

SWISS EPHEMERIS for the year 2454 BCE

JANUARY 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	5 17 55	21 [♌] 43'14	7 [♋] 16	17 [♊] 4	6 [♋] 36	1 [♌] R23	14 [♍] 50	9 [♎] 50	15 [♏] 9	24 [♐] 13	23 [♑] 37	6 [♒] R32	5 [♓] 17	12 [♈] 34	n.a.
F 2	5 21 51	22 [♌] 43'39	21 [♋] 20	18 [♊] 50	7 [♋] 43	1 [♌] 17	14 [♍] 59	9 [♎] 58	15 [♏] 12	24 [♐] 15	23 [♑] 37	6 [♒] D31	5 [♓] 14	12 [♈] 41	n.a.
S 3	5 25 48	23 [♌] 44'02	5 [♌] 6	20 [♊] 38	8 [♋] 49	1 [♌] 11	15 [♍] 8	10 [♎] 5	15 [♏] 16	24 [♐] 17	23 [♑] 38	6 [♒] 32	5 [♓] 11	12 [♈] 48	n.a.
S 4	5 29 45	24 [♌] 44'23	18 [♋] 35	22 [♊] 26	9 [♋] 55	1 [♌] 4	15 [♍] 16	10 [♎] 12	15 [♏] 19	24 [♐] 20	23 [♑] 38	6 [♒] 33	5 [♓] 7	12 [♈] 54	n.a.
M 5	5 33 41	25 [♌] 44'42	1 [♌] 48	24 [♊] 15	11 [♋] 0	0 [♌] 56	15 [♍] 25	10 [♎] 20	15 [♏] 23	24 [♐] 22	23 [♑] 38	6 [♒] R34	5 [♓] 4	13 [♈] 1	n.a.
T 6	5 37 38	26 [♌] 44'59	24 [♋] 48	26 [♊] 5	12 [♋] 6	0 [♌] 47	15 [♍] 33	10 [♎] 27	15 [♏] 26	24 [♐] 24	23 [♑] 39	6 [♒] 33	5 [♓] 1	13 [♈] 8	n.a.
W 7	5 41 34	27 [♌] 45'13	27 [♋] 36	27 [♊] 56	13 [♋] 11	0 [♌] 37	15 [♍] 41	10 [♎] 35	15 [♏] 30	24 [♐] 26	23 [♑] 39	6 [♒] 31	4 [♓] 58	13 [♈] 14	n.a.
T 8	5 45 31	28 [♌] 45'25	10 [♌] 13	29 [♊] 48	14 [♋] 16	0 [♌] 27	15 [♍] 49	10 [♎] 42	15 [♏] 33	24 [♐] 27	23 [♑] 39	6 [♒] 27	4 [♓] 55	13 [♈] 21	n.a.
F 9	5 49 27	29 [♌] 45'35	22 [♋] 40	1 [♌] 41	15 [♋] 20	0 [♌] 16	15 [♍] 57	10 [♎] 50	15 [♏] 36	24 [♐] 29	23 [♑] 40	6 [♒] 19	4 [♓] 52	13 [♈] 28	n.a.
S 10	5 53 24	0 [♌] 45'44	4 [♌] 58	3 [♋] 35	16 [♋] 24	0 [♌] 4	16 [♍] 5	10 [♎] 57	15 [♏] 40	24 [♐] 31	23 [♑] 40	6 [♒] 10	4 [♓] 48	13 [♈] 35	n.a.
S 11	5 57 20	1 [♌] 45'50	17 [♋] 8	5 [♋] 29	17 [♋] 28	29 [♌] 52	16 [♍] 12	11 [♎] 5	15 [♏] 43	24 [♐] 33	23 [♑] 40	5 [♒] 59	4 [♓] 45	13 [♈] 41	n.a.
M12	6 1 17	2 [♌] 45'54	29 [♋] 10	7 [♋] 23	18 [♋] 32	29 [♌] 38	16 [♍] 20	11 [♎] 12	15 [♏] 47	24 [♐] 35	23 [♑] 40	5 [♒] 48	4 [♓] 42	13 [♈] 48	n.a.
T13	6 5 14	3 [♌] 45'56	11 [♌] 6	9 [♋] 19	19 [♋] 35	29 [♌] 24	16 [♍] 27	11 [♎] 20	15 [♏] 50	24 [♐] 37	23 [♑] 40	5 [♒] 38	4 [♓] 39	13 [♈] 55	n.a.
W14	6 9 10	4 [♌] 45'56	22 [♋] 58	11 [♋] 14	20 [♋] 38	29 [♌] 9	16 [♍] 34	11 [♎] 27	15 [♏] 53	24 [♐] 39	23 [♑] 40	5 [♒] 28	4 [♓] 36	14 [♈] 1	n.a.
T15	6 13 7	5 [♌] 45'54	4 [♌] 49	13 [♋] 10	21 [♋] 40	28 [♌] 54	16 [♍] 41	11 [♎] 35	15 [♏] 57	24 [♐] 41	23 [♑] 40	5 [♒] 21	4 [♓] 32	14 [♈] 8	n.a.
F16	6 17 3	6 [♌] 45'50	16 [♋] 43	15 [♋] 6	22 [♋] 43	28 [♌] 38	16 [♍] 48	11 [♎] 42	16 [♏] 0	24 [♐] 43	23 [♑] R40	5 [♒] 17	4 [♓] 29	14 [♈] 15	n.a.
S17	6 21 0	7 [♌] 45'45	28 [♋] 44	17 [♋] 1	23 [♋] 44	28 [♌] 21	16 [♍] 55	11 [♎] 50	16 [♏] 3	24 [♐] 44	23 [♑] 40	5 [♒] 14	4 [♓] 26	14 [♈] 22	n.a.
S18	6 24 56	8 [♌] 45'37	10 [♌] 57	18 [♋] 56	24 [♋] 46	28 [♌] 3	17 [♍] 1	11 [♎] 57	16 [♏] 6	24 [♐] 46	23 [♑] 40	5 [♒] D14	4 [♓] 23	14 [♈] 28	n.a.
M19	6 28 53	9 [♌] 45'28	23 [♋] 27	20 [♋] 51	25 [♋] 47	27 [♌] 45	17 [♍] 8	12 [♎] 5	16 [♏] 10	24 [♐] 48	23 [♑] 40	5 [♒] 14	4 [♓] 20	14 [♈] 35	n.a.
T20	6 32 49	10 [♌] 45'16	6 [♌] 19	22 [♋] 44	26 [♋] 48	27 [♌] 27	17 [♍] 14	12 [♎] 12	16 [♏] 13	24 [♐] 50	23 [♑] 40	5 [♒] R15	4 [♓] 17	14 [♈] 42	n.a.
W21	6 36 46	11 [♌] 45'03	19 [♋] 37	24 [♋] 35	27 [♋] 48	27 [♌] 7	17 [♍] 20	12 [♎] 20	16 [♏] 16	24 [♐] 51	23 [♑] 40	5 [♒] 14	4 [♓] 13	14 [♈] 49	n.a.
T22	6 40 43	12 [♌] 44'48	3 [♌] 23	26 [♋] 25	28 [♋] 48	26 [♌] 48	17 [♍] 26	12 [♎] 28	16 [♏] 19	24 [♐] 53	23 [♑] 40	5 [♒] 11	4 [♓] 10	14 [♈] 55	n.a.
F23	6 44 39	13 [♌] 44'31	17 [♋] 38	28 [♋] 12	29 [♋] 47	26 [♌] 27	17 [♍] 32	12 [♎] 35	16 [♏] 23	24 [♐] 55	23 [♑] 40	5 [♒] 5	4 [♓] 7	15 [♈] 2	n.a.
S24	6 48 36	14 [♌] 44'12	2 [♌] 31	29 [♋] 56	0 [♌] 46	26 [♌] 7	17 [♍] 38	12 [♎] 43	16 [♏] 26	24 [♐] 56	23 [♑] 39	4 [♒] 57	4 [♓] 4	15 [♈] 9	n.a.
S25	6 52 32	15 [♌] 43'51	17 [♋] 19	1 [♌] 37	1 [♌] 44	25 [♌] 45	17 [♍] 43	12 [♎] 50	16 [♏] 29	24 [♐] 58	23 [♑] 39	4 [♒] 47	4 [♓] 1	15 [♈] 15	n.a.
M26	6 56 29	16 [♌] 43'27	2 [♌] 29	3 [♋] 14	2 [♌] 42	25 [♌] 24	17 [♍] 48	12 [♎] 58	16 [♏] 32	25 [♐] 0	23 [♑] 39	4 [♒] 36	3 [♓] 58	15 [♈] 22	n.a.
T27	7 0 25	17 [♌] 43'01	17 [♋] 38	4 [♋] 47	3 [♌] 40	25 [♌] 2	17 [♍] 54	13 [♎] 5	16 [♏] 35	25 [♐] 1	23 [♑] 38	4 [♒] 26	3 [♓] 54	15 [♈] 29	n.a.
W28	7 4 22	18 [♌] 42'33	2 [♌] 36	6 [♋] 15	4 [♌] 37	24 [♌] 40	17 [♍] 59	13 [♎] 13	16 [♏] 38	25 [♐] 3	23 [♑] 38	4 [♒] 18	3 [♓] 51	15 [♈] 36	n.a.
T29	7 8 18	19 [♌] 42'02	17 [♋] 14	7 [♋] 38	5 [♌] 33	24 [♌] 17	18 [♍] 3	13 [♎] 21	16 [♏] 41	25 [♐] 4	23 [♑] 37	4 [♒] 12	3 [♓] 48	15 [♈] 42	n.a.
F30	7 12 15	20 [♌] 41'29	1 [♌] 30	8 [♋] 55	6 [♌] 29	23 [♌] 54	18 [♍] 8	13 [♎] 28	16 [♏] 44	25 [♐] 6	23 [♑] 37	4 [♒] 8	3 [♓] 45	15 [♈] 49	n.a.
S31	7 16 12	21 [♌] 40'53	15 [♌] 20	10 [♋] 5	7 [♌] 24	23 [♌] 31	18 [♍] 13	13 [♎] 36	16 [♏] 47	25 [♐] 7	23 [♑] 36	4 [♒] 7	3 [♓] 42	15 [♈] 56	n.a.

Delta T = 16h55m02s Julian Calendar 1 Jan. 2454 BCE == Greg. Calendar 12 Dec. 2455 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

FEBRUARY 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	7 20 8	22 [♌] 40'14	28 [♌] 47	11 [♌] 10	8 [♌] 19	23 [♌] R 8	18 [♍] 17	13 [♎] 43	16 [♏] 50	25 [♐] 9	23 [♑] R36	4 [♒] R 7	3 [♓] 38	16 [♈] 3	n.a.
M 2	7 24 5	23 [♌] 39'33	11 [♌] 52	12 [♋] 7	9 [♌] 13	22 [♌] 45	18 [♍] 21	13 [♎] 51	16 [♏] 53	25 [♐] 10	23 [♑] 35	4 [♒] 7	3 [♓] 35	16 [♈] 9	n.a.
T 3	7 28 1	24 [♌] 38'50	24 [♋] 40	12 [♋] 58	10 [♌] 6	22 [♌] 22	18 [♍] 25	13 [♎] 58	16 [♏] 56	25 [♐] 11	23 [♑] 35	4 [♒] 6	3 [♓] 32	16 [♈] 16	n.a.
W 4	7 31 58	25 [♌] 38'04	7 [♌] 13	13 [♋] 41	10 [♌] 59	21 [♌] 59	18 [♍] 29	14 [♎] 6	16 [♏] 59	25 [♐] 13	23 [♑] 34	4 [♒] 2	3 [♓] 29	16 [♈] 23	n.a.
T 5	7 35 54	26 [♌] 37'16	19 [♋] 35	14 [♋] 16	11 [♌] 51	21 [♌] 36	18 [♍] 32	14 [♎] 13	17 [♏] 2	25 [♐] 14	23 [♑] 33	3 [♒] 55	3 [♓] 26	16 [♈] 29	n.a.
F 6	7 39 51	27 [♌] 36'25	1 [♌] 48	14 [♋] 44	12 [♌] 42	21 [♌] 13	18 [♍] 36	14 [♎] 21	17 [♏] 5	25 [♐] 15	23 [♑] 33	3 [♒] 46	3 [♓] 23	16 [♈] 36	n.a.
S 7	7 43 47	28 [♌] 35'32	13 [♋] 54	15 [♋] 5	13 [♌] 32	20 [♌] 50	18 [♍] 39	14 [♎] 28	17 [♏] 8	25 [♐] 17	23 [♑] 32	3 [♒] 34	3 [♓] 19	16 [♈] 43	n.a.
S 8	7 47 44	29 [♌] 34'36	25 [♋] 55	15 [♋] 17	14 [♌] 22	20 [♌] 27	18 [♍] 42	14 [♎] 35	17 [♏] 10	25 [♐] 18	23 [♑] 31	3 [♒] 20	3 [♓] 16	16 [♈] 50	n.a.
M 9	7 51 41	0 [♌] 33'39	7 [♌] 51	15 [♋] R23	15 [♌] 11	20 [♌] 4	18 [♍] 45	14 [♎] 43	17 [♏] 13	25 [♐] 19	23 [♑] 30	3 [♒] 6	3 [♓] 13	16 [♈] 56	n.a.
T10	7 55 37	1 [♌] 32'39	19 [♋] 44	15 [♋] 20	15 [♌] 59	19 [♌] 42	18 [♍] 48	14 [♎] 50	17 [♏] 16	25 [♐] 20	23 [♑] 30	2 [♒] 52	3 [♓] 10	17 [♈] 3	n.a.
W11	7 59 34	2 [♌] 31'37	1 [♌] 36	15 [♋] 11	16 [♌] 46	19 [♌] 20	18 [♍] 51	14 [♎] 58	17 [♏] 19	25 [♐] 21	23 [♑] 29	2 [♒] 39	3 [♓] 7	17 [♈] 10	n.a.
T12	8 3 30	3 [♌] 30'33	13 [♋] 28	14 [♋] 55	17 [♌] 32	18 [♌] 59	18 [♍] 53	15 [♎] 5	17 [♏] 21	25 [♐] 23	23 [♑] 28	2 [♒] 30	3 [♓] 3	17 [♈] 16	n.a.
F13	8 7 27	4 [♌] 29'26	25 [♋] 23	14 [♋] 33	18 [♌] 18	18 [♌] 37	18 [♍] 55	15 [♎] 12	17 [♏] 24	25 [♐] 24	23 [♑] 27	2 [♒] 23	3 [♓] 0	17 [♈] 23	n.a.
S14	8 11 23	5 [♌] 28'18	7 [♌] 24	14 [♋] 5	19 [♌] 2	18 [♌] 17	18 [♍] 57	15 [♎] 20	17 [♏] 27	25 [♐] 25	23 [♑] 26	2 [♒] 18	2 [♓] 57	17 [♈] 30	n.a.
S15	8 15 20	6 [♌] 27'08	19 [♋] 36	13 [♋] 31	19 [♌] 46	17 [♌] 56	18 [♍] 59	15 [♎] 27	17 [♏] 29	25 [♐] 26	23 [♑] 25	2 [♒] 17	2 [♓] 54	17 [♈] 37	n.a.
M16	8 19 16	7 [♌] 25'56	2 [♌] 4	12 [♋] 54	20 [♌] 28	17 [♌] 36	19 [♍] 1	15 [♎] 34	17 [♏] 32	25 [♐] 27	23 [♑] 24	2 [♒] 16	2 [♓] 51	17 [♈] 43	n.a.

SWISS EPHEMERIS for the year 2454 BCE

MARCH 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
S 1	9 10 32	20 [≈] 7'19	8 [♁] 17	4°R24	27 [♁] 44	14°R15	19°R 5	17 [♁] 5	18 [♁] 1	25 [♁] 37	23°R 9	1°D 8	2 [♁] 9	19 [♁] 11	n.a.
M 2	9 14 28	21° 5'37	21°25	4 [≈] 7	28° 7	14 [♁] 5	19 [♁] 4	17°12	18° 3	25°38	23 [♁] 8	1°R 8	2° 6	19°17	n.a.
T 3	9 18 25	22° 3'54	4 [♁] 11	3°55	28°28	13°56	19° 3	17°19	18° 5	25°38	23° 6	1 [♁] 7	2° 3	19°24	n.a.
W 4	9 22 21	23° 2'08	16°39	3°48	28°47	13°47	19° 2	17°25	18° 7	25°39	23° 5	1° 5	2° 0	19°31	n.a.
T 5	9 26 18	24° 0'20	28°54	3°D46	29° 4	13°39	19° 0	17°32	18° 9	25°39	23° 4	1° 0	1°57	19°38	n.a.
F 6	9 30 14	24°58'30	10 [♁] 59	3°49	29°20	13°32	18°59	17°39	18°11	25°40	23° 2	0°52	1°54	19°44	n.a.
S 7	9 34 11	25°56'38	22°58	3°57	29°33	13°26	18°57	17°45	18°13	25°40	23° 1	0°42	1°50	19°51	n.a.
S 8	9 38 8	26°54'44	4 [♁] 52	4°10	29°44	13°20	18°55	17°52	18°14	25°40	22°59	0°31	1°47	19°58	n.a.
M 9	9 42 4	27°52'47	16°45	4°28	29°53	13°15	18°52	17°58	18°16	25°41	22°58	0°19	1°44	20° 4	n.a.
T 10	9 46 1	28°50'49	28°37	4°50	0 [♁] 0	13°12	18°50	18° 4	18°18	25°41	22°56	0° 8	1°41	20°11	n.a.
W11	9 49 57	29°48'49	10 [♁] 30	5°17	0° 4	13° 9	18°47	18°11	18°19	25°41	22°55	29 [♁] 58	1°38	20°18	n.a.
T 12	9 53 54	0 [♁] 46'47	22°26	5°48	0°R 6	13° 6	18°44	18°17	18°21	25°42	22°53	29°49	1°35	20°25	n.a.
F 13	9 57 50	1°44'43	4 [♁] 27	6°23	0° 6	13° 5	18°41	18°23	18°23	25°42	22°52	29°44	1°31	20°31	n.a.
S 14	10 1 47	2°42'38	16°34	7° 1	0° 3	13°D 4	18°38	18°29	18°24	25°42	22°50	29°41	1°28	20°38	n.a.
S 15	10 5 43	3°40'31	28°52	7°44	29 [♁] 58	13° 4	18°35	18°36	18°26	25°42	22°49	29°D40	1°25	20°45	n.a.
M16	10 9 40	4°38'22	11 [♁] 23	8°30	29°51	13° 5	18°32	18°42	18°27	25°42	22°47	29°40	1°22	20°51	n.a.
T 17	10 13 37	5°36'13	24°11	9°20	29°41	13° 6	18°28	18°48	18°28	25°42	22°46	29°41	1°19	20°58	n.a.
W18	10 17 33	6°34'01	7 [♁] 21	10°13	29°28	13° 9	18°24	18°54	18°30	25°42	22°44	29°R42	1°15	21° 5	n.a.
T 19	10 21 30	7°31'49	20°55	11° 9	29°14	13°12	18°20	19° 0	18°31	25°R42	22°42	29°41	1°12	21°12	n.a.
F 20	10 25 26	8°29'35	4 [♁] 55	12° 8	28°56	13°15	18°16	19° 5	18°32	25°42	22°41	29°38	1° 9	21°18	n.a.
S 21	10 29 23	9°27'20	19°21	13°11	28°37	13°20	18°12	19°11	18°33	25°42	22°39	29°34	1° 6	21°25	n.a.
S 22	10 33 19	10°25'03	4 [≈] 10	14°16	28°15	13°25	18° 7	19°17	18°34	25°42	22°38	29°27	1° 3	21°32	n.a.
M23	10 37 16	11°22'45	19°16	15°24	27°51	13°31	18° 2	19°23	18°35	25°42	22°36	29°20	1° 0	21°38	n.a.
T 24	10 41 12	12°20'26	4 [♁] 28	16°34	27°25	13°37	17°58	19°28	18°36	25°42	22°34	29°13	0°56	21°45	n.a.
W25	10 45 9	13°18'05	19°38	17°47	26°57	13°45	17°53	19°34	18°37	25°42	22°33	29° 7	0°53	21°52	n.a.
T 26	10 49 6	14°15'42	4 [♁] 34	19° 3	26°27	13°53	17°48	19°39	18°38	25°41	22°31	29° 3	0°50	21°59	n.a.
F 27	10 53 2	15°13'18	19° 9	20°21	25°56	14° 1	17°42	19°44	18°39	25°41	22°29	29° 1	0°47	22° 5	n.a.
S 28	10 56 59	16°10'52	3 [♁] 18	21°42	25°22	14°10	17°37	19°50	18°40	25°41	22°28	29°D 1	0°44	22°12	n.a.
S 29	11 0 55	17° 8'25	16°59	23° 5	24°48	14°20	17°31	19°55	18°41	25°41	22°26	29° 2	0°40	22°19	n.a.
M30	11 4 52	18° 5'56	0 [♁] 13	24°31	24°12	14°31	17°26	20° 0	18°42	25°40	22°24	29° 3	0°37	22°25	n.a.
T 31	11 8 48	19 [♁] 3'26	13 [♁] 4	25 [≈] 58	23 [♁] 36	14 [♁] 42	17 [♁] 20	20 [♁] 5	18 [♁] 42	25 [♁] 40	22 [♁] 23	29°R 4	0 [♁] 34	22 [♁] 32	n.a.

Delta T = 16h54m58s Julian Calendar 1 March 2454 BCE == Greg. Calendar 9 Feb. 2454 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

APRIL 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
W 1	11 12 45	20 [♁] 0'53	25 [♁] 34	27 [≈] 28	22°R58	14 [♁] 54	17°R14	20 [♁] 10	18 [♁] 43	25°R39	22°R21	29°R 4	0 [♁] 31	22 [♁] 39	n.a.
T 2	11 16 41	20°58'20	7 [♁] 49	29° 1	22 [♁] 20	15° 6	17 [♁] 8	20°15	18°44	25 [♁] 39	22 [♁] 19	29 [♁] 3	0°28	22°46	n.a.
F 3	11 20 38	21°55'45	19°52	0 [♁] 35	21°42	15°19	17° 2	20°20	18°44	25°39	22°18	29° 0	0°25	22°52	n.a.
S 4	11 24 34	22°53'08	1 [♁] 48	2°12	21° 4	15°33	16°56	20°25	18°45	25°38	22°16	28°55	0°21	22°59	n.a.
S 5	11 28 31	23°50'30	13°40	3°51	20°27	15°47	16°49	20°30	18°45	25°38	22°14	28°49	0°18	23° 6	n.a.
M 6	11 32 28	24°47'50	25°32	5°33	19°49	16° 1	16°43	20°35	18°46	25°37	22°13	28°43	0°15	23°12	n.a.
T 7	11 36 24	25°45'09	7 [♁] 25	7°16	19°13	16°16	16°36	20°39	18°46	25°36	22°11	28°37	0°12	23°19	n.a.
W 8	11 40 21	26°42'27	19°23	9° 2	18°37	16°32	16°30	20°44	18°46	25°36	22° 9	28°32	0° 9	23°26	n.a.
T 9	11 44 17	27°39'44	1 [♁] 26	10°50	18° 3	16°48	16°23	20°48	18°46	25°35	22° 8	28°28	0° 6	23°33	n.a.
F 10	11 48 14	28°37'00	13°37	12°40	17°30	17° 5	16°16	20°52	18°47	25°34	22° 6	28°26	0° 2	23°39	n.a.
S 11	11 52 10	29°34'15	25°57	14°33	16°58	17°22	16° 9	20°57	18°47	25°34	22° 4	28°D25	29 [♁] 59	23°46	n.a.
S 12	11 56 7	0 [♁] 31'29	8 [♁] 27	16°27	16°29	17°40	16° 2	21° 1	18°47	25°33	22° 3	28°25	29°56	23°53	n.a.
M13	12 0 3	1°28'42	21°11	18°24	16° 1	17°58	15°55	21° 5	18°47	25°32	22° 1	28°27	29°53	23°59	n.a.
T 14	12 4 0	2°25'55	4 [♁] 9	20°23	15°35	18°17	15°48	21° 9	18°R47	25°31	22° 0	28°28	29°50	24° 6	n.a.
W15	12 7 57	3°23'07	17°24	22°23	15°11	18°36	15°40	21°13	18°47	25°31	21°58	28°29	29°46	24°13	n.a.
T 16	12 11 53	4°20'18	0 [♁] 59	24°26	14°50	18°55	15°33	21°17	18°47	25°30	21°56	28°R30	29°43	24°20	n.a.
F 17	12 15 50	5°17'29	14°53	26°30	14°31	19°15	15°26	21°21	18°47	25°29	21°55	28°30	29°40	24°26	n.a.
S 18	12 19 46	6°14'40	29° 8	28°36	14°14	19°35	15°18	21°24	18°47	25°28	21°53	28°29	29°37	24°33	n.a.
S 19	12 23 43	7°11'50	13 [≈] 39	0 [♁] 44	14° 0	19°56	15°11	21°28	18°46	25°27	21°51	28°27	29°34	24°40	n.a.
M20	12 27 39	8° 8'59	28°25	2°53	13°48	20°18	15° 3	21°32	18°46	25°26	21°50	28°24	29°31	24°46	n.a.
T 21	12 31 36	9° 6'08	13 [♁] 17	5° 2	13°38	20°39	14°56	21°35	18°46	25°25	21°48	28°22	29°27	24°53	n.a.
W22	12 35 32	10° 3'16	28° 8	7°13	13°31	21° 1	14°48	21°38	18°45	25°24	21°47	28°20	29°24	25° 0	n.a.
T 23	12 39 29	11° 0'24	12 [♁] 52	9°24	13°26	21°24	14°41	21°42	18°45	25°23	21°45	28°18	29°21	25° 7	n.a.
F 24	12 43 25	11°57'31	27°19	11°36	13°24	21°47	14°33	21°45	18°44	25°22	21°44	28°D18	29°18	25°13	n.a.
S 25	12 47 22	12°54'38	11 [♁] 26	13°47	13°D24	22°10	14°25	21°48	18°44	25°21	21°42	28°18	29°15	25°20	n.a.
S 26	12 51 19	13°51'44	25° 9	15°58	13°26	22°33	14°18	21°51	18°43	25°20	21°41	28°19	29°11	25°27	n.a.
M27	12 55 15	14°48'49	8 [♁] 27	18° 9	13°31	22°57	14°10	21°54	18°43	25°19	21°39	28°20	29° 8	25°33	n.a.
T 28	12 59 12	15°45'54	21°22	20°19	13°37	23°22	14° 2	21°57	18°42	25°18	21°38	28°21	29° 5	25°40	n.a.
W29	13 3 8	16°42'58	3 [♁] 56	22°28	13°46	23°46	13°55	21°59	18°41	25°17	21°36	28°22	29° 2	25°47	n.a.
T 30	13 7 5	17 [♁] 40'01	16 [♁] 13	24 [♁] 36	13 [♁] 57	24 [♁] 11	13 [♁] 47	22 [♁] 2	18 [♁] 41	25 [♁] 15	21 [♁] 35	28°R22	28 [♁] 59	25 [♁] 53	n.a.

Delta T = 16h54m55s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2454 BCE

MAY 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
F 1	13 11 1	18°37'04	28°18	26°42	14°10	24°37	13°R40	22°3 4	18°R40	25°R14	21°R33	28°R22	28°56	26°0	0	n.a.	
S 2	13 14 58	19°34'06	10°14	28°47	14°25	25° 2	13°32	22° 7	18°39	25°M13	21°M32	28°21	28°52	26° 7	7	n.a.	
S 3	13 18 54	20°31'08	22° 6	0°50	14°42	25°28	13°24	22° 9	18°38	25°12	21°30	28°21	28°49	26°14	14	n.a.	
M 4	13 22 51	21°28'09	3°M59	2°51	15° 1	25°55	13°17	22°11	18°37	25°10	21°29	28°20	28°46	26°20	20	n.a.	
T 5	13 26 48	22°25'09	15°55	4°50	15°21	26°21	13° 9	22°14	18°36	25° 9	21°28	28°19	28°43	26°27	27	n.a.	
W 6	13 30 44	23°22'10	27°58	6°48	15°44	26°48	13° 2	22°16	18°35	25° 8	21°26	28°18	28°40	26°34	34	n.a.	
T 7	13 34 41	24°19'10	10°11	8°43	16° 8	27°16	12°55	22°18	18°34	25° 7	21°25	28°18	28°37	26°40	40	n.a.	
F 8	13 38 37	25°16'09	22°34	10°36	16°33	27°43	12°47	22°19	18°33	25° 5	21°24	28°D18	28°33	26°47	47	n.a.	
S 9	13 42 34	26°13'09	5°M11	12°28	17° 0	28°11	12°40	22°21	18°32	25° 4	21°22	28°18	28°30	26°54	54	n.a.	
S 10	13 46 30	27°10'09	18° 0	14°17	17°29	28°39	12°33	22°23	18°31	25° 3	21°21	28°18	28°27	27° 1	1	n.a.	
M11	13 50 27	28° 7'09	1°M 4	16° 4	17°59	29° 8	12°26	22°24	18°30	25° 1	21°20	28°R18	28°24	27° 7	7	n.a.	
T 12	13 54 23	29° 4'09	14°21	17°48	18°31	29°36	12°19	22°26	18°28	25° 0	21°19	28°18	28°21	27°14	14	n.a.	
W13	13 58 20	0°B 1'10	27°53	19°31	19° 4	0°0 5	12°12	22°27	18°27	24°58	21°17	28°18	28°17	27°21	21	n.a.	
T 14	14 2 17	0°58'11	11°38	21°12	19°38	0°34	12° 5	22°28	18°26	24°57	21°16	28°17	28°14	27°27	27	n.a.	
F 15	14 6 13	1°55'12	25°35	22°50	20°14	1° 4	11°58	22°29	18°24	24°55	21°15	28°D17	28°11	27°34	34	n.a.	
S 16	14 10 10	2°52'14	9°M43	24°26	20°51	1°34	11°51	22°31	18°23	24°54	21°14	28°17	28° 8	27°41	41	n.a.	
S 17	14 14 6	3°49'16	24° 1	26° 0	21°29	2° 3	11°45	22°31	18°21	24°52	21°13	28°18	28° 5	27°47	47	n.a.	
M18	14 18 3	4°46'19	8°M26	27°32	22° 8	2°34	11°38	22°32	18°20	24°51	21°12	28°18	28° 2	27°54	54	n.a.	
T 19	14 21 59	5°43'22	22°53	29° 2	22°48	3° 4	11°32	22°33	18°18	24°49	21°11	28°19	27°58	28° 1	1	n.a.	
W20	14 25 56	6°40'26	7°M19	0°M29	23°29	3°35	11°25	22°34	18°17	24°48	21°10	28°19	27°55	28° 8	8	n.a.	
T 21	14 29 52	7°37'30	21°38	1°54	24°11	4° 6	11°19	22°34	18°15	24°46	21° 9	28°R20	27°52	28°14	14	n.a.	
F 22	14 33 49	8°34'35	5°M47	3°17	24°54	4°37	11°13	22°35	18°14	24°45	21° 8	28°20	27°49	28°21	21	n.a.	
S 23	14 37 46	9°31'40	19°40	4°38	25°38	5° 8	11° 7	22°35	18°12	24°43	21° 7	28°19	27°46	28°28	28	n.a.	
S 24	14 41 42	10°28'46	3°M14	5°56	26°23	5°40	11° 1	22°35	18°10	24°42	21° 6	28°18	27°42	28°34	34	n.a.	
M25	14 45 39	11°25'52	16°29	7°12	27° 9	6°12	10°56	22°35	18° 8	24°40	21° 5	28°16	27°39	28°41	41	n.a.	
T 26	14 49 35	12°22'58	29°23	8°25	27°56	6°44	10°50	22°R35	18° 7	24°39	21° 4	28°14	27°36	28°48	48	n.a.	
W27	14 53 32	13°20'05	11°57	9°36	28°43	7°16	10°45	22°35	18° 5	24°37	21° 3	28°13	27°33	28°55	55	n.a.	
T 28	14 57 28	14°17'12	24°16	10°44	29°31	7°49	10°39	22°35	18° 3	24°35	21° 2	28°11	27°30	29° 1	1	n.a.	
F 29	15 1 25	15°14'20	6°M21	11°49	0°M20	8°22	10°34	22°35	18° 1	24°34	21° 1	28°10	27°27	29° 8	8	n.a.	
S 30	15 5 21	16°11'27	18°18	12°52	1°10	8°55	10°29	22°34	17°59	24°32	21° 1	28°D10	27°23	29°15	15	n.a.	
S 31	15 9 18	17°8'36	0°M11	13°M52	2°M 0	9°0 28	10°24	22°34	17°57	24°M31	21°M 0	28°D10	27°20	29°0 21	21	n.a.	

Delta T = 16h54m53s Julian Calendar 1 May 2454 BCE == Greg. Calendar 11 Apr. 2454 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

JUNE 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	15 13 15	18°B 5'44	12°M 4	14°M49	2°M51	10°0 1	10°R20	22°R33	17°R55	24°R29	20°R59	28°12	27°17	29°0 28	28	n.a.	
T 2	15 17 11	19° 2'53	24° 2	15°42	3°43	10°35	10°15	22°32	17°53	24°M27	20°M59	28°13	27°14	29°35	35	n.a.	
W 3	15 21 8	20° 0'03	6°M 9	16°33	4°35	11° 9	10°11	22°32	17°51	24°26	20°58	28°15	27°11	29°41	41	n.a.	
T 4	15 25 4	20°57'14	18°30	17°20	5°28	11°43	10° 7	22°31	17°49	24°24	20°57	28°16	27° 8	29°48	48	n.a.	
F 5	15 29 1	21°54'25	1°M 6	18° 4	6°21	12°17	10° 3	22°30	17°47	24°23	20°57	28°R16	27° 4	29°55	55	n.a.	
S 6	15 32 57	22°51'37	13°59	18°43	7°15	12°51	9°59	22°29	17°45	24°21	20°56	28°15	27° 1	0°M 2	2	n.a.	
S 7	15 36 54	23°48'50	27°10	19°20	8° 9	13°26	9°55	22°27	17°43	24°19	20°56	28°13	26°58	0° 8	8	n.a.	
M 8	15 40 50	24°46'04	10°M38	19°52	9° 4	14° 0	9°51	22°26	17°41	24°18	20°55	28°10	26°55	0°15	15	n.a.	
T 9	15 44 47	25°43'19	24°22	20°19	10° 0	14°35	9°48	22°25	17°39	24°16	20°55	28° 6	26°52	0°22	22	n.a.	
W10	15 48 44	26°40'35	8°M17	20°43	10°56	15°10	9°45	22°23	17°37	24°14	20°54	28° 2	26°48	0°28	28	n.a.	
T 11	15 52 40	27°37'52	22°22	21° 2	11°52	15°45	9°42	22°21	17°35	24°13	20°54	27°58	26°45	0°35	35	n.a.	
F 12	15 56 37	28°35'11	6°M32	21°16	12°49	16°21	9°39	22°20	17°32	24°11	20°54	27°56	26°42	0°42	42	n.a.	
S 13	16 0 33	29°32'31	20°45	21°26	13°47	16°56	9°36	22°18	17°30	24°10	20°53	27°54	26°39	0°48	48	n.a.	
S 14	16 4 30	0°M29'52	4°M58	21°R30	14°44	17°32	9°34	22°16	17°28	24° 8	20°53	27°D54	26°36	0°55	55	n.a.	
M15	16 8 26	1°27'15	19° 8	21°29	15°43	18° 8	9°31	22°14	17°26	24° 6	20°53	27°55	26°33	1° 2	2	n.a.	
T 16	16 12 23	2°24'40	3°M14	21°24	16°41	18°44	9°29	22°12	17°23	24° 5	20°53	27°56	26°29	1° 9	9	n.a.	
W17	16 16 19	3°22'06	17°15	21°12	17°40	19°20	9°27	22°10	17°21	24° 3	20°52	27°57	26°26	1°15	15	n.a.	
T 18	16 20 16	4°19'33	1°M 8	20°56	18°40	19°56	9°25	22° 8	17°19	24° 2	20°52	27°R58	26°23	1°22	22	n.a.	
F 19	16 24 12	5°17'02	14°51	20°35	19°40	20°33	9°24	22° 5	17°16	24° 0	20°52	27°56	26°20	1°29	29	n.a.	
S 20	16 28 9	6°14'32	28°22	20° 8	20°40	21°10	9°22	22° 3	17°14	23°58	20°52	27°53	26°17	1°35	35	n.a.	
S 21	16 32 6	7°12'04	11°M39	19°36	21°40	21°46	9°21	22° 0	17°12	23°57	20°52	27°49	26°14	1°42	42	n.a.	
M22	16 36 2	8° 9'37	24°42	19° 1	22°41	22°23	9°20	21°58	17° 9	23°55	20°D52	27°42	26°10	1°49	49	n.a.	
T 23	16 39 59	9° 7'12	7°M28	18°21	23°42	23° 1	9°19	21°55	17° 7	23°54	20°52	27°35	26° 7	1°55	55	n.a.	
W24	16 43 55	10° 4'48	19°58	17°37	24°44	23°38	9°19	21°52	17° 5	23°52	20°52	27°28	26° 4	2° 2	2	n.a.	
T 25	16 47 52	11° 2'25	2°M14	16°51	25°46	24°15	9°18	21°49	17° 2	23°51	20°52	27°22	26° 1	2° 9	9	n.a.	
F 26	16 51 48	12° 0'03	14°18	16° 2	26°48	24°53	9°18	21°46	17° 0	23°49	20°52	27°16	25°58	2°16	16	n.a.	
S 27	16 55 45	12°57'43	26°14	15°12	27°50	25°31	9°D18	21°43	16°58	23°48	20°52	27°13	25°54	2°22	22	n.a.	
S 28	16 59 42	13°55'24	8°M 5	14°22	28°53	26° 9	9°18	21°40	16°55	23°46	20°52	27°11	25°51	2°29	29	n.a.	
M29	17 3 38	14°53'06	19°57	13°33	29°56	26°47	9°18	21°37	16°53	23°45	20°53	27°D11	25°48	2°36	36	n.a.	
T 30	17 7 35	15°M50'49	1°M55	12°M45	0°M59	27°0 25	9°18	21°33	16°50	23°M43	20°M53	27°D12	25°45	2°M42	42	n.a.	

Delta T = 16h54m50s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [6.2.2007]

SWISS EPHEMERIS for the year 2454 BCE

JULY 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	17 11 31	16II48'34	14♁ 3	11°R59	2♃ 2	28♄ 3	9♁19	21°R30	16°R48	23°R42	20♃53	27♁13	25♁42	2♃49	n.a.							
T 2	17 15 28	17°46'20	26°27	11II17	3° 6	28°42	9°20	21°Z27	16°Z46	23°M40	20°53	27°R14	25°39	2°56	n.a.							
F 3	17 19 24	18°44'08	9II11	10°39	4°10	29°20	9°21	21°23	16°43	23°39	20°54	27°13	25°35	3° 2	n.a.							
S 4	17 23 21	19°41'57	22°16	10° 7	5°14	29°59	9°22	21°20	16°41	23°37	20°54	27°11	25°32	3° 9	n.a.							
S 5	17 27 17	20°39'48	5♃45	9°41	6°19	0III38	9°23	21°16	16°38	23°36	20°55	27° 6	25°29	3°16	n.a.							
M 6	17 31 14	21°37'41	19°36	9°21	7°24	1°17	9°25	21°12	16°36	23°35	20°55	26°59	25°26	3°23	n.a.							
T 7	17 35 11	22°35'35	3♁46	9° 9	8°28	1°56	9°27	21° 8	16°34	23°33	20°56	26°50	25°23	3°29	n.a.							
W 8	17 39 7	23°33'31	18° 9	9°D 3	9°34	2°35	9°29	21° 5	16°31	23°32	20°56	26°41	25°20	3°36	n.a.							
T 9	17 43 4	24°31'29	2♁40	9° 6	10°39	3°14	9°31	21° 1	16°29	23°30	20°57	26°33	25°16	3°43	n.a.							
F 10	17 47 0	25°29'29	17°12	9°17	11°45	3°54	9°33	20°57	16°27	23°29	20°57	26°26	25°13	3°49	n.a.							
S 11	17 50 57	26°27'32	1♃39	9°36	12°51	4°34	9°36	20°53	16°24	23°28	20°58	26°22	25°10	3°56	n.a.							
S 12	17 54 53	27°25'36	15°58	10° 3	13°57	5°13	9°38	20°49	16°22	23°27	20°59	26°19	25° 7	4° 3	n.a.							
M13	17 58 50	28°23'42	0V 5	10°38	15° 3	5°53	9°41	20°44	16°20	23°25	20°59	26°D19	25° 4	4° 9	n.a.							
T 14	18 2 46	29°21'51	13°59	11°21	16° 9	6°33	9°44	20°40	16°17	23°24	21° 0	26°19	25° 0	4°16	n.a.							
W15	18 6 43	0♁20'02	27°42	12°12	17°16	7°13	9°47	20°36	16°15	23°23	21° 1	26°R20	24°57	4°23	n.a.							
T 16	18 10 40	1°18'15	11♁12	13° 9	18°23	7°53	9°51	20°32	16°13	23°22	21° 1	26°19	24°54	4°29	n.a.							
F 17	18 14 36	2°16'30	24°32	14°14	19°30	8°34	9°54	20°27	16°10	23°20	21° 2	26°15	24°51	4°36	n.a.							
S 18	18 18 33	3°14'48	7II40	15°26	20°37	9°14	9°58	20°23	16° 8	23°19	21° 3	26°10	24°48	4°43	n.a.							
S 19	18 22 29	4°13'08	20°37	16°43	21°45	9°55	10° 2	20°19	16° 6	23°18	21° 4	26° 1	24°45	4°50	n.a.							
M20	18 26 26	5°11'30	3♁22	18° 6	22°52	10°35	10° 6	20°14	16° 4	23°17	21° 5	25°50	24°41	4°56	n.a.							
T 21	18 30 22	6° 9'54	15°55	19°35	24° 0	11°16	10°10	20°10	16° 1	23°16	21° 6	25°38	24°38	5° 3	n.a.							
W22	18 34 19	7° 8'19	28°16	21° 8	25° 8	11°57	10°14	20° 5	15°59	23°15	21° 7	25°25	24°35	5°10	n.a.							
T 23	18 38 15	8° 6'47	10♁25	22°44	26°16	12°38	10°19	20° 0	15°57	23°14	21° 8	25°13	24°32	5°16	n.a.							
F 24	18 42 12	9° 5'17	22°25	24°25	27°24	13°19	10°24	19°56	15°55	23°13	21° 9	25° 3	24°29	5°23	n.a.							
S 25	18 46 9	10° 3'49	4III18	26° 8	28°33	14° 0	10°29	19°51	15°53	23°12	21°10	24°56	24°26	5°30	n.a.							
S 26	18 50 5	11° 2'22	16° 7	27°54	29°41	14°42	10°34	19°47	15°51	23°11	21°11	24°50	24°22	5°36	n.a.							
M27	18 54 2	12° 0'57	27°57	29°42	0III50	15°23	10°39	19°42	15°49	23°10	21°12	24°48	24°19	5°43	n.a.							
T 28	18 57 58	12°59'34	9♁52	1♁32	1°59	16° 5	10°44	19°37	15°47	23° 9	21°14	24°D47	24°16	5°50	n.a.							
W29	19 1 55	13°58'14	21°58	3°23	3° 8	16°46	10°50	19°33	15°45	23° 8	21°15	24°R47	24°13	5°56	n.a.							
T 30	19 5 51	14°56'55	4III20	5°15	4°17	17°28	10°56	19°28	15°43	23° 7	21°16	24°47	24°10	6° 3	n.a.							
F 31	19 9 48	15♁55'38	17II 4	7♁ 7	5II27	18III10	11♁ 1	19°Z23	15°Z41	23°M 6	21°M17	24°Z45	24°Z 6	6°M10	n.a.							

Delta T = 16h54m48s Julian Calendar 1 July 2454 BCE == Greg. Calendar 11 June 2454 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

AUGUST 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	19 13 44	16♁54'22	0♃13	8♁59	6II36	18III52	11♁ 7	19°R18	15°R39	23°R 6	21°M19	24°R42	24♁ 3	6°M17	n.a.							
S 2	19 17 41	17°53'09	13°49	10°52	7°46	19°34	11°14	19°Z14	15°Z37	23°M 5	21°20	24♁35	24° 0	6°23	n.a.							
M 3	19 21 38	18°51'58	27°54	12°45	8°55	20°16	11°20	19° 9	15°35	23° 4	21°21	24°26	23°57	6°30	n.a.							
T 4	19 25 34	19°50'49	12♁22	14°37	10° 5	20°58	11°26	19° 4	15°33	23° 3	21°23	24°15	23°54	6°37	n.a.							
W 5	19 29 31	20°49'42	27° 9	16°29	11°15	21°40	11°33	19° 0	15°31	23° 3	21°24	24° 4	23°51	6°43	n.a.							
T 6	19 33 27	21°48'38	12♁ 6	18°20	12°25	22°23	11°40	18°55	15°29	23° 2	21°26	23°53	23°47	6°50	n.a.							
F 7	19 37 24	22°47'35	27° 3	20°11	13°36	23° 5	11°47	18°50	15°28	23° 2	21°27	23°43	23°44	6°57	n.a.							
S 8	19 41 20	23°46'35	11♃51	22° 1	14°46	23°48	11°54	18°45	15°26	23° 1	21°29	23°37	23°41	7° 3	n.a.							
S 9	19 45 17	24°45'38	26°25	23°50	15°57	24°31	12° 1	18°41	15°24	23° 0	21°30	23°33	23°38	7°10	n.a.							
M10	19 49 13	25°44'43	10V40	25°38	17° 7	25°13	12° 8	18°36	15°23	23° 0	21°32	23°31	23°35	7°17	n.a.							
T 11	19 53 10	26°43'50	24°36	27°26	18°18	25°56	12°16	18°31	15°21	22°59	21°33	23°31	23°31	7°23	n.a.							
W12	19 57 7	27°43'00	8♁12	29°13	19°29	26°39	12°24	18°27	15°19	22°59	21°35	23°31	23°28	7°30	n.a.							
T 13	20 1 3	28°42'13	21°30	0III59	20°40	27°22	12°31	18°22	15°18	22°58	21°36	23°29	23°25	7°37	n.a.							
F 14	20 5 0	29°41'28	4II33	2°44	21°51	28° 5	12°39	18°17	15°16	22°58	21°38	23°26	23°22	7°43	n.a.							
S 15	20 8 56	0♁40'46	17°23	4°28	23° 3	28°49	12°47	18°13	15°15	22°58	21°40	23°19	23°19	7°50	n.a.							
S 16	20 12 53	1°40'06	0♁ 1	6°11	24°14	29°32	12°55	18° 8	15°13	22°57	21°42	23°10	23°16	7°57	n.a.							
M17	20 16 49	2°39'29	12°29	7°54	25°26	0♁15	13° 4	18° 4	15°12	22°57	21°43	22°58	23°12	8° 4	n.a.							
T 18	20 20 46	3°38'54	24°47	9°35	26°37	0°59	13°12	17°59	15°11	22°57	21°45	22°44	23° 9	8°10	n.a.							
W19	20 24 42	4°38'21	6♁57	11°16	27°49	1°42	13°21	17°55	15° 9	22°56	21°47	22°30	23° 6	8°17	n.a.							
T 20	20 28 39	5°37'50	18°58	12°56	29° 1	2°26	13°29	17°51	15° 8	22°56	21°49	22°17	23° 3	8°24	n.a.							
F 21	20 32 36	6°37'22	0III53	14°35	0♁13	3°10	13°38	17°46	15° 7	22°56	21°50	22° 5	23° 0	8°30	n.a.							
S 22	20 36 32	7°36'55	12°43	16°14	1°25	3°54	13°47	17°42	15° 6	22°56	21°52	21°56	22°57	8°37	n.a.							
S 23	20 40 29	8°36'31	24°30	17°52	2°37	4°37	13°56	17°38	15° 5	22°56	21°54	21°50	22°53	8°44	n.a.							
M24	20 44 25	9°36'09	6♁18	19°28	3°49	5°21	14° 6	17°33	15° 4	22°56	21°56	21°47	22°50	8°50	n.a.							
T 25	20 48 22	10°35'48	18°12	21° 5	5° 2	6° 5	14°15	17°29	15° 3	22°56	21°58	21°D46	22°47	8°57	n.a.							
W26	20 52 18	11°35'30	0III15	22°40	6°14	6°50	14°24	17°25	15° 2	22°D56	22° 0	21°46	22°44	9° 4	n.a.							
T 27	20 56 15	12°35'14	12°34	24°15	7°26	7°34	14°34	17°21	15° 1	22°56	22° 2	21°R46	22°41	9°10	n.a.							
F 28	21 0 11	13°34'59	25°13	25°49	8°39	8°18	14°43	17°17	15° 0	22°56	22° 4	21°46	22°37	9°17	n.a.							
S 29	21 4 8	14°34'47	8♃17	27°23	9°52	9° 2	14°53	17°13	14°59	22°56	22° 6	21°43	22°34	9°24	n.a.							
S 30	21 8 5	15°34'36	21°51	28°55	11° 4	9°47	15° 3	17° 9	14°58	22°56	22° 8	21°38	22°31	9°30	n.a.							
M31	21 12 1	16♁34'27	5♁54	0III28	12♁17	10♁31	15♁13	17°Z 5	14°Z57	22°M56	22°M10	21♁31	22♁28	9°M37	n.a.							

Delta T = 16h54m45s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]

SWISS EPHEMERIS for the year 2454 BCE

SEPTEMBER 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	21 15 58	17 ^h 34'21	20 ^h 32'27	1 ^h 59'59	13 ^h 53'30	11 ^h 16'16	15 ^h 23'15	17 ^h R 2	14 ^h R57	22 ^h 11'56	22 ^h 11'12	21 ^h R22	22 ^h 25'22	22 ^h 22'22	9 ^h 44'44	n.a.	
W 2	21 19 54	18 ^h 34'16	5 ^h 22'27	3 ^h 30'30	14 ^h 43'30	12 ^h 0'15	15 ^h 33'16	16 ^h 35'58	14 ^h 27'56	22 ^h 56'22	22 ^h 14'21	21 ^h 21'21	22 ^h 22'22	22 ^h 22'22	9 ^h 51'51	n.a.	
T 3	21 23 51	19 ^h 34'13	20 ^h 33'30	5 ^h 0'0	15 ^h 56'12	12 ^h 45'12	15 ^h 44'16	16 ^h 54'14	14 ^h 55'14	22 ^h 57'22	22 ^h 16'21	21 ^h 3'3	22 ^h 18'18	22 ^h 18'18	9 ^h 57'57	n.a.	
F 4	21 27 47	20 ^h 34'12	5 ^h 48'48	6 ^h 30'17	17 ^h 10'13	13 ^h 30'15	15 ^h 54'16	16 ^h 51'14	14 ^h 55'22	22 ^h 57'22	22 ^h 19'20	20 ^h 55'22	22 ^h 15'10	22 ^h 15'10	10 ^h 4'4	n.a.	
S 5	21 31 44	21 ^h 34'14	20 ^h 57'20	7 ^h 59'18	18 ^h 23'14	14 ^h 14'16	16 ^h 5'16	16 ^h 48'14	14 ^h 54'22	22 ^h 57'22	22 ^h 21'20	20 ^h 49'22	22 ^h 12'10	22 ^h 12'10	10 ^h 11'11	n.a.	
S 6	21 35 40	22 ^h 34'18	5 ^h 51'51	9 ^h 27'19	19 ^h 36'14	14 ^h 59'16	16 ^h 15'16	16 ^h 44'14	14 ^h 54'22	22 ^h 58'22	22 ^h 23'20	20 ^h 46'22	22 ^h 9'9	22 ^h 9'9	10 ^h 17'17	n.a.	
M 7	21 39 37	23 ^h 34'24	20 ^h 22'10	10 ^h 54'20	20 ^h 50'15	15 ^h 44'16	16 ^h 26'16	16 ^h 41'14	14 ^h 53'22	22 ^h 58'22	22 ^h 25'20	20 ^h D45	22 ^h 6'6	22 ^h 6'6	10 ^h 24'24	n.a.	
T 8	21 43 34	24 ^h 34'32	4 ^h 8'29	12 ^h 21'22	22 ^h 3'16	16 ^h 29'16	16 ^h 37'16	16 ^h 38'14	14 ^h 53'22	22 ^h 58'22	22 ^h 27'20	20 ^h 46'22	22 ^h 3'3	22 ^h 3'3	10 ^h 31'31	n.a.	
W 9	21 47 30	25 ^h 34'43	18 ^h 10'13	13 ^h 48'23	17 ^h 14'17	16 ^h 48'16	16 ^h 35'16	14 ^h 53'22	22 ^h 59'22	22 ^h 29'20	20 ^h 46'22	21 ^h 59'21	10 ^h 37'37	10 ^h 37'37	n.a.		
T 10	21 51 27	26 ^h 34'56	1 ^h 11'28	15 ^h 13'24	24 ^h 30'17	17 ^h 59'16	16 ^h 59'16	16 ^h 31'14	14 ^h 52'22	22 ^h 59'22	22 ^h 32'20	20 ^h R47	21 ^h 56'21	21 ^h 56'21	10 ^h 44'44	n.a.	
F 11	21 55 23	27 ^h 35'11	14 ^h 26'16	16 ^h 38'25	25 ^h 44'18	18 ^h 45'17	17 ^h 10'16	16 ^h 29'14	14 ^h 52'23	23 ^h 0'22	22 ^h 34'20	20 ^h 45'21	21 ^h 53'21	21 ^h 53'21	10 ^h 51'51	n.a.	
S 12	21 59 20	28 ^h 35'29	27 ^h 6'18	18 ^h 2'26	26 ^h 58'19	19 ^h 30'17	17 ^h 21'16	16 ^h 26'14	14 ^h 52'23	23 ^h 1'22	22 ^h 36'20	20 ^h 41'21	21 ^h 50'21	21 ^h 50'21	10 ^h 57'57	n.a.	
S 13	22 3 16	29 ^h 35'49	9 ^h 32'29	19 ^h 25'28	28 ^h 12'20	20 ^h 15'17	17 ^h 32'16	16 ^h 23'14	14 ^h 52'23	23 ^h 1'22	22 ^h 38'20	20 ^h 35'21	21 ^h 47'21	21 ^h 47'21	11 ^h 4'4	n.a.	
M 14	22 7 13	0 ^h 36'11	21 ^h 47'21	20 ^h 47'29	29 ^h 26'21	21 ^h 0'17	17 ^h 43'16	16 ^h 20'14	14 ^h 52'23	23 ^h 2'22	22 ^h 41'20	20 ^h 27'21	21 ^h 43'21	21 ^h 43'21	11 ^h 11'11	n.a.	
T 15	22 11 9	1 ^h 36'35	3 ^h 54'30	22 ^h 9'0	0 ^h 40'40	21 ^h 46'17	17 ^h 55'16	16 ^h 18'14	14 ^h D52	23 ^h 2'22	22 ^h 43'20	20 ^h 18'21	21 ^h 40'21	21 ^h 40'21	11 ^h 17'17	n.a.	
W 16	22 15 6	2 ^h 37'01	2 ^h 53'23	23 ^h 29'1	1 ^h 54'22	22 ^h 31'18	18 ^h 6'16	16 ^h 15'14	14 ^h 52'23	23 ^h 3'22	22 ^h 45'20	20 ^h 8'21	21 ^h 37'21	21 ^h 37'21	11 ^h 24'24	n.a.	
T 17	22 19 3	3 ^h 37'29	27 ^h 47'24	24 ^h 48'3	3 ^h 8'23	23 ^h 17'18	18 ^h 18'16	16 ^h 13'14	14 ^h 52'23	23 ^h 4'22	22 ^h 48'19	19 ^h 59'21	21 ^h 34'21	21 ^h 34'21	11 ^h 31'31	n.a.	
F 18	22 22 59	4 ^h 37'59	9 ^h 38'26	6 ^h 6'4	4 ^h 22'24	24 ^h 2'18	18 ^h 30'16	16 ^h 10'14	14 ^h 52'23	23 ^h 5'22	22 ^h 50'19	19 ^h 51'21	21 ^h 31'21	21 ^h 31'21	11 ^h 37'37	n.a.	
S 19	22 26 56	5 ^h 38'31	21 ^h 26'27	27 ^h 22'5	5 ^h 37'24	24 ^h 48'18	18 ^h 41'16	16 ^h 8'14	14 ^h 52'23	23 ^h 5'22	22 ^h 52'19	19 ^h 45'21	21 ^h 28'21	21 ^h 28'21	11 ^h 44'44	n.a.	
S 20	22 30 52	6 ^h 39'05	3 ^h 15'28	28 ^h 37'6	6 ^h 51'25	25 ^h 34'18	18 ^h 53'16	16 ^h 6'14	14 ^h 52'23	23 ^h 6'22	22 ^h 55'19	19 ^h 41'21	21 ^h 24'21	21 ^h 24'21	11 ^h 51'51	n.a.	
M 21	22 34 49	7 ^h 39'40	15 ^h 6'29	29 ^h 50'8	8 ^h 5'26	26 ^h 19'19	19 ^h 5'16	16 ^h 4'14	14 ^h 53'23	23 ^h 7'22	22 ^h 57'19	19 ^h D39	21 ^h 21'21	21 ^h 21'21	11 ^h 57'57	n.a.	
T 22	22 38 45	8 ^h 40'17	27 ^h 2'1	1 ^h 2'9	9 ^h 20'27	27 ^h 5'19	19 ^h 17'16	16 ^h 2'14	14 ^h 53'23	23 ^h 8'22	22 ^h 59'19	19 ^h 40'21	21 ^h 18'21	21 ^h 18'21	12 ^h 4'4	n.a.	
W 23	22 42 42	9 ^h 40'55	9 ^h 11'7	2 ^h 11'10	10 ^h 34'27	27 ^h 51'19	19 ^h 29'16	16 ^h 0'14	14 ^h 53'23	23 ^h 9'22	23 ^h 2'19	19 ^h 41'21	21 ^h 15'21	21 ^h 15'21	12 ^h 11'11	n.a.	
T 24	22 46 38	10 ^h 41'35	21 ^h 26'3	3 ^h 18'11	11 ^h 49'28	28 ^h 37'19	19 ^h 41'15	15 ^h 58'14	14 ^h 54'23	23 ^h 10'23	23 ^h 4'19	19 ^h 43'21	21 ^h 12'21	21 ^h 12'21	12 ^h 17'17	n.a.	
F 25	22 50 35	11 ^h 42'16	4 ^h 7'3	4 ^h 22'13	13 ^h 3'29	29 ^h 23'19	19 ^h 54'15	15 ^h 57'14	14 ^h 54'23	23 ^h 11'23	23 ^h 6'19	19 ^h 44'21	21 ^h 8'21	21 ^h 8'21	12 ^h 24'24	n.a.	
S 26	22 54 31	12 ^h 42'59	17 ^h 1'5	5 ^h 23'14	14 ^h 18'0	14 ^h 18'3	20 ^h 6'15	15 ^h 55'14	14 ^h 55'23	23 ^h 12'23	23 ^h 9'19	19 ^h R44	21 ^h 5'21	21 ^h 5'21	12 ^h 31'31	n.a.	
S 27	22 58 28	13 ^h 43'43	0 ^h 32'6	6 ^h 21'15	15 ^h 32'16	0 ^h 55'20	20 ^h 18'15	15 ^h 54'14	14 ^h 55'23	23 ^h 13'23	23 ^h 11'19	19 ^h 43'21	21 ^h 2'21	21 ^h 2'21	12 ^h 37'37	n.a.	
M 28	23 2 25	14 ^h 44'28	14 ^h 18'7	7 ^h 15'16	16 ^h 47'1	1 ^h 41'20	20 ^h 31'15	15 ^h 53'14	14 ^h 56'23	23 ^h 14'23	23 ^h 14'19	19 ^h 40'21	20 ^h 59'21	20 ^h 59'21	12 ^h 44'44	n.a.	
T 29	23 6 21	15 ^h 45'15	28 ^h 39'8	8 ^h 5'18	2 ^h 27'20	2 ^h 27'20	20 ^h 43'15	15 ^h 51'14	14 ^h 57'23	23 ^h 15'23	23 ^h 16'19	19 ^h 36'21	20 ^h 56'21	20 ^h 56'21	12 ^h 51'51	n.a.	
W 30	23 10 18	16 ^h 46'03	13 ^h 26'8	8 ^h 49'19	19 ^h 16'3	3 ^h 13'13	20 ^h 56'15	15 ^h 50'14	14 ^h 57'23	23 ^h 16'23	23 ^h 18'19	19 ^h 31'21	20 ^h 53'21	20 ^h 53'21	12 ^h 57'57	n.a.	

Delta T = 16h54m43s Julian Calendar 1 Sept. 2454 BCE == Greg. Calendar 12 Aug. 2454 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

OCTOBER 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌
T 1	23 14 14	17 ^h 46'52	28 ^h 32'28	9 ^h 29'29	20 ^h 12'31	3 ^h 11'59	21 ^h 8'15	15 ^h R49	14 ^h 27'58	23 ^h 11'17	23 ^h 21'23	19 ^h R26	20 ^h 49'20	20 ^h 49'20	13 ^h 11'11	n.a.
F 2	23 18 11	18 ^h 47'43	13 ^h 48'13	10 ^h 2'10	21 ^h 46'4	4 ^h 45'21	21 ^h 21'15	15 ^h 38'48	14 ^h 59'23	23 ^h 19'23	23 ^h 23'19	19 ^h 22'19	20 ^h 46'20	20 ^h 46'20	13 ^h 11'11	n.a.
S 3	23 22 7	19 ^h 48'35	29 ^h 4'29	10 ^h 29'23	23 ^h 1'5	5 ^h 31'21	21 ^h 34'15	15 ^h 48'15	15 ^h 0'23	23 ^h 20'23	23 ^h 26'20	19 ^h 19'20	20 ^h 43'20	20 ^h 43'20	13 ^h 18'18	n.a.
S 4	23 26 4	20 ^h 49'28	14 ^h 9'9	10 ^h 47'24	24 ^h 16'6	6 ^h 18'21	21 ^h 46'15	15 ^h 47'15	15 ^h 1'23	23 ^h 21'23	23 ^h 28'20	19 ^h D18	20 ^h 40'20	20 ^h 40'20	13 ^h 24'24	n.a.
M 5	23 30 0	21 ^h 50'23	28 ^h 56'10	10 ^h 58'25	25 ^h 31'7	7 ^h 4'21	21 ^h 59'15	15 ^h 46'15	15 ^h 2'23	23 ^h 22'23	23 ^h 30'20	19 ^h 18'20	20 ^h 37'20	20 ^h 37'20	13 ^h 31'31	n.a.
T 6	23 33 57	22 ^h 51'20	13 ^h 18'11	11 ^h R 0	26 ^h 46'7	7 ^h 50'22	22 ^h 12'15	15 ^h 46'15	15 ^h 3'23	23 ^h 24'23	23 ^h 33'19	19 ^h 19'20	20 ^h 34'20	20 ^h 34'20	13 ^h 38'38	n.a.
W 7	23 37 54	23 ^h 52'18	27 ^h 12'10	10 ^h 51'28	28 ^h 1'8	8 ^h 37'22	22 ^h 25'15	15 ^h 46'15	15 ^h 4'23	23 ^h 25'23	23 ^h 35'19	19 ^h 21'20	20 ^h 30'20	20 ^h 30'20	13 ^h 44'44	n.a.
T 8	23 41 50	24 ^h 53'18	10 ^h 11'40	10 ^h 32'29	29 ^h 16'9	9 ^h 23'22	22 ^h 38'15	15 ^h 45'15	15 ^h 5'23	23 ^h 26'23	23 ^h 38'19	19 ^h 22'20	20 ^h 27'20	20 ^h 27'20	13 ^h 51'51	n.a.
F 9	23 45 47	25 ^h 54'19	23 ^h 42'10	10 ^h 3'0	0 ^h 31'10	10 ^h 9'22	22 ^h 51'15	15 ^h 45'15	15 ^h 6'23	23 ^h 28'23	23 ^h 40'19	19 ^h R23	20 ^h 24'20	20 ^h 24'20	13 ^h 58'58	n.a.
S 10	23 49 43	26 ^h 55'22	6 ^h 22'9	9 ^h 23'1	1 ^h 46'10	10 ^h 56'23	23 ^h 4'15	15 ^h D45	15 ^h 8'23	23 ^h 29'23	23 ^h 43'19	19 ^h 22'20	20 ^h 21'20	20 ^h 21'20	14 ^h 4'4	n.a.
S 11																

SWISS EPHEMERIS for the year 2454 BCE

NOVEMBER 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	1 16 27	19♂22'23	21♀57	27♃51	29♃23	28♃4	28♂1	16♂13	15♂47	24♃7	24♃34	19°R 7	19♂11	16♃31	n.a.
M 2	1 20 24	20°23'42	6♂44	28°43	0♂39	28°51	28°15	16°15	15°49	24°9	24°37	19♂7	19°8	16°38	n.a.
T 3	1 24 20	21°25'01	21°13	29°40	1°54	29°38	28°29	16°18	15°52	24°11	24°39	19°7	19°5	16°44	n.a.
W 4	1 28 17	22°26'21	5♂18	0♂41	3°10	0♂25	28°43	16°21	15°54	24°13	24°41	19°7	19°1	16°51	n.a.
T 5	1 32 14	23°27'41	18°55	1°45	4°25	1°11	28°56	16°24	15°56	24°15	24°43	19°6	18°58	16°58	n.a.
F 6	1 36 10	24°29'01	2♂7	2°52	5°41	1°58	29°10	16°26	15°59	24°17	24°46	19°6	18°55	17°4	n.a.
S 7	1 40 7	25°30'22	14°54	4°2	6°56	2°45	29°24	16°30	16°1	24°19	24°48	19°5	18°52	17°11	n.a.
S 8	1 44 3	26°31'44	27°20	5°15	8°12	3°32	29°38	16°33	16°4	24°21	24°50	19°D 5	18°49	17°18	n.a.
M 9	1 48 0	27°33'05	9♂30	6°29	9°27	4°19	29°52	16°36	16°6	24°23	24°52	19°5	18°45	17°24	n.a.
T 10	1 51 56	28°34'27	21°28	7°45	10°42	5°6	0♂6	16°39	16°9	24°25	24°54	19°6	18°42	17°31	n.a.
W11	1 55 53	29°35'49	3♂18	9°3	11°58	5°53	0°20	16°43	16°11	24°27	24°56	19°7	18°39	17°38	n.a.
T 12	1 59 49	0♂37'11	15°6	10°23	13°13	6°40	0°34	16°46	16°14	24°29	24°58	19°8	18°36	17°44	n.a.
F 13	2 3 46	1°38'33	26°55	11°43	14°29	7°27	0°48	16°50	16°17	24°31	25°0	19°9	18°33	17°51	n.a.
S 14	2 7 43	2°39'55	8♂49	13°5	15°44	8°14	1°1	16°53	16°19	24°33	25°2	19°10	18°30	17°58	n.a.
S 15	2 11 39	3°41'17	20°49	14°28	17°0	9°1	1°15	16°57	16°22	24°36	25°4	19°R10	18°26	18°4	n.a.
M16	2 15 36	4°42'39	3♂0	15°52	18°15	9°48	1°29	17°1	16°25	24°38	25°6	19°10	18°23	18°11	n.a.
T 17	2 19 32	5°44'01	15°21	17°16	19°31	10°34	1°43	17°5	16°28	24°40	25°8	19°8	18°20	18°18	n.a.
W18	2 23 29	6°45'22	27°54	18°42	20°46	11°21	1°57	17°9	16°31	24°42	25°10	19°6	18°17	18°24	n.a.
T 19	2 27 25	7°46'42	10♂40	20°8	22°1	12°8	2°11	17°13	16°33	24°44	25°12	19°3	18°14	18°31	n.a.
F 20	2 31 22	8°48'03	23°39	21°35	23°17	12°55	2°25	17°17	16°36	24°47	25°14	19°0	18°11	18°38	n.a.
S 21	2 35 18	9°49'22	6♂52	23°3	24°32	13°42	2°39	17°22	16°39	24°49	25°16	18°57	18°7	18°44	n.a.
S 22	2 39 15	10°50'41	20°19	24°31	25°48	14°29	2°52	17°26	16°42	24°51	25°18	18°55	18°4	18°51	n.a.
M23	2 43 12	11°51'59	4♂0	25°59	27°3	15°16	3°6	17°31	16°45	24°53	25°20	18°54	18°1	18°58	n.a.
T 24	2 47 8	12°53'15	17°55	27°29	28°18	16°3	3°20	17°35	16°48	24°55	25°22	18°D54	17°58	19°4	n.a.
W25	2 51 5	13°54'31	2♂4	28°58	29°34	16°49	3°34	17°40	16°51	24°58	25°23	18°55	17°55	19°11	n.a.
T 26	2 55 1	14°55'46	16°26	0♂29	0♂49	17°36	3°48	17°45	16°54	25°0	25°25	18°56	17°51	19°18	n.a.
F 27	2 58 58	15°57'00	0♀57	2°0	2°4	18°23	4°1	17°50	16°57	25°2	25°27	18°58	17°48	19°24	n.a.
S 28	3 2 54	16°58'13	15°33	3°31	3°20	19°10	4°15	17°55	17°0	25°4	25°29	18°R58	17°45	19°31	n.a.
S 29	3 6 51	17°59'25	0♂10	5°3	4°35	19°57	4°29	18°0	17°4	25°7	25°30	18°58	17°42	19°38	n.a.
M30	3 10 47	19♂0'36	14♂41	6♂35	5♂50	20♂43	4♂43	18♂5	17♂7	25♂9	25♂32	18♂56	17♂39	19♂44	n.a.

Delta T = 16h54m38s Julian Calendar 1 Nov. 2454 BCE == Greg. Calendar 12 Oct. 2454 BCE
 The year -2453 astronomical counting style corresponds to year 2454 B.C.E historical counting style.

DECEMBER 2454 BCE (-2453) JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	3 14 44	20♂1'46	29♂0	8♂8	7♂5	21♂30	4♂56	18♂10	17♂10	25♂11	25♂34	18°R53	17♂36	19♂51	n.a.
W 2	3 18 41	21°2'55	13♂1	9°42	8°21	22°17	5°10	18°15	17°13	25°14	25°35	18♂48	17°32	19°58	n.a.
T 3	3 22 37	22°4'04	26°40	11°16	9°36	23°3	5°24	18°20	17°16	25°16	25°37	18°42	17°29	20°4	n.a.
F 4	3 26 34	23°5'12	9♂56	12°50	10°51	23°50	5°37	18°26	17°19	25°18	25°38	18°37	17°26	20°11	n.a.
S 5	3 30 30	24°6'18	22°48	14°25	12°6	24°37	5°51	18°31	17°23	25°20	25°40	18°32	17°23	20°18	n.a.
S 6	3 34 27	25°7'24	5♂19	16°1	13°22	25°23	6°4	18°37	17°26	25°23	25°41	18°28	17°20	20°24	n.a.
M 7	3 38 23	26°8'30	17°32	17°37	14°37	26°10	6°18	18°42	17°29	25°25	25°43	18°26	17°16	20°31	n.a.
T 8	3 42 20	27°9'34	29°32	19°14	15°52	26°57	6°31	18°48	17°33	25°27	25°44	18°D26	17°13	20°38	n.a.
W 9	3 46 16	28°10'37	11♂23	20°52	17°7	27°43	6°45	18°54	17°36	25°29	25°46	18°26	17°10	20°44	n.a.
T 10	3 50 13	29°11'40	23°11	22°30	18°22	28°30	6°58	19°0	17°39	25°32	25°47	18°28	17°7	20°51	n.a.
F 11	3 54 10	0♂12'41	5♂1	24°9	19°38	29°16	7°12	19°5	17°42	25°34	25°48	18°30	17°4	20°58	n.a.
S 12	3 58 6	1°13'41	16°57	25°48	20°53	0♂3	7°25	19°11	17°46	25°36	25°50	18°R31	17°1	21°4	n.a.
S 13	4 2 3	2°14'40	29°4	27°28	22°8	0°49	7°38	19°17	17°49	25°39	25°51	18°30	16°57	21°11	n.a.
M14	4 5 59	3°15'38	11♂25	29°9	23°23	1°36	7°51	19°23	17°53	25°41	25°52	18°27	16°54	21°18	n.a.
T 15	4 9 56	4°16'35	24°2	0♂51	24°38	2°22	8°5	19°30	17°56	25°43	25°53	18°22	16°51	21°24	n.a.
W16	4 13 52	5°17'31	6♂56	2°33	25°53	3°8	8°18	19°36	17°59	25°45	25°55	18°15	16°48	21°31	n.a.
T 17	4 17 49	6°18'25	20°5	4°16	27°8	3°55	8°31	19°42	18°3	25°48	25°56	18°7	16°45	21°38	n.a.
F 18	4 21 45	7°19'17	3♂29	6°0	28°23	4°41	8°44	19°48	18°6	25°50	25°57	17°58	16°42	21°44	n.a.
S 19	4 25 42	8°20'08	17°6	7°44	29°38	5°27	8°57	19°55	18°10	25°52	25°58	17°50	16°38	21°51	n.a.
S 20	4 29 39	9°20'57	0♂53	9°30	0♂53	6°14	9°10	20°1	18°13	25°54	25°59	17°42	16°35	21°58	n.a.
M21	4 33 35	10°21'44	14°48	11°16	2°8	7°0	9°23	20°8	18°17	25°57	26°0	17°37	16°32	22°4	n.a.
T 22	4 37 32	11°22'30	28°48	13°2	3°23	7°46	9°36	20°14	18°20	25°59	26°1	17°34	16°29	22°11	n.a.
W23	4 41 28	12°23'13	12♂52	14°50	4°38	8°32	9°49	20°21	18°23	26°1	26°2	17°D34	16°26	22°17	n.a.
T 24	4 45 25	13°23'55	26°59	16°38	5°53	9°18	10°1	20°27	18°27	26°3	26°3	17°34	16°22	22°24	n.a.
F 25	4 49 21	14°24'34	11♀9	18°27	7°8	10°5	10°14	20°34	18°30	26°5	26°4	17°R35	16°19	22°31	n.a.
S 26	4 53 18	15°25'11	25°19	20°16	8°23	10°51	10°27	20°41	18°34	26°8	26°5	17°35	16°16	22°37	n.a.
S 27	4 57 14	16°25'47	9♂27	22°6	9°38	11°37	10°39	20°47	18°37	26°10	26°5	17°33	16°13	22°44	n.a.
M28	5 1 11	17°26'20	23°31	23°56	10°53	12°23	10°52	20°54	18°41	26°12	26°6	17°28	16°10	22°51	n.a.
T 29	5 5 8	18°26'52	7♂26	25°47	12°8	13°9	11°4	21°1	18°44	26°14	26°7	17°21	16°7	22°57	n.a.
W30	5 9 4	19°27'22	21°9	27°38	13°23	13°55	11°17	21°8	18°48	26°16	26°8	17°11	16°3	23°4	n.a.
T 31	5 13 1	20♂27'50	4♂36	29♂28	14♂38	14♂40	11♂29	21♂15	18♂51	26♂18	26♂8	17♂0	16♂0	23♂11	n.a.

Delta T = 16h54m36s Julian Calendar created from Swiss Ephemeris, Copyright AstroDienst AG [6.2.2007]