

SWISS EPHEMERIS for the year 837

MARCH 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	10 51 6	14 4 44'23	9 3 38	17 3 55	0 8 43	12 3 48	5 7 35	20 2 R46	23 1 12	28 2 51	21 1 34	26 2 R36	25 3 30	17 2 26	13 1 45		
F 2	10 55 2	15°43'49	23°11	19° 9	1°42	13°31	5°49	20 1 M45	23°16	28°52	21°35	26 3 32	25°27	17°33	13°49		
S 3	10 58 59	16°43'14	6 2 56	20°26	2°41	14°15	6° 3	20°44	23°19	28°52	21°37	26°30	25°24	17°40	13°52		
S 4	11 2 56	17°42'36	20°52	21°45	3°39	14°58	6°17	20°44	23°23	28°53	21°38	26°D29	25°21	17°46	13°56		
M 5	11 6 52	18°41'57	4 3 59	23° 5	4°36	15°41	6°31	20°43	23°26	28°54	21°39	26°30	25°18	17°53	13°59		
T 6	11 10 49	19°41'16	19°17	24°28	5°33	16°25	6°45	20°42	23°29	28°55	21°41	26°R31	25°14	18° 0	14° 3		
W 7	11 14 45	20°40'33	3 3 43	25°51	6°30	17° 8	6°59	20°41	23°33	28°55	21°42	26°31	25°11	18° 6	14° 7		
T 8	11 18 42	21°39'48	18°13	27°17	7°26	17°52	7°14	20°40	23°36	28°56	21°44	26°29	25° 8	18°13	14°10		
F 9	11 22 38	22°39'01	2 1 44	28°44	8°21	18°35	7°28	20°38	23°40	28°57	21°45	26°25	25° 5	18°20	14°14		
S 10	11 26 35	23°38'12	17° 9	0 1 13	9°16	19°19	7°42	20°37	23°43	28°57	21°47	26°18	25° 2	18°26	14°18		
S 11	11 30 31	24°37'21	1 7 22	1°43	10°10	20° 2	7°56	20°36	23°47	28°58	21°48	26° 9	24°58	18°33	14°21		
M12	11 34 28	25°36'28	15°18	3°15	11° 4	20°46	8°10	20°34	23°50	28°58	21°50	25°59	24°55	18°39	14°25		
T 13	11 38 25	26°35'33	28°52	4°48	11°57	21°29	8°25	20°32	23°53	28°59	21°51	25°49	24°52	18°46	14°28		
W14	11 42 21	27°34'35	12 8 2	6°22	12°49	22°13	8°39	20°31	23°57	28°59	21°53	25°40	24°49	18°53	14°32		
T 15	11 46 18	28°33'35	24°50	7°59	13°41	22°56	8°53	20°29	24° 0	29° 0	21°54	25°33	24°46	18°59	14°36		
F 16	11 50 14	29°32'33	7 11 16	9°36	14°32	23°39	9° 8	20°27	24° 4	29° 0	21°56	25°28	24°43	19° 6	14°39		
S 17	11 54 11	0 7 31'29	19°25	11°16	15°22	24°23	9°22	20°25	24° 7	29° 0	21°57	25°26	24°39	19°13	14°43		
S 18	11 58 7	1°30'22	1 2 22	12°56	16°12	25° 6	9°36	20°23	24°11	29° 1	21°59	25°D25	24°36	19°19	14°46		
M19	12 2 4	2°29'13	13°11	14°39	17° 0	25°50	9°51	20°21	24°14	29° 1	22° 0	25°25	24°33	19°26	14°50		
T 20	12 6 0	3°28'02	24°59	16°22	17°48	26°33	10° 5	20°18	24°17	29° 1	22° 2	25°R26	24°30	19°33	14°53		
W21	12 9 57	4°26'48	6 5 51	18° 8	18°35	27°17	10°19	20°16	24°21	29° 2	22° 3	25°25	24°27	19°39	14°57		
T 22	12 13 54	5°25'32	18°50	19°54	19°21	28° 0	10°34	20°14	24°24	29° 2	22° 4	25°23	24°23	19°46	15° 0		
F 23	12 17 50	6°24'14	1 1 2 2	21°43	20° 6	28°44	10°48	20°11	24°28	29° 2	22° 6	25°18	24°20	19°53	15° 4		
S 24	12 21 47	7°22'54	13°30	23°32	20°50	29°27	11° 3	20° 8	24°31	29° 2	22° 7	25°10	24°17	19°59	15° 7		
S 25	12 25 43	8°21'31	26°15	25°24	21°33	0 1 11	11°17	20° 6	24°34	29° 2	22° 9	25° 0	24°14	20° 6	15°10		
M26	12 29 40	9°20'07	9 1 17	27°17	22°15	0°54	11°31	20° 3	24°38	29° 2	22°10	24°48	24°11	20°12	15°14		
T 27	12 33 36	10°18'40	22°35	29°11	22°56	1°38	11°46	20° 0	24°41	29°R 2	22°12	24°36	24° 8	20°19	15°17		
W28	12 37 33	11°17'12	6 11 8	1°7	23°36	2°21	12° 0	19°57	24°44	29° 2	22°13	24°25	24° 4	20°26	15°21		
T 29	12 41 29	12°15'41	19°52	3° 5	24°15	3° 5	12°15	19°54	24°48	29° 2	22°14	24°15	24° 1	20°32	15°24		
F 30	12 45 26	13°14'09	3 1 45	5° 4	24°52	3°48	12°29	19°51	24°51	29° 2	22°16	24° 7	23°58	20°39	15°27		
S 31	12 49 22	14 7 12'36	17 1 44	7°5	25 8 29	4 3 32	12°43	19 11 48	24 1 54	29 1 2	22 1 17	24 3 3	23 3 55	20 4 46	15 1 31		

Delta T = 44m32s Julian Calendar 1 March 837 == Greg. Calendar 5 March 837

APRIL 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	12 53 19	15 7 11'01	1 3 47	9 7 7	26 8 3	5 3 15	12 7 58	19°R45	24 1 58	29°R 2	22 1 19	24°R 1	23 3 52	20 2 52	15 1 34		
M 2	12 57 16	16° 9'24	15°52	11°10	26°37	5°59	13°12	19 11 42	25° 1	29 1 2	22°20	24 3 0	23°49	20°59	15°37		
T 3	13 1 12	17° 7'45	29°59	13°15	27° 9	6°42	13°27	19°38	25° 4	29° 1	22°21	24° 0	23°45	21° 6	15°40		
W 4	13 5 9	18° 6'05	14 3 8	15°21	27°40	7°26	13°41	19°35	25° 7	29° 1	22°23	23°59	23°42	21°12	15°44		
T 5	13 9 5	19° 4'24	28°15	17°28	28° 9	8° 9	13°55	19°31	25°10	29° 1	22°24	23°56	23°39	21°19	15°47		
F 6	13 13 2	20° 2'40	12 1 20	19°36	28°37	8°53	14°10	19°28	25°14	29° 1	22°25	23°51	23°36	21°26	15°50		
S 7	13 16 58	21° 0'55	26°19	21°44	29° 3	9°36	14°24	19°24	25°17	29° 0	22°27	23°42	23°33	21°32	15°53		
S 8	13 20 55	21°59'08	10 7 9	23°53	29°27	10°19	14°38	19°21	25°20	29° 0	22°28	23°31	23°29	21°39	15°56		
M 9	13 24 51	22°57'20	23°44	26° 2	29°50	11° 3	14°53	19°17	25°23	29° 0	22°29	23°19	23°26	21°46	15°59		
T 10	13 28 48	23°55'30	7 8 4	28°12	0 11 11	11°46	15° 7	19°13	25°26	28°59	22°31	23° 6	23°23	21°52	16° 2		
W11	13 32 45	24°53'38	20° 4	0 8 21	0°30	12°29	15°21	19° 9	25°29	28°59	22°32	22°54	23°20	21°59	16° 5		
T 12	13 36 41	25°51'44	2 11 46	2°29	0°47	13°13	15°36	19° 5	25°32	28°58	22°33	22°45	23°17	22° 5	16° 8		
F 13	13 40 38	26°49'49	15° 9	4°37	1° 2	13°56	15°50	19° 2	25°36	28°58	22°34	22°38	23°14	22°12	16°11		
S 14	13 44 34	27°47'51	27°17	6°44	1°15	14°39	16° 4	18°58	25°39	28°57	22°36	22°34	23°10	22°19	16°14		
S 15	13 48 31	28°45'52	9 2 13	8°49	1°26	15°23	16°18	18°54	25°42	28°57	22°37	22°32	23° 7	22°25	16°17		
M16	13 52 27	29°43'50	21° 3	10°52	1°35	16° 6	16°32	18°50	25°45	28°56	22°38	22°D31	23° 4	22°32	16°20		
T 17	13 56 24	0 8 41'47	2 1 51	12°53	1°42	16°49	16°47	18°45	25°48	28°55	22°39	22°R31	23° 1	22°39	16°23		
W18	14 0 20	1°39'42	14°44	14°53	1°46	17°32	17° 1	18°41	25°50	28°55	22°41	22°31	22°58	22°45	16°25		
T 19	14 4 17	2°37'35	26°45	16°49	1°R48	18°15	17°15	18°37	25°53	28°54	22°42	22°28	22°54	22°52	16°28		
F 20	14 8 14	3°35'26	9 11 1	18°43	1°48	18°58	17°29	18°33	25°56	28°53	22°43	22°24	22°51	22°59	16°31		
S 21	14 12 10	4°33'15	21°36	20°35	1°45	19°41	17°43	18°29	25°59	28°53	22°44	22°17	22°48	23° 5	16°34		
S 22	14 16 7	5°31'03	4 11 31	22°23	1°40	20°24	17°57	18°24	26° 2	28°52	22°45	22° 8	22°45	23°12	16°36		
M23	14 20 3	6°28'49	17°48	24° 9	1°32	21° 7	18°11	18°20	26° 5	28°51	22°46	21°57	22°42	23°19	16°39		
T 24	14 24 0	7°26'33	1 11 27	25°51	1°22	21°50	18°25	18°16	26° 8	28°50	22°47	21°45	22°39	23°25	16°42		
W25	14 27 56	8°24'16	15°23	27°30	1°10	22°33	18°39	18°12	26°10	28°49	22°49	21°34	22°35	23°32	16°44		
T 26	14 31 53	9°21'58	29°33	29° 5	0°55	23°16	18°53	18° 7	26°13	28°48	22°50	21°25	22°32	23°38	16°47		
F 27	14 35 49	10°19'38	13 1 51	0 11 38	0°37	23°59	19° 7	18° 3	26°16	28°47	22°51	21°18	22°29	23°45	16°49		
S 28	14 39 46	11°17'17	28°12	2° 7	0°18	24°42	19°21	17°58	26°18	28°47	22°52	21°14	22°26	23°52	16°51		
S 29	14 43 43	12°14'55	12 3 33	3°32	29 8 56	25°25	19°34	17°54	26°21	28°46	22°53	21°12	22°23	23°58	16°54		
M30	14 47 39	13 8 12'32	26 3 49	4 11 54	29 8 32	26 3 8	19°48	17 11 50	26 1 24	28 1 45	22 1 54	21°D12	22 3 20	24 2 5	16 1 56		

Delta T = 44m31s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 837

MAY 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	14 51 36	14♁10'08	10♁58	6♁12	29°R 5	26♁50	20♁2	17°R45	26♁26	28°R44	22♁55	21°R12	22♁16	24♁12	16♁59		
W 2	14 55 32	15° 7'43	25° 0	7°27	28♁37	27°33	20°16	17♁41	26°29	28♁43	22°56	21♁12	22°13	24°18	17° 1		
T 3	14 59 29	16° 5'17	8♁54	8°38	28° 7	28°16	20°29	17°36	26°31	28°42	22°57	21°10	22°10	24°25	17° 3		
F 4	15 3 25	17° 2'51	22°40	9°46	27°36	28°58	20°43	17°32	26°34	28°40	22°58	21° 6	22° 7	24°32	17° 5		
S 5	15 7 22	18° 0'23	6♁15	10°50	27° 3	29°41	20°56	17°27	26°36	28°39	22°59	20°59	22° 4	24°38	17° 7		
S 6	15 11 18	18°57'54	19°40	11°50	26°28	0♁23	21°10	17°23	26°39	28°38	23° 0	20°50	22° 0	24°45	17°10		
M 7	15 15 15	19°55'24	2♁52	12°46	25°53	1° 6	21°23	17°18	26°41	28°37	23° 1	20°40	21°57	24°52	17°12		
T 8	15 19 12	20°52'53	15°50	13°38	25°17	1°48	21°37	17°14	26°43	28°36	23° 1	20°29	21°54	24°58	17°14		
W 9	15 23 8	21°50'21	28°33	14°26	24°40	2°30	21°50	17°10	26°46	28°35	23° 2	20°19	21°51	25° 5	17°16		
T 10	15 27 5	22°47'49	11♁2	15°10	24° 2	3°12	22° 4	17° 5	26°48	28°33	23° 3	20°12	21°48	25°12	17°17		
F 11	15 31 1	23°45'15	23°17	15°49	23°24	3°55	22°17	17° 1	26°50	28°32	23° 4	20° 6	21°45	25°18	17°19		
S 12	15 34 58	24°42'40	5♁19	16°25	22°47	4°37	22°30	16°56	26°52	28°31	23° 5	20° 3	21°41	25°25	17°21		
S 13	15 38 54	25°40'04	17°13	16°56	22° 9	5°19	22°43	16°52	26°54	28°30	23° 6	20°D 1	21°38	25°31	17°23		
M14	15 42 51	26°37'26	29° 2	17°22	21°33	6° 1	22°56	16°48	26°57	28°28	23° 6	20° 2	21°35	25°38	17°25		
T 15	15 46 47	27°34'48	10♁49	17°44	20°57	6°43	23° 9	16°43	26°59	28°27	23° 7	20° 3	21°32	25°45	17°26		
W16	15 50 44	28°32'08	22°42	18° 2	20°22	7°24	23°22	16°39	27° 1	28°26	23° 8	20° 4	21°29	25°51	17°28		
T 17	15 54 41	29°29'27	4♁43	18°15	19°48	8° 6	23°35	16°35	27° 3	28°24	23° 9	20°R 4	21°26	25°58	17°30		
F 18	15 58 37	0♁26'46	17° 0	18°23	19°15	8°48	23°48	16°30	27° 5	28°23	23° 9	20° 2	21°22	26° 5	17°31		
S 19	16 2 34	1°24'03	29°36	18°R27	18°44	9°29	24° 1	16°26	27° 7	28°22	23°10	19°59	21°19	26°11	17°33		
S 20	16 6 30	2°21'19	12♁34	18°27	18°15	10°11	24°14	16°22	27° 8	28°20	23°11	19°53	21°16	26°18	17°34		
M21	16 10 27	3°18'34	25°58	18°21	17°48	10°52	24°26	16°18	27°10	28°19	23°11	19°47	21°13	26°25	17°36		
T 22	16 14 23	4°15'48	9♁47	18°12	17°22	11°33	24°39	16°14	27°12	28°17	23°12	19°40	21°10	26°31	17°37		
W23	16 18 20	5°13'02	23°59	17°58	16°59	12°15	24°52	16°10	27°14	28°16	23°13	19°33	21° 6	26°38	17°38		
T 24	16 22 16	6°10'15	8♁29	17°41	16°38	12°56	25° 4	16° 6	27°15	28°14	23°13	19°27	21° 3	26°45	17°40		
F 25	16 26 13	7° 7'28	23°10	17°19	16°19	13°37	25°17	16° 2	27°17	28°13	23°14	19°23	21° 0	26°51	17°41		
S 26	16 30 10	8° 4'40	7♁56	16°55	16° 3	14°18	25°29	15°58	27°19	28°11	23°14	19°21	20°57	26°58	17°42		
S 27	16 34 6	9° 1'52	22°39	16°27	15°49	14°59	25°41	15°54	27°20	28°10	23°15	19°D20	20°54	27° 4	17°43		
M28	16 38 3	9°59'03	7♁14	15°57	15°37	15°39	25°53	15°50	27°22	28° 8	23°15	19°21	20°51	27°11	17°44		
T 29	16 41 59	10°56'14	21°37	15°25	15°28	16°20	26° 6	15°46	27°23	28° 7	23°16	19°22	20°47	27°18	17°45		
W30	16 45 56	11°53'25	5♁44	14°52	15°21	17° 1	26°18	15°42	27°25	28° 5	23°16	19°R23	20°44	27°24	17°46		
T 31	16 49 52	12♁50'36	19♁36	14♁17	15♁17	17♁41	26♁30	15♁38	27♁26	28♁4	23♁17	19♁23	20♁41	27♁31	17♁47		

Delta T = 44m31s

Julian Calendar 1 May 837 == Greg. Calendar 5 May 837

JUNE 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	16 53 49	13♁47'47	3♁11	13°R42	15♁15	18♁22	26♁41	15°R35	27♁28	28°R 2	23♁17	19°R22	20♁38	27♁38	17♁48		
S 2	16 57 45	14°44'58	16°31	13♁8	15°15	19° 2	26°53	15♁31	27°29	28♁1	23°17	19♁19	20°35	27°44	17°49		
S 3	17 1 42	15°42'08	29°36	12°34	15°18	19°42	27° 5	15°28	27°30	27°59	23°18	19°14	20°32	27°51	17°49		
M 4	17 5 39	16°39'19	12♁27	12° 2	15°23	20°22	27°17	15°24	27°31	27°58	23°18	19° 9	20°28	27°58	17°50		
T 5	17 9 35	17°36'30	25° 5	11°32	15°30	21° 2	27°28	15°21	27°33	27°56	23°18	19° 4	20°25	28° 4	17°51		
W 6	17 13 32	18°33'41	7♁30	11° 4	15°39	21°41	27°40	15°17	27°34	27°54	23°19	18°59	20°22	28°11	17°51		
T 7	17 17 28	19°30'51	19°44	10°39	15°51	22°21	27°51	15°14	27°35	27°53	23°19	18°55	20°19	28°18	17°52		
F 8	17 21 25	20°28'02	1♁48	10°18	16° 4	23° 0	28° 2	15°11	27°36	27°51	23°19	18°53	20°16	28°24	17°52		
S 9	17 25 21	21°25'12	13°44	10° 0	16°19	23°40	28°14	15° 8	27°37	27°50	23°20	18°D51	20°12	28°31	17°53		
S 10	17 29 18	22°22'22	25°33	9°47	16°37	24°19	28°25	15° 5	27°38	27°48	23°20	18°51	20° 9	28°38	17°53		
M11	17 33 15	23°19'32	7♁20	9°38	16°56	24°58	28°36	15° 2	27°39	27°46	23°20	18°52	20° 6	28°44	17°54		
T 12	17 37 11	24°16'42	19° 8	9°D33	17°17	25°37	28°47	14°59	27°39	27°45	23°20	18°54	20° 3	28°51	17°54		
W13	17 41 8	25°13'52	1♁0	9°34	17°39	26°16	28°57	14°56	27°40	27°43	23°20	18°56	20° 0	28°57	17°54		
T 14	17 45 4	26°11'01	13° 2	9°39	18° 3	26°54	29° 8	14°53	27°41	27°42	23°20	18°57	19°57	29° 4	17°54		
F 15	17 49 1	27° 8'10	25°17	9°50	18°29	27°33	29°19	14°50	27°42	27°40	23°20	18°R58	19°53	29°11	17°54		
S 16	17 52 57	28° 5'19	7♁51	10° 5	18°57	28°11	29°29	14°48	27°42	27°38	23°21	18°57	19°50	29°17	17°54		
S 17	17 56 54	29° 2'28	20°47	10°26	19°26	28°49	29°40	14°45	27°43	27°37	23°21	18°56	19°47	29°24	17°R54		
M18	18 0 50	29°59'37	4♁9	10°51	19°56	29°27	29°50	14°43	27°44	27°35	23°21	18°54	19°44	29°31	17°54		
T 19	18 4 47	0♁56'46	17°58	11°22	20°28	0♁4	0♁0	14°40	27°44	27°33	23°R21	18°52	19°41	29°37	17°54		
W20	18 8 43	1°53'55	2♁13	11°59	21° 1	0°42	0°10	14°38	27°45	27°32	23°21	18°50	19°38	29°44	17°54		
T 21	18 12 40	2°51'05	16°51	12°40	21°36	1°19	0°20	14°36	27°45	27°30	23°21	18°48	19°34	29°51	17°54		
F 22	18 16 37	3°48'14	1♁45	13°26	22°11	1°57	0°30	14°34	27°45	27°29	23°21	18°47	19°31	29°57	17°54		
S 23	18 20 33	4°45'24	16°49	14°17	22°48	2°34	0°40	14°31	27°46	27°27	23°21	18°D46	19°28	0♁4	17°53		
S 24	18 24 30	5°42'34	1♁53	15°14	23°26	3°10	0°50	14°29	27°46	27°25	23°20	18°46	19°25	0°11	17°53		
M25	18 28 26	6°39'45	16°48	16°15	24° 6	3°47	0°59	14°28	27°46	27°24	23°20	18°47	19°22	0°17	17°53		
T 26	18 32 23	7°36'57	1♁29	17°21	24°46	4°24	1° 9	14°26	27°46	27°22	23°20	18°48	19°18	0°24	17°52		
W27	18 36 19	8°34'09	15°50	18°31	25°27	5° 0	1°18	14°24	27°46	27°21	23°20	18°49	19°15	0°31	17°52		
T 28	18 40 16	9°31'22	29°48	19°47	26°10	5°36	1°27	14°22	27°47	27°19	23°20	18°49	19°12	0°37	17°51		
F 29	18 44 13	10°28'36	13♁23	21° 7	26°53	6°12	1°36	14°21	27°R47	27°18	23°20	18°R49	19° 9	0°44	17°50		
S 30	18 48 9	11♁25'51	26♁37	22♁31	27♁37	6♁47	1♁45	14♁19	27♁47	27♁16	23♁19	18♁49	19♁6	0♁50	17♁50		

Delta T = 44m30s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 837

JULY 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	18 52 6	12 ²³ 07	9 ⁸ 31	24 ^{II} 0	28 ⁸ 22	7 ^Y 23	1 ⁸ 54	14 ^R 18	27 ^R 46	27 ^R 14	23 ^R 19	18 ^R 49	19 ³ 3	0 ⁸ 57	17 ^R 49
M 2	18 56 2	13 ²⁰ 23	22 [°] 8	25 [°] 33	29 [°] 8	7 [°] 58	2 [°] 3	14 ^M 17	27 ^H 46	27 ^A 13	23 ^H 19	18 ³ 48	18 [°] 59	1 [°] 4	17 ^H 48
T 3	18 59 59	14 ¹⁷ 41	4 ^{II} 30	27 [°] 10	29 [°] 55	8 [°] 32	2 [°] 11	14 [°] 16	27 [°] 46	27 [°] 11	23 [°] 19	18 [°] 47	18 [°] 56	1 [°] 10	17 [°] 47
W 4	19 3 55	15 ¹⁵ 00	16 [°] 41	28 [°] 51	0 ^{II} 43	9 [°] 7	2 [°] 20	14 [°] 15	27 [°] 46	27 [°] 10	23 [°] 18	18 [°] 47	18 [°] 53	1 [°] 17	17 [°] 47
T 5	19 7 52	16 ¹² 19	28 [°] 42	0 ³ 35	1 [°] 31	9 [°] 41	2 [°] 28	14 [°] 14	27 [°] 46	27 [°] 8	23 [°] 18	18 [°] 46	18 [°] 50	1 [°] 24	17 [°] 46
F 6	19 11 48	21 [°] 56'33	10 ³ 37	2 [°] 23	2 [°] 20	10 [°] 16	2 [°] 36	14 [°] 13	27 [°] 45	27 [°] 7	23 [°] 18	18 [°] 46	18 [°] 47	1 [°] 30	17 [°] 45
S 7	19 15 45	18 [°] 7'01	22 [°] 27	4 [°] 14	3 [°] 10	10 [°] 49	2 [°] 44	14 [°] 12	27 [°] 45	27 [°] 5	23 [°] 17	18 [°] D46	18 [°] 44	1 [°] 37	17 [°] 44
S 8	19 19 42	19 [°] 4'22	4 ^{II} 14	6 [°] 8	4 [°] 0	11 [°] 23	2 [°] 52	14 [°] 11	27 [°] 45	27 [°] 4	23 [°] 17	18 [°] R46	18 [°] 40	1 [°] 44	17 [°] 43
M 9	19 23 38	20 [°] 1'45	16 [°] 1	8 [°] 5	4 [°] 51	11 [°] 56	3 [°] 0	14 [°] 11	27 [°] 44	27 [°] 2	23 [°] 17	18 [°] 46	18 [°] 37	1 [°] 50	17 [°] 41
T 10	19 27 35	20 [°] 59'09	27 [°] 51	10 [°] 3	5 [°] 43	12 [°] 29	3 [°] 7	14 [°] 10	27 [°] 44	27 [°] 1	23 [°] 16	18 [°] 46	18 [°] 34	1 [°] 57	17 [°] 40
W11	19 31 31	21 [°] 56'33	9 ^{III} 46	12 [°] 4	6 [°] 35	13 [°] 2	3 [°] 15	14 [°] 10	27 [°] 43	26 [°] 59	23 [°] 16	18 [°] 46	18 [°] 31	2 [°] 4	17 [°] 39
T 12	19 35 28	22 [°] 53'58	21 [°] 50	14 [°] 6	7 [°] 28	13 [°] 34	3 [°] 22	14 [°] 9	27 [°] 42	26 [°] 58	23 [°] 15	18 [°] 45	18 [°] 28	2 [°] 10	17 [°] 38
F 13	19 39 24	23 [°] 51'24	4 ^{II} 7	16 [°] 9	8 [°] 22	14 [°] 6	3 [°] 29	14 [°] 9	27 [°] 42	26 [°] 57	23 [°] 15	18 [°] 45	18 [°] 24	2 [°] 17	17 [°] 36
S 14	19 43 21	24 [°] 48'50	16 [°] 39	18 [°] 13	9 [°] 16	14 [°] 38	3 [°] 36	14 [°] 9	27 [°] 41	26 [°] 55	23 [°] 14	18 [°] 45	18 [°] 21	2 [°] 24	17 [°] 35
S 15	19 47 17	25 [°] 46'18	29 [°] 32	20 [°] 17	10 [°] 11	15 [°] 10	3 [°] 43	14 [°] D 9	27 [°] 40	26 [°] 54	23 [°] 14	18 [°] D45	18 [°] 18	2 [°] 30	17 [°] 34
M16	19 51 14	26 [°] 43'46	12 ^{III} 47	22 [°] 21	11 [°] 6	15 [°] 41	3 [°] 50	14 [°] 9	27 [°] 40	26 [°] 52	23 [°] 13	18 [°] 45	18 [°] 15	2 [°] 37	17 [°] 32
T 17	19 55 11	27 [°] 41'15	26 [°] 28	24 [°] 26	12 [°] 1	16 [°] 12	3 [°] 56	14 [°] 9	27 [°] 39	26 [°] 51	23 [°] 12	18 [°] 45	18 [°] 12	2 [°] 44	17 [°] 31
W18	19 59 7	28 [°] 38'45	10 ^{IV} 36	26 [°] 30	12 [°] 57	16 [°] 42	4 [°] 3	14 [°] 9	27 [°] 38	26 [°] 50	23 [°] 12	18 [°] 46	18 [°] 9	2 [°] 50	17 [°] 29
T 19	20 3 4	29 [°] 36'16	25 [°] 8	28 [°] 33	13 [°] 54	17 [°] 12	4 [°] 9	14 [°] 10	27 [°] 37	26 [°] 49	23 [°] 11	18 [°] 47	18 [°] 5	2 [°] 57	17 [°] 27
F 20	20 7 0	0 ^{II} 33'48	10 ³ 1	0 ^{II} 33	14 [°] 51	17 [°] 42	4 [°] 15	14 [°] 10	27 [°] 36	26 [°] 47	23 [°] 11	18 [°] 47	18 [°] 2	3 [°] 3	17 [°] 26
S 21	20 10 57	1 [°] 31'21	25 [°] 9	2 [°] 38	15 [°] 49	18 [°] 12	4 [°] 21	14 [°] 11	27 [°] 35	26 [°] 46	23 [°] 10	18 [°] R48	17 [°] 59	3 [°] 10	17 [°] 24
S 22	20 14 53	2 [°] 28'55	10 ^{III} 22	4 [°] 39	16 [°] 46	18 [°] 41	4 [°] 26	14 [°] 12	27 [°] 34	26 [°] 45	23 [°] 9	18 [°] 47	17 [°] 56	3 [°] 17	17 [°] 22
M23	20 18 50	3 [°] 26'31	25 [°] 31	6 [°] 39	17 [°] 45	19 [°] 9	4 [°] 32	14 [°] 12	27 [°] 33	26 [°] 44	23 [°] 9	18 [°] 46	17 [°] 53	3 [°] 23	17 [°] 21
T 24	20 22 46	4 [°] 24'08	10 ^{IV} 27	8 [°] 37	18 [°] 44	19 [°] 38	4 [°] 37	14 [°] 13	27 [°] 32	26 [°] 42	23 [°] 8	18 [°] 44	17 [°] 50	3 [°] 30	17 [°] 19
W25	20 26 43	5 [°] 21'46	25 [°] 2	10 [°] 35	19 [°] 43	20 [°] 6	4 [°] 43	14 [°] 14	27 [°] 31	26 [°] 41	23 [°] 7	18 [°] 42	17 [°] 46	3 [°] 37	17 [°] 17
T 26	20 30 40	6 [°] 19'26	9 ^Y 12	12 [°] 31	20 [°] 42	20 [°] 33	4 [°] 48	14 [°] 15	27 [°] 29	26 [°] 40	23 [°] 7	18 [°] 40	17 [°] 43	3 [°] 43	17 [°] 15
F 27	20 34 36	7 [°] 17'08	22 [°] 54	14 [°] 25	21 [°] 42	21 [°] 0	4 [°] 53	14 [°] 16	27 [°] 28	26 [°] 39	23 [°] 6	18 [°] 39	17 [°] 40	3 [°] 50	17 [°] 13
S 28	20 38 33	8 [°] 14'51	6 ⁸ 10	16 [°] 19	22 [°] 43	21 [°] 27	4 [°] 57	14 [°] 17	27 [°] 27	26 [°] 38	23 [°] 5	18 [°] D38	17 [°] 37	3 [°] 57	17 [°] 11
S 29	20 42 29	9 [°] 12'37	19 [°] 1	18 [°] 11	23 [°] 43	21 [°] 53	5 [°] 2	14 [°] 19	27 [°] 25	26 [°] 37	23 [°] 4	18 [°] 38	17 [°] 34	4 [°] 3	17 [°] 9
M30	20 46 26	10 [°] 10'23	1 ^{II} 32	20 [°] 1	24 [°] 44	22 [°] 19	5 [°] 6	14 [°] 20	27 [°] 24	26 [°] 36	23 [°] 3	18 [°] 39	17 [°] 30	4 [°] 10	17 [°] 7
T 31	20 50 22	11 [°] 11'17	13 ^{II} 46	21 [°] 50	25 [°] 46	22 [°] 45	5 [°] 11	14 [°] M22	27 [°] H23	26 [°] A34	23 [°] H 3	18 [°] 341	17 [°] 327	4 [°] 117	17 [°] H 5

Delta T = 44m29s

Julian Calendar 1 July 837 == Greg. Calendar 5 July 837

AUGUST 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	20 54 19	12 ^{II} 6'03	25 ^{II} 48	23 ^{II} 38	26 ^{II} 47	23 ^Y 10	5 ⁸ 15	14 ^M 23	27 ^R 21	26 ^R 33	23 ^R 2	18 ³ 43	17 ³ 24	4 ^{II} 23	17 ^R 3
T 2	20 58 15	13 [°] 3'55	7 ³ 41	25 [°] 25	27 [°] 49	23 [°] 34	5 [°] 18	14 [°] 25	27 [°] H20	26 [°] A32	23 [°] H 1	18 [°] 44	17 [°] 21	4 [°] 30	17 ^H 1
F 3	21 2 12	14 [°] 1'49	19 [°] 30	27 [°] 10	28 [°] 51	23 [°] 58	5 [°] 22	14 [°] 27	27 [°] 18	26 [°] 32	23 [°] 0	18 [°] R44	17 [°] 18	4 [°] 37	16 [°] 59
S 4	21 6 9	14 [°] 59'44	1 ^{II} 17	28 [°] 54	29 [°] 54	24 [°] 21	5 [°] 26	14 [°] 29	27 [°] 17	26 [°] 31	22 [°] 59	18 [°] 44	17 [°] 15	4 [°] 43	16 [°] 56
S 5	21 10 5	15 [°] 57'42	13 [°] 5	0 ^{III} 36	0 ³ 57	24 [°] 44	5 [°] 29	14 [°] 31	27 [°] 15	26 [°] 30	22 [°] 58	18 [°] 42	17 [°] 11	4 [°] 50	16 [°] 54
M 6	21 14 2	16 [°] 55'40	24 [°] 56	2 [°] 17	2 [°] 0	25 [°] 7	5 [°] 32	14 [°] 33	27 [°] 13	26 [°] 29	22 [°] 57	18 [°] 38	17 [°] 8	4 [°] 57	16 [°] 52
T 7	21 17 58	17 [°] 53'41	6 ^{III} 52	3 [°] 57	3 [°] 3	25 [°] 29	5 [°] 35	14 [°] 35	27 [°] 12	26 [°] 28	22 [°] 56	18 [°] 34	17 [°] 5	5 [°] 3	16 [°] 50
W 8	21 21 55	18 [°] 51'43	18 [°] 55	5 [°] 36	4 [°] 7	25 [°] 50	5 [°] 38	14 [°] 37	27 [°] 10	26 [°] 27	22 [°] 56	18 [°] 28	17 [°] 2	5 [°] 10	16 [°] 47
T 9	21 25 51	19 [°] 49'46	1 ^{II} 7	7 [°] 13	5 [°] 11	26 [°] 11	5 [°] 40	14 [°] 40	27 [°] 8	26 [°] 26	22 [°] 55	18 [°] 23	16 [°] 59	5 [°] 17	16 [°] 45
F 10	21 29 48	20 [°] 47'51	13 [°] 30	8 [°] 49	6 [°] 15	26 [°] 31	5 [°] 42	14 [°] 42	27 [°] 6	26 [°] 25	22 [°] 54	18 [°] 18	16 [°] 56	5 [°] 23	16 [°] 42
S 11	21 33 44	21 [°] 45'58	26 [°] 6	10 [°] 24	7 [°] 20	26 [°] 50	5 [°] 45	14 [°] 44	27 [°] 4	26 [°] 25	22 [°] 53	18 [°] 14	16 [°] 52	5 [°] 30	16 [°] 40
S 12	21 37 41	22 [°] 44'06	8 ^{III} 59	11 [°] 57	8 [°] 24	27 [°] 9	5 [°] 46	14 [°] 47	27 [°] 3	26 [°] 24	22 [°] 52	18 [°] 12	16 [°] 49	5 [°] 36	16 [°] 38
M13	21 41 38	23 [°] 42'15	22 [°] 10	13 [°] 29	9 [°] 29	27 [°] 28	5 [°] 48	14 [°] 50	27 [°] 1	26 [°] 23	22 [°] 51	18 [°] D11	16 [°] 46	5 [°] 43	16 [°] 35
T 14	21 45 34	24 [°] 40'26	5 ^{IV} 42	15 [°] 0	10 [°] 34	27 [°] 46	5 [°] 50	14 [°] 53	26 [°] 59	26 [°] 23	22 [°] 50	18 [°] 12	16 [°] 43	5 [°] 50	16 [°] 33
W15	21 49 31	25 [°] 38'39	19 [°] 37	16 [°] 30	11 [°] 40	28 [°] 3	5 [°] 51	14 [°] 56	26 [°] 57	26 [°] 22	22 [°] 49	18 [°] 13	16 [°] 40	5 [°] 56	16 [°] 30
T 16	21 53 27	26 [°] 36'53	3 ³ 56	17 [°] 59	12 [°] 45	28 [°] 19	5 [°] 52	14 [°] 58	26 [°] 55	26 [°] 21	22 [°] 48	18 [°] 14	16 [°] 36	6 [°] 3	16 [°] 28
F 17	21														

SWISS EPHEMERIS for the year 837

SEPTEMBER 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	22 56 32	12♍13'04	9♌58	8♌18	0♌43	1♌ 6	5°R44	15♌57	26°R20	26°R16	22°R30	17°R34	15♌46	7♌50	15°R45									
S 2	23 0 29	13°11'53	21°49	9°19	1°51	1°10	5♃42	16° 2	26♁18	26♁16	22♁29	17♁29	15°42	7°56	15♁42									
M 3	23 4 25	14°10'44	31♁47	10°17	3° 0	1°13	5°39	16° 6	26°15	26°16	22°28	17°22	15°39	8° 3	15°39									
T 4	23 8 22	15° 9'38	15°53	11°12	4°10	1°15	5°36	16°11	26°13	26°D16	22°26	17°12	15°36	8°10	15°36									
W 5	23 12 18	16° 8'33	28° 8	12° 5	5°19	1°16	5°34	16°15	26°11	26°16	22°25	17° 1	15°33	8°16	15°33									
T 6	23 16 15	17° 7'31	10♌35	12°54	6°28	1°R16	5°31	16°20	26° 8	26°16	22°24	16°50	15°30	8°23	15°31									
F 7	23 20 11	18° 6'30	23°12	13°39	7°38	1°15	5°27	16°24	26° 6	26°16	22°23	16°40	15°27	8°30	15°28									
S 8	23 24 8	19° 5'32	6♌ 1	14°21	8°48	1°13	5°24	16°29	26° 3	26°16	22°22	16°31	15°23	8°36	15°25									
S 9	23 28 5	20° 4'35	19° 2	14°59	9°58	1°11	5°20	16°34	26° 1	26°16	22°21	16°24	15°20	8°43	15°22									
M10	23 32 1	21° 3'40	2♁17	15°32	11° 7	1° 7	5°17	16°39	25°59	26°16	22°19	16°20	15°17	8°49	15°20									
T 11	23 35 58	22° 2'48	15°47	16° 0	12°18	1° 3	5°13	16°44	25°56	26°17	22°18	16°19	15°14	8°56	15°17									
W12	23 39 54	23° 1'57	29°33	16°23	13°28	0°58	5° 8	16°49	25°54	26°17	22°17	16°D19	15°11	9° 3	15°14									
T 13	23 43 51	24° 1'07	13♌37	16°41	14°38	0°51	5° 4	16°54	25°51	26°17	22°16	16°R19	15° 7	9° 9	15°11									
F 14	23 47 47	25° 0'20	27°58	16°52	15°49	0°44	5° 0	16°59	25°49	26°17	22°15	16°19	15° 4	9°16	15° 9									
S 15	23 51 44	25°59'34	12♌34	16°R56	16°59	0°37	4°55	17° 5	25°46	26°18	22°13	16°16	15° 1	9°23	15° 6									
S 16	23 55 40	26°58'50	27°21	16°53	18°10	0°28	4°50	17°10	25°44	26°18	22°12	16°11	14°58	9°29	15° 3									
M17	23 59 37	27°58'08	12♁12	16°43	19°21	0°18	4°45	17°15	25°42	26°19	22°11	16° 4	14°55	9°36	15° 1									
T 18	0 3 34	28°57'28	26°59	16°25	20°32	0° 8	4°40	17°21	25°39	26°19	22°10	15°54	14°52	9°43	14°58									
W19	0 7 30	29°56'50	11♁35	15°58	21°43	29°V57	4°34	17°26	25°37	26°20	22° 9	15°43	14°48	9°49	14°55									
T 20	0 11 27	0♌56'14	25°50	15°24	22°54	29°45	4°29	17°32	25°34	26°20	22° 8	15°31	14°45	9°56	14°53									
F 21	0 15 23	1°55'41	9♁41	14°41	24° 6	29°32	4°23	17°37	25°32	26°21	22° 6	15°21	14°42	10° 3	14°50									
S 22	0 19 20	2°55'10	23° 5	13°50	25°17	29°18	4°17	17°43	25°29	26°21	22° 5	15°14	14°39	10° 9	14°47									
S 23	0 23 16	3°54'41	6♀ 3	12°52	26°29	29° 4	4°11	17°49	25°27	26°22	22° 4	15° 8	14°36	10°16	14°45									
M24	0 27 13	4°54'15	18°36	11°48	27°41	28°49	4° 5	17°54	25°25	26°22	22° 3	15° 5	14°33	10°23	14°42									
T 25	0 31 9	5°53'50	0♌50	10°39	28°52	28°33	3°59	18° 0	25°22	26°23	22° 2	15° 4	14°29	10°29	14°40									
W26	0 35 6	6°53'29	12°49	9°26	0♁ 4	28°17	3°52	18° 6	25°20	26°24	22° 1	15° 4	14°26	10°36	14°37									
T 27	0 39 2	7°53'09	24°40	8°12	1°16	28° 0	3°46	18°12	25°18	26°25	22° 0	15° 4	14°23	10°43	14°35									
F 28	0 42 59	8°52'52	6♌27	6°58	2°28	27°42	3°39	18°18	25°15	26°25	21°58	15° 3	14°20	10°49	14°32									
S 29	0 46 56	9°52'37	18°17	5°47	3°41	27°24	3°32	18°24	25°13	26°26	21°57	14°59	14°17	10°56	14°30									
S 30	0 50 52	10♌52'24	0♁12	4♌42	4♁53	27°V 5	3♃25	18♌30	25♁11	26♁27	21♁56	14♌52	14♌13	11♌ 3	14♁27									

Delta T = 44m28s Julian Calendar 1 Sept. 837 == Greg. Calendar 5 Sept. 837

OCTOBER 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
M 1	0 54 49	11♌52'14	12♍17	3°R43	6♁ 5	26°R46	3°R18	18♌36	25°R 8	26♁28	21°R55	14°R43	14♌10	11♌ 9	14°R25									
T 2	0 58 45	12°52'05	24°34	2♌52	7°18	26°V26	3♃11	18°42	25♁ 6	26°29	21♁54	14♌31	14° 7	11°16	14♁23									
W 3	1 2 42	13°51'59	7♌ 4	2°12	8°30	26° 6	3° 4	18°48	25° 4	26°30	21°53	14°17	14° 4	11°23	14°20									
T 4	1 6 38	14°51'55	19°48	1°43	9°43	25°45	2°57	18°55	25° 1	26°31	21°52	14° 3	14° 1	11°29	14°18									
F 5	1 10 35	15°51'53	2♌45	1°24	10°56	25°25	2°49	19° 1	24°59	26°32	21°51	13°50	13°58	11°36	14°16									
S 6	1 14 31	16°51'52	15°55	1°D18	12° 9	25° 4	2°41	19° 7	24°57	26°33	21°50	13°39	13°54	11°43	14°14									
S 7	1 18 28	17°51'54	29°15	1°22	13°21	24°43	2°34	19°13	24°55	26°34	21°49	13°30	13°51	11°49	14°11									
M 8	1 22 25	18°51'57	12♁45	1°38	14°34	24°22	2°26	19°20	24°53	26°35	21°48	13°25	13°48	11°56	14° 9									
T 9	1 26 21	19°52'02	26°24	2° 3	15°48	24° 0	2°18	19°26	24°50	26°36	21°47	13°22	13°45	12° 3	14° 7									
W10	1 30 18	20°52'09	10♌13	2°38	17° 1	23°39	2°10	19°33	24°48	26°37	21°46	13°D22	13°42	12° 9	14° 5									
T 11	1 34 14	21°52'17	24°11	3°22	18°14	23°18	2° 3	19°39	24°46	26°39	21°45	13°R22	13°38	12°16	14° 3									
F 12	1 38 11	22°52'27	8♌19	4°13	19°27	22°56	1°55	19°46	24°44	26°40	21°44	13°21	13°35	12°23	14° 1									
S 13	1 42 7	23°52'39	22°35	5°11	20°40	22°35	1°47	19°52	24°42	26°41	21°43	13°18	13°32	12°29	13°59									
S 14	1 46 4	24°52'51	6♁58	6°15	21°54	22°15	1°38	19°59	24°40	26°42	21°42	13°13	13°29	12°36	13°57									
M15	1 50 0	25°53'06	21°23	7°24	23° 7	21°54	1°30	20° 6	24°38	26°44	21°41	13° 5	13°26	12°43	13°55									
T 16	1 53 57	26°53'22	5°V45	8°38	24°21	21°34	1°22	20°12	24°36	26°45	21°40	12°55	13°23	12°49	13°53									
W17	1 57 54	27°53'39	19°59	9°55	25°34	21°14	1°14	20°19	24°34	26°46	21°39	12°43	13°19	12°56	13°52									
T 18	2 1 50	28°53'59	3♃58	11°16	26°48	20°54	1° 6	20°26	24°32	26°48	21°38	12°31	13°16	13° 3	13°50									
F 19	2 5 47	29°54'20	17°38	12°40	28° 2	20°35	0°58	20°33	24°31	26°49	21°37	12°21	13°13	13° 9	13°48									
S 20	2 9 43	0♌54'43	0♀56	14° 6	29°16	20°16	0°50	20°39	24°29	26°50	21°36	12°12	13°10	13°16	13°46									
S 21	2 13 40	1°55'08	13°51	15°33	0♌29	19°58	0°41	20°46	24°27	26°52	21°35	12° 6	13° 7	13°23	13°45									
M22	2 17 36	2°55'35	26°25	17° 3	1°43	19°40	0°33	20°53	24°25	26°53	21°34	12° 2	13° 4	13°29	13°43									
T 23	2 21 33	3°56'04	8♌40	18°33	2°57	19°23	0°25	21° 0	24°23	26°55	21°34	12°D 1	13° 0	13°36	13°42									
W24	2 25 29	4°56'35	20°41	20° 5	4°11	19° 6	0°17	21° 7	24°22	26°57	21°33	12° 1	12°57	13°43	13°40									
T 25	2 29 26	5°57'07	2♌33	21°38	5°26	18°50	0° 9	21°14	24°20	26°58	21°32	12°R 2	12°54	13°49	13°39									
F 26	2 33 23	6°57'42	14°22	23°11	6°40	18°35	0° 1	21°21	24°19	27° 0	21°31	12° 2	12°51	13°56	13°37									
S 27	2 37 19	7°58'18	26°12	24°44	7°54	18°20	29°V53	21°27	24°17	27° 1	21°30	12° 0	12°48	14° 3	13°36									
S 28	2 41 16	8°58'56	8♁10	26°18	9° 8	18° 6																		

SWISS EPHEMERIS for the year 837

NOVEMBER 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	2 57 2	13♍ 1'44	28♌24	2♉37	14♌ 5	17°R18	29°R13	22♌ 2	24°R10	27♌10	21°R27	11°R19	12♌32	14♌36	13°R30	
F 2	3 0 58	14° 2'30	11♍42	4°12	15°20	17°Y 8	29°Y 6	22° 9	24°K 8	27°12	21°K26	11°Z 8	12°29	14°43	13°K29	
S 3	3 4 55	15° 3'18	25°15	5°47	16°34	16°58	28°58	22°16	24° 7	27°13	21°26	10°59	12°25	14°49	13°28	
S 4	3 8 52	16° 4'07	9♌ 1	7°21	17°49	16°50	28°51	22°23	24° 6	27°15	21°25	10°53	12°22	14°56	13°27	
M 5	3 12 48	17° 4'57	22°56	8°56	19° 4	16°42	28°43	22°31	24° 5	27°17	21°24	10°49	12°19	15° 3	13°26	
T 6	3 16 45	18° 5'48	6♌57	10°31	20°18	16°35	28°36	22°38	24° 4	27°19	21°24	10°D47	12°16	15° 9	13°25	
W 7	3 20 41	19° 6'40	21° 3	12° 6	21°33	16°29	28°29	22°45	24° 2	27°21	21°23	10°47	12°13	15°16	13°25	
T 8	3 24 38	20° 7'33	5♌10	13°40	22°47	16°24	28°22	22°52	24° 1	27°23	21°23	10°49	12°10	15°23	13°24	
F 9	3 28 34	21° 8'27	19°17	15°15	24° 2	16°20	28°15	22°59	24° 0	27°24	21°22	10°R49	12° 6	15°29	13°23	
S 10	3 32 31	22° 9'22	3♌24	16°49	25°17	16°16	28° 8	23° 6	23°59	27°26	21°22	10°49	12° 3	15°36	13°23	
S 11	3 36 27	23°10'17	17°28	18°24	26°32	16°13	28° 1	23°13	23°58	27°28	21°21	10°46	12° 0	15°43	13°22	
M12	3 40 24	24°11'13	1°Y29	19°58	27°46	16°12	27°55	23°20	23°58	27°30	21°21	10°41	11°57	15°49	13°22	
T 13	3 44 21	25°12'10	15°23	21°32	29° 1	16°11	27°48	23°27	23°57	27°32	21°20	10°35	11°54	15°56	13°21	
W14	3 48 17	26°13'08	29° 9	23° 6	0♍16	16°D10	27°42	23°34	23°56	27°34	21°20	10°27	11°50	16° 3	13°21	
T 15	3 52 14	27°14'07	12♌42	24°41	1°31	16°11	27°36	23°41	23°55	27°36	21°20	10°19	11°47	16° 9	13°21	
F 16	3 56 10	28°15'07	26° 0	26°15	2°46	16°12	27°30	23°48	23°55	27°38	21°19	10°12	11°44	16°16	13°20	
S 17	4 0 7	29°16'08	9♍ 2	27°49	4° 1	16°14	27°24	23°55	23°54	27°40	21°19	10° 7	11°41	16°23	13°20	
S 18	4 4 3	0♌17'09	21°46	29°23	5°16	16°17	27°18	24° 2	23°53	27°42	21°19	10° 3	11°38	16°29	13°20	
M19	4 8 0	1°18'12	4♌14	0♌58	6°31	16°21	27°13	24° 9	23°53	27°45	21°18	10°D 1	11°35	16°36	13°20	
T 20	4 11 56	2°19'15	16°26	2°32	7°45	16°25	27° 7	24°16	23°52	27°47	21°18	10° 1	11°31	16°43	13°D20	
W21	4 15 53	3°20'20	28°27	4° 7	9° 0	16°30	27° 2	24°24	23°52	27°49	21°18	10° 3	11°28	16°49	13°20	
T 22	4 19 50	4°21'25	10♌19	5°41	10°15	16°36	26°57	24°31	23°52	27°51	21°18	10° 4	11°25	16°56	13°20	
F 23	4 23 46	5°22'31	22° 8	7°16	11°31	16°42	26°52	24°38	23°51	27°53	21°17	10° 6	11°22	17° 3	13°20	
S 24	4 27 43	6°23'39	3♍59	8°50	12°46	16°49	26°47	24°45	23°51	27°55	21°17	10°R 7	11°19	17° 9	13°20	
S 25	4 31 39	7°24'47	15°56	10°25	14° 1	16°57	26°43	24°52	23°51	27°57	21°17	10° 7	11°16	17°16	13°20	
M26	4 35 36	8°25'55	28° 5	12° 0	15°16	17° 6	26°39	24°58	23°51	27°59	21°17	10° 5	11°12	17°23	13°21	
T 27	4 39 32	9°27'05	10♌30	13°36	16°31	17°15	26°34	25° 5	23°51	28° 2	21°17	10° 2	11° 9	17°29	13°21	
W28	4 43 29	10°28'16	23°15	15°11	17°46	17°25	26°31	25°12	23°50	28° 4	21°17	9°57	11° 6	17°36	13°22	
T 29	4 47 25	11°29'27	6♍22	16°47	19° 1	17°35	26°27	25°19	23°D50	28° 6	21°17	9°52	11° 3	17°43	13°22	
F 30	4 51 22	12♌30'39	19♍51	18♌22	20♍16	17°Y46	26°Y23	25♍26	23°K50	28♌ 8	21°K17	9°Z48	11°Z 0	17°Q49	13°K23	

Delta T = 44m27s

Julian Calendar 1 Nov. 837 == Greg. Calendar 5 Nov. 837

DECEMBER 837 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	4 55 19	13♌31'51	3♌42	19♌58	21♍31	17°Y58	26°R20	25♍33	23°K51	28♌10	21°K17	9°R44	10°Z56	17°Q56	13°K23	
S 2	4 59 15	14°33'04	17°51	21°34	22°47	18°10	26°Y17	25°40	23°51	28°13	21°17	9°Z41	10°53	18° 3	13°24	
M 3	5 3 12	15°34'17	2♌13	23°11	24° 2	18°23	26°14	25°47	23°51	28°15	21°17	9°40	10°50	18° 9	13°24	
T 4	5 7 8	16°35'31	16°44	24°47	25°17	18°37	26°11	25°53	23°51	28°17	21°17	9°D40	10°47	18°16	13°25	
W 5	5 11 5	17°36'44	1♌16	26°23	26°32	18°51	26° 8	26° 0	23°51	28°19	21°17	9°41	10°44	18°23	13°26	
T 6	5 15 1	18°37'58	15°45	28° 0	27°47	19° 5	26° 6	26° 7	23°52	28°22	21°17	9°42	10°41	18°29	13°27	
F 7	5 18 58	19°39'11	0♌ 8	29°37	29° 3	19°20	26° 4	26°14	23°52	28°24	21°17	9°44	10°37	18°36	13°28	
S 8	5 22 54	20°40'24	14°20	1♌14	0♌18	19°36	26° 2	26°20	23°53	28°26	21°17	9°R44	10°34	18°43	13°29	
S 9	5 26 51	21°41'36	28°20	2°51	1°33	19°52	26° 0	26°27	23°53	28°28	21°17	9°44	10°31	18°49	13°30	
M10	5 30 48	22°42'49	12°Y 7	4°27	2°48	20° 9	25°59	26°34	23°54	28°31	21°17	9°43	10°28	18°56	13°31	
T 11	5 34 44	23°44'01	25°41	6° 4	4° 3	20°26	25°57	26°40	23°54	28°33	21°18	9°42	10°25	19° 3	13°32	
W12	5 38 41	24°45'13	9♌ 1	7°41	5°19	20°44	25°56	26°47	23°55	28°35	21°18	9°40	10°22	19° 9	13°33	
T 13	5 42 37	25°46'25	22° 8	9°17	6°34	21° 2	25°55	26°53	23°56	28°37	21°18	9°38	10°18	19°16	13°34	
F 14	5 46 34	26°47'36	5♍ 1	10°52	7°49	21°20	25°55	27° 0	23°56	28°40	21°18	9°36	10°15	19°23	13°36	
S 15	5 50 30	27°48'48	17°41	12°27	9° 4	21°39	25°54	27° 6	23°57	28°42	21°19	9°34	10°12	19°29	13°37	
S 16	5 54 27	28°49'59	0♌ 9	14° 2	10°19	21°59	25°54	27°12	23°58	28°44	21°19	9°34	10° 9	19°36	13°38	
M17	5 58 24	29°51'09	12°25	15°35	11°35	22°19	25°D54	27°19	23°59	28°46	21°19	9°D33	10° 6	19°43	13°40	
T 18	6 2 20	0♌52'20	24°31	17° 7	12°50	22°39	25°54	27°25	24° 0	28°49	21°20	9°34	10° 2	19°50	13°41	
W19	6 6 17	1°53'30	6♌28	18°37	14° 5	23° 0	25°54	27°31	24° 1	28°51	21°20	9°34	9°59	19°56	13°43	
T 20	6 10 13	2°54'40	18°20	20° 6	15°20	23°21	25°55	27°38	24° 2	28°53	21°21	9°35	9°56	20° 3	13°45	
F 21	6 14 10	3°55'50	0♍ 9	21°32	16°36	23°42	25°55	27°44	24° 3	28°56	21°21	9°36	9°53	20°10	13°46	
S 22	6 18 6	4°57'00	11°59	22°55	17°51	24° 4	25°56	27°50	24° 4	28°58	21°22	9°36	9°50	20°16	13°48	
S 23	6 22 3	5°58'09	23°56	24°15	19° 6	24°26	25°58	27°56	24° 6	29° 0	21°22	9°37	9°47	20°23	13°50	
M24	6 25 59	6°59'18	6♌ 2	25°31	20°21	24°48	25°59	28° 2	24° 7	29° 2	21°23	9°R37	9°43	20°30	13°52	
T 25	6 29 56	8° 0'27	18°23	26°43	21°36	25°11	26° 0	28° 8	24° 8	29° 5	21°23	9°37	9°40	20°36	13°53	
W26	6 33 53	9° 1'36	1♍ 4	27°49	22°52	25°34	26° 2	28°14	24°10	29° 7	21°24	9°37	9°37	20°43	13°55	
T 27	6 37 49	10° 2'44	14° 7	28°49	24° 7	25°58	26° 4	28°20	24°11	29° 9	21°24	9°D37	9°34	20°50	13°57	
F 28	6 41 46	11° 3'52	27°36	29°42	25°22	26°21	26° 6	28°26	24°12	29°11	21°25	9°37	9°31	20°56	13°59	
S 29	6 45 42	12° 5'00	11♌31	0♌27	26°37	26°45	26° 9	28°32	24°14	29°14	21°25	9°37	9°28	21° 3	14° 1	
S 30	6 49 39	13° 6'07	25°51	1° 3	27°53	27°10	26°11	28°37	24°16	29°16	21°26	9°37	9°24	21°10	14° 3	
M31	6 53 35	14°Z 7'14	10°Z31	1♌30	29♌ 8	27°Y35	26°Y14	28♍43	24°K17	29♌18	21°K27	9°R37	9°Z21	21°Q16	14°K 6	

Delta T = 44m26s

Julian Calendar

created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]