

SWISS EPHEMERIS for the year 3321 BCE

JANUARY 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	4 51 23	15 ^z 30'59	18 ^Ω 10	28 ^z 49	18 ^z 10	6 ^Ω 45	2 [♁] 32	12 [°] R31	11 [°] R25	9 [°] R43	27 ^z 55	6 [°] R11	5 ^{II} 47	6 ^Ω 22	n.a.								
S 2	4 55 20	16 [°] 31'08	0 [♁] 3	0 ^z 35	19 [°] 24	6 [°] 49	2 [°] 34	12 [°] 30	11 [°] 24	9 [°] 42	27 [°] 56	6 ^{II} 10	5 [°] 44	6 [°] 29	n.a.								
S 3	4 59 16	17 [°] 31'15	12 [°] 3	2 [°] 18	20 [°] 39	6 [°] 53	2 [°] 36	12 [°] 28	11 [°] 23	9 [°] 41	27 [°] 56	6 [°] D10	5 [°] 41	6 [°] 36	n.a.								
M 4	5 3 13	18 [°] 31'20	24 [°] 13	3 [°] 59	21 [°] 54	6 [°] 57	2 [°] 38	12 [°] 27	11 [°] 22	9 [°] 41	27 [°] 57	6 [°] 10	5 [°] 38	6 [°] 42	n.a.								
T 5	5 7 9	19 [°] 31'23	6 ^z 38	5 [°] 37	23 [°] 8	7 [°] 0	2 [°] 40	12 [°] 25	11 [°] 21	9 [°] 40	27 [°] 57	6 [°] 11	5 [°] 34	6 [°] 49	n.a.								
W 6	5 11 6	20 [°] 31'25	19 [°] 23	7 [°] 11	24 [°] 23	7 [°] 2	2 [°] 42	12 [°] 23	11 [°] 19	9 [°] 39	27 [°] 58	6 [°] 12	5 [°] 31	6 [°] 56	n.a.								
T 7	5 15 2	21 [°] 31'24	2 ^{II} 30	8 [°] 40	25 [°] 38	7 [°] 3	2 [°] 43	12 [°] 21	11 [°] 18	9 [°] 38	27 [°] 59	6 [°] 13	5 [°] 28	7 [°] 3	n.a.								
F 8	5 18 59	22 [°] 31'22	16 [°] 30	10 [°] 5	26 [°] 52	7 [°] R 3	2 [°] 44	12 [°] 19	11 [°] 17	9 [°] 37	27 [°] 59	6 [°] 14	5 [°] 25	7 [°] 9	n.a.								
S 9	5 22 56	23 [°] 31'17	0 ^z 1	11 [°] 24	28 [°] 7	7 [°] 3	2 [°] 45	12 [°] 17	11 [°] 15	9 [°] 36	28 [°] 0	6 [°] R15	5 [°] 22	7 [°] 16	n.a.								
S 10	5 26 52	24 [°] 31'11	14 [°] 23	12 [°] 37	29 [°] 21	7 [°] 2	2 [°] 46	12 [°] 15	11 [°] 14	9 [°] 35	28 [°] 1	6 [°] 15	5 [°] 18	7 [°] 23	n.a.								
M 11	5 30 49	25 [°] 31'03	29 [°] 3	13 [°] 43	0 ^z 36	7 [°] 1	2 [°] 47	12 [°] 12	11 [°] 12	9 [°] 34	28 [°] 1	6 [°] 14	5 [°] 15	7 [°] 29	n.a.								
T 12	5 34 45	26 [°] 30'52	13 ^z 56	14 [°] 42	1 [°] 50	6 [°] 58	2 [°] 47	12 [°] 10	11 [°] 11	9 [°] 33	28 [°] 2	6 [°] 12	5 [°] 12	7 [°] 36	n.a.								
W 13	5 38 42	27 [°] 30'40	28 [°] 53	15 [°] 34	3 [°] 5	6 [°] 55	2 [°] 48	12 [°] 8	11 [°] 9	9 [°] 32	28 [°] 3	6 [°] 9	5 [°] 9	7 [°] 43	n.a.								
T 14	5 42 38	28 [°] 30'24	13 ^z 45	16 [°] 17	4 [°] 19	6 [°] 51	2 [°] R48	12 [°] 5	11 [°] 8	9 [°] 31	28 [°] 4	6 [°] 6	5 [°] 6	7 [°] 50	n.a.								
F 15	5 46 35	29 [°] 30'06	28 [°] 25	16 [°] 52	5 [°] 34	6 [°] 46	2 [°] 48	12 [°] 2	11 [°] 6	9 [°] 29	28 [°] 4	6 [°] 3	5 [°] 3	7 [°] 56	n.a.								
S 16	5 50 32	0 ^z 29'46	12 ^z 48	17 [°] 19	6 [°] 48	6 [°] 41	2 [°] 47	12 [°] 0	11 [°] 4	9 [°] 28	28 [°] 5	6 [°] 1	4 [°] 59	8 [°] 3	n.a.								
S 17	5 54 28	1 [°] 29'23	26 [°] 51	17 [°] 37	8 [°] 3	6 [°] 34	2 [°] 47	11 [°] 57	11 [°] 3	9 [°] 27	28 [°] 6	6 [°] D 0	4 [°] 56	8 [°] 10	n.a.								
M 18	5 58 25	2 [°] 28'57	10 ^z 32	17 [°] 47	9 [°] 17	6 [°] 27	2 [°] 46	11 [°] 54	11 [°] 1	9 [°] 26	28 [°] 7	6 [°] 0	4 [°] 53	8 [°] 16	n.a.								
T 19	6 2 21	3 [°] 28'29	23 [°] 54	17 [°] R48	10 [°] 32	6 [°] 19	2 [°] 45	11 [°] 51	10 [°] 59	9 [°] 25	28 [°] 8	6 [°] 1	4 [°] 50	8 [°] 23	n.a.								
W 20	6 6 18	4 [°] 27'59	6 ^z 57	17 [°] 40	11 [°] 46	6 [°] 11	2 [°] 44	11 [°] 48	10 [°] 57	9 [°] 23	28 [°] 8	6 [°] 3	4 [°] 47	8 [°] 30	n.a.								
T 21	6 10 14	5 [°] 27'26	19 [°] 43	17 [°] 25	13 [°] 0	6 [°] 1	2 [°] 43	11 [°] 45	10 [°] 55	9 [°] 22	28 [°] 9	6 [°] 5	4 [°] 44	8 [°] 36	n.a.								
F 22	6 14 11	6 [°] 26'50	2 ^{II} 16	17 [°] 2	14 [°] 15	5 [°] 51	2 [°] 42	11 [°] 42	10 [°] 53	9 [°] 21	28 [°] 10	6 [°] R 5	4 [°] 40	8 [°] 43	n.a.								
S 23	6 18 7	7 [°] 26'12	14 [°] 38	16 [°] 32	15 [°] 29	5 [°] 40	2 [°] 40	11 [°] 38	10 [°] 51	9 [°] 20	28 [°] 11	6 [°] 5	4 [°] 37	8 [°] 50	n.a.								
S 24	6 22 4	8 [°] 25'32	26 [°] 51	15 [°] 55	16 [°] 43	5 [°] 29	2 [°] 38	11 [°] 35	10 [°] 49	9 [°] 18	28 [°] 12	6 [°] 3	4 [°] 34	8 [°] 57	n.a.								
M 25	6 26 1	9 [°] 24'49	8 ^z 56	15 [°] 14	17 [°] 58	5 [°] 16	2 [°] 37	11 [°] 32	10 [°] 47	9 [°] 17	28 [°] 13	6 [°] 0	4 [°] 31	9 [°] 3	n.a.								
T 26	6 29 57	10 [°] 24'05	20 [°] 56	14 [°] 28	19 [°] 12	5 [°] 3	2 [°] 34	11 [°] 28	10 [°] 45	9 [°] 16	28 [°] 14	5 [°] 55	4 [°] 28	9 [°] 10	n.a.								
W 27	6 33 54	11 [°] 23'17	2 ^Ω 51	13 [°] 38	20 [°] 26	4 [°] 49	2 [°] 32	11 [°] 25	10 [°] 43	9 [°] 14	28 [°] 15	5 [°] 48	4 [°] 24	9 [°] 17	n.a.								
T 28	6 37 50	12 [°] 22'28	14 [°] 43	12 [°] 46	21 [°] 40	4 [°] 35	2 [°] 30	11 [°] 21	10 [°] 41	9 [°] 13	28 [°] 16	5 [°] 42	4 [°] 21	9 [°] 23	n.a.								
F 29	6 41 47	13 [°] 21'37	26 [°] 35	11 [°] 53	22 [°] 54	4 [°] 19	2 [°] 27	11 [°] 18	10 [°] 39	9 [°] 11	28 [°] 17	5 [°] 35	4 [°] 18	9 [°] 30	n.a.								
S 30	6 45 43	14 [°] 20'43	8 ^z 29	11 [°] 0	24 [°] 9	4 [°] 4	2 [°] 24	11 [°] 14	10 [°] 37	9 [°] 10	28 [°] 18	5 [°] 29	4 [°] 15	9 [°] 37	n.a.								
S 31	6 49 40	15 ^z 19'48	20 ^z 28	10 ^z 8	25 ^z 23	3 ^Ω 47	2 ^z 21	11 ^Ω 10	10 ^Ω 35	9 ^Ω 8	28 ^z 19	5 ^{II} 24	4 ^{II} 12	9 ^Ω 44	n.a.								

Delta T = 24h39m09s Julian Calendar 1 Jan. 3321 BCE == Greg. Calendar 5 Dec. 3322 BCE

The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

FEBRUARY 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
M 1	6 53 36	16 ^z 18'50	2 ^z 36	9 [°] R18	26 ^z 37	3 [°] R30	2 [°] R18	11 [°] R 6	10 [°] R32	9 [°] R 7	28 ^z 20	5 [°] R21	4 ^{II} 9	9 ^Ω 50	n.a.								
T 2	6 57 33	17 [°] 17'50	14 [°] 58	8 ^z 31	27 [°] 51	3 ^Ω 12	2 ^z 14	11 ^Ω 2	10 ^Ω 30	9 ^Ω 5	28 [°] 21	5 [°] D20	4 [°] 5	9 [°] 57	n.a.								
W 3	7 1 30	18 [°] 16'48	27 [°] 38	7 [°] 48	29 [°] 5	2 [°] 54	2 [°] 11	10 [°] 59	10 [°] 28	9 [°] 4	28 [°] 22	5 ^{II} 21	4 [°] 2	10 [°] 4	n.a.								
T 4	7 5 26	19 [°] 15'45	10 ^{II} 39	7 [°] 8	0 ^z 19	2 [°] 35	2 [°] 7	10 [°] 55	10 [°] 26	9 [°] 2	28 [°] 23	5 [°] 22	3 [°] 59	10 [°] 10	n.a.								
F 5	7 9 23	20 [°] 14'39	24 [°] 7	6 [°] 34	1 [°] 33	2 [°] 15	2 [°] 3	10 [°] 51	10 [°] 23	9 [°] 1	28 [°] 24	5 [°] 23	3 [°] 56	10 [°] 17	n.a.								
S 6	7 13 19	21 [°] 13'32	8 ^z 2	6 [°] 4	2 [°] 47	1 [°] 56	1 [°] 59	10 [°] 46	10 [°] 21	8 [°] 59	28 [°] 26	5 [°] R24	3 [°] 53	10 [°] 24	n.a.								
S 7	7 17 16	22 [°] 12'23	22 [°] 24	5 [°] 40	4 [°] 2	1 [°] 35	1 [°] 55	10 [°] 42	10 [°] 19	8 [°] 58	28 [°] 27	5 [°] 22	3 [°] 50	10 [°] 31	n.a.								
M 8	7 21 12	23 [°] 11'12	7 ^z 12	5 [°] 21	5 [°] 16	1 [°] 15	1 [°] 51	10 [°] 38	10 [°] 16	8 [°] 56	28 [°] 28	5 [°] 19	3 [°] 46	10 [°] 37	n.a.								
T 9	7 25 9	24 [°] 9'58	22 [°] 17	5 [°] 8	6 [°] 30	0 [°] 53	1 [°] 46	10 [°] 34	10 [°] 14	8 [°] 55	28 [°] 29	5 [°] 14	3 [°] 43	10 [°] 44	n.a.								
W 10	7 29 6	25 [°] 8'42	7 ^z 32	5 [°] 0	7 [°] 44	0 [°] 32	1 [°] 41	10 [°] 30	10 [°] 11	8 [°] 53	28 [°] 30	5 [°] 7	3 [°] 40	10 [°] 51	n.a.								
T 11	7 33 2	26 [°] 7'24	22 [°] 44	4 [°] D58	8 [°] 57	0 [°] 10	1 [°] 36	10 [°] 26	10 [°] 9	8 [°] 52	28 [°] 31	4 [°] 59	3 [°] 37	10 [°] 57	n.a.								
F 12	7 36 59	27 [°] 6'04	7 ^z 45	5 [°] 1	10 [°] 11	29 ^z 48	1 [°] 31	10 [°] 21	10 [°] 6	8 [°] 50	28 [°] 32	4 [°] 51	3 [°] 34	11 [°] 4	n.a.								
S 13	7 40 55	28 [°] 4'41	22 [°] 25	5 [°] 10	11 [°] 25	29 [°] 26	1 [°] 26	10 [°] 17	10 [°] 4	8 [°] 48	28 [°] 34	4 [°] 45	3 [°] 30	11 [°] 11	n.a.								
S 14	7 44 52	29 [°] 3'16	6 ^z 40	5 [°] 23	12 [°] 39	29 [°] 4	1 [°] 21	10 [°] 13	10 [°] 2	8 [°] 47	28 [°] 35	4 [°] 41	3 [°] 27	11 [°] 18	n.a.								
M 15	7 48 48	0 ^z 1'48	20 [°] 27	5 [°] 42	13 [°] 53	28 [°] 42	1 [°] 15	10 [°] 8	9 [°] 59	8 [°] 45	28 [°] 36	4 [°] 39	3 [°] 24	11 [°] 24	n.a.								
T 16	7 52 45	1 [°] 0'18	3 ^z 48	6 [°] 5	15 [°] 7	28 [°] 19	1 [°] 10	10 [°] 4	9 [°] 57	8 [°] 44	28 [°] 37	4 [°] D38	3 [°] 21	11 [°] 31	n.a.								
W 17	7 56 41	1 [°] 58'46	16 [°] 45	6 [°] 33	16 [°] 21	27 [°] 57	1 [°] 4	10 [°] 0	9 [°] 54	8 [°] 42	28 [°] 39	4 [°] 39	3 [°] 18	11 [°] 38	n.a.								
T 18	8 0 38	2 [°] 57'11	29 [°] 22	7 [°] 4	17 [°] 35	27 [°] 34	0 [°] 58	9 [°] 55	9 [°] 51	8 [°] 40	28 [°] 40	4 [°] R40	3 [°] 15	11 [°] 44	n.a.								
F 19	8 4 34	3 [°] 55'34	11 ^{II} 44	7 [°] 40	18 [°] 48	27 [°] 12	0 [°] 52	9 [°] 51	9														

SWISS EPHEMERIS for the year 3321 BCE

MARCH 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	8 47 57	14 ³⁵ 28	23 ⁵ 59	17 ³ 57	2 ¹ 18	23 ⁰ R24	29 ⁰ R40	9 ⁰ R 2	9 ⁰ R21	8 ⁰ R21	28 ³ 55	3 ⁰ R10	2 ¹ 36	13 ⁰ Ω 5	n.a.
W 2	8 51 53	15 ⁰ 33'28	6 ¹ 37	19 ⁰ 10	3 ⁰ 31	23 ⁰ Ω 6	29 ⁰ Ω33	8 ⁰ Ω57	9 ⁰ Ω18	8 ⁰ Ω18	28 ⁰ 57	3 ⁰ II 8	2 ⁰ 33	13 ⁰ 12	n.a.
T 3	8 55 50	16 ⁰ 31'26	19 ⁰ 34	20 ⁰ 25	4 ⁰ 45	22 ⁰ 48	29 ⁰ 25	8 ⁰ 53	9 ⁰ 16	8 ⁰ 18	28 ⁰ 58	3 ⁰ D 8	2 ⁰ 30	13 ⁰ 18	n.a.
F 4	8 59 46	17 ⁰ 29'22	2 ⁰ 54	21 ⁰ 43	5 ⁰ 58	22 ⁰ 32	29 ⁰ 18	8 ⁰ 48	9 ⁰ 13	8 ⁰ 16	28 ⁰ 59	3 ⁰ R 8	2 ⁰ 27	13 ⁰ 25	n.a.
S 5	9 3 43	18 ⁰ 27'17	16 ⁰ 40	23 ⁰ 2	7 ⁰ 12	22 ⁰ 15	29 ⁰ 11	8 ⁰ 44	9 ⁰ 11	8 ⁰ 14	29 ⁰ 1	3 ⁰ 7	2 ⁰ 24	13 ⁰ 32	n.a.
S 6	9 7 39	19 ⁰ 25'11	0 ⁰ 54	24 ⁰ 24	8 ⁰ 25	22 ⁰ 0	29 ⁰ 3	8 ⁰ 40	9 ⁰ 8	8 ⁰ 13	29 ⁰ 2	3 ⁰ 5	2 ⁰ 21	13 ⁰ 39	n.a.
M 7	9 11 36	20 ⁰ 23'03	15 ⁰ 34	25 ⁰ 48	9 ⁰ 38	21 ⁰ 45	28 ⁰ 56	8 ⁰ 35	9 ⁰ 6	8 ⁰ 11	29 ⁰ 3	3 ⁰ 0	2 ⁰ 17	13 ⁰ 45	n.a.
T 8	9 15 33	21 ⁰ 20'54	0 ⁰ 36	27 ⁰ 15	10 ⁰ 52	21 ⁰ 31	28 ⁰ 48	8 ⁰ 31	9 ⁰ 3	8 ⁰ 10	29 ⁰ 5	2 ⁰ 53	2 ⁰ 14	13 ⁰ 52	n.a.
W 9	9 19 29	22 ⁰ 18'42	15 ⁰ 52	28 ⁰ 43	12 ⁰ 5	21 ⁰ 17	28 ⁰ 41	8 ⁰ 27	9 ⁰ 1	8 ⁰ 8	29 ⁰ 6	2 ⁰ 43	2 ⁰ 11	13 ⁰ 59	n.a.
T 10	9 23 26	23 ⁰ 16'30	1 ⁰ 10	0 ⁰ 13	13 ⁰ 18	21 ⁰ 4	28 ⁰ 33	8 ⁰ 22	8 ⁰ 58	8 ⁰ 6	29 ⁰ 8	2 ⁰ 32	2 ⁰ 8	14 ⁰ 6	n.a.
F 11	9 27 22	24 ⁰ 14'15	16 ⁰ 20	1 ⁰ 45	14 ⁰ 31	20 ⁰ 52	28 ⁰ 26	8 ⁰ 18	8 ⁰ 56	8 ⁰ 5	29 ⁰ 9	2 ⁰ 22	2 ⁰ 5	14 ⁰ 12	n.a.
S 12	9 31 19	25 ⁰ 11'59	1 ⁰ 11	3 ⁰ 20	15 ⁰ 45	20 ⁰ 41	28 ⁰ 18	8 ⁰ 14	8 ⁰ 54	8 ⁰ 3	29 ⁰ 10	2 ⁰ 13	2 ⁰ 2	14 ⁰ 19	n.a.
S 13	9 35 15	26 ⁰ 9'40	15 ⁰ 36	4 ⁰ 56	16 ⁰ 58	20 ⁰ 31	28 ⁰ 10	8 ⁰ 10	8 ⁰ 51	8 ⁰ 2	29 ⁰ 12	2 ⁰ 6	1 ⁰ 58	14 ⁰ 26	n.a.
M 14	9 39 12	27 ⁰ 7'20	29 ⁰ 32	6 ⁰ 34	18 ⁰ 11	20 ⁰ 21	28 ⁰ 3	8 ⁰ 6	8 ⁰ 49	8 ⁰ 0	29 ⁰ 13	2 ⁰ 2	1 ⁰ 55	14 ⁰ 32	n.a.
T 15	9 43 8	28 ⁰ 4'59	12 ⁰ 58	8 ⁰ 15	19 ⁰ 24	20 ⁰ 12	27 ⁰ 55	8 ⁰ 2	8 ⁰ 46	7 ⁰ 59	29 ⁰ 14	2 ⁰ 0	1 ⁰ 52	14 ⁰ 39	n.a.
W 16	9 47 5	29 ⁰ 2'35	25 ⁰ 58	9 ⁰ 57	20 ⁰ 37	20 ⁰ 5	27 ⁰ 48	7 ⁰ 58	8 ⁰ 44	7 ⁰ 57	29 ⁰ 16	1 ⁰ 59	1 ⁰ 49	14 ⁰ 46	n.a.
T 17	9 51 1	0 ⁰ 10	8 ⁰ 11	11 ⁰ 41	21 ⁰ 50	19 ⁰ 57	27 ⁰ 40	7 ⁰ 54	8 ⁰ 42	7 ⁰ 56	29 ⁰ 17	1 ⁰ 59	1 ⁰ 46	14 ⁰ 53	n.a.
F 18	9 54 58	0 ⁰ 57'43	20 ⁰ 53	13 ⁰ 27	23 ⁰ 3	19 ⁰ 51	27 ⁰ 32	7 ⁰ 50	8 ⁰ 39	7 ⁰ 54	29 ⁰ 18	1 ⁰ 58	1 ⁰ 42	14 ⁰ 59	n.a.
S 19	9 58 55	1 ⁰ 55'14	2 ⁰ 59	15 ⁰ 16	24 ⁰ 16	19 ⁰ 46	27 ⁰ 25	7 ⁰ 46	8 ⁰ 37	7 ⁰ 53	29 ⁰ 20	1 ⁰ 56	1 ⁰ 39	15 ⁰ 6	n.a.
S 20	10 2 51	2 ⁰ 52'44	14 ⁰ 56	17 ⁰ 6	25 ⁰ 29	19 ⁰ 41	27 ⁰ 17	7 ⁰ 42	8 ⁰ 35	7 ⁰ 51	29 ⁰ 21	1 ⁰ 51	1 ⁰ 36	15 ⁰ 13	n.a.
M 21	10 6 48	3 ⁰ 50'12	26 ⁰ 48	18 ⁰ 58	26 ⁰ 42	19 ⁰ 37	27 ⁰ 10	7 ⁰ 38	8 ⁰ 33	7 ⁰ 50	29 ⁰ 23	1 ⁰ 43	1 ⁰ 33	15 ⁰ 19	n.a.
T 22	10 10 44	4 ⁰ 47'38	8 ⁰ 39	20 ⁰ 52	27 ⁰ 55	19 ⁰ 34	27 ⁰ 2	7 ⁰ 34	8 ⁰ 30	7 ⁰ 49	29 ⁰ 24	1 ⁰ 32	1 ⁰ 30	15 ⁰ 26	n.a.
W 23	10 14 41	5 ⁰ 45'03	20 ⁰ 31	22 ⁰ 48	29 ⁰ 8	19 ⁰ 32	26 ⁰ 55	7 ⁰ 31	8 ⁰ 28	7 ⁰ 47	29 ⁰ 25	1 ⁰ 20	1 ⁰ 27	15 ⁰ 33	n.a.
T 24	10 18 37	6 ⁰ 42'27	2 ⁰ 26	24 ⁰ 46	0 ⁰ 21	19 ⁰ 31	26 ⁰ 47	7 ⁰ 27	8 ⁰ 26	7 ⁰ 46	29 ⁰ 27	1 ⁰ 6	1 ⁰ 23	15 ⁰ 40	n.a.
F 25	10 22 34	7 ⁰ 39'49	14 ⁰ 26	26 ⁰ 46	1 ⁰ 33	19 ⁰ D30	26 ⁰ 40	7 ⁰ 24	8 ⁰ 24	7 ⁰ 44	29 ⁰ 28	0 ⁰ 53	1 ⁰ 20	15 ⁰ 46	n.a.
S 26	10 26 30	8 ⁰ 37'10	26 ⁰ 31	28 ⁰ 47	2 ⁰ 46	19 ⁰ 30	26 ⁰ 32	7 ⁰ 20	8 ⁰ 22	7 ⁰ 43	29 ⁰ 29	0 ⁰ 40	1 ⁰ 17	15 ⁰ 53	n.a.
S 27	10 30 27	9 ⁰ 34'30	8 ⁰ 42	0 ⁰ 51	3 ⁰ 59	19 ⁰ 31	26 ⁰ 25	7 ⁰ 17	8 ⁰ 20	7 ⁰ 42	29 ⁰ 31	0 ⁰ 30	1 ⁰ 14	16 ⁰ 0	n.a.
M 28	10 34 24	10 ⁰ 31'49	21 ⁰ 2	2 ⁰ 56	5 ⁰ 11	19 ⁰ 33	26 ⁰ 18	7 ⁰ 13	8 ⁰ 18	7 ⁰ 40	29 ⁰ 32	0 ⁰ 22	1 ⁰ 11	16 ⁰ 6	n.a.
T 29	10 38 20	11 ⁰ 29'07	3 ⁰ 33	5 ⁰ 2	6 ⁰ 24	19 ⁰ 35	26 ⁰ 11	7 ⁰ 10	8 ⁰ 16	7 ⁰ 39	29 ⁰ 33	0 ⁰ 17	1 ⁰ 7	16 ⁰ 13	n.a.
W 30	10 42 17	12 ⁰ 26'24	16 ⁰ 16	7 ⁰ 10	7 ⁰ 37	19 ⁰ 39	26 ⁰ 4	7 ⁰ 7	8 ⁰ 14	7 ⁰ 38	29 ⁰ 35	0 ⁰ 14	1 ⁰ 4	16 ⁰ 20	n.a.
T 31	10 46 13	13 ⁰ 13'40	29 ⁰ 15	9 ⁰ 19	8 ⁰ 49	19 ⁰ Ω43	25 ⁰ Ω56	7 ⁰ Ω 3	8 ⁰ Ω12	7 ⁰ Ω36	29 ⁰ Ω36	0 ⁰ D14	1 ⁰ II 1	16 ⁰ Ω27	n.a.

Delta T = 24h39m04s Julian Calendar 1 March 3321 BCE == Greg. Calendar 3 Feb. 3321 BCE
 The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

APRIL 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
F 1	10 50 10	14 ⁰ 20'56	12 ⁰ 34	11 ⁰ 29	10 ⁰ Y 2	19 ⁰ Ω48	25 ⁰ R50	7 ⁰ R 0	8 ⁰ R10	7 ⁰ R35	29 ⁰ Ω37	0 ⁰ R14	0 ⁰ II58	16 ⁰ Ω33	n.a.
S 2	10 54 6	15 ⁰ 18'10	26 ⁰ 14	13 ⁰ 39	11 ⁰ 14	19 ⁰ 53	25 ⁰ Ω43	6 ⁰ Ω57	8 ⁰ Ω 8	7 ⁰ Ω34	29 ⁰ 39	0 ⁰ II14	0 ⁰ 55	16 ⁰ 40	n.a.
S 3	10 58 3	16 ⁰ 15'25	10 ⁰ 317	15 ⁰ 50	12 ⁰ 27	19 ⁰ 59	25 ⁰ 36	6 ⁰ 54	8 ⁰ 6	7 ⁰ 33	29 ⁰ 40	0 ⁰ 12	0 ⁰ 52	16 ⁰ 47	n.a.
M 4	11 1 59	17 ⁰ 12'38	24 ⁰ 44	18 ⁰ 2	13 ⁰ 39	20 ⁰ 6	25 ⁰ 29	6 ⁰ 51	8 ⁰ 5	7 ⁰ 32	29 ⁰ 41	0 ⁰ 8	0 ⁰ 48	16 ⁰ 54	n.a.
T 5	11 5 56	18 ⁰ 9'51	9 ⁰ Ω31	20 ⁰ 13	14 ⁰ 52	20 ⁰ 14	25 ⁰ 23	6 ⁰ 49	8 ⁰ 3	7 ⁰ 31	29 ⁰ 43	0 ⁰ 1	0 ⁰ 45	17 ⁰ 0	n.a.
W 6	11 9 53	19 ⁰ 7'03	24 ⁰ 33	22 ⁰ 24	16 ⁰ 4	20 ⁰ 22	25 ⁰ 16	6 ⁰ 46	8 ⁰ 1	7 ⁰ 29	29 ⁰ 44	29 ⁰ Ω52	0 ⁰ 42	17 ⁰ 7	n.a.
T 7	11 13 49	20 ⁰ 4'14	9 ⁰ Ω40	24 ⁰ 35	17 ⁰ 16	20 ⁰ 31	25 ⁰ 10	6 ⁰ 43	7 ⁰ 59	7 ⁰ 28	29 ⁰ 45	29 ⁰ 42	0 ⁰ 39	17 ⁰ 14	n.a.
F 8	11 17 46	21 ⁰ 1'25	24 ⁰ 42	26 ⁰ 44	18 ⁰ 29	20 ⁰ 41	25 ⁰ 4	6 ⁰ 41	7 ⁰ 58	7 ⁰ 27	29 ⁰ 47	29 ⁰ 33	0 ⁰ 36	17 ⁰ 20	n.a.
S 9	11 21 42	21 ⁰ 58'34	9 ⁰ Y30	28 ⁰ 53	19 ⁰ 41	20 ⁰ 52	24 ⁰ 57	6 ⁰ 38	7 ⁰ 56	7 ⁰ 26	29 ⁰ 48	29 ⁰ 24	0 ⁰ 33	17 ⁰ 27	n.a.
S 10	11 25 39	22 ⁰ 55'43	23 ⁰ 56	1 ⁰ Y 0	20 ⁰ 53	21 ⁰ 3	24 ⁰ 51	6 ⁰ 36	7 ⁰ 55	7 ⁰ 25	29 ⁰ 49	29 ⁰ 18	0 ⁰ 29	17 ⁰ 34	n.a.
M 11	11 29 35	23 ⁰ 52'51	7 ⁰ Ω55	3 ⁰ 6	22 ⁰ 5	21 ⁰ 15	24 ⁰ 46	6 ⁰ 33	7 ⁰ 53	7 ⁰ 24	29 ⁰ 50	29 ⁰ 13	0 ⁰ 26	17 ⁰ 41	n.a.
T 12	11 33 32	24 ⁰ 49'58	21 ⁰ 26	5 ⁰ 10	23 ⁰ 17	21 ⁰ 27	24 ⁰ 40	6 ⁰ 31	7 ⁰ 52	7 ⁰ 23	29 ⁰ 52	29 ⁰ 12	0 ⁰ 23	17 ⁰ 47	n.a.
W 13	11 37 28	25 ⁰ 47'04	4 ⁰ II30	7 ⁰ 12	24 ⁰ 30	21 ⁰ 40	24 ⁰ 34	6 ⁰ 29	7 ⁰ 50	7 ⁰ 22	29 ⁰ 53	29 ⁰ D11	0 ⁰ 20	17 ⁰ 54	n.a.
T 14	11 41 25	26 ⁰ 44'10	17 ⁰ 10	9 ⁰ 12	25 ⁰ 42	21 ⁰ 54	24 ⁰ 29	6 ⁰ 27	7 ⁰ 49	7 ⁰ 21	29 ⁰ 54	29 ⁰ 12	0 ⁰ 17	18 ⁰ 1	n.a.
F 15	11 45 22	27 ⁰ 41'14	29 ⁰ 31	11 ⁰ 11	26 ⁰ 54	22 ⁰ 8	24 ⁰ 23	6 ⁰ 25	7 ⁰ 47	7 ⁰ 20	29 ⁰ 55	29 ⁰ R12	0 ⁰ 13	18 ⁰ 7	n.a.
S 16	11 49 18	28 ⁰ 38'18	11 ⁰ Ω37	13 ⁰ 7	28 ⁰ 6	22 ⁰ 23	24 ⁰ 18	6 ⁰ 23	7 ⁰ 46	7 ⁰ 19	29 ⁰ 57	29 ⁰ 11	0 ⁰ 10	18 ⁰ 14	n.a.
S 17	11 53 15	29 ⁰ 35'21	23 ⁰ 34	15 ⁰ 0	29 ⁰ 18	22 ⁰ 38	24 ⁰ 13	6 ⁰ 21	7 ⁰ 45	7 ⁰ 19	29 ⁰ 58	29 ⁰ 9	0 ⁰ 7	18 ⁰ 21	n.a.
M 18	11 57 11	0 ⁰ Y32'23	5 ⁰ Ω27	16 ⁰ 52	0 ⁰ Ω29	22 ⁰ 54	24 ⁰ 8	6 ⁰ 19	7 ⁰ 44	7 ⁰ 18	29 ⁰ 59	29 ⁰ 3	0 ⁰ 4	18 ⁰ 28	n.a.
T 19	12 1 8	1 ⁰ 29'24	17 ⁰ 18	18 ⁰ 41	1 ⁰ 41	23									

SWISS EPHEMERIS for the year 3321 BCE

MAY 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	12 48 26	12°53'18	20°35	7♁21	16♁0	27♁8	23°R18	6°R 5	7°R32	7°R 9	0♁14	28°R 3	29♁23	19♁55	n.a.								
M 2	12 52 23	13°50'18	4♁50	8°38	17°11	27°31	23♁15	6♁ 4	7♁32	7♁ 9	0°15	28♁ 1	29°19	20° 2	n.a.								
T 3	12 56 20	14°47'18	19°20	9°52	18°22	27°54	23°13	6° 4	7°31	7° 9	0°16	27°58	29°16	20° 8	n.a.								
W 4	13 0 16	15°44'19	4♁ 0	11° 4	19°34	28°18	23°10	6° 4	7°31	7° 8	0°17	27°53	29°13	20°15	n.a.								
T 5	13 4 13	16°41'20	18°44	12°12	20°45	28°42	23° 8	6° 4	7°30	7° 8	0°18	27°47	29°10	20°22	n.a.								
F 6	13 8 9	17°38'21	3♁26	13°18	21°56	29° 6	23° 6	6°D 4	7°30	7° 8	0°19	27°41	29° 7	20°29	n.a.								
S 7	13 12 6	18°35'22	17°56	14°21	23° 7	29°31	23° 5	6° 4	7°30	7° 7	0°20	27°36	29° 4	20°35	n.a.								
S 8	13 16 2	19°32'24	2♁10	15°21	24°18	29°56	23° 3	6° 4	7°29	7° 7	0°21	27°32	29° 0	20°42	n.a.								
M 9	13 19 59	20°29'26	16° 2	16°17	25°29	0♁22	23° 2	6° 4	7°29	7° 7	0°22	27°30	28°57	20°49	n.a.								
T 10	13 23 55	21°26'28	29°30	17°11	26°40	0°48	23° 0	6° 4	7°29	7° 7	0°23	27°D29	28°54	20°55	n.a.								
W11	13 27 52	22°23'30	12♁35	18° 1	27°50	1°14	22°59	6° 5	7°29	7° 7	0°24	27°30	28°51	21° 2	n.a.								
T 12	13 31 48	23°20'33	25°17	18°47	29° 1	1°41	22°58	6° 5	7°D29	7° 6	0°25	27°31	28°48	21° 9	n.a.								
F 13	13 35 45	24°17'35	7♁40	19°30	0♁12	2° 8	22°58	6° 6	7°29	7° 6	0°25	27°33	28°44	21°16	n.a.								
S 14	13 39 42	25°14'38	19°49	20° 9	1°23	2°36	22°57	6° 7	7°29	7° 6	0°26	27°R34	28°41	21°22	n.a.								
S 15	13 43 38	26°11'41	1♁48	20°44	2°33	3° 3	22°57	6° 7	7°29	7°D 6	0°27	27°34	28°38	21°29	n.a.								
M16	13 47 35	27° 8'44	13°41	21°15	3°44	3°31	22°D57	6° 8	7°29	7° 6	0°28	27°33	28°35	21°36	n.a.								
T 17	13 51 31	28° 5'48	25°35	21°42	4°54	4° 0	22°57	6° 9	7°30	7° 6	0°29	27°30	28°32	21°43	n.a.								
W18	13 55 28	29° 2'52	7♁31	22° 5	6° 4	4°29	22°57	6°10	7°30	7° 6	0°30	27°26	28°29	21°49	n.a.								
T 19	13 59 24	29°59'56	19°35	22°23	7°15	4°58	22°57	6°11	7°30	7° 7	0°30	27°22	28°25	21°56	n.a.								
F 20	14 3 21	0♁57'00	1♁49	22°37	8°25	5°27	22°58	6°13	7°31	7° 7	0°31	27°18	28°22	22° 3	n.a.								
S 21	14 7 17	1°54'05	14°15	22°46	9°35	5°57	22°59	6°14	7°31	7° 7	0°32	27°14	28°19	22° 9	n.a.								
S 22	14 11 14	2°51'11	26°54	22°R50	10°45	6°27	23° 0	6°16	7°32	7° 7	0°33	27°10	28°16	22°16	n.a.								
M23	14 15 11	3°48'18	9♁47	22°49	11°55	6°57	23° 1	6°17	7°32	7° 7	0°33	27° 8	28°13	22°23	n.a.								
T 24	14 19 7	4°45'25	22°53	22°43	13° 5	7°27	23° 2	6°19	7°33	7° 8	0°34	27°D 7	28°10	22°30	n.a.								
W25	14 23 4	5°42'33	6♁13	22°32	14°15	7°58	23° 3	6°20	7°33	7° 8	0°35	27° 8	28° 6	22°36	n.a.								
T 26	14 27 0	6°39'43	19°45	22°17	15°25	8°29	23° 5	6°22	7°34	7° 8	0°35	27° 9	28° 3	22°43	n.a.								
F 27	14 30 57	7°36'53	3♁29	21°57	16°35	9° 0	23° 7	6°24	7°35	7° 9	0°36	27°10	28° 0	22°50	n.a.								
S 28	14 34 53	8°34'05	17°24	21°32	17°44	9°32	23° 9	6°26	7°36	7° 9	0°37	27°11	27°57	22°57	n.a.								
S 29	14 38 50	9°31'18	1♁28	21° 3	18°54	10° 4	23°11	6°28	7°37	7° 9	0°37	27°12	27°54	23° 3	n.a.								
M30	14 42 46	10°28'32	15°39	20°31	20° 3	10°36	23°13	6°31	7°37	7°10	0°38	27°R12	27°50	23°10	n.a.								
T 31	14 46 43	11°25'47	29°57	19♁54	21♁13	11♁ 8	23♁16	6♁33	7♁38	7♁10	0♁38	27♁11	27♁47	23♁17	n.a.								

Delta T = 24h38m58s Julian Calendar 1 May 3321 BCE == Greg. Calendar 4 Apr. 3321 BCE
 The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

JUNE 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	14 50 40	12°23'03	14♁16	19°R15	22♁22	11♁41	23♁19	6♁35	7♁39	7♁11	0♁39	27°R10	27♁44	23♁23	n.a.								
T 2	14 54 36	13°20'21	28°36	18♁34	23°31	12°14	23°22	6°38	7°41	7°11	0°40	27♁ 8	27°41	23°30	n.a.								
F 3	14 58 33	14°17'41	12♁50	17°50	24°40	12°47	23°25	6°40	7°42	7°12	0°40	27° 7	27°38	23°37	n.a.								
S 4	15 2 29	15°15'01	26°54	17° 6	25°49	13°20	23°28	6°43	7°43	7°13	0°41	27° 5	27°35	23°44	n.a.								
S 5	15 6 26	16°12'23	10♁45	16°21	26°58	13°54	23°31	6°46	7°44	7°13	0°41	27° 4	27°31	23°50	n.a.								
M 6	15 10 22	17° 9'46	24°20	15°38	28° 7	14°28	23°35	6°48	7°45	7°14	0°41	27°D 4	27°28	23°57	n.a.								
T 7	15 14 19	18° 7'11	7♁37	14°55	29°16	15° 2	23°39	6°51	7°47	7°15	0°42	27° 4	27°25	24° 4	n.a.								
W 8	15 18 15	19° 4'36	20°34	14°15	0♁25	15°36	23°42	6°54	7°48	7°15	0°42	27° 5	27°22	24°11	n.a.								
T 9	15 22 12	20° 2'03	3♁13	13°38	1°34	16°11	23°46	6°57	7°49	7°16	0°43	27° 5	27°19	24°17	n.a.								
F 10	15 26 9	20°59'31	15°36	13° 4	2°42	16°45	23°51	7° 0	7°51	7°17	0°43	27° 6	27°16	24°24	n.a.								
S 11	15 30 5	21°57'00	27°45	12°35	3°50	17°20	23°55	7° 4	7°52	7°18	0°43	27° 7	27°12	24°31	n.a.								
S 12	15 34 2	22°54'30	9♁45	12°11	4°59	17°55	24° 0	7° 7	7°54	7°19	0°44	27° 7	27° 9	24°37	n.a.								
M13	15 37 58	23°52'01	21°39	11°52	6° 7	18°31	24° 4	7°10	7°56	7°20	0°44	27°R 7	27° 6	24°44	n.a.								
T 14	15 41 55	24°49'33	3♁33	11°40	7°15	19° 6	24° 9	7°14	7°57	7°21	0°44	27° 7	27° 3	24°51	n.a.								
W15	15 45 51	25°47'07	15°31	11°D34	8°23	19°42	24°14	7°17	7°59	7°22	0°45	27° 7	27° 0	24°58	n.a.								
T 16	15 49 48	26°44'41	27°36	11°34	9°31	20°18	24°20	7°21	8° 1	7°23	0°45	27°D 7	26°56	25° 4	n.a.								
F 17	15 53 44	27°42'17	9♁54	11°42	10°39	20°54	24°25	7°25	8° 3	7°24	0°45	27° 7	26°53	25°11	n.a.								
S 18	15 57 41	28°39'54	22°27	11°56	11°46	21°30	24°30	7°29	8° 4	7°25	0°45	27° 7	26°50	25°18	n.a.								
S 19	16 1 38	29°37'33	5♁18	12°18	12°54	22° 7	24°36	7°32	8° 6	7°26	0°45	27° 7	26°47	25°24	n.a.								
M20	16 5 34	0♁35'13	18°27	12°47	14° 1	22°44	24°42	7°36	8° 8	7°27	0°46	27° 7	26°44	25°31	n.a.								
T 21	16 9 31	1°32'55	1♁55	13°23	15° 8	23°20	24°48	7°40	8°10	7°28	0°46	27°R 7	26°41	25°38	n.a.								
W22	16 13 27	2°30'39	15°40	14° 5	16°15	23°57	24°54	7°45	8°12	7°29	0°46	27° 7	26°37	25°45	n.a.								
T 23	16 17 24	3°28'24	29°39	14°55	17°22	24°35	25° 0	7°49	8°14	7°30	0°46	27° 7	26°34	25°51	n.a.								
F 24	16 21 20	4°26'11	13♁49	15°52	18°29	25°12	25° 7	7°53	8°16	7°31	0°46	27° 6	26°31	25°58	n.a.								
S 25	16 25 17	5°24'01	28° 6	16°55	19°35	25°50	25°13	7°57	8°19	7°33	0°46	27° 5	26°28	26° 5	n.a.								
S 26	16 29 13	6°21'52	12♁26	18° 4	20°42	26°27	25°20	8° 2	8°21	7°34	0°46	27° 4	26°25	26°12	n.a.								
M27	16 33 10	7°19'45	26°44	19°20	21°48	27° 5	25°27	8° 6	8°23	7°35	0°R46	27° 4	26°22	26°18	n.a.								
T 28	16 37 7	8°17'40	10♁58	20°41	22°54	27°43	25°34	8°11	8°25	7°37	0°46	27°D 3	26°18	26°25	n.a.								
W29	16 41 3	9°15'37	25° 6	22° 7	24° 0	28°21	25°41	8°15	8°28	7°38	0°46	27° 4	26°15	26°32	n.a.								
T 30	16 45 0	10°13'36	9♁ 4	23♁38	25♁ 6	29♁ 0	25♁48	8♁20	8♁30	7♁39	0♁46	27♁ 5	26♁12	26♁38	n.a.								

Delta T = 24h38m55s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [7.2.2007]

SWISS EPHEMERIS for the year 3321 BCE

JULY 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
F 1	16 48 56	11II11'38	22V53	25R14	26S12	29Q38	25Q55	8Q25	8Q33	7Q41	0°R46	27R 6	26R 9	26Q45	n.a.	
S 2	16 52 53	12° 9'41	6R31	26°54	27°17	0M17	26° 3	8°30	8°35	7°42	0R46	27° 7	26° 6	26°52	n.a.	
S 3	16 56 49	13° 7'47	19°56	28°37	28°22	0°56	26°10	8°34	8°37	7°44	0°46	27° 8	26° 2	26°59	n.a.	
M 4	17 0 46	14° 5'55	3II 8	0II23	29°28	1°35	26°18	8°39	8°40	7°45	0°46	27°R 8	25°59	27° 5	n.a.	
T 5	17 4 42	15° 4'05	16° 6	2°12	0Q32	2°14	26°26	8°44	8°43	7°47	0°45	27° 7	25°56	27°12	n.a.	
W 6	17 8 39	16° 2'16	28°50	4° 4	1°37	2°53	26°34	8°49	8°45	7°48	0°45	27° 5	25°53	27°19	n.a.	
T 7	17 12 36	17° 0'30	11S20	5°56	2°42	3°33	26°42	8°55	8°48	7°50	0°45	27° 2	25°50	27°26	n.a.	
F 8	17 16 32	17°58'46	23°38	7°51	3°46	4°12	26°50	9° 0	8°51	7°51	0°45	26°59	25°47	27°32	n.a.	
S 9	17 20 29	18°57'03	5Q45	9°46	4°50	4°52	26°59	9° 5	8°53	7°53	0°45	26°56	25°43	27°39	n.a.	
S 10	17 24 25	19°55'22	17°43	11°42	5°54	5°32	27° 7	9°10	8°56	7°55	0°44	26°52	25°40	27°46	n.a.	
M11	17 28 22	20°53'43	29°37	13°39	6°58	6°12	27°16	9°16	8°59	7°56	0°44	26°50	25°37	27°52	n.a.	
T 12	17 32 18	21°52'06	11M29	15°35	8° 1	6°52	27°25	9°21	9° 2	7°58	0°44	26°48	25°34	27°59	n.a.	
W13	17 36 15	22°50'31	23°25	17°32	9° 4	7°32	27°34	9°27	9° 5	8° 0	0°43	26°D48	25°31	28° 6	n.a.	
T 14	17 40 12	23°48'57	5R29	19°28	10° 7	8°13	27°43	9°32	9° 8	8° 1	0°43	26°48	25°27	28°13	n.a.	
F 15	17 44 8	24°47'26	17°45	21°23	11°10	8°53	27°52	9°38	9°10	8° 3	0°43	26°50	25°24	28°19	n.a.	
S 16	17 48 5	25°45'56	0M19	23°19	12°12	9°34	28° 1	9°43	9°13	8° 5	0°42	26°51	25°21	28°26	n.a.	
S 17	17 52 1	26°44'28	13°14	25°13	13°14	10°15	28°10	9°49	9°16	8° 7	0°42	26°53	25°18	28°33	n.a.	
M18	17 55 58	27°43'02	26°33	27° 7	14°16	10°56	28°20	9°55	9°19	8° 8	0°42	26°R53	25°15	28°40	n.a.	
T 19	17 59 54	28°41'38	10R16	28°59	15°17	11°37	28°29	10° 1	9°23	8°10	0°41	26°53	25°12	28°46	n.a.	
W20	18 3 51	29°40'16	24°21	0S51	16°18	12°18	28°39	10° 6	9°26	8°12	0°41	26°50	25° 8	28°53	n.a.	
T 21	18 7 47	0S38'57	8R47	2°42	17°19	12°59	28°49	10°12	9°29	8°14	0°40	26°47	25° 5	29° 0	n.a.	
F 22	18 11 44	1°37'39	23°25	4°32	18°19	13°41	28°58	10°18	9°32	8°16	0°40	26°42	25° 2	29° 6	n.a.	
S 23	18 15 41	2°36'24	8R10	6°21	19°20	14°22	29° 8	10°24	9°35	8°18	0°39	26°36	24°59	29°13	n.a.	
S 24	18 19 37	3°35'12	22°53	8° 8	20°19	15° 4	29°18	10°30	9°38	8°20	0°39	26°31	24°56	29°20	n.a.	
M25	18 23 34	4°34'02	7R29	9°55	21°19	15°45	29°29	10°36	9°42	8°22	0°38	26°27	24°53	29°27	n.a.	
T 26	18 27 30	5°32'54	21°51	11°41	22°18	16°27	29°39	10°42	9°45	8°23	0°37	26°25	24°49	29°33	n.a.	
W27	18 31 27	6°31'48	5V57	13°26	23°16	17° 9	29°49	10°49	9°48	8°25	0°37	26°D24	24°46	29°40	n.a.	
T 28	18 35 23	7°30'46	19°46	15°10	24°15	17°51	0M0	10°55	9°51	8°27	0°36	26°25	24°43	29°47	n.a.	
F 29	18 39 20	8°29'45	3R18	16°53	25°12	18°33	0°10	11° 1	9°55	8°29	0°36	26°26	24°40	29°54	n.a.	
S 30	18 43 16	9°28'48	16°35	18°35	26°10	19°15	0°21	11° 7	9°58	8°31	0°35	26°27	24°37	0M0	n.a.	
S 31	18 47 13	10S27'53	29R37	20S16	27Q 7	19M58	0M32	11Q14	10Q 2	8Q33	0R34	26°R28	24R33	0M7	n.a.	

Delta T = 24h38m52s Julian Calendar 1 July 3321 BCE == Greg. Calendar 4 June 3321 BCE
 The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

AUGUST 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♃	♄
M 1	18 51 10	11S27'00	12II27	21S56	28Q 3	20M40	0M42	11Q20	10Q 5	8Q35	0°R34	26°R26	24R30	0M14	n.a.	
T 2	18 55 6	12°26'10	25° 5	23°35	28°59	21°23	0°53	11°27	10° 8	8°38	0R33	26R23	24°27	0°20	n.a.	
W 3	18 59 3	13°25'22	7S33	25°13	29°55	22° 5	1° 4	11°33	10°12	8°40	0°32	26°17	24°24	0°27	n.a.	
T 4	19 2 59	14°24'37	19°51	26°50	0M50	22°48	1°15	11°39	10°15	8°42	0°32	26° 9	24°21	0°34	n.a.	
F 5	19 6 56	15°23'54	2Q 1	28°27	1°44	23°31	1°26	11°46	10°19	8°44	0°31	26° 0	24°18	0°41	n.a.	
S 6	19 10 52	16°23'13	14° 3	0Q 2	2°38	24°14	1°38	11°52	10°22	8°46	0°30	25°50	24°14	0°47	n.a.	
S 7	19 14 49	17°22'34	25°58	1°37	3°31	24°57	1°49	11°59	10°26	8°48	0°29	25°41	24°11	0°54	n.a.	
M 8	19 18 45	18°21'57	7M50	3°11	4°24	25°40	2° 0	12° 6	10°30	8°50	0°28	25°32	24° 8	1° 1	n.a.	
T 9	19 22 42	19°21'22	19°40	4°44	5°16	26°23	2°12	12°12	10°33	8°52	0°28	25°26	24° 5	1° 8	n.a.	
W10	19 26 39	20°20'49	1R33	6°16	6° 7	27° 7	2°23	12°19	10°37	8°54	0°27	25°21	24° 2	1°14	n.a.	
T 11	19 30 35	21°20'18	13°34	7°47	6°58	27°50	2°35	12°26	10°40	8°57	0°26	25°19	23°59	1°21	n.a.	
F 12	19 34 32	22°19'49	25°46	9°18	7°48	28°34	2°47	12°32	10°44	8°59	0°25	25°D19	23°55	1°28	n.a.	
S 13	19 38 28	23°19'22	8M16	10°47	8°38	29°17	2°58	12°39	10°48	9° 1	0°24	25°20	23°52	1°34	n.a.	
S 14	19 42 25	24°18'58	21° 7	12°16	9°26	0Q 1	3°10	12°46	10°51	9° 3	0°23	25°R20	23°49	1°41	n.a.	
M15	19 46 21	25°18'35	4R25	13°44	10°14	0°45	3°22	12°53	10°55	9° 5	0°22	25°20	23°46	1°48	n.a.	
T 16	19 50 18	26°18'14	18°11	15°12	11° 1	1°28	3°34	12°59	10°59	9° 8	0°22	25°18	23°43	1°55	n.a.	
W17	19 54 14	27°17'56	2S25	16°38	11°47	2°12	3°46	13° 6	11° 2	9°10	0°21	25°13	23°39	2° 1	n.a.	
T 18	19 58 11	28°17'39	17° 5	18° 4	12°32	2°56	3°58	13°13	11° 6	9°12	0°20	25° 6	23°36	2° 8	n.a.	
F 19	20 2 8	29°17'25	2R 4	19°28	13°16	3°40	4°10	13°20	11°10	9°14	0°19	24°57	23°33	2°15	n.a.	
S 20	20 6 4	0Q17'12	17°14	20°52	13°59	4°24	4°22	13°27	11°14	9°16	0°18	24°47	23°30	2°22	n.a.	
S 21	20 10 1	1°17'02	2R22	22°15	14°41	5° 8	4°35	13°34	11°17	9°19	0°17	24°37	23°27	2°28	n.a.	
M22	20 13 57	2°16'55	17°20	23°36	15°22	5°53	4°47	13°41	11°21	9°21	0°16	24°29	23°24	2°35	n.a.	
T 23	20 17 54	3°16'49	1V59	24°57	16° 2	6°37	4°59	13°48	11°25	9°23	0°15	24°23	23°20	2°42	n.a.	
W24	20 21 50	4°16'47	16°15	26°16	16°41	7°21	5°12	13°55	11°29	9°25	0°14	24°20	23°17	2°48	n.a.	
T 25	20 25 47	5°16'46	0R 6	27°35	17°19	8° 6	5°24	14° 2	11°32	9°28	0°13	24°D18	23°14	2°55	n.a.	
F 26	20 29 43	6°16'48	13°34	28°52	17°55	8°50	5°37	14° 8	11°36	9°30	0°12	24°18	23°11	3° 2	n.a.	
S 27	20 33 40	7°16'53	26°41	0M7	18°31	9°35	5°49	14°15	11°40	9°32	0°11	24°R19	23° 8	3° 9	n.a.	
S 28	20 37 37	8°17'00	9II29	1°21	19° 4	10°19	6° 2	14°22	11°44	9°34	0°10	24°18	23° 5	3°15	n.a.	
M29	20 41 33	9°17'09	22° 3	2°34	19°37	11° 4	6°15	14°29	11°47	9°37	0° 9	24°15	23° 1	3°22	n.a.	
T 30	20 45 30	10°17'21	4S26	3°45	20° 8	11°49	6°28	14°36	11°51	9°39	0° 8	24° 9	22°58	3°29	n.a.	
W31	20 49 26	11Q17'35	16S39	4M54	20M37	12Q34	6M40	14Q43	11Q55	9Q41	0R 7	24R 0	22R55	3M35	n.a.	

Delta T = 24h38m49s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [7.2.2007]

SWISS EPHEMERIS for the year 3321 BCE

SEPTEMBER 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	20 53 23	12♌17°50	28♄46	6♍0	21♍5	13♌19	6♍53	14♌50	11♌59	9♌43	0°R 5	23°R48	22♄52	3♍42	n.a.		
F 2	20 57 19	13°18'09	10♌47	7° 5	21°32	14° 3	7° 6	14°57	12° 3	9°46	0°H 4	23♄34	22°49	3°49	n.a.		
S 3	21 1 16	14°18'29	22°43	8° 6	21°57	14°48	7°19	15° 5	12° 6	9°48	0° 3	23°19	22°45	3°56	n.a.		
S 4	21 5 13	15°18'50	4♍36	9° 5	22°20	15°34	7°32	15°12	12°10	9°50	0° 2	23° 5	22°42	4° 2	n.a.		
M 5	21 9 9	16°19'14	16°26	10° 1	22°41	16°19	7°45	15°19	12°14	9°52	0° 1	22°52	22°39	4° 9	n.a.		
T 6	21 13 6	17°19'40	28°17	10°53	23° 0	17° 4	7°58	15°26	12°18	9°55	0° 0	22°41	22°36	4°16	n.a.		
W 7	21 17 2	18°20'07	10♌10	11°41	23°17	17°49	8°11	15°33	12°21	9°57	29♄59	22°33	22°33	4°23	n.a.		
T 8	21 20 59	19°20'36	22°10	12°24	23°33	18°34	8°24	15°40	12°25	9°59	29°58	22°28	22°30	4°29	n.a.		
F 9	21 24 55	20°21'07	4♍19	13° 3	23°46	19°20	8°37	15°47	12°29	10° 1	29°57	22°26	22°26	4°36	n.a.		
S 10	21 28 52	21°21'39	16°44	13°36	23°57	20° 5	8°50	15°54	12°33	10° 4	29°55	22°25	22°23	4°43	n.a.		
S 11	21 32 48	22°22'13	29°29	14° 3	24° 6	20°50	9° 4	16° 1	12°37	10° 6	29°54	22°25	22°20	4°49	n.a.		
M12	21 36 45	23°22'49	12♄39	14°23	24°13	21°36	9°17	16° 8	12°40	10° 8	29°53	22°25	22°17	4°56	n.a.		
T13	21 40 41	24°23'26	26°17	14°36	24°17	22°21	9°30	16°15	12°44	10°10	29°52	22°22	22°14	5° 3	n.a.		
W14	21 44 38	25°24'04	10♌26	14°R40	24°R19	23° 7	9°43	16°22	12°48	10°12	29°51	22°17	22°11	5°10	n.a.		
T15	21 48 35	26°24'44	25° 4	14°36	24°19	23°52	9°57	16°28	12°51	10°15	29°50	22° 9	22° 7	5°16	n.a.		
F16	21 52 31	27°25'26	10♄6	14°22	24°16	24°38	10°10	16°35	12°55	10°17	29°49	21°58	22° 4	5°23	n.a.		
S17	21 56 28	28°26'09	25°24	13°58	24°10	25°24	10°23	16°42	12°59	10°19	29°48	21°47	22° 1	5°30	n.a.		
S18	22 0 24	29°26'53	10♄47	13°24	24° 3	26° 9	10°37	16°49	13° 3	10°21	29°46	21°36	21°58	5°36	n.a.		
M19	22 4 21	0♍27°40	26° 2	12°40	23°53	26°55	10°50	16°56	13° 6	10°23	29°45	21°26	21°55	5°43	n.a.		
T20	22 8 17	1°28'27	10♄59	11°47	23°40	27°41	11° 4	17° 3	13°10	10°25	29°44	21°18	21°51	5°50	n.a.		
W21	22 12 14	2°29'17	25°30	10°44	23°25	28°26	11°17	17°10	13°13	10°27	29°43	21°14	21°48	5°57	n.a.		
T22	22 16 10	3°30'09	9♄33	9°33	23° 7	29°12	11°31	17°17	13°17	10°30	29°42	21°11	21°45	6° 3	n.a.		
F23	22 20 7	4°31'02	23° 8	8°17	22°48	29°58	11°44	17°24	13°21	10°32	29°41	21°D11	21°42	6°10	n.a.		
S24	22 24 4	5°31'57	6♍16	6°56	22°26	0♍44	11°58	17°30	13°24	10°34	29°40	21°R11	21°39	6°17	n.a.		
S25	22 28 0	6°32'54	19° 2	5°35	22° 1	1°30	12°11	17°37	13°28	10°36	29°38	21°11	21°36	6°24	n.a.		
M26	22 31 57	7°33'53	1♄31	4°15	21°35	2°16	12°25	17°44	13°31	10°38	29°37	21° 8	21°32	6°30	n.a.		
T27	22 35 53	8°34'53	13°45	2°59	21° 7	3° 2	12°38	17°51	13°35	10°40	29°36	21° 3	21°29	6°37	n.a.		
W28	22 39 50	9°35'55	25°50	1°50	20°37	3°48	12°52	17°57	13°38	10°42	29°35	20°55	21°26	6°44	n.a.		
T29	22 43 46	10°36'58	7♌48	0°49	20° 6	4°34	13° 5	18° 4	13°42	10°44	29°34	20°44	21°23	6°50	n.a.		
F30	22 47 43	11♍38'03	19♌42	29♌59	19♍33	5♍20	13♍19	18♌11	13♌45	10♌46	29♄33	20♄31	21♄20	6♍57	n.a.		

Delta T = 24h38m46s Julian Calendar 1 Sept. 3321 BCE == Greg. Calendar 5 Aug. 3321 BCE
 The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

OCTOBER 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	22 51 39	12♍39°08	1♍35	29°R20	19°R 0	6♍ 6	13♍32	18♌17	13♌49	10♌48	29°R32	20°R18	21♄17	7♍ 4	n.a.		
S 2	22 55 36	13°40'16	13°26	28♌52	18♍25	6°52	13°46	18°24	13°52	10°50	29♄31	20♄ 4	21°13	7°11	n.a.		
M 3	22 59 33	14°41'24	25°19	28°36	17°49	7°38	13°59	18°30	13°56	10°52	29°29	19°52	21°10	7°17	n.a.		
T 4	23 3 29	15°42'33	7♄14	28°D31	17°13	8°24	14°13	18°37	13°59	10°54	29°28	19°42	21° 7	7°24	n.a.		
W 5	23 7 26	16°43'43	19°12	28°37	16°37	9°10	14°26	18°43	14° 2	10°56	29°27	19°34	21° 4	7°31	n.a.		
T 6	23 11 22	17°44'54	1♍17	28°53	16° 0	9°56	14°40	18°50	14° 6	10°58	29°26	19°30	21° 1	7°37	n.a.		
F 7	23 15 19	18°46'07	13°31	29°18	15°24	10°43	14°54	18°56	14° 9	11° 0	29°25	19°28	20°57	7°44	n.a.		
S 8	23 19 15	19°47'19	25°57	29°51	14°49	11°29	15° 7	19° 3	14°12	11° 1	29°24	19°D28	20°54	7°51	n.a.		
S 9	23 23 12	20°48'33	8♄40	0♍32	14°14	12°15	15°21	19° 9	14°16	11° 3	29°23	19°29	20°51	7°58	n.a.		
M10	23 27 8	21°49'47	21°44	1°19	13°40	13° 1	15°34	19°15	14°19	11° 5	29°22	19°R29	20°48	8° 4	n.a.		
T11	23 31 5	22°51'02	5♄13	2°12	13° 8	13°47	15°48	19°22	14°22	11° 7	29°21	19°29	20°45	8°11	n.a.		
W12	23 35 2	23°52'17	19° 9	3°10	12°36	14°34	16° 1	19°28	14°25	11° 9	29°20	19°26	20°42	8°18	n.a.		
T13	23 38 58	24°53'33	3♄32	4°12	12° 7	15°20	16°15	19°34	14°28	11°10	29°19	19°21	20°38	8°24	n.a.		
F14	23 42 55	25°54'49	18°20	5°19	11°39	16° 6	16°28	19°40	14°31	11°12	29°18	19°14	20°35	8°31	n.a.		
S15	23 46 51	26°56'06	3♄26	6°28	11°13	16°52	16°42	19°46	14°34	11°14	29°17	19° 5	20°32	8°38	n.a.		
S16	23 50 48	27°57'23	18°43	7°41	10°49	17°39	16°55	19°52	14°37	11°16	29°16	18°57	20°29	8°45	n.a.		
M17	23 54 44	28°58'40	3♄57	8°56	10°28	18°25	17° 9	19°58	14°40	11°17	29°15	18°50	20°26	8°51	n.a.		
T18	23 58 41	29°59'58	19° 0	10°13	10° 9	19°11	17°22	20° 4	14°43	11°19	29°14	18°44	20°22	8°58	n.a.		
W19	0 2 37	1♄ 1'17	3♄41	11°32	9°52	19°57	17°35	20°10	14°46	11°21	29°13	18°41	20°19	9° 5	n.a.		
T20	0 6 34	2° 2'37	17°56	12°52	9°37	20°44	17°49	20°16	14°49	11°22	29°12	18°D40	20°16	9°11	n.a.		
F21	0 10 31	3° 3'57	1♍42	14°14	9°26	21°30	18° 2	20°22	14°52	11°24	29°11	18°41	20°13	9°18	n.a.		
S22	0 14 27	4° 5'18	15° 0	15°38	9°16	22°16	18°15	20°27	14°55	11°25	29°10	18°42	20°10	9°25	n.a.		
S23	0 18 24	5° 6'40	27°52	17° 2	9° 9	23° 3	18°29	20°33	14°58	11°27	29° 9	18°43	20° 7	9°32	n.a.		
M24	0 22 20	6° 8'02	10♄24	18°27	9° 5	23°49	18°42	20°39	15° 0	11°28	29° 8	18°R43	20° 3	9°38	n.a.		
T25	0 26 17	7° 9'25	22°38	19°53	9°D 3	24°35	18°55	20°44	15° 3	11°30	29° 7	18°42	20° 0	9°45	n.a.		
W26	0 30 13	8°10'48	4♌41	21°20	9° 4	25°21	19° 9	20°50	15° 6	11°31	29° 6	18°39	19°57	9°52	n.a.		
T27	0 34 10	9°12'16	16°36	22°48	9° 7	26° 8	19°22	20°55	15° 8	11°33	29° 6	18°33	19°54	9°58	n.a.		
F28	0 38 6	10°13'36	28°28	24°16	9°13	26°54	19°35	21° 0	15°11	11°34	29° 5	18°27	19°51	10° 5	n.a.		
S29	0 42 3	11°15'00	10♍18	25°45	9°20	27°40	19°48	21° 6	15°13	11°35	29° 4	18°19	19°48	10°12	n.a.		
S30	0 46 0	12°16'24	22°11	27°14	9°30	28°26	20° 1	21°11	15°16	11°37	29° 3	18°12	19°44	10°19	n.a.		
M31	0 49 56	13♄17'49	4♄ 8	28♍43	9♍43	29♍13	20♍14	21♌16	15♌18	11♌38	29♄ 2	18♄ 5	19♄41	10♍25	n.a.		

Delta T = 24h38m43s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [7.2.2007]

SWISS EPHEMERIS for the year 3321 BCE

NOVEMBER 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	0 53 53	14 ^h 19'13	16 ^h 10	0 ^h 13	9 ^h 57	29 ^h 59	20 ^h 27	21 ^h 21	15 ^h 21	11 ^h 39	29 ^h R 2	18 ^h R 0	19 ^h 38	10 ^h 32	n.a.
W 2	0 57 49	15 ^h 20'37	28 ^h 19	1 ^h 44	10 ^h 14	0 ^h 45	20 ^h 40	21 ^h 26	15 ^h 23	11 ^h 40	29 ^h 1	17 ^h 56	19 ^h 35	10 ^h 39	n.a.
T 3	1 1 46	16 ^h 22'02	10 ^h 36	3 ^h 14	10 ^h 33	1 ^h 31	20 ^h 53	21 ^h 31	15 ^h 25	11 ^h 42	29 ^h 0	17 ^h 55	19 ^h 32	10 ^h 45	n.a.
F 4	1 5 42	17 ^h 23'26	23 ^h 3	4 ^h 46	10 ^h 53	2 ^h 18	21 ^h 6	21 ^h 36	15 ^h 28	11 ^h 43	28 ^h 59	17 ^h D55	19 ^h 28	10 ^h 52	n.a.
S 5	1 9 39	18 ^h 24'49	5 ^h 42	6 ^h 17	11 ^h 16	3 ^h 4	21 ^h 19	21 ^h 41	15 ^h 30	11 ^h 44	28 ^h 59	17 ^h 56	19 ^h 25	10 ^h 59	n.a.
S 6	1 13 35	19 ^h 26'13	18 ^h 35	7 ^h 49	11 ^h 40	3 ^h 50	21 ^h 32	21 ^h 46	15 ^h 32	11 ^h 45	28 ^h 58	17 ^h 57	19 ^h 22	11 ^h 6	n.a.
M 7	1 17 32	20 ^h 27'36	1 ^h 34	9 ^h 21	12 ^h 6	4 ^h 36	21 ^h 44	21 ^h 51	15 ^h 34	11 ^h 46	28 ^h 57	17 ^h 59	19 ^h 19	11 ^h 12	n.a.
T 8	1 21 29	21 ^h 28'58	15 ^h 11	10 ^h 53	12 ^h 34	5 ^h 22	21 ^h 57	21 ^h 55	15 ^h 36	11 ^h 47	28 ^h 57	18 ^h R 0	19 ^h 16	11 ^h 19	n.a.
W 9	1 25 25	22 ^h 30'19	28 ^h 58	12 ^h 26	13 ^h 4	6 ^h 8	22 ^h 10	22 ^h 0	15 ^h 38	11 ^h 48	28 ^h 56	18 ^h 0	19 ^h 13	11 ^h 26	n.a.
T 10	1 29 22	23 ^h 31'40	13 ^h 35	13 ^h 59	13 ^h 35	6 ^h 55	22 ^h 22	22 ^h 4	15 ^h 40	11 ^h 49	28 ^h 56	17 ^h 59	19 ^h 9	11 ^h 32	n.a.
F 11	1 33 18	24 ^h 33'00	2 ^h 32	15 ^h 33	14 ^h 7	7 ^h 41	22 ^h 35	22 ^h 9	15 ^h 42	11 ^h 50	28 ^h 55	17 ^h 56	19 ^h 6	11 ^h 39	n.a.
S 12	1 37 15	25 ^h 34'19	12 ^h 15	17 ^h 7	14 ^h 41	8 ^h 27	22 ^h 47	22 ^h 13	15 ^h 44	11 ^h 51	28 ^h 54	17 ^h 53	19 ^h 3	11 ^h 46	n.a.
S 13	1 41 11	26 ^h 35'38	2 ^h 7	18 ^h 41	15 ^h 17	9 ^h 13	23 ^h 0	22 ^h 17	15 ^h 46	11 ^h 52	28 ^h 54	17 ^h 50	19 ^h 0	11 ^h 53	n.a.
M 14	1 45 8	27 ^h 36'55	12 ^h 2	20 ^h 16	15 ^h 54	9 ^h 59	23 ^h 12	22 ^h 21	15 ^h 48	11 ^h 53	28 ^h 53	17 ^h 48	18 ^h 57	11 ^h 59	n.a.
T 15	1 49 4	28 ^h 38'12	26 ^h 50	21 ^h 51	16 ^h 32	10 ^h 45	23 ^h 24	22 ^h 26	15 ^h 50	11 ^h 54	28 ^h 53	17 ^h 46	18 ^h 53	12 ^h 6	n.a.
W 16	1 53 1	29 ^h 39'29	11 ^h 25	23 ^h 26	17 ^h 11	11 ^h 31	23 ^h 37	22 ^h 30	15 ^h 51	11 ^h 55	28 ^h 52	17 ^h D45	18 ^h 50	12 ^h 13	n.a.
T 17	1 56 57	0 ^h 40'44	25 ^h 40	25 ^h 2	17 ^h 52	12 ^h 17	23 ^h 49	22 ^h 34	15 ^h 53	11 ^h 55	28 ^h 52	17 ^h 45	18 ^h 47	12 ^h 19	n.a.
F 18	2 0 54	1 ^h 42'00	9 ^h 31	26 ^h 39	18 ^h 34	13 ^h 3	24 ^h 1	22 ^h 37	15 ^h 54	11 ^h 56	28 ^h 51	17 ^h 46	18 ^h 44	12 ^h 26	n.a.
S 19	2 4 51	2 ^h 43'14	22 ^h 56	28 ^h 15	19 ^h 17	13 ^h 49	24 ^h 13	22 ^h 41	15 ^h 56	11 ^h 57	28 ^h 51	17 ^h 47	18 ^h 41	12 ^h 33	n.a.
S 20	2 8 47	3 ^h 44'28	5 ^h 56	29 ^h 53	20 ^h 1	14 ^h 35	24 ^h 25	22 ^h 45	15 ^h 57	11 ^h 58	28 ^h 51	17 ^h 48	18 ^h 38	12 ^h 40	n.a.
M 21	2 12 44	4 ^h 45'42	18 ^h 34	1 ^h 31	20 ^h 46	15 ^h 20	24 ^h 37	22 ^h 48	15 ^h 59	11 ^h 58	28 ^h 50	17 ^h 49	18 ^h 34	12 ^h 46	n.a.
T 22	2 16 40	5 ^h 46'55	0 ^h 54	3 ^h 9	21 ^h 32	16 ^h 6	24 ^h 49	22 ^h 52	16 ^h 0	11 ^h 59	28 ^h 50	17 ^h R50	18 ^h 31	12 ^h 53	n.a.
W 23	2 20 37	6 ^h 48'07	12 ^h 59	4 ^h 48	22 ^h 19	16 ^h 52	25 ^h 1	22 ^h 55	16 ^h 2	11 ^h 59	28 ^h 49	17 ^h 50	18 ^h 28	13 ^h 0	n.a.
T 24	2 24 33	7 ^h 49'18	24 ^h 55	6 ^h 28	23 ^h 7	17 ^h 38	25 ^h 12	22 ^h 59	16 ^h 3	12 ^h 0	28 ^h 49	17 ^h 49	18 ^h 25	13 ^h 6	n.a.
F 25	2 28 30	8 ^h 50'29	6 ^h 47	8 ^h 8	23 ^h 56	18 ^h 24	25 ^h 24	23 ^h 2	16 ^h 4	12 ^h 0	28 ^h 49	17 ^h 48	18 ^h 22	13 ^h 13	n.a.
S 26	2 32 26	9 ^h 51'38	18 ^h 38	9 ^h 48	24 ^h 46	19 ^h 10	25 ^h 35	23 ^h 5	16 ^h 5	12 ^h 1	28 ^h 48	17 ^h 47	18 ^h 19	13 ^h 20	n.a.
S 27	2 36 23	10 ^h 52'47	0 ^h 32	11 ^h 30	25 ^h 37	19 ^h 55	25 ^h 47	23 ^h 8	16 ^h 6	12 ^h 1	28 ^h 48	17 ^h 46	18 ^h 15	13 ^h 27	n.a.
M 28	2 40 20	11 ^h 53'55	12 ^h 33	13 ^h 11	26 ^h 28	20 ^h 41	25 ^h 58	23 ^h 11	16 ^h 7	12 ^h 2	28 ^h 48	17 ^h 45	18 ^h 12	13 ^h 33	n.a.
T 29	2 44 16	12 ^h 55'02	24 ^h 44	14 ^h 54	27 ^h 20	21 ^h 27	26 ^h 10	23 ^h 14	16 ^h 8	12 ^h 2	28 ^h 48	17 ^h 44	18 ^h 9	13 ^h 40	n.a.
W 30	2 48 13	13 ^h 56'07	7 ^h 5	16 ^h 37	28 ^h 13	22 ^h 12	26 ^h 21	23 ^h 17	16 ^h 9	12 ^h 2	28 ^h 48	17 ^h 44	18 ^h 6	13 ^h 47	n.a.

Delta T = 24h38m40s Julian Calendar 1 Nov. 3321 BCE == Greg. Calendar 5 Oct. 3321 BCE
 The year -3320 astronomical counting style corresponds to year 3321 B.C.E historical counting style.

DECEMBER 3321 BCE (-3320) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	2 52 9	14 ^h 57'12	19 ^h 39	18 ^h 20	29 ^h 16	22 ^h 58	26 ^h 32	23 ^h 20	16 ^h 10	12 ^h 3	28 ^h R47	17 ^h D44	18 ^h 3	13 ^h 53	n.a.
F 2	2 56 6	15 ^h 58'15	2 ^h 27	20 ^h 4	0 ^h 0	23 ^h 44	26 ^h 43	23 ^h 22	16 ^h 11	12 ^h 3	28 ^h 47	17 ^h 44	17 ^h 59	14 ^h 0	n.a.
S 3	3 0 2	16 ^h 59'17	15 ^h 27	21 ^h 49	0 ^h 55	24 ^h 29	26 ^h 54	23 ^h 25	16 ^h 12	12 ^h 3	28 ^h 47	17 ^h 44	17 ^h 56	14 ^h 7	n.a.
S 4	3 3 59	18 ^h 0'18	28 ^h 41	23 ^h 34	1 ^h 50	25 ^h 15	27 ^h 5	23 ^h 27	16 ^h 13	12 ^h 3	28 ^h 47	17 ^h R44	17 ^h 53	14 ^h 14	n.a.
M 5	3 7 55	19 ^h 1'17	12 ^h 3	25 ^h 20	2 ^h 46	26 ^h 0	27 ^h 16	23 ^h 30	16 ^h 13	12 ^h 4	28 ^h 47	17 ^h 44	17 ^h 50	14 ^h 20	n.a.
T 6	3 11 52	20 ^h 2'14	25 ^h 47	27 ^h 6	3 ^h 42	26 ^h 46	27 ^h 26	23 ^h 32	16 ^h 14	12 ^h 4	28 ^h 47	17 ^h 44	17 ^h 47	14 ^h 27	n.a.
W 7	3 15 49	21 ^h 3'10	9 ^h 39	28 ^h 52	4 ^h 39	27 ^h 31	27 ^h 37	23 ^h 34	16 ^h 14	12 ^h 4	28 ^h 47	17 ^h 44	17 ^h 44	14 ^h 34	n.a.
T 8	3 19 45	22 ^h 4'04	23 ^h 41	0 ^h 39	5 ^h 37	28 ^h 17	27 ^h 48	23 ^h 36	16 ^h 15	12 ^h 4	28 ^h 47	17 ^h D44	17 ^h 40	14 ^h 40	n.a.
F 9	3 23 42	23 ^h 4'56	7 ^h 54	2 ^h 25	6 ^h 34	29 ^h 2	27 ^h 58	23 ^h 38	16 ^h 15	12 ^h R 4	28 ^h D47	17 ^h 44	17 ^h 37	14 ^h 47	n.a.
S 10	3 27 38	24 ^h 5'46	22 ^h 13	4 ^h 12	7 ^h 33	29 ^h 47	28 ^h 8	23 ^h 40	16 ^h 16	12 ^h 4	28 ^h 47	17 ^h 44	17 ^h 34	14 ^h 54	n.a.
S 11	3 31 35	25 ^h 6'34	6 ^h 38	5 ^h 58	8 ^h 32	0 ^h 32	28 ^h 18	23 ^h 42	16 ^h 16	12 ^h 4	28 ^h 47	17 ^h 45	17 ^h 31	15 ^h 1	n.a.
M 12	3 35 31	26 ^h 7'20	21 ^h 3	7 ^h 44	9 ^h 31	1 ^h 18	28 ^h 29	23 ^h 43	16 ^h 16	12 ^h 4	28 ^h 47	17 ^h 46	17 ^h 28	15 ^h 7	n.a.
T 13	3 39 28	27 ^h 8'05	5 ^h 24	9 ^h 30	10 ^h 31	2 ^h 3	28 ^h 39	23 ^h 45	16 ^h 17	12 ^h 4	28 ^h 47	17 ^h 46	17 ^h 25	15 ^h 14	n.a.
W 14	3 43 24	28 ^h 8'47	19 ^h 36	11 ^h 15	11 ^h 31	2 ^h 48	28 ^h 48	23 ^h 46	16 ^h 17	12 ^h 3	28 ^h 47	17 ^h R46	17 ^h 21	15 ^h 21	n.a.
T 15	3 47 21	29 ^h 9'29	3 ^h 34	12 ^h 58	12 ^h 31	3 ^h 33	28 ^h 58	23 ^h 48	16 ^h 17	12 ^h 3	28 ^h 47	17 ^h 46	17 ^h 18	15 ^h 27	n.a.
F 16	3 51 18	0 ^h 10'08	17 ^h 15	14 ^h 40	13 ^h 32	4 ^h 18	29 ^h 8	23 ^h 49	16 ^h 17	12 ^h 3	28 ^h 47	17 ^h 45	17 ^h 15	15 ^h 34	n.a.
S 17	3 55 14	1 ^h 10'46	0 ^h 37	16 ^h 20	14 ^h 34	5 ^h 3	29 ^h 17	23 ^h 50	16 ^h R17	12 ^h 3	28 ^h 48	17 ^h 43	17 ^h 12	15 ^h 41	n.a.
S 18	3 59 11	2 ^h 11'22	13 ^h 38	17 ^h 57	15 ^h 35	5 ^h 48	29 ^h 27	23 ^h 51	16 ^h 17	12 ^h 3	28 ^h 48	17 ^h 41	17 ^h 9	15 ^h 48	n.a.
M 19	4 3 7	3 ^h 11'57	26 ^h 19	19 ^h 32	16 ^h 37	6 ^h 33	29 ^h 36	23 ^h 52	16 ^h 17	12 ^h 2	28<				