

SWISS EPHEMERIS for the year 1841

JANUARY 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
F 1	6 41 53	10 ^h 29'04"	11 ^h Υ 4	20 ^h ♂54	19 ^h ♁20	15 ^h ♂36	8 ^h ♂16	26 ^h ♂ 2	17 ^h ♁ 1	13 ^h ♁18	17 ^h Υ56	18 ^h R44	20 ^h ♁16	3 ^h ♂51	17 ^h R39	
S 2	6 45 50	11 ^h 30'14"	24 ^h 28	22 ^h 17	20 ^h 33	16 ^h 4	8 ^h 28	26 ^h 9	17 ^h 2	13 ^h 20	17 ^h 56	18 ^h ♁43	20 ^h 13	3 ^h 58	17 ^h ♂34	
S 3	6 49 46	12 ^h 31'23"	8 ^h ♂19	23 ^h 41	21 ^h 45	16 ^h 32	8 ^h 41	26 ^h 16	17 ^h 4	13 ^h 22	17 ^h 56	18 ^h 41	20 ^h 9	4 ^h 5	17 ^h 30	
M 4	6 53 43	13 ^h 32'32"	22 ^h 38	25 ^h 6	22 ^h 57	17 ^h 0	8 ^h 53	26 ^h 22	17 ^h 6	13 ^h 24	17 ^h 56	18 ^h 37	20 ^h 6	4 ^h 11	17 ^h 26	
T 5	6 57 40	14 ^h 33'41"	7 ^h ♁23	26 ^h 31	24 ^h 9	17 ^h 28	9 ^h 5	26 ^h 29	17 ^h 8	13 ^h 26	17 ^h 56	18 ^h 32	20 ^h 3	4 ^h 18	17 ^h 22	
W 6	7 1 36	15 ^h 34'50"	22 ^h 27	27 ^h 57	25 ^h 21	17 ^h 56	9 ^h 17	26 ^h 36	17 ^h 10	13 ^h 29	17 ^h 56	18 ^h 27	20 ^h 0	4 ^h 25	17 ^h 17	
T 7	7 5 33	16 ^h 35'58"	7 ^h ♂42	29 ^h 24	26 ^h 33	18 ^h 24	9 ^h 29	26 ^h 43	17 ^h 12	13 ^h 31	17 ^h 56	18 ^h 22	19 ^h 57	4 ^h 31	17 ^h 13	
F 8	7 9 29	17 ^h 37'06"	22 ^h 58	0 ^h ♂51	27 ^h 45	18 ^h 51	9 ^h 41	26 ^h 50	17 ^h 14	13 ^h 33	17 ^h 57	18 ^h 19	19 ^h 54	4 ^h 38	17 ^h 9	
S 9	7 13 26	18 ^h 38'14"	8 ^h ♁ 3	2 ^h 20	28 ^h 57	19 ^h 18	9 ^h 53	26 ^h 57	17 ^h 16	13 ^h 35	17 ^h 57	18 ^h 17	19 ^h 50	4 ^h 45	17 ^h 4	
S 10	7 17 22	19 ^h 39'21"	22 ^h 51	3 ^h 48	0 ^h ♁ 9	19 ^h 45	10 ^h 5	27 ^h 3	17 ^h 18	13 ^h 37	17 ^h 57	18 ^h D17	19 ^h 47	4 ^h 51	17 ^h 0	
M11	7 21 19	20 ^h 40'28"	7 ^h ♁13	5 ^h 18	1 ^h 20	20 ^h 12	10 ^h 16	27 ^h 10	17 ^h 21	13 ^h 39	17 ^h 57	18 ^h 18	19 ^h 44	4 ^h 58	16 ^h 56	
T 12	7 25 15	21 ^h 41'35"	21 ^h 8	6 ^h 48	2 ^h 32	20 ^h 38	10 ^h 28	27 ^h 17	17 ^h 23	13 ^h 41	17 ^h 57	18 ^h 19	19 ^h 41	5 ^h 5	16 ^h 51	
W13	7 29 12	22 ^h 42'42"	4 ^h ♂35	8 ^h 18	3 ^h 43	21 ^h 4	10 ^h 40	27 ^h 23	17 ^h 25	13 ^h 43	17 ^h 58	18 ^h 21	19 ^h 38	5 ^h 11	16 ^h 47	
T 14	7 33 9	23 ^h 43'48"	17 ^h 37	9 ^h 49	4 ^h 54	21 ^h 30	10 ^h 51	27 ^h 30	17 ^h 27	13 ^h 45	17 ^h 58	18 ^h 22	19 ^h 35	5 ^h 18	16 ^h 43	
F 15	7 37 5	24 ^h 44'55"	0 ^h ♁16	11 ^h 21	6 ^h 6	21 ^h 56	11 ^h 3	27 ^h 36	17 ^h 30	13 ^h 48	17 ^h 58	18 ^h R22	19 ^h 31	5 ^h 25	16 ^h 39	
S 16	7 41 2	25 ^h 46'01"	12 ^h 38	12 ^h 53	7 ^h 17	22 ^h 22	11 ^h 14	27 ^h 43	17 ^h 32	13 ^h 50	17 ^h 58	18 ^h 21	19 ^h 28	5 ^h 31	16 ^h 34	
S 17	7 44 58	26 ^h 47'07"	24 ^h 46	14 ^h 25	8 ^h 28	22 ^h 47	11 ^h 26	27 ^h 50	17 ^h 35	13 ^h 52	17 ^h 59	18 ^h 18	19 ^h 25	5 ^h 38	16 ^h 30	
M18	7 48 55	27 ^h 48'12"	6 ^h ♂44	15 ^h 59	9 ^h 38	23 ^h 12	11 ^h 37	27 ^h 56	17 ^h 37	13 ^h 54	17 ^h 59	18 ^h 16	19 ^h 22	5 ^h 45	16 ^h 26	
T 19	7 52 51	28 ^h 49'17"	18 ^h 36	17 ^h 32	10 ^h 49	23 ^h 37	11 ^h 48	28 ^h 2	17 ^h 40	13 ^h 56	18 ^h 0	18 ^h 12	19 ^h 19	5 ^h 52	16 ^h 22	
W20	7 56 48	29 ^h 50'22"	0 ^h ♂26	19 ^h 7	12 ^h 0	24 ^h 2	11 ^h 59	28 ^h 9	17 ^h 42	13 ^h 59	18 ^h 0	18 ^h 9	19 ^h 15	5 ^h 58	16 ^h 18	
T 21	8 0 44	0 ^h ♁51'26"	12 ^h 15	20 ^h 42	13 ^h 10	24 ^h 26	12 ^h 10	28 ^h 15	17 ^h 45	14 ^h 1	18 ^h 0	18 ^h 6	19 ^h 12	6 ^h 5	16 ^h 14	
F 22	8 4 41	1 ^h 52'29"	2 ^h 6	22 ^h 17	14 ^h 21	24 ^h 50	12 ^h 21	28 ^h 22	17 ^h 47	14 ^h 3	18 ^h 1	18 ^h 4	19 ^h 9	6 ^h 12	16 ^h 10	
S 23	8 8 38	2 ^h 53'31"	6 ^h ♁ 2	23 ^h 53	15 ^h 31	25 ^h 14	12 ^h 32	28 ^h 28	17 ^h 50	14 ^h 5	18 ^h 1	18 ^h 3	19 ^h 6	6 ^h 18	16 ^h 5	
S 24	8 12 34	3 ^h 54'33"	18 ^h 4	25 ^h 30	16 ^h 41	25 ^h 37	12 ^h 42	28 ^h 34	17 ^h 53	14 ^h 8	18 ^h 2	18 ^h D 2	19 ^h 3	6 ^h 25	16 ^h 1	
M25	8 16 31	4 ^h 55'34"	0 ^h ♁14	27 ^h 7	17 ^h 51	26 ^h 0	12 ^h 53	28 ^h 40	17 ^h 55	14 ^h 10	18 ^h 2	18 ^h 3	19 ^h 0	6 ^h 32	15 ^h 57	
T 26	8 20 27	5 ^h 56'33"	12 ^h 33	28 ^h 45	19 ^h 1	26 ^h 23	13 ^h 4	28 ^h 46	17 ^h 58	14 ^h 12	18 ^h 3	18 ^h 3	18 ^h 56	6 ^h 38	15 ^h 53	
W27	8 24 24	6 ^h 57'32"	25 ^h 5	0 ^h ♁24	20 ^h 11	26 ^h 45	13 ^h 14	28 ^h 52	18 ^h 1	14 ^h 14	18 ^h 3	18 ^h 4	18 ^h 53	6 ^h 45	15 ^h 50	
T 28	8 28 20	7 ^h 58'29"	7 ^h Υ50	2 ^h 3	21 ^h 20	27 ^h 8	13 ^h 24	28 ^h 58	18 ^h 4	14 ^h 17	18 ^h 4	18 ^h 6	18 ^h 50	6 ^h 52	15 ^h 46	
F 29	8 32 17	8 ^h 59'25"	20 ^h 53	3 ^h 43	22 ^h 30	27 ^h 29	13 ^h 35	29 ^h 4	18 ^h 6	14 ^h 19	18 ^h 5	18 ^h 6	18 ^h 47	6 ^h 58	15 ^h 42	
S 30	8 36 13	10 ^h 0'20"	4 ^h ♂14	5 ^h 24	23 ^h 39	27 ^h 51	13 ^h 45	29 ^h 10	18 ^h 9	14 ^h 21	18 ^h 5	18 ^h R 7	18 ^h 44	7 ^h 5	15 ^h 38	
S 31	8 40 10	11 ^h ♁ 1'13"	17 ^h ♂57	7 ^h ♁ 5	24 ^h ♁48	28 ^h ♁12	13 ^h ♁55	29 ^h ♁16	18 ^h ♁12	14 ^h ♁23	18 ^h Υ 6	18 ^h ♁ 7	18 ^h ♁41	7 ^h ♂12	15 ^h ♂34	

Delta T = 5.49 sec.

FEBRUARY 1841

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	8 44 7	12 ^h ♁ 2'05"	2 ^h ♁ 0	8 ^h ♁47	25 ^h ♁57	28 ^h ♁33	14 ^h ♁ 5	29 ^h ♁22	18 ^h ♁15	14 ^h ♁26	18 ^h Υ 7	18 ^h R 6	18 ^h ♁37	7 ^h ♂18	15 ^h R31	
T 2	8 48 3	13 ^h 2'56"	16 ^h 25	10 ^h 30	27 ^h 6	28 ^h 54	14 ^h 15	29 ^h 28	18 ^h 18	14 ^h 28	18 ^h 7	18 ^h ♁ 6	18 ^h 34	7 ^h 25	15 ^h ♂27	
W 3	8 52 0	14 ^h 3'45"	1 ^h ♁ 6	12 ^h 14	28 ^h 14	29 ^h 14	14 ^h 24	29 ^h 34	18 ^h 21	14 ^h 30	18 ^h 8	18 ^h 5	18 ^h 31	7 ^h 32	15 ^h 23	
T 4	8 55 56	15 ^h 4'33"	16 ^h 0	13 ^h 58	29 ^h 22	29 ^h 34	14 ^h 34	29 ^h 39	18 ^h 24	14 ^h 33	18 ^h 9	18 ^h 5	18 ^h 28	7 ^h 38	15 ^h 20	
F 5	8 59 53	16 ^h 5'19"	0 ^h ♁58	15 ^h 43	0 ^h Υ31	29 ^h 53	14 ^h 43	29 ^h 45	18 ^h 27	14 ^h 35	18 ^h 9	18 ^h 5	18 ^h 25	7 ^h 45	15 ^h 16	
S 6	9 3 49	17 ^h 6'04"	15 ^h 53	17 ^h 29	1 ^h 39	0 ^h ♁12	14 ^h 53	29 ^h 51	18 ^h 30	14 ^h 37	18 ^h 10	18 ^h D 5	18 ^h 21	7 ^h 52	15 ^h 13	
S 7	9 7 46	18 ^h 6'48"	0 ^h ♁37	19 ^h 16	2 ^h 46	0 ^h 31	15 ^h 2	29 ^h 56	18 ^h 33	14 ^h 39	18 ^h 11	18 ^h R 5	18 ^h 18	7 ^h 58	15 ^h 10	
M 8	9 11 43	19 ^h 7'30"	15 ^h 2	21 ^h 3	3 ^h 54	0 ^h 49	15 ^h 11	0 ^h ♂ 1	18 ^h 36	14 ^h 42	18 ^h 12	18 ^h 5	18 ^h 15	8 ^h 5	15 ^h 6	
T 9	9 15 39	20 ^h 8'11"	29 ^h 4	22 ^h 51	5 ^h 1	1 ^h 7	15 ^h 20	0 ^h 7	18 ^h 39	14 ^h 44	18 ^h 13	18 ^h 5	18 ^h 12	8 ^h 12	15 ^h 3	
W10	9 19 36	21 ^h 8'51"	12 ^h ♁41	24 ^h 39	6 ^h 8	1 ^h 24	15 ^h 29	0 ^h 12	18 ^h 42	14 ^h 46	18 ^h 13	18 ^h 4	18 ^h 9	8 ^h 19	15 ^h 0	
T 11	9 23 32	22 ^h 9'30"	25 ^h 51	26 ^h 29	7 ^h 15	1 ^h 41	15 ^h 38	0 ^h 17	18 ^h 45	14 ^h 49	18 ^h 14	18 ^h 4	18 ^h 6	8 ^h 25	14 ^h 57	
F 12	9 27 29	23 ^h 10'08"	8 ^h ♁38	28 ^h 19	8 ^h 22	1 ^h 58	15 ^h 47	0 ^h 23	18 ^h 49	14 ^h 51	18 ^h 15	18 ^h 3	18 ^h 2	8 ^h 32	14 ^h 54	
S 13	9 31 25	24 ^h 10'44"	21 ^h 4	0 ^h ♁ 9	9 ^h 28	2 ^h 14	15 ^h 55	0 ^h 28	18 ^h 52	14 ^h 53	18 ^h 16	18 ^h D 3	17 ^h 59	8 ^h 39	14 ^h 51	
S 14	9 35 22	25 ^h 11'19"	3 ^h ♁14	2 ^h 0	10 ^h 35	2 ^h 30	16 ^h 4	0 ^h 33	18 ^h 55	14 ^h 55	18 ^h 17	18 ^h 3	17 ^h 56	8 ^h 45	14 ^h 48	
M15	9 39 18	26 ^h 11'54"	15 ^h 12	3 ^h 51	11 ^h 41	2 ^h 45	16 ^h 12	0 ^h 38	18 ^h 58	14 ^h 58	18 ^h 18	18 ^h 4	17 ^h 53	8 ^h 52	14 ^h 45	
T 16	9 43 15	27 ^h 12'26"	27 ^h 3	5 ^h 42	12 ^h 46	3 ^h 0	16 ^h 20	0 ^h 43	19 ^h 1	15 ^h 0	18 ^h 19					

SWISS EPHEMERIS for the year 1841

MARCH 1841

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	10 34 30	10X17'08	12II26	27X51	26Y34	5M24	17A54	1Z40	19X45	15A28	18Y33	17A54	17A 8	10Z25	14R15
T 2	10 38 27	11°17'16	26°35	29° 9	27°35	5°31	18° 1	1°44	19°48	15°30	18°34	17°54	17° 5	10°32	14E13
W 3	10 42 23	12°17'22	10E55	0Y21	28°36	5°37	18° 7	1°48	19°52	15°32	18°35	17°55	17° 2	10°39	14°12
T 4	10 46 20	13°17'26	25°22	1°26	29°36	5°43	18°13	1°51	19°55	15°34	18°36	17°57	16°59	10°45	14°11
F 5	10 50 16	14°17'28	9Ω53	2°24	0B36	5°48	18°18	1°55	19°58	15°37	18°37	17°58	16°56	10°52	14° 9
S 6	10 54 13	15°17'28	24°23	3°14	1°36	5°52	18°24	1°59	20° 2	15°39	18°38	17°R58	16°52	10°59	14° 8
S 7	10 58 9	16°17'26	8M47	3°56	2°35	5°56	18°29	2° 2	20° 5	15°41	18°40	17°57	16°49	11° 5	14° 7
M 8	11 2 6	17°17'21	22°58	4°30	3°33	5°59	18°35	2° 5	20° 9	15°43	18°41	17°54	16°46	11°12	14° 6
T 9	11 6 3	18°17'15	6A53	4°55	4°32	6° 1	18°40	2° 9	20°12	15°45	18°42	17°50	16°43	11°19	14° 5
W10	11 9 59	19°17'07	20°28	5°11	5°29	6° 3	18°45	2°12	20°15	15°47	18°43	17°45	16°40	11°25	14° 4
T11	11 13 56	20°16'57	3M40	5°R18	6°26	6° 4	18°49	2°15	20°19	15°49	18°45	17°39	16°37	11°32	14° 4
F12	11 17 52	21°16'46	16°30	5°17	7°23	6°R 4	18°54	2°18	20°22	15°51	18°46	17°35	16°33	11°39	14° 3
S13	11 21 49	22°16'32	29° 0	5° 7	8°19	6° 4	18°59	2°21	20°26	15°52	18°47	17°31	16°30	11°45	14° 3
S14	11 25 45	23°16'17	11A13	4°50	9°14	6° 2	19° 3	2°24	20°29	15°54	18°48	17°28	16°27	11°52	14° 2
M15	11 29 42	24°16'01	23°13	4°24	10° 9	6° 0	19° 7	2°27	20°33	15°56	18°50	17°D27	16°24	11°59	14° 2
T16	11 33 38	25°15'42	5Z 5	3°52	11° 3	5°57	19°11	2°29	20°36	15°58	18°51	17°28	16°21	12° 5	14° 2
W17	11 37 35	26°15'22	16°54	3°14	11°57	5°54	19°15	2°32	20°39	16° 0	18°52	17°29	16°18	12°12	14° 2
T18	11 41 32	27°15'00	28°45	2°30	12°50	5°49	19°18	2°34	20°43	16° 2	18°54	17°31	16°14	12°19	14°D 2
F19	11 45 28	28°14'36	10A43	1°43	13°42	5°44	19°22	2°37	20°46	16° 4	18°55	17°32	16°11	12°25	14° 2
S20	11 49 25	29°14'11	22°52	0°52	14°33	5°38	19°25	2°39	20°50	16° 5	18°56	17°R32	16° 8	12°32	14° 2
S21	11 53 21	0Y13'43	5X16	29X59	15°24	5°32	19°28	2°41	20°53	16° 7	18°58	17°31	16° 5	12°39	14° 2
M22	11 57 18	1°13'13	17°56	29° 5	16°14	5°24	19°31	2°43	20°57	16° 9	18°59	17°27	16° 2	12°45	14° 2
T23	12 1 14	2°12'42	0Y54	28°12	17° 4	5°16	19°33	2°45	21° 0	16°11	19° 0	17°21	15°58	12°52	14° 3
W24	12 5 11	3°12'08	14° 9	27°20	17°52	5° 7	19°36	2°47	21° 3	16°12	19° 2	17°14	15°55	12°59	14° 3
T25	12 9 7	4°11'33	27°39	26°31	18°40	4°57	19°38	2°49	21° 7	16°14	19° 3	17° 6	15°52	13° 5	14° 4
F26	12 13 4	5°10'55	11B23	25°44	19°26	4°47	19°40	2°51	21°10	16°16	19° 5	16°58	15°49	13°12	14° 5
S27	12 17 1	6°10'15	25°17	25° 2	20°12	4°35	19°42	2°52	21°13	16°17	19° 6	16°51	15°46	13°19	14° 6
S28	12 20 57	7° 9'33	9II17	24°23	20°57	4°23	19°44	2°54	21°17	16°19	19° 7	16°46	15°43	13°25	14° 7
M29	12 24 54	8° 8'48	23°23	23°50	21°41	4°11	19°46	2°55	21°20	16°21	19° 9	16°43	15°39	13°32	14° 8
T30	12 28 50	9° 8'02	7E30	23°22	22°24	3°57	19°47	2°57	21°23	16°22	19°10	16°D42	15°36	13°39	14° 9
W31	12 32 47	10Y 7'13	21E38	23X 0	23B 5	3M43	19A48	2Z58	21X27	16A24	19Y12	16A42	15A33	13Z45	14E10

Delta T = 5.50 sec.

APRIL 1841

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 36 43	11Y 6'21	5Ω46	22R43	23B46	3R28	19A49	2Z59	21X30	16A25	19Y13	16A43	15A30	13Z52	14E11
F 2	12 40 40	12° 5'27	19°52	22X32	24°26	3M13	19°50	3° 0	21°33	16°27	19°14	16°R43	15°27	13°59	14°13
S 3	12 44 36	13° 4'31	3M55	22°26	25° 4	2°56	19°51	3° 1	21°36	16°28	19°16	16°42	15°24	14° 5	14°14
S 4	12 48 33	14° 3'32	17°51	22°D26	25°41	2°40	19°51	3° 2	21°40	16°30	19°17	16°38	15°20	14°12	14°16
M 5	12 52 30	15° 2'31	1A39	22°32	26°16	2°22	19°52	3° 3	21°43	16°31	19°19	16°32	15°17	14°19	14°18
T 6	12 56 26	16° 1'28	15°14	22°42	26°51	2° 4	19°R52	3° 3	21°46	16°32	19°20	16°24	15°14	14°25	14°19
W 7	13 0 23	17° 0'23	28°34	22°58	27°24	1°46	19°52	3° 4	21°49	16°34	19°21	16°14	15°11	14°32	14°21
T 8	13 4 19	17°59'16	11M38	23°19	27°55	1°26	19°51	3° 4	21°52	16°35	19°23	16° 3	15° 8	14°39	14°23
F 9	13 8 16	18°58'08	24°23	23°44	28°25	1° 7	19°51	3° 5	21°56	16°36	19°24	15°52	15° 4	14°45	14°25
S10	13 12 12	19°56'57	6A51	24°13	28°54	0°47	19°50	3° 5	21°59	16°38	19°26	15°43	15° 1	14°52	14°27
S11	13 16 9	20°55'45	19° 3	24°47	29°20	0°26	19°49	3° 5	22° 2	16°39	19°27	15°36	14°58	14°59	14°30
M12	13 20 5	21°54'31	1Z 3	25°25	29°46	0° 5	19°48	3°R 5	22° 5	16°40	19°29	15°32	14°55	15° 5	14°32
T13	13 24 2	22°53'15	12°55	26° 7	0II 9	29A44	19°47	3° 5	22° 8	16°41	19°30	15°30	14°52	15°12	14°34
W14	13 27 59	23°51'57	24°44	26°52	0°31	29°22	19°46	3° 5	22°11	16°42	19°31	15°D29	14°49	15°19	14°37
T15	13 31 55	24°50'38	6A35	27°41	0°50	29° 1	19°44	3° 5	22°14	16°44	19°33	15°29	14°45	15°25	14°40
F16	13 35 52	25°49'17	18°35	28°33	1° 8	28°38	19°42	3° 4	22°17	16°45	19°34	15°R30	14°42	15°32	14°42
S17	13 39 48	26°47'54	0X47	29°28	1°24	28°16	19°41	3° 4	22°20	16°46	19°36	15°28	14°39	15°39	14°45
S18	13 43 45	27°46'30	13°16	0Y26	1°38	27°54	19°38	3° 3	22°23	16°47	19°37	15°25	14°36	15°45	14°48
M19	13 47 41	28°45'04	26° 6	1°27	1°50	27°31	19°36	3° 3	22°26	16°48	19°38	15°20	14°33	15°52	14°51
T20	13 51 38	29°43'36	9Y19	2°31	1°59	27° 8	19°34	3° 2	22°29	16°49	19°40	15°11	14°29	15°59	14°54
W21	13 55 34	0B42'06	22°54	3°37	2° 7	26°46	19°31	3° 1	22°32	16°50	19°41	15° 1	14°26	16° 5	14°57
T22	13 59 31	1°40'34	6B49	4°46	2°12	26°23	19°28	3° 0	22°35	16°51	19°43	14°50	14°23	16°12	15° 0
F23	14 3 27	2°39'01	21° 0	5°57	2°15	26° 0	19°25	2°59	22°37	16°52	19°44	14°38	14°20	16°19	15° 3
S24	14 7 24	3°37'26	5II20	7°11	2°R15	25°38	19°22	2°58	22°40	16°52	19°45	14°28	14°17	16°25	15° 7
S25	14 11 21	4°35'48	19°45	8°27	2°13	25°16	19°18	2°57	22°43	16°53	19°47	14°20	14°14	16°32	15°10
M26	14 15 17	5°34'09	4E 9	9°45	2° 9	24°53	19°15	2°55	22°46	16°54	19°48	14°14	14°10	16°39	15°14
T27	14 19 14	6°32'28	18°27	11° 6	2° 2	24°32	19°11	2°54	22°48	16°55	19°49	14°11	14° 7	16°45	15°17
W28	14 23 10	7°30'44	2Ω37	12°28	1°53	24°10	19° 7	2°53	22°51	16°56	19°51	14°11	14° 4	16°52	15°21
T29	14 27 7	8°28'59	16°38	13°53	1°41	23°49	19° 3	2°51	22°54	16°56	19°52	14°11	14° 1	16°59	15°25
F30	14 31 3	9B27'11	0M30	15Y20	1II27	23A28	18A59	2Z49	22X56	16A57	19Y54	14A10	13A58	17Z 5	15E28

Delta T = 5.51 sec.

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SWISS EPHEMERIS for the year 1841

JULY 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 35 30	8 ^h 54'59"	8 ^h 22'	4 ^h 43'	25 ^h 53'	24 ^h 26'	12 ^h R 1	29 ^h R 6	24 ^h R20	16 ^h R36	20 ^h Y53	9 ^h R20	10 ^h 41'	23 ^h 58'	21 ^h 16'
F 2	18 39 27	9 ^h 52'10"	20 ^h 27'	5 ^h 36'	26 ^h 36'	24 ^h 47'	11 ^h 55'	29 ^h 1	24 ^h 20	16 ^h 35'	20 ^h 54'	9 ^h 15'	10 ^h 38'	24 ^h 5	21 ^h 23'
S 3	18 43 23	10 ^h 49'20"	2 ^h 25'	6 ^h 26'	27 ^h 19'	25 ^h 8'	11 ^h 49'	28 ^h 57'	24 ^h 20	16 ^h 34'	20 ^h 54'	9 ^h 10'	10 ^h 34'	24 ^h 11'	21 ^h 30'
S 4	18 47 20	11 ^h 46'31"	14 ^h 17'	7 ^h 11'	28 ^h 3	25 ^h 30'	11 ^h 43'	28 ^h 53'	24 ^h 19'	16 ^h 33'	20 ^h 54'	9 ^h 7'	10 ^h 31'	24 ^h 18'	21 ^h 36'
M 5	18 51 16	12 ^h 43'41"	26 ^h 6'	7 ^h 54'	28 ^h 48'	25 ^h 53'	11 ^h 38'	28 ^h 49'	24 ^h 19'	16 ^h 31'	20 ^h 55'	9 ^h 5'	10 ^h 28'	24 ^h 25'	21 ^h 43'
T 6	18 55 13	13 ^h 40'52"	7 ^h 53'	8 ^h 32'	29 ^h 33'	26 ^h 15'	11 ^h 32'	28 ^h 44'	24 ^h 19'	16 ^h 30'	20 ^h 55'	9 ^h D 4	10 ^h 25'	24 ^h 31'	21 ^h 50'
W 7	18 59 9	14 ^h 38'03"	19 ^h 42'	9 ^h 7'	0 ^h II20	26 ^h 38'	11 ^h 27'	28 ^h 40'	24 ^h 19'	16 ^h 29'	20 ^h 55'	9 ^h 5'	10 ^h 22'	24 ^h 38'	21 ^h 57'
T 8	19 3 6	15 ^h 35'14"	1 ^h 36'	9 ^h 37'	1 ^h 7'	27 ^h 2	11 ^h 22'	28 ^h 36'	24 ^h 18'	16 ^h 28'	20 ^h 56'	9 ^h 6'	10 ^h 19'	24 ^h 45'	22 ^h 4
F 9	19 7 2	16 ^h 32'25"	13 ^h 37'	10 ^h 3	1 ^h 56'	27 ^h 26'	11 ^h 16'	28 ^h 32'	24 ^h 18'	16 ^h 26'	20 ^h 56'	9 ^h 8'	10 ^h 15'	24 ^h 51'	22 ^h 10'
S 10	19 10 59	17 ^h 29'37"	25 ^h 50'	10 ^h 25'	2 ^h 45'	27 ^h 50'	11 ^h 11'	28 ^h 28'	24 ^h 17'	16 ^h 25'	20 ^h 56'	9 ^h 9'	10 ^h 12'	24 ^h 58'	22 ^h 17'
S 11	19 14 56	18 ^h 26'50"	8 ^h Y20	10 ^h 42'	3 ^h 34'	28 ^h 15'	11 ^h 7'	28 ^h 24'	24 ^h 17'	16 ^h 23'	20 ^h 56'	9 ^h 10'	10 ^h 9'	25 ^h 5	22 ^h 24'
M12	19 18 52	19 ^h 24'03"	21 ^h 9'	10 ^h 55'	4 ^h 24'	28 ^h 40'	11 ^h 2	28 ^h 20'	24 ^h 16'	16 ^h 22'	20 ^h 57'	9 ^h R10	10 ^h 6'	25 ^h 11'	22 ^h 31'
T 13	19 22 49	20 ^h 21'16"	4 ^h B22	11 ^h 3	5 ^h 15'	29 ^h 6'	10 ^h 58'	28 ^h 16'	24 ^h 16'	16 ^h 21'	20 ^h 57'	9 ^h 10'	10 ^h 3	25 ^h 18'	22 ^h 38'
W14	19 26 45	21 ^h 18'31"	18 ^h 2	11 ^h R 6	6 ^h 7'	29 ^h 32'	10 ^h 53'	28 ^h 12'	24 ^h 15'	16 ^h 19'	20 ^h 57'	9 ^h 9'	9 ^h 59'	25 ^h 24'	22 ^h 45'
T 15	19 30 42	22 ^h 15'46"	2 ^h II 9	11 ^h 5	6 ^h 59'	29 ^h 58'	10 ^h 49'	28 ^h 8'	24 ^h 14'	16 ^h 18'	20 ^h 57'	9 ^h 7'	9 ^h 56'	25 ^h 31'	22 ^h 52'
F 16	19 34 38	23 ^h 13'01"	16 ^h 41'	10 ^h 59'	7 ^h 52'	0 ^h III25	10 ^h 45'	28 ^h 4	24 ^h 13'	16 ^h 16'	20 ^h 57'	9 ^h 5	9 ^h 53'	25 ^h 38'	22 ^h 59'
S 17	19 38 35	24 ^h 10'18"	1 ^h 34	10 ^h 47'	8 ^h 46'	0 ^h 52'	10 ^h 41'	28 ^h 1	24 ^h 13'	16 ^h 15'	20 ^h 57'	9 ^h 3	9 ^h 50'	25 ^h 44'	23 ^h 5
S 18	19 42 31	25 ^h 7'35"	16 ^h 41'	10 ^h 31'	9 ^h 39'	1 ^h 19'	10 ^h 37'	27 ^h 57'	24 ^h 12'	16 ^h 13'	20 ^h 58'	9 ^h 2	9 ^h 47'	25 ^h 51'	23 ^h 12'
M19	19 46 28	26 ^h 4'52"	1 ^h Ω53	10 ^h 11'	10 ^h 34'	1 ^h 46'	10 ^h 34'	27 ^h 53'	24 ^h 11'	16 ^h 12'	20 ^h 58'	9 ^h D 1	9 ^h 44'	25 ^h 58'	23 ^h 19'
T 20	19 50 25	27 ^h 2'10"	17 ^h 0	9 ^h 46'	11 ^h 29'	2 ^h 14'	10 ^h 31'	27 ^h 50'	24 ^h 10'	16 ^h 10'	20 ^h 58'	9 ^h 1	9 ^h 40'	26 ^h 4	23 ^h 26'
W21	19 54 21	27 ^h 59'28"	1 ^h η53	9 ^h 17'	12 ^h 24'	2 ^h 43'	10 ^h 27'	27 ^h 46'	24 ^h 9'	16 ^h 9'	20 ^h R58	9 ^h 1	9 ^h 37'	26 ^h 11'	23 ^h 33'
T 22	19 58 18	28 ^h 56'47"	17 ^h 27'	8 ^h 44'	13 ^h 20'	3 ^h 11'	10 ^h 24'	27 ^h 43'	24 ^h 8'	16 ^h 7'	20 ^h 58'	9 ^h 2	9 ^h 34'	26 ^h 18'	23 ^h 40'
F 23	20 2 14	29 ^h 54'06"	0 ^h Ω36	8 ^h 7'	14 ^h 17'	3 ^h 40'	10 ^h 22'	27 ^h 39'	24 ^h 7'	16 ^h 6'	20 ^h 58'	9 ^h 3	9 ^h 31'	26 ^h 24'	23 ^h 47'
S 24	20 6 11	0 ^h Ω51'25"	14 ^h 19'	7 ^h 28'	15 ^h 14'	4 ^h 9'	10 ^h 19'	27 ^h 36'	24 ^h 6'	16 ^h 4	20 ^h 58'	9 ^h 4	9 ^h 28'	26 ^h 31'	23 ^h 54'
S 25	20 10 7	1 ^h 48'45"	27 ^h 37'	6 ^h 47'	16 ^h 11'	4 ^h 39'	10 ^h 17'	27 ^h 33'	24 ^h 5	16 ^h 3	20 ^h 58'	9 ^h R 4	9 ^h 25'	26 ^h 38'	24 ^h 0
M26	20 14 4	2 ^h 46'05"	10 ^h III31	6 ^h 4	17 ^h 9'	5 ^h 9'	10 ^h 14'	27 ^h 30'	24 ^h 3	16 ^h 1	20 ^h 57'	9 ^h 4	9 ^h 21'	26 ^h 44'	24 ^h 7
T 27	20 18 0	3 ^h 43'26"	23 ^h 6'	5 ^h 20'	18 ^h 7'	5 ^h 39'	10 ^h 12'	27 ^h 27'	24 ^h 2	15 ^h 59'	20 ^h 57'	9 ^h 4	9 ^h 18'	26 ^h 51'	24 ^h 14'
W28	20 21 57	4 ^h 40'48"	5 ^h 25	4 ^h 35'	19 ^h 5	6 ^h 9'	10 ^h 10'	27 ^h 23'	24 ^h 1	15 ^h 58'	20 ^h 57'	9 ^h 3	9 ^h 15'	26 ^h 58'	24 ^h 21'
T 29	20 25 54	5 ^h 38'10"	17 ^h 31'	3 ^h 52'	20 ^h 4	6 ^h 40'	10 ^h 9'	27 ^h 20'	23 ^h 59'	15 ^h 56'	20 ^h 57'	9 ^h 3	9 ^h 12'	27 ^h 4	24 ^h 28'
F 30	20 29 50	6 ^h 35'32"	29 ^h 28'	3 ^h 10'	21 ^h 3	7 ^h 11'	10 ^h 7'	27 ^h 18'	23 ^h 58'	15 ^h 55'	20 ^h 57'	9 ^h 2	9 ^h 9'	27 ^h 11'	24 ^h 35'
S 31	20 33 47	7 ^h Ω32'56"	11 ^h 319	2 ^h Ω30	22 ^h II 3	7 ^h III42	10 ^h 5	27 ^h 15	23 ^h 57	15 ^h 53	20 ^h Y57	9 ^h 2	9 ^h 5	27 ^h 17	24 ^h 42

Delta T = 5.53 sec.

AUGUST 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 37 43	8 ^h Ω30'20"	23 ^h 3 7	1 ^h R54	23 ^h II 3	8 ^h III14	10 ^h R 4	27 ^h R12	23 ^h R55	15 ^h R51	20 ^h R56	9 ^h R 2	9 ^h 2	27 ^h 24	24 ^h 48
M 2	20 41 40	9 ^h 27'45"	4 ^h 55	1 ^h Ω21	24 ^h 3	8 ^h 45	10 ^h 3	27 ^h 9	23 ^h 54	15 ^h 50	20 ^h Y56	9 ^h 2	8 ^h 59	27 ^h 31	24 ^h 55
T 3	20 45 36	10 ^h 25'11"	16 ^h 46	0 ^h 53	25 ^h 4	9 ^h 17	10 ^h 3	27 ^h 7	23 ^h 52	15 ^h 48	20 ^h 56	9 ^h 2	8 ^h 56	27 ^h 37	25 ^h 2
W 4	20 49 33	11 ^h 22'38"	28 ^h 40	0 ^h 29	26 ^h 5	9 ^h 49	10 ^h 2	27 ^h 4	23 ^h 51	15 ^h 47	20 ^h 56	9 ^h 2	8 ^h 53	27 ^h 44	25 ^h 9
T 5	20 53 29	12 ^h 20'05"	10 ^h 41	0 ^h 12	27 ^h 6	10 ^h 22	10 ^h 1	27 ^h 2	23 ^h 49	15 ^h 45	20 ^h 55	9 ^h 2	8 ^h 50	27 ^h 51	25 ^h 15
F 6	20 57 26	13 ^h 17'34"	22 ^h 51	0 ^h 0	28 ^h 8	10 ^h 55	10 ^h 1	26 ^h 59	23 ^h 48	15 ^h 43	20 ^h 55	9 ^h 1	8 ^h 46	27 ^h 57	25 ^h 22
S 7	21 1 23	14 ^h 15'05"	5 ^h Y12	29 ^h D54	29 ^h 10	11 ^h 28	10 ^h D 1	26 ^h 57	23 ^h 46	15 ^h 42	20 ^h 55	9 ^h 1	8 ^h 43	28 ^h 4	25 ^h 29
S 8	21 5 19	15 ^h 12'36"	17 ^h 47	29 ^h 56	0 ^h Ω12	12 ^h 1	10 ^h 1	26 ^h 55	23 ^h 44	15 ^h 40	20 ^h 54	9 ^h 0	8 ^h 40	28 ^h 11	25 ^h 35
M 9	21 9 16	16 ^h 10'09"	0 ^h B39	0 ^h Ω 4	1 ^h 15	12 ^h 34	10 ^h 2	26 ^h 53	23 ^h 42	15 ^h 38	20 ^h 54	8 ^h 59	8 ^h 37	28 ^h 17	25 ^h 42
T 10	21 13 12	17 ^h 7'44"	13 ^h 51	0 ^h 19	2 ^h 17	13 ^h 8	10 ^h 2	26 ^h 51	23 ^h 41	15 ^h 37	20 ^h 54	8 ^h D59	8 ^h 34	28 ^h 24	25 ^h 49
W11	21 17 9	18 ^h 5'20"	27 ^h 24	0 ^h 41	3 ^h 20	13 ^h 42	10 ^h 3	26 ^h 49	23 ^h 39	15 ^h 35	20 ^h 53	8 ^h 59	8 ^h 31	28 ^h 31	25 ^h 55
T 12	21 21 5	19 ^h 2'57"	11 ^h II20	1 ^h 10	4 ^h 24	14 ^h 16	10 ^h 3	26 ^h 47	23 ^h 37	15 ^h 34	20 ^h 53	9 ^h 0	8 ^h 27	28 ^h 37	26 ^h 2
F 13	21 25 2	20 ^h 0'37"	25 ^h 38	1 ^h 47	5 ^h 27	14 ^h 50	10 ^h 5	26 ^h 45	23 ^h 35	15 ^h 32	20 ^h 52	9 ^h 1	8 ^h 24	28 ^h 44	26 ^h 9
S 14	21 28 58	20 ^h 58'17"	10 ^h 317	2 ^h 30	6 ^h 31	15 ^h 24	10 ^h 6	26 ^h 43	23 ^h 33	15 ^h 30	20 ^h 52	9 ^h 1	8 ^h 21	28 ^h 51	26 ^h 15
S 15	21 32 55	21 ^h 56'00"	25 ^h 11	3 ^h 20	7 ^h 35	15 ^h 59	10 ^h 7	26 ^h 42	23 ^h 31	15 ^h 29	20 ^h 51	9 ^h 2	8 ^h 18	28 ^h 57	26 ^h 22
M16	21 36 52	22 ^h 53'43"	10 ^h Ω14	4 ^h 17	8 ^h 40	16 ^h 34	10 ^h 9	26 ^h 40	23 ^h 29	15 ^h 27	20 ^h 51	9 ^h R 2	8 ^h 15	29 ^h 4	26 ^h 28
T 17	21 40 48	23 ^h 51'28"	25 ^h 17	5 ^h 20	9 ^h 44	17 ^h 9	10 ^h 10	26 ^h 39	23 ^h 28	15 ^h 25	20 ^h 50	9 ^h			

SWISS EPHEMERIS for the year 1841

SEPTEMBER 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
W 1	22 39 56	8♍20'17	7♄37	0♍11	26♁17	26♍20	10♃58	26♁29	22°R55	15°R 2	20°R40	8°R53	7♃24	0♃50	28♁ 7
T 2	22 43 53	9°18'24	19°50	2° 8	27°25	26°58	11° 3	26°29	22°K53	15♁ 1	20°V39	8♁49	7°21	0°57	28°13
F 3	22 47 50	10°16'32	2°V14	4° 4	28°33	27°36	11° 8	26°29	22°50	14°59	20°39	8°45	7°17	1° 3	28°19
S 4	22 51 46	11°14'42	14°51	6° 1	29°41	28°14	11°12	26°29	22°48	14°58	20°38	8°39	7°14	1°10	28°25
S 5	22 55 43	12°12'54	27°40	7°57	0♎49	28°53	11°18	26°30	22°46	14°56	20°37	8°34	7°11	1°17	28°30
M 6	22 59 39	13°11'09	10♄43	9°53	1°57	29°31	11°23	26°30	22°43	14°55	20°36	8°29	7° 8	1°23	28°36
T 7	23 3 36	14° 9'25	24° 0	11°48	3° 6	0♃10	11°28	26°31	22°41	14°54	20°35	8°26	7° 5	1°30	28°42
W 8	23 7 32	15° 7'43	7♄33	13°43	4°14	0°49	11°34	26°32	22°39	14°52	20°34	8°24	7° 2	1°37	28°47
T 9	23 11 29	16° 6'04	21°22	15°36	5°23	1°28	11°39	26°32	22°36	14°51	20°33	8°D24	6°58	1°43	28°53
F 10	23 15 25	17° 4'27	5♁27	17°29	6°32	2° 8	11°45	26°33	22°34	14°50	20°32	8°25	6°55	1°50	28°58
S 11	23 19 22	18° 2'52	19°47	19°21	7°41	2°47	11°51	26°34	22°32	14°48	20°31	8°26	6°52	1°57	29° 4
S 12	23 23 19	19° 1'19	4♎20	21°12	8°50	3°27	11°57	26°35	22°29	14°47	20°31	8°R27	6°49	2° 3	29° 9
M 13	23 27 15	19°59'48	19° 2	23° 2	10° 0	4° 6	12° 4	26°37	22°27	14°46	20°30	8°27	6°46	2°10	29°14
T 14	23 31 12	20°58'19	3♍48	24°50	11° 9	4°46	12°10	26°38	22°24	14°45	20°29	8°25	6°42	2°17	29°19
W 15	23 35 8	21°56'52	18°31	26°38	12°19	5°26	12°17	26°39	22°22	14°43	20°28	8°20	6°39	2°23	29°25
T 16	23 39 5	22°55'27	3♁ 2	28°25	13°29	6° 7	12°23	26°41	22°20	14°42	20°27	8°14	6°36	2°30	29°30
F 17	23 43 1	23°54'03	17°17	0♎10	14°38	6°47	12°30	26°42	22°17	14°41	20°26	8° 7	6°33	2°36	29°35
S 18	23 46 58	24°52'42	1♍ 8	1°55	15°48	7°27	12°37	26°44	22°15	14°40	20°25	8° 0	6°30	2°43	29°40
S 19	23 50 54	25°51'23	14°35	3°38	16°59	8° 8	12°45	26°46	22°12	14°39	20°24	7°53	6°27	2°50	29°45
M 20	23 54 51	26°50'05	27°36	5°21	18° 9	8°49	12°52	26°48	22°10	14°38	20°23	7°47	6°23	2°56	29°49
T 21	23 58 48	27°48'49	10♃14	7° 3	19°19	9°29	12°59	26°49	22° 8	14°36	20°21	7°43	6°20	3° 3	29°54
W 22	0 2 44	28°47'35	22°32	8°43	20°30	10°10	13° 7	26°51	22° 5	14°35	20°20	7°42	6°17	3°10	29°59
T 23	0 6 41	29°46'22	4♁35	10°23	21°40	10°51	13°15	26°54	22° 3	14°34	20°19	7°D41	6°14	3°16	0♎ 4
F 24	0 10 37	0♎45'11	16°27	12° 2	22°51	11°33	13°23	26°56	22° 0	14°33	20°18	7°42	6°11	3°23	0° 8
S 25	0 14 34	1°44'02	28°15	13°39	24° 2	12°14	13°31	26°58	21°58	14°32	20°17	7°43	6° 8	3°30	0°13
S 26	0 18 30	2°42'55	10♁ 4	15°16	25°13	12°55	13°39	27° 1	21°56	14°31	20°16	7°R44	6° 4	3°36	0°17
M 27	0 22 27	3°41'50	21°57	16°52	26°24	13°37	13°47	27° 3	21°53	14°30	20°15	7°43	6° 1	3°43	0°22
T 28	0 26 23	4°40'46	4♁ 0	18°27	27°35	14°18	13°55	27° 6	21°51	14°30	20°14	7°39	5°58	3°50	0°26
W 29	0 30 20	5°39'44	16°14	20° 1	28°46	15° 0	14° 4	27° 8	21°49	14°29	20°13	7°33	5°55	3°56	0°30
T 30	0 34 16	6°38'44	28♄42	21♁35	29♎58	15♃42	14♃12	27♁11	21♄46	14♁28	20°V12	7♁25	5♁52	4♁ 3	0♎34

Delta T = 5.55 sec.

OCTOBER 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	0 38 13	7♁37'46	11°V25	23♁ 7	1♍ 9	16♃24	14♃21	27♁14	21°R44	14°R27	20°R11	7°R15	5♁48	4♁10	0♎38
S 2	0 42 10	8°36'50	24°22	24°39	2°21	17° 6	14°30	27°17	21°K42	14♁26	20°V10	7♁ 5	5°45	4°16	0°42
S 3	0 46 6	9°35'57	7♄33	26°10	3°32	17°48	14°39	27°20	21°40	14°25	20° 8	6°54	5°42	4°23	0°46
M 4	0 50 3	10°35'05	20°56	27°40	4°44	18°31	14°48	27°23	21°37	14°25	20° 7	6°44	5°39	4°29	0°50
T 5	0 53 59	11°34'16	4♄29	29° 9	5°56	19°13	14°58	27°26	21°35	14°24	20° 6	6°37	5°36	4°36	0°54
W 6	0 57 56	12°33'29	18°12	0♍37	7° 8	19°56	15° 7	27°30	21°33	14°23	20° 5	6°32	5°33	4°43	0°58
T 7	1 1 52	13°32'45	2♁ 4	2° 5	8°20	20°38	15°16	27°33	21°31	14°23	20° 4	6°30	5°29	4°49	1° 1
F 8	1 5 49	14°32'03	16° 4	3°32	9°32	21°21	15°26	27°36	21°29	14°22	20° 3	6°D29	5°26	4°56	1° 5
S 9	1 9 45	15°31'23	0♎11	4°57	10°45	22° 4	15°36	27°40	21°26	14°21	20° 2	6°R29	5°23	5° 3	1° 8
S 10	1 13 42	16°30'46	14°24	6°22	11°57	22°47	15°45	27°44	21°24	14°21	20° 0	6°29	5°20	5° 9	1°12
M 11	1 17 39	17°30'10	28°43	7°46	13° 9	23°30	15°55	27°47	21°22	14°20	19°59	6°28	5°17	5°16	1°15
T 12	1 21 35	18°29'38	13♍ 4	9°10	14°22	24°13	16° 5	27°51	21°20	14°20	19°58	6°23	5°14	5°23	1°18
W 13	1 25 32	19°29'07	27°22	10°32	15°34	24°56	16°15	27°55	21°18	14°19	19°57	6°16	5°10	5°29	1°21
T 14	1 29 28	20°28'38	11♁33	11°53	16°47	25°39	16°26	27°59	21°16	14°19	19°56	6° 6	5° 7	5°36	1°24
F 15	1 33 25	21°28'12	25°32	13°13	18° 0	26°23	16°36	28° 3	21°14	14°19	19°55	5°55	5° 4	5°43	1°27
S 16	1 37 21	22°27'47	9♍13	14°32	19°13	27° 6	16°46	28° 7	21°12	14°18	19°54	5°42	5° 1	5°49	1°30
S 17	1 41 18	23°27'25	22°33	15°50	20°26	27°50	16°57	28°11	21°10	14°18	19°52	5°31	4°58	5°56	1°33
M 18	1 45 14	24°27'05	5♃31	17° 6	21°39	28°33	17° 8	28°16	21° 8	14°18	19°51	5°21	4°54	6° 2	1°35
T 19	1 49 11	25°26'46	18° 8	18°21	22°52	29°17	17°18	28°20	21° 6	14°17	19°50	5°13	4°51	6° 9	1°38
W 20	1 53 8	26°26'29	0♁26	19°35	24° 5	0♁ 1	17°29	28°24	21° 5	14°17	19°49	5° 8	4°48	6°16	1°41
T 21	1 57 4	27°26'14	12°29	20°47	25°18	0°45	17°40	28°29	21° 3	14°17	19°48	5° 6	4°45	6°22	1°43
F 22	2 1 1	28°26'01	24°22	21°57	26°31	1°29	17°51	28°33	21° 1	14°17	19°47	5° 5	4°42	6°29	1°45
S 23	2 4 57	29°25'49	6♁10	23° 5	27°45	2°13	18° 2	28°38	20°59	14°16	19°46	5° 5	4°39	6°36	1°47
S 24	2 8 54	0♍25'39	17°59	24°11	28°58	2°57	18°13	28°43	20°58	14°16	19°44	5° 4	4°35	6°42	1°50
M 25	2 12 50	1°25'31	29°54	25°15	0♎12	3°41	18°25	28°48	20°56	14°16	19°43	5° 2	4°32	6°49	1°52
T 26	2 16 47	2°25'24	12♄ 1	26°16	1°25	4°26	18°36	28°52	20°54	14°16	19°42	4°58	4°29	6°56	1°54
W 27	2 20 43	3°25'19	7°V 2	27°14	2°39	5°10	18°47	28°57	20°53	14°D16	19°41	4°51	4°26	7° 2	1°55
T 28	2 24 40	4°25'16	2♁22	28° 8	3°52	5°55	18°59	29° 2	20°51	14°16	19°40	4°42	4°23	7° 9	1°57
F 29	2 28 37	5°25'15	20° 1	29° 0	5° 6	6°39	19°10	29° 7	20°50	14°16	19°39	4°30	4°19	7°16	1°59
S 30	2 32 33	6°25'15	3♄19	29°47	6°20	7°24	19°22	29°12	20°48	14°16	19°38	4°17	4°16	7°22	2° 0
S 31	2 36 30	7♍25'17	16♄54	0♃30	7♁34	8♁ 8	19♃34	29♁18	20°K47	14♁17	19°V37	4♁ 4	4♁13	7♁29	2♎ 2

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SWISS EPHEMERIS for the year 1841

NOVEMBER 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	2 40 26	8♍25'22	0♐43	1♁ 7	8♁47	8♁53	19♁46	29♁23	20°R45	14♁17	19°R36	3°R52	4♁10	7♁35	2♁ 3	
T 2	2 44 23	9°25'28	14°42	1°40	10° 1	9°38	19°58	29°28	20°K44	14°17	19°Y34	3°K43	4° 7	7°42	2° 4	
W 3	2 48 19	10°25'36	28°47	2° 6	11°15	10°23	20° 9	29°34	20°43	14°17	19°33	3°37	4° 4	7°49	2° 5	
T 4	2 52 16	11°25'47	12♌54	2°25	12°29	11° 8	20°22	29°39	20°41	14°17	19°32	3°33	4° 0	7°55	2° 7	
F 5	2 56 12	12°25'59	27° 1	2°37	13°43	11°53	20°34	29°44	20°40	14°18	19°31	3°32	3°57	8° 2	2° 7	
S 6	3 0 9	13°26'14	11♌ 8	2°R41	14°58	12°38	20°46	29°50	20°39	14°18	19°30	3°32	3°54	8° 9	2° 8	
S 7	3 4 6	14°26'31	25°12	2°36	16°12	13°23	20°58	29°56	20°38	14°18	19°29	3°32	3°51	8°15	2° 9	
M 8	3 8 2	15°26'49	9♍13	2°21	17°26	14° 8	21°10	0♁ 1	20°37	14°19	19°28	3°30	3°48	8°22	2°10	
T 9	3 11 59	16°27'10	23°11	1°57	18°40	14°53	21°23	0° 7	20°36	14°19	19°27	3°26	3°45	8°29	2°10	
W10	3 15 55	17°27'32	7♎ 3	1°23	19°55	15°39	21°35	0°13	20°35	14°20	19°26	3°18	3°41	8°35	2°11	
T11	3 19 52	18°27'57	20°47	0°38	21° 9	16°24	21°48	0°19	20°34	14°20	19°25	3° 8	3°38	8°42	2°11	
F12	3 23 48	19°28'23	4♍21	29♍44	22°24	17° 9	22° 0	0°24	20°33	14°21	19°24	2°57	3°35	8°49	2°11	
S13	3 27 45	20°28'51	17°41	28°41	23°38	17°55	22°13	0°30	20°32	14°21	19°23	2°44	3°32	8°55	2°11	
S14	3 31 41	21°29'21	0♁46	27°31	24°52	18°40	22°25	0°36	20°31	14°22	19°22	2°32	3°29	9° 2	2°R11	
M15	3 35 38	22°29'52	13°33	26°14	26° 7	19°26	22°38	0°42	20°30	14°23	19°21	2°21	3°25	9° 9	2°11	
T16	3 39 35	23°30'25	26° 3	24°54	27°22	20°11	22°51	0°48	20°30	14°23	19°20	2°13	3°22	9°15	2°11	
W17	3 43 31	24°30'59	8♁17	23°33	28°36	20°57	23° 4	0°55	20°29	14°24	19°20	2° 7	3°19	9°22	2°11	
T18	3 47 28	25°31'34	20°18	22°13	29°51	21°43	23°17	1° 1	20°28	14°25	19°19	2° 5	3°16	9°28	2°11	
F19	3 51 24	26°32'11	2♁10	20°58	1♍ 6	22°29	23°30	1° 7	20°28	14°26	19°18	2°D 4	3°13	9°35	2°10	
S20	3 55 21	27°32'49	13°58	19°49	2°20	23°14	23°43	1°13	20°27	14°26	19°17	2° 4	3°10	9°42	2°10	
S21	3 59 17	28°33'28	25°46	18°49	3°35	24° 0	23°56	1°20	20°27	14°27	19°16	2°R 5	3° 6	9°48	2° 9	
M22	4 3 14	29°34'08	7♁40	17°59	4°50	24°46	24° 9	1°26	20°26	14°28	19°15	2° 5	3° 3	9°55	2° 8	
T23	4 7 10	0♁34'49	19°47	17°20	6° 4	25°32	24°22	1°32	20°26	14°29	19°14	2° 2	3° 0	10° 2	2° 7	
W24	4 11 7	1°35'32	2♁10	16°52	7°19	26°18	24°35	1°39	20°26	14°30	19°14	1°58	2°57	10° 8	2° 6	
T25	4 15 4	2°36'15	14°53	16°37	8°34	27° 4	24°48	1°45	20°25	14°31	19°13	1°51	2°54	10°15	2° 5	
F26	4 19 0	3°37'00	28° 1	16°D32	9°49	27°50	25° 1	1°52	20°25	14°32	19°12	1°43	2°51	10°22	2° 4	
S27	4 22 57	4°37'46	11♁32	16°39	11° 4	28°36	25°15	1°58	20°25	14°33	19°11	1°33	2°47	10°28	2° 3	
S28	4 26 53	5°38'32	25°25	16°55	12°19	29°22	25°28	2° 5	20°25	14°34	19°10	1°23	2°44	10°35	2° 1	
M29	4 30 50	6°39'21	9♐37	17°20	13°34	0♁ 8	25°41	2°11	20°25	14°35	19°10	1°14	2°41	10°42	2° 0	
T30	4 34 46	7°40'10	24♐ 3	17♍54	14♍49	0♁55	25°55	2♁18	20°D25	14°36	19°Y 9	1° 7	2°38	10°48	1♁58	

Delta T = 5.57 sec.

DECEMBER 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
W 1	4 38 43	8♁41'01	8♁35	18♍35	16♍ 4	1♁41	26♁ 8	2♁25	20°K25	14°K37	19°R 8	1°R 3	2♁35	10°K55	1°R57	
T 2	4 42 40	9°41'52	23° 8	19°22	17°19	2°27	26°22	2°31	20°25	14°39	19°Y 8	1°K 1	2°31	11° 2	1♁55	
F 3	4 46 36	10°42'46	7♎37	20°15	18°34	3°13	26°35	2°38	20°25	14°40	19° 7	1°D 0	2°28	11° 8	1°53	
S 4	4 50 33	11°43'40	21°57	21°13	19°49	4° 0	26°49	2°45	20°25	14°41	19° 6	1° 1	2°25	11°15	1°51	
S 5	4 54 29	12°44'36	6♍ 6	22°16	21° 4	4°46	27° 2	2°52	20°25	14°42	19° 6	1°R 2	2°22	11°21	1°49	
M 6	4 58 26	13°45'32	20° 3	23°22	22°19	5°32	27°16	2°58	20°26	14°44	19° 5	1° 2	2°19	11°28	1°47	
T 7	5 2 22	14°46'31	3♁49	24°32	23°34	6°19	27°29	3° 5	20°26	14°45	19° 5	1° 1	2°16	11°35	1°45	
W 8	5 6 19	15°47'30	17°22	25°45	24°49	7° 5	27°43	3°12	20°26	14°46	19° 4	0°57	2°12	11°41	1°43	
T 9	5 10 15	16°48'31	0♍43	27° 0	26° 4	7°51	27°57	3°19	20°27	14°48	19° 3	0°51	2° 9	11°48	1°40	
F10	5 14 12	17°49'32	13°52	28°17	27°20	8°38	28°10	3°26	20°27	14°49	19° 3	0°44	2° 6	11°55	1°38	
S11	5 18 9	18°50'35	26°48	29°36	28°35	9°24	28°24	3°33	20°28	14°51	19° 2	0°36	2° 3	12° 1	1°35	
S12	5 22 5	19°51'39	9♁31	0♁57	29°50	10°11	28°38	3°40	20°29	14°52	19° 2	0°28	2° 0	12° 8	1°33	
M13	5 26 2	20°52'43	22° 1	2°19	1♁ 5	10°57	28°51	3°47	20°29	14°54	19° 1	0°21	1°57	12°15	1°30	
T14	5 29 58	21°53'48	4♁19	3°43	2°20	11°44	29° 5	3°54	20°30	14°55	19° 1	0°16	1°53	12°21	1°27	
W15	5 33 55	22°54'54	16°25	5° 7	3°36	12°30	29°19	4° 1	20°31	14°57	19° 1	0°13	1°50	12°28	1°24	
T16	5 37 51	23°56'00	28°22	6°33	4°51	13°17	29°33	4° 8	20°31	14°58	19° 0	0°D12	1°47	12°35	1°21	
F17	5 41 48	24°57'07	10♁12	7°59	6° 6	14° 4	29°46	4°15	20°32	15° 0	19° 0	0°13	1°44	12°41	1°18	
S18	5 45 44	25°58'14	21°58	9°26	7°21	14°50	0♁ 0	4°22	20°33	15° 1	18°59	0°14	1°41	12°48	1°15	
S19	5 49 41	26°59'21	3♁46	10°53	8°37	15°37	0°14	4°29	20°34	15° 3	18°59	0°16	1°37	12°55	1°12	
M20	5 53 38	28° 0'29	15°39	12°21	9°52	16°23	0°28	4°36	20°35	15° 5	18°59	0°18	1°34	13° 1	1° 9	
T21	5 57 34	29° 1'36	27°43	13°50	11° 7	17°10	0°42	4°43	20°36	15° 6	18°58	0°R19	1°31	13° 8	1° 5	
W22	6 1 31	0♁ 2'44	10°Y 3	15°19	12°22	17°57	0°55	4°50	20°37	15° 8	18°58	0°18	1°28	13°14	1° 2	
T23	6 5 27	1° 3'52	22°43	16°49	13°38	18°43	1° 9	4°57	20°39	15°10	18°58	0°16	1°25	13°21	0°58	
F24	6 9 24	2° 5'00	5♁47	18°19	14°53	19°30	1°23	5° 4	20°40	15°12	18°58	0°13	1°22	13°28	0°55	
S25	6 13 20	3° 6'08	19°19	19°49	16° 8	20°17	1°37	5°11	20°41	15°13	18°58	0° 9	1°18	13°34	0°51	
S26	6 17 17	4° 7'16	3♐17	21°20	17°24	21° 3	1°51	5°18	20°42	15°15	18°57	0° 5	1°15	13°41	0°48	
M27	6 21 13	5° 8'25	17°39	22°51	18°39	21°50	2° 4	5°25	20°44	15°17	18°57	0° 1	1°12	13°48	0°44	
T28	6 25 10	6° 9'33	2♁22	24°22	19°54	22°36	2°18	5°32	20°45	15°19	18°57	29°Z58	1° 9	13°54	0°40	
W29	6 29 7	7°10'42	17°16	25°54	21° 9	23°23	2°32	5°39	20°46	15°21	18°57	29°57	1° 6	14° 1	0°36	
T30	6 33 3	8°11'51	2♍15	27°26	22°25	24°10	2°46	5°46	20°48	15°23	18°57	29°D56	1° 3	14° 8	0°32	
F31	6 37 0	9♁12'59	17♍10	28♁58	23♁40	24°56	3° 0	5♁53	20°K50	15°25	18°Y57	29°Z57	0°59	14°14	0♁28	

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