

SWISS EPHEMERIS for the year 1841

JANUARY 1841

00:00 UT

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

Delta T = 5.49 sec.

FEBRUARY 1841

00:00 UT

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

SWISS EPHEMERIS for the year 1841

MARCH 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	10 34 30	10X17'08	12II26	27X51	26Y34	5II24	17X54	1Z40	19X45	15X28	18Y33	17X54	17X 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	8II47	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	6E53	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	3II40	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	11X13	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	10X43	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	11Z23	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	23R 5	3II43	19X48	2Z58	21X27	16X24	19Y12	16X42	15X33	13Z45	14E10	

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APRIL 1841

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	12 36 43	11Y 6'21	5Ω46	22°R43	23Z46	3°R28	19X49	2Z59	21X30	16X25	19Y13	16X43	15X30	13Z52	14E11	
F 2	12 40 40	12° 5'27	19°52	22X32	24°26	3II13	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	3II55	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	1E39	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	11II38	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	6X51	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	29E44	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	6X35	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	9Z27'11	0II30	15Y20	1II27	23E28	18X59	2Z49	22X56	16X57	19Y54	14X10	13X58	17Z 5	15E28	

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SWISS EPHEMERIS for the year 1841

MAY 1841

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	14 35 0	10♌25'21	14♍13	16♋48	1°R11	23°R 8	18°R54	2°R48	22♋59	16♌57	19♍55	14°R 8	13♌55	17♌12	15♌32
S 2	14 38 57	11°23'29	27°46	18°19	0♐52	22♌48	18♌50	2♌46	23° 2	16°58	19°56	14♌ 3	13°51	17°19	15°36
M 3	14 42 53	12°21'35	11♌ 8	19°52	0°30	22°29	18°45	2°44	23° 4	16°59	19°58	13°55	13°48	17°25	15°40
T 4	14 46 50	13°19'40	24°20	21°26	0° 7	22°10	18°40	2°42	23° 7	16°59	19°59	13°45	13°45	17°32	15°44
W 5	14 50 46	14°17'42	7♌20	23° 3	29♌41	21°51	18°35	2°40	23° 9	17° 0	20° 0	13°32	13°42	17°39	15°49
T 6	14 54 43	15°15'43	20° 7	24°42	29°13	21°34	18°30	2°37	23°11	17° 0	20° 2	13°19	13°39	17°45	15°53
F 7	14 58 39	16°13'43	2♌39	26°22	28°44	21°17	18°25	2°35	23°14	17° 1	20° 3	13° 6	13°35	17°52	15°57
S 8	15 2 36	17°11'41	14°59	28° 5	28°13	21° 0	18°20	2°33	23°16	17° 1	20° 4	12°55	13°32	17°59	16° 2
S 9	15 6 32	18° 9'37	27° 6	29°49	27°40	20°44	18°14	2°30	23°18	17° 1	20° 5	12°46	13°29	18° 5	16° 6
M10	15 10 29	19° 7'32	9♌ 3	1♌35	27° 5	20°29	18° 8	2°28	23°21	17° 2	20° 7	12°40	13°26	18°12	16°11
T 11	15 14 26	20° 5'26	20°53	3°24	26°30	20°15	18° 2	2°25	23°23	17° 2	20° 8	12°36	13°23	18°19	16°15
W12	15 18 22	21° 3'19	2♌41	5°14	25°54	20° 1	17°56	2°23	23°25	17° 2	20° 9	12°34	13°20	18°25	16°20
T 13	15 22 19	22° 1'10	14°32	7° 6	25°17	19°48	17°50	2°20	23°27	17° 3	20°10	12°D34	13°16	18°32	16°25
F 14	15 26 15	22°59'00	26°31	9° 1	24°39	19°36	17°44	2°17	23°29	17° 3	20°12	12°R34	13°13	18°39	16°29
S 15	15 30 12	23°56'48	8♌43	10°57	24° 1	19°24	17°38	2°14	23°32	17° 3	20°13	12°33	13°10	18°45	16°34
S 16	15 34 8	24°54'36	21°13	12°55	23°24	19°14	17°31	2°11	23°34	17° 3	20°14	12°31	13° 7	18°52	16°39
M17	15 38 5	25°52'22	4♋ 7	14°55	22°46	19° 4	17°25	2° 8	23°36	17° 3	20°15	12°26	13° 4	18°59	16°44
T 18	15 42 1	26°50'07	17°26	16°57	22° 9	18°54	17°18	2° 5	23°38	17° 3	20°16	12°18	13° 1	19° 5	16°49
W19	15 45 58	27°47'51	1♌12	19° 0	21°33	18°46	17°12	2° 2	23°39	17° 3	20°18	12° 9	12°57	19°12	16°54
T 20	15 49 54	28°45'34	15°22	21° 5	20°58	18°39	17° 5	1°58	23°41	17°R 3	20°19	11°58	12°54	19°18	17° 0
F 21	15 53 51	29°43'16	29°53	23°12	20°24	18°32	16°58	1°55	23°43	17° 3	20°20	11°48	12°51	19°25	17° 5
S 22	15 57 48	0♐40'57	14♐37	25°20	19°51	18°26	16°51	1°52	23°45	17° 3	20°21	11°38	12°48	19°32	17°10
S 23	16 1 44	1°38'36	29°26	27°29	19°20	18°21	16°44	1°48	23°47	17° 3	20°22	11°30	12°45	19°38	17°15
M24	16 5 41	2°36'14	14♌12	29°40	18°50	18°17	16°37	1°45	23°48	17° 3	20°23	11°25	12°41	19°45	17°21
T 25	16 9 37	3°33'50	28°49	1♐51	18°23	18°13	16°29	1°41	23°50	17° 3	20°24	11°23	12°38	19°52	17°26
W26	16 13 34	4°31'25	13♌12	4° 2	17°57	18°11	16°22	1°38	23°52	17° 3	20°25	11°D22	12°35	19°58	17°32
T 27	16 17 30	5°28'59	27°19	6°14	17°34	18° 9	16°15	1°34	23°53	17° 2	20°27	11°23	12°32	20° 5	17°37
F 28	16 21 27	6°26'31	11♍ 9	8°26	17°12	18° 8	16° 7	1°30	23°55	17° 2	20°28	11°R23	12°29	20°12	17°43
S 29	16 25 24	7°24'01	24°43	10°38	16°53	18°D 8	16° 0	1°26	23°56	17° 2	20°29	11°21	12°26	20°18	17°48
S 30	16 29 20	8°21'30	8♌ 1	12°49	16°36	18° 8	15°52	1°23	23°58	17° 2	20°30	11°18	12°22	20°25	17°54
M31	16 33 17	9♐18'58	21♌ 6	15♐ 0	16♌22	18♌10	15♌45	1♌19	23♋59	17♌ 1	20♋31	11♌12	12♌19	20♌32	18♌ 0

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JUNE 1841

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	16 37 13	10♐16'25	3♌58	17♐ 9	16°R10	18♌12	15°R37	1°R15	24♋ 1	17°R 1	20♋32	11°R 4	12♌16	20♌38	18♌ 6
W 2	16 41 10	11°13'51	16°38	19°17	16♌ 0	18°15	15♌30	1♌11	24° 2	17♌ 1	20°33	10♌54	12°13	20°45	18°11
T 3	16 45 6	12°11'15	29° 7	21°24	15°53	18°19	15°22	1° 7	24° 3	17° 0	20°34	10°44	12°10	20°52	18°17
F 4	16 49 3	13° 8'39	11♌25	23°28	15°48	18°23	15°14	1° 3	24° 5	17° 0	20°34	10°33	12° 7	20°58	18°23
S 5	16 52 59	14° 6'02	23°33	25°32	15°46	18°28	15° 7	0°59	24° 6	16°59	20°35	10°24	12° 3	21° 5	18°29
S 6	16 56 56	15° 3'24	5♌32	27°33	15°D46	18°34	14°59	0°54	24° 7	16°59	20°36	10°17	12° 0	21°12	18°35
M 7	17 0 53	16° 0'45	17°24	29°32	15°48	18°41	14°52	0°50	24° 8	16°58	20°37	10°12	11°57	21°18	18°41
T 8	17 4 49	16°58'06	29°13	1♌28	15°52	18°48	14°44	0°46	24° 9	16°57	20°38	10° 9	11°54	21°25	18°47
W 9	17 8 46	17°55'26	11♌ 0	3°23	15°59	18°56	14°36	0°42	24°10	16°57	20°39	10°D 9	11°51	21°32	18°53
T 10	17 12 42	18°52'45	22°50	5°15	16° 8	19° 5	14°29	0°38	24°11	16°56	20°40	10° 9	11°47	21°38	19° 0
F 11	17 16 39	19°50'04	4♌49	7° 5	16°19	19°14	14°21	0°33	24°12	16°56	20°41	10°10	11°44	21°45	19° 6
S 12	17 20 35	20°47'22	17° 0	8°52	16°32	19°24	14°13	0°29	24°13	16°55	20°41	10°R11	11°41	21°52	19°12
S 13	17 24 32	21°44'40	29°29	10°37	16°48	19°34	14° 6	0°25	24°14	16°54	20°42	10°11	11°38	21°58	19°18
M14	17 28 28	22°41'58	12♋21	12°20	17° 5	19°46	13°58	0°20	24°14	16°53	20°43	10° 9	11°35	22° 5	19°25
T 15	17 32 25	23°39'15	25°39	14° 0	17°24	19°58	13°51	0°16	24°15	16°53	20°44	10° 5	11°32	22°12	19°31
W16	17 36 22	24°36'32	9♌25	15°37	17°44	20°10	13°43	0°12	24°16	16°52	20°44	10° 0	11°28	22°18	19°37
T 17	17 40 18	25°33'49	23°39	17°12	18° 7	20°23	13°36	0° 7	24°16	16°51	20°45	9°54	11°25	22°25	19°44
F 18	17 44 15	26°31'06	8♐17	18°45	18°31	20°37	13°29	0° 3	24°17	16°50	20°46	9°47	11°22	22°32	19°50
S 19	17 48 11	27°28'22	23°13	20°15	18°57	20°51	13°21	29♌58	24°17	16°49	20°47	9°41	11°19	22°38	19°57
S 20	17 52 8	28°25'38	8♌18	21°42	19°24	21° 6	13°14	29°54	24°18	16°48	20°47	9°37	11°16	22°45	20° 3
M21	17 56 4	29°22'54	23°23	23° 7	19°53	21°22	13° 7	29°50	24°18	16°47	20°48	9°34	11°13	22°51	20°10
T 22	18 0 1	0♌20'09	8♌19	24°29	20°24	21°38	13° 0	29°45	24°19	16°46	20°49	9°D33	11° 9	22°58	20°16
W23	18 3 58	1°17'23	22°59	25°49	20°55	21°54	12°53	29°41	24°19	16°45	20°49	9°33	11° 6	23° 5	20°23
T 24	18 7 54	2°14'37	7♍19	27° 6	21°28	22°12	12°46	29°36	24°19	16°44	20°50	9°35	11° 3	23°11	20°29
F 25	18 11 51	3°11'50	21°17	28°20	22° 3	22°29	12°40	29°32	24°20	16°43	20°50	9°36	11° 0	23°18	20°36
S 26	18 15 47	4° 9'02	4♌52	29°31	22°38	22°47	12°33	29°27	24°20	16°42	20°51	9°R36	10°57	23°25	20°43
S 27	18 19 44	5° 6'14	18° 6	0♐40	23°15	23° 6	12°26	29°23	24°20	16°41	20°51	9°36	10°53	23°31	20°49
M28	18 23 40	6° 3'26	1♌ 2	1°45	23°53	23°25	12°20	29°19	24°20	16°40	20°52	9°33	10°50	23°38	20°56
T 29	18 27 37	7° 0'37	13°41	2°48	24°32	23°45	12°13	29°14	24°R20	16°39	20°52	9°30	10°47	23°45	21° 3
W30	18 31 33	7♌57'48	26♌ 7	3♐47	25♌12	24♌ 5	12♌ 7	29♌10	24♋20	16♌38	20♋53	9♌25	10♌44	23♌51	21♌ 9

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SWISS EPHEMERIS for the year 1841

JULY 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
T 1	18 35 30	8 <sup>h</sup> 54'59"	8 <sup>h</sup> 22'	4 <sup>h</sup> 43'	25 <sup>h</sup> 53'	24 <sup>h</sup> 26'	12°R 1	29°R 6	24°R20	16°R36	20°V53	9°R20	10 <sup>h</sup> 41'	23 <sup>h</sup> 58'	21 <sup>h</sup> 16'	
F 2	18 39 27	9°52'10"	20°27'	5°36'	26°36'	24°47'	11 <sup>h</sup> 55'	29 <sup>h</sup> 1'	24 <sup>h</sup> 20'	16 <sup>h</sup> 35'	20°54'	9 <sup>h</sup> 15'	10°38'	24° 5'	21°23'	
S 3	18 43 23	10°49'20"	2 <sup>h</sup> 35'	6°26'	27°19'	25° 8'	11°49'	28°57'	24°20'	16°34'	20°54'	9°10'	10°34'	24°11'	21°30'	
S 4	18 47 20	11°46'31"	14°17'	7°11'	28° 3'	25°30'	11°43'	28°53'	24°19'	16°33'	20°54'	9° 7'	10°31'	24°18'	21°36'	
M 5	18 51 16	12°43'41"	26° 6'	7°54'	28°48'	25°53'	11°38'	28°49'	24°19'	16°31'	20°55'	9° 5'	10°28'	24°25'	21°43'	
T 6	18 55 13	13°40'52"	7 <sup>h</sup> 53'	8°32'	29°33'	26°15'	11°32'	28°44'	24°19'	16°30'	20°55'	9°D 4	10°25'	24°31'	21°50'	
W 7	18 59 9	14°38'03"	19°42'	9° 7'	0 <sup>h</sup> 20'	26°38'	11°27'	28°40'	24°19'	16°29'	20°55'	9° 5'	10°22'	24°38'	21°57'	
T 8	19 3 6	15°35'14"	1 <sup>h</sup> 36'	9°37'	1° 7'	27° 2'	11°22'	28°36'	24°18'	16°28'	20°56'	9° 6'	10°19'	24°45'	22° 4'	
F 9	19 7 2	16°32'25"	13°37'	10° 3'	1°56'	27°26'	11°16'	28°32'	24°18'	16°26'	20°56'	9° 8'	10°15'	24°51'	22°10'	
S 10	19 10 59	17°29'37"	25°50'	10°25'	2°45'	27°50'	11°11'	28°28'	24°17'	16°25'	20°56'	9° 9'	10°12'	24°58'	22°17'	
S 11	19 14 56	18°26'50"	8 <sup>h</sup> Y20	10°42'	3°34'	28°15'	11° 7'	28°24'	24°17'	16°23'	20°56'	9°10'	10° 9'	25° 5'	22°24'	
M12	19 18 52	19°24'03"	21° 9'	10°55'	4°24'	28°40'	11° 2'	28°20'	24°16'	16°22'	20°57'	9°R10	10° 6'	25°11'	22°31'	
T 13	19 22 49	20°21'16"	4 <sup>h</sup> 22'	11° 3'	5°15'	29° 6'	10°58'	28°16'	24°16'	16°21'	20°57'	9°10'	10° 3'	25°18'	22°38'	
W14	19 26 45	21°18'31"	18° 2'	11°R 6	6° 7'	29°32'	10°53'	28°12'	24°15'	16°19'	20°57'	9° 9'	9°59'	25°24'	22°45'	
T 15	19 30 42	22°15'46"	2 <sup>h</sup> II 9	11° 5'	6°59'	29°58'	10°49'	28° 8'	24°14'	16°18'	20°57'	9° 7'	9°56'	25°31'	22°52'	
F 16	19 34 38	23°13'01"	16°41'	10°59'	7°52'	0 <sup>h</sup> 25'	10°45'	28° 4'	24°13'	16°16'	20°57'	9° 5'	9°53'	25°38'	22°59'	
S 17	19 38 35	24°10'18"	1 <sup>h</sup> 34'	10°47'	8°46'	0°52'	10°41'	28° 1'	24°13'	16°15'	20°57'	9° 3'	9°50'	25°44'	23° 5'	
S 18	19 42 31	25° 7'35"	16°41'	10°31'	9°39'	1°19'	10°37'	27°57'	24°12'	16°13'	20°58'	9° 2'	9°47'	25°51'	23°12'	
M19	19 46 28	26° 4'52"	1 <sup>h</sup> 53'	10°11'	10°34'	1°46'	10°34'	27°53'	24°11'	16°12'	20°58'	9°D 1	9°44'	25°58'	23°19'	
T 20	19 50 25	27° 2'10"	17° 0'	9°46'	11°29'	2°14'	10°31'	27°50'	24°10'	16°10'	20°58'	9° 1'	9°40'	26° 4'	23°26'	
W21	19 54 21	27°59'28"	1 <sup>h</sup> 53'	9°17'	12°24'	2°43'	10°27'	27°46'	24° 9'	16° 9'	20°R58	9° 1'	9°37'	26°11'	23°33'	
T 22	19 58 18	28°56'47"	17°27'	8°44'	13°20'	3°11'	10°24'	27°43'	24° 8'	16° 7'	20°58'	9° 2'	9°34'	26°18'	23°40'	
F 23	20 2 14	29°54'06"	0 <sup>h</sup> 36'	8° 7'	14°17'	3°40'	10°22'	27°39'	24° 7'	16° 6'	20°58'	9° 3'	9°31'	26°24'	23°47'	
S 24	20 6 11	0 <sup>h</sup> 51'25"	14°19'	7°28'	15°14'	4° 9'	10°19'	27°36'	24° 6'	16° 4'	20°58'	9° 4'	9°28'	26°31'	23°54'	
S 25	20 10 7	1°48'45"	27°37'	6°47'	16°11'	4°39'	10°17'	27°33'	24° 5'	16° 3'	20°58'	9°R 4	9°25'	26°38'	24° 0'	
M26	20 14 4	2°46'05"	10 <sup>h</sup> 31'	6° 4'	17° 9'	5° 9'	10°14'	27°30'	24° 3'	16° 1'	20°57'	9° 4'	9°21'	26°44'	24° 7'	
T 27	20 18 0	3°43'26"	23° 6'	5°20'	18° 7'	5°39'	10°12'	27°27'	24° 2'	15°59'	20°57'	9° 4'	9°18'	26°51'	24°14'	
W28	20 21 57	4°40'48"	5 <sup>h</sup> 25'	4°35'	19° 5'	6° 9'	10°10'	27°23'	24° 1'	15°58'	20°57'	9° 3'	9°15'	26°58'	24°21'	
T 29	20 25 54	5°38'10"	17°31'	3°52'	20° 4'	6°40'	10° 9'	27°20'	23°59'	15°56'	20°57'	9° 3'	9°12'	27° 4'	24°28'	
F 30	20 29 50	6°35'32"	29°28'	3°10'	21° 3'	7°11'	10° 7'	27°18'	23°58'	15°55'	20°57'	9° 2'	9° 9'	27°11'	24°35'	
S 31	20 33 47	7 <sup>h</sup> 32'56"	11 <sup>h</sup> 19'	2 <sup>h</sup> 30'	22 <sup>h</sup> 3'	7 <sup>h</sup> 42'	10 <sup>h</sup> 7'	27 <sup>h</sup> 15'	23 <sup>h</sup> 57'	15 <sup>h</sup> 53'	20 <sup>h</sup> 57'	9 <sup>h</sup> 2'	9 <sup>h</sup> 5'	27 <sup>h</sup> 17'	24 <sup>h</sup> 42'	

Delta T = 5.53 sec.

AUGUST 1841

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
S 1	20 37 43	8 <sup>h</sup> 30'20"	23 <sup>h</sup> 37'	1°R54	23 <sup>h</sup> II 3	8 <sup>h</sup> 14'	10°R 4	27°R12	23°R55	15°R51	20°R56	9°R 2	9 <sup>h</sup> 2'	27 <sup>h</sup> 24'	24 <sup>h</sup> 48'	
M 2	20 41 40	9°27'45"	4 <sup>h</sup> 55'	1 <sup>h</sup> 21'	24° 3'	8°45'	10 <sup>h</sup> 3'	27 <sup>h</sup> 9'	23 <sup>h</sup> 54'	15 <sup>h</sup> 50'	20°V56	9 <sup>h</sup> 2'	8°59'	27°31'	24°55'	
T 3	20 45 36	10°25'11"	16°46'	0°53'	25° 4'	9°17'	10° 3'	27° 7'	23°52'	15°48'	20°56'	9° 2'	8°56'	27°37'	25° 2'	
W 4	20 49 33	11°22'38"	28°40'	0°29'	26° 5'	9°49'	10° 2'	27° 4'	23°51'	15°47'	20°56'	9° 2'	8°53'	27°44'	25° 9'	
T 5	20 53 29	12°20'05"	10 <sup>h</sup> 41'	0°12'	27° 6'	10°22'	10° 1'	27° 2'	23°49'	15°45'	20°55'	9° 2'	8°50'	27°51'	25°15'	
F 6	20 57 26	13°17'34"	22°51'	0° 0'	28° 8'	10°55'	10° 1'	26°59'	23°48'	15°43'	20°55'	9° 1'	8°46'	27°57'	25°22'	
S 7	21 1 23	14°15'05"	5 <sup>h</sup> Y12	29°D54	29°10'	11°28'	10°D 1	26°57'	23°46'	15°42'	20°55'	9° 1'	8°43'	28° 4'	25°29'	
S 8	21 5 19	15°12'36"	17°47'	29 <sup>h</sup> 56'	0 <sup>h</sup> 52'	12° 1'	10° 1'	26°55'	23°44'	15°40'	20°54'	9° 0'	8°40'	28°11'	25°35'	
M 9	21 9 16	16°10'09"	0 <sup>h</sup> 39'	0 <sup>h</sup> 4'	1°15'	12°34'	10° 2'	26°53'	23°42'	15°38'	20°54'	8°59'	8°37'	28°17'	25°42'	
T 10	21 13 12	17° 7'44"	13°51'	0°19'	2°17'	13° 8'	10° 2'	26°51'	23°41'	15°37'	20°54'	8°D59	8°34'	28°24'	25°49'	
W11	21 17 9	18° 5'20"	27°24'	0°41'	3°20'	13°42'	10° 3'	26°49'	23°39'	15°35'	20°53'	8°59'	8°31'	28°31'	25°55'	
T 12	21 21 5	19° 2'57"	11 <sup>h</sup> 20'	1°10'	4°24'	14°16'	10° 3'	26°47'	23°37'	15°34'	20°53'	9° 0'	8°27'	28°37'	26° 2'	
F 13	21 25 2	20° 0'37"	25°38'	1°47'	5°27'	14°50'	10° 5'	26°45'	23°35'	15°32'	20°52'	9° 1'	8°24'	28°44'	26° 9'	
S 14	21 28 58	20°58'17"	10 <sup>h</sup> 17'	2°30'	6°31'	15°24'	10° 6'	26°43'	23°33'	15°30'	20°52'	9° 1'	8°21'	28°51'	26°15'	
S 15	21 32 55	21°56'00"	25°11'	3°20'	7°35'	15°59'	10° 7'	26°42'	23°31'	15°29'	20°51'	9° 2'	8°18'	28°57'	26°22'	
M16	21 36 52	22°53'43"	10 <sup>h</sup> 14'	4°17'	8°40'	16°34'	10° 9'	26°40'	23°29'	15°27'	20°51'	9°R 2	8°15'	29° 4'	26°28'	
T 17	21 40 48	23°51'28"	25°17'	5°20'	9°44'	17° 9'	10°10'	26°39'	23°28'	15°25'	20°50'	9° 2'	8°11'	29°11'	26°35'	
W18	21 44 45	24°49'14"	10 <sup>h</sup> 13'	6°30'	10°49'	17°45'	10°12'	26°37'	23°26'	15°24'	20°50'	9° 1'	8° 8'	29°17'	26°41'	
T 19	21 48 41	25°47'02"	24°52'	7°45'	11°54'	18°20'	10°15'	26°36'	23°23'	15°22'	20°49'	8°59'	8° 5'	29°24'	26°47'	
F 20	21 52 38	26°44'50"	9 <sup>h</sup> 2'	9° 7'	12°59'	18°56'	10°17'	26°35'	23°21'	15°21'	20°49'	8°57'	8° 2'	29°30'	26°54'	
S 21	21 56 34	27°42'40"	23° 0'	10°33'	14° 5'	19°32'	10°19'	26°34'	23°19'	15°19'	20°48'	8°54'	7°59'	29°37'	27° 0'	
S 22	22 0 31	28°40'32"	6 <sup>h</sup> 24'	12° 5'	15°10'	20° 8'	10°22'	26°33'	23°17'	15°17'	20°47'	8°52'	7°56'	29°44'	27° 6'	
M23	22 4 27	29°38'24"	19°22'	13°40'	16°16'	20°44'	10°25'	26°32'	23°15'	15°16'	20°47'	8°51'	7°52'	29°50'	27°13'	
T 24	22 8 24	0 <sup>h</sup> 36'18"	1 <sup>h</sup> 57'	15°20'	17°22'	21°21'	10°28'	26°31'	23°13'	15°14'	20°46'	8°D51	7°49'	29°57'	27°19'	
W25	22 12 21	1°34'13"	14°14'	17° 4'	18°28'	21°58'	10°31'	26°31'	23°11'	15°13'	20°45'	8°51'	7°46'	0 <sup>h</sup> 4'	27°25'	
T 26	22 16 17	2°32'09"	26°17'	18°50'	19°35'	22°35'	10°34'	26°30'	23° 9'	15°11'	20°45'	8°53'	7°43'	0°10'	27°31'	
F 27	22 20 14	3°30'07"	8 <sup>h</sup> 11'	20°40'	20°41'	23°12'	10°38'	26°30'	23° 6'	15°10'	20°44'	8°54'	7°40'	0°17'	27°37'	
S 28	22 24 10	4°28'06"	19°59'	22°31'	21°48'	23°49'	10°42'	26°29'	23° 4'	15° 8'	20°43'	8°56'	7°37'	0°24'	27°43'	
S 29	22 28 7	5°26'07"	1 <sup>h</sup> 47'	24°24'	22°55'	24°26'	10°46'	26°29'	23° 2'	15° 7'	20°43'	8°57'	7°33'	0°30'	27°49'	
M30	22 32 3	6°24'08"	13°37'	26°19'	24° 2'	25° 4'	10°50'	26°29'	23° 0'	15° 5'	20°42'	8°R57	7°30'	0°37'	27°55'	
T 31	22 36 0	7 <sup>h</sup> 22'12"	25 <sup>h</sup> 33'	28 <sup>h</sup> 15'	25 <sup>h</sup> 10'	25 <sup>h</sup> 42'	10 <sup>h</sup> 54'	26°D29	22 <sup>h</sup> 57'	15 <sup>h</sup> 4'	20°V41	8 <sup>h</sup> 56'	7 <sup>h</sup> 27'	0 <sup>h</sup> 44'	28 <sup>h</sup> 1'	

Delta T = 5.54 sec.

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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°K 1	20°Y39	8°K49	7°21	0°57	28°13
F 3	22 47 50	10°16'32	2°Y14	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
M13	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
W15	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
M20	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
W22	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
M27	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
W29	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°Y12	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°Y25	23♁ 7	1♍ 9	16♁24	14♁21	27♁14	21°R44	14°R27	20°R11	7°R15	5°K48	4°K10	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°K26	20°Y10	7°K 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
M11	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
W13	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
M18	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
W20	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°K10	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
M25	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
W27	2 20 43	3°25'19	7°Y 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♋47	14°K17	19°Y37	4°K 4	4°K13	7°K29	2♎ 2

Delta T = 5.56 sec.

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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°K36	19°Y 9	1° 7	2°K38	10°K48	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°K56	3° 0	5°53	20°K50	15°K25	18°Y57	29°Z57	0°K59	14°K14	0♁28	

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