17°13	27°30	25°59	
T 22	6 3 51	0♁40'40	2♏55	23°10	17°13	1°17	1°13	17°26	8°57	25° 8	17°28	18°25	17°10	27°36	25°55	
W 23	6 7 48	1°41'50	14°54	24°43	18°19	1°24	1°12	17°29	8°55	25° 9	17°29	18°21	17° 7	27°43	25°51	
T 24	6 11 44	2°42'59	26°46	26°17	19°24	1°31	1°11	17°33	8°53	25°10	17°31	18°19	17° 4	27°50	25°47	
F 25	6 15 41	3°44'08	8♐36	27°51	20°29	1°37	1° 9	17°36	8°51	25°11	17°32	18°D19	17° 0	27°56	25°43	
S 26	6 19 37	4°45'17	20°29	29°26	21°34	1°42	1° 7	17°40	8°49	25°12	17°33	18°20	16°57	28° 3	25°39	
S 27	6 23 34	5°46'27	2♁30	1♁ 0	22°39	1°46	1° 5	17°44	8°47	25°13	17°35	18°22	16°54	28°10	25°35	
M 28	6 27 31	6°47'36	14°46	2°35	23°44	1°50	1° 3	17°48	8°45	25°14	17°36	18°R23	16°51	28°16	25°32	
T 29	6 31 27	7°48'45	27°18	4°10	24°48	1°53	1° 1	17°52	8°43	25°15	17°38	18°22	16°48	28°23	25°28	
W 30	6 35 24	8°49'54	10♐12	5°46	25°51	1°55	0°59	17°56	8°41	25°16	17°39	18°20	16°45	28°30	25°24	
T 31	6 39 20	9♁51'02	23♐27	7♁22	26♏55	1♐57	0♐56	18♏ 0	8♏39	25♏17	17♏40	18♐15	16♐41	28♏37	25♐20	

Delta T = 16.50 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]