

SWISS EPHEMERIS for the year 655

JANUARY 655 C.E.JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	6 50 58	13°33'57	19°05'50	25°R56	25°56'56	26°31'19	29°M52	16°R32	25°31'07	18°M22	21°R 4	9°R57	8°M52	14°36'36	14°R41								
F 2	6 54 55	14°34'59	3°M55	25°34'40	26°32'27	27° 6	0°31'03	16°M31	25°11'16	18°R24	21°R 4	9°M48	8°49	14°43'37	14°R37								
S 3	6 58 52	15°35'59	17°30	25°D32	27° 8	27°54	0°15	16°30	25°14	18°25	21° 3	9°43	8°46	14°50	14°33								
S 4	7 2 48	16°36'59	0°36	25°33	27°42	28°41	0°26	16°29	25°18	18°27	21° 2	9°39	8°43	14°56	14°29								
M 5	7 6 45	17°37'59	13°15	25°41	28°14	29°28	0°37	16°28	25°21	18°28	21° 2	9°D38	8°40	15° 3	14°25								
T 6	7 10 41	18°38'57	25°34	25°56	28°45	0°36'16	0°48	16°26	25°25	18°29	21° 1	9°38	8°36	15°10	14°21								
W 7	7 14 38	19°39'55	7°M37	26°18	29°14	1° 3	0°59	16°25	25°28	18°31	21° 1	9°R38	8°33	15°16	14°17								
T 8	7 18 34	20°40'52	19°30	26°45	29°42	1°51	1°10	16°23	25°32	18°32	21° 0	9°38	8°30	15°23	14°13								
F 9	7 22 31	21°41'48	1°31'17	27°18	0°31'08	2°38	1°21	16°22	25°35	18°33	21° 0	9°35	8°27	15°30	14° 9								
S 10	7 26 27	22°42'43	13° 4	27°57	0°32	3°26	1°32	16°20	25°39	18°35	20°59	9°31	8°24	15°36	14° 6								
S 11	7 30 24	23°43'37	24°54	28°39	0°54	4°13	1°43	16°18	25°42	18°36	20°59	9°23	8°21	15°43	14° 2								
M12	7 34 21	24°44'30	6°34'49	29°26	1°14	5° 0	1°54	16°16	25°46	18°37	20°58	9°12	8°17	15°50	13°58								
T13	7 38 17	25°45'22	18°53	0°31'17	1°33	5°48	2° 4	16°14	25°49	18°38	20°58	8°59	8°14	15°56	13°54								
W14	7 42 14	26°46'12	1°36	1°10	1°49	6°35	2°15	16°12	25°53	18°39	20°58	8°45	8°11	16° 3	13°50								
T15	7 46 10	27°47'01	13°29	2° 8	2° 3	7°23	2°25	16°10	25°56	18°40	20°57	8°31	8° 8	16°10	13°46								
F16	7 50 7	28°47'49	2° 2	3° 8	2°15	8°10	2°35	16° 7	26° 0	18°41	20°57	8°18	8° 5	16°16	13°42								
S17	7 54 3	29°48'35	8°34'45	4°10	2°25	8°58	2°45	16° 5	26° 3	18°42	20°57	8° 7	8° 2	16°23	13°39								
S 18	7 58 0	0°34'49'20	21°40	5°15	2°33	9°45	2°55	16° 2	26° 7	18°43	20°56	7°59	7°58	16°30	13°35								
M19	8 1 56	1°50'03	4°34'46	6°22	2°38	10°32	3° 5	16° 0	26°10	18°44	20°56	7°54	7°55	16°36	13°31								
T20	8 5 53	2°50'44	18° 7	7°32	2°41	11°20	3°15	15°57	26°14	18°45	20°56	7°52	7°52	16°43	13°28								
W21	8 9 50	3°51'23	1°34'42	8°43	2°R41	12° 7	3°25	15°54	26°17	18°46	20°55	7°52	7°49	16°50	13°24								
T22	8 13 46	4°52'01	15°35	9°56	2°39	12°54	3°34	15°51	26°20	18°47	20°55	7°51	7°46	16°56	13°20								
F23	8 17 43	5°52'36	29°45	11°11	2°34	13°42	3°44	15°48	26°24	18°48	20°55	7°50	7°42	17° 3	13°17								
S24	8 21 39	6°53'10	14°11'13	12°27	2°27	14°29	3°53	15°45	26°27	18°49	20°55	7°47	7°39	17°10	13°13								
S 25	8 25 36	7°53'42	28°54	13°45	2°17	15°16	4° 3	15°42	26°31	18°50	20°55	7°41	7°36	17°16	13°10								
M26	8 29 32	8°54'13	13°36'44	15° 5	2° 4	16° 4	4°12	15°39	26°34	18°50	20°54	7°33	7°33	17°23	13° 6								
T27	8 33 29	9°54'41	28°34	16°25	1°50	16°51	4°21	15°36	26°38	18°51	20°54	7°22	7°30	17°30	13° 3								
W28	8 37 25	10°55'08	13°01'16	17°47	1°32	17°38	4°30	15°32	26°41	18°52	20°54	7°10	7°27	17°37	13° 0								
T29	8 41 22	11°55'32	27°42	19°10	1°12	18°25	4°39	15°29	26°45	18°52	20°54	6°58	7°23	17°43	12°56								
F30	8 45 19	12°55'56	11°M46	20°35	0°50	19°13	4°47	15°25	26°48	18°53	20°54	6°47	7°20	17°50	12°53								
S31	8 49 15	13°56'17	25°M23	22°31	0°31'26	20°30	4°56	15°M22	26°51	18°M53	20°54	6°M39	7°M17	17°57	12°50								

Delta T = 01h10m09s Julian Calendar 1 Jan. 655 == Greg. Calendar 4 Jan. 655

FEBRUARY 655 C.E.JC

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S 1	8 53 12	14°56'37	8°32	23°31'27	29°R59	20°34'47	5°31'04	15°R18	26°31'55	18°M54	20°R54	6°R34	7°M14	18°31'03	12°R47								
M 2	8 57 8	15°56'56	21°17	24°55	29°31'31	21°34	5°12	15°M14	26°58	18°55	20°54	6°M32	7°11	18°10	12°R44								
T 3	9 1 5	16°57'13	3°M40	26°25	29° 0	22°21	5°21	15°11	27° 1	18°55	20°54	6°D31	7° 8	18°17	12°41								
W 4	9 5 1	17°57'28	15°46	27°55	28°28	23° 9	5°29	15° 7	27° 5	18°55	20°54	6°R31	7° 4	18°23	12°38								
T 5	9 8 58	18°57'42	27°41	29°26	27°55	23°56	5°37	15° 3	27° 8	18°56	20°54	6°31	7° 1	18°30	12°35								
F 6	9 12 54	19°57'54	9°31'30	0°35'58	27°20	24°43	5°44	14°59	27°11	18°56	20°54	6°29	6°58	18°37	12°32								
S 7	9 16 51	20°58'05	21°19	2°32	26°44	25°30	5°52	14°55	27°15	18°57	20°55	6°25	6°55	18°43	12°29								
S 8	9 20 48	21°58'14	3°31'11	4° 6	26° 7	26°17	6° 0	14°51	27°18	18°57	20°55	6°18	6°52	18°50	12°27								
M 9	9 24 44	22°58'22	15°12	5°42	25°30	27° 4	6° 7	14°47	27°21	18°57	20°55	6° 9	6°48	18°57	12°24								
T10	9 28 41	23°58'27	27°24	7°19	24°52	27°51	6°14	14°43	27°24	18°57	20°55	5°58	6°45	19° 3	12°21								
W11	9 32 37	24°58'31	9°34'48	8°56	24°15	28°38	6°21	14°38	27°28	18°58	20°55	5°45	6°42	19°10	12°19								
T12	9 36 34	25°58'33	22°26	10°35	23°37	29°25	6°28	14°34	27°31	18°58	20°55	5°32	6°39	19°17	12°16								
F13	9 40 30	26°58'32	5°31'18	12°15	23° 0	0°31'12	6°35	14°30	27°34	18°58	20°56	5°20	6°36	19°23	12°14								
S14	9 44 27	27°58'30	18°22	13°56	22°24	0°59	6°42	14°25	27°37	18°58	20°56	5°10	6°33	19°30	12°12								
S 15	9 48 23	28°58'26	1°31'37	15°38	21°48	1°45	6°48	14°21	27°40	18°58	20°56	5° 3	6°29	19°37	12° 9								
M16	9 52 20	29°58'19	15° 3	17°22	21°14	2°32	6°54	14°16	27°43	18°R58	20°57	4°59	6°26	19°43	12° 7								
T17	9 56 17	0°35'58'11	28°39	19° 6	20°41	3°19	7° 1	14°12	27°46	18°58	20°57	4°D57	6°23	19°50	12° 5								
W18	10 0 13	1°58'00	12°31'24	20°52	20° 9	4° 6	7° 7	14° 7	27°49	18°58	20°57	4°57	6°20	19°57	12° 3								
T19	10 4 10	2°57'46	26°19	22°39	19°39	4°53	7°12	14° 3	27°53	18°58	20°58	4°R58	6°17	20° 3	12° 1								
F20	10 8 6	3°57'31	10°11'23	24°27	19°11	5°39	7°18	13°58	27°56	18°58	20°58	4°58	6°14	20°10	11°59								
S21	10 12 3	4°57'13	24°36	26°16	18°45	6°26	7°24	13°54	27°58	18°58	20°59	4°56	6°10	20°17	11°57								
S 22	10 15 59	5°56'53	8°35'56	28° 6	18°21	7°13	7°29	13°49	28° 1	18°58	20°59	4°52	6° 7	20°24	11°56								
M23	10 19 56	6°56'30	23°19	29°58	18° 0	7°59	7°34	13°44	28° 4	18°57	20°59	4°46	6° 4	20°30	11°54								
T24	10 23 52	7°56'05	7°01'42	1°31'51	17°41	8°46	7°39	13°40	28° 7	18°57	21° 0	4°37	6° 1	20°37	11°53								
W25	10 27 49	8°55'38	21°58	3°45	17°24	9°32	7°44	13°35	28°10	18°57	21° 0	4°28	5°58	20°44	11°51								
T26	10 31 46	9°55'08	6°M2	5°40	17° 9	10°19	7°49	13°31	28°13	18°57	21° 1	4°19	5°54	20°50	11°50								
F27	10 35 42	10°54'37	19°48	7°36	16°57	11° 5	7°54	13°26	28°16	18°56	21° 2	4°11	5°51	20°57	11°48								
S28	10 39 39	11°54'03	3°31'15	9°31'34	16°34'48	11°31'52	7°58	13°M21	28°R19	18°M56	21°R 2	4°M 5	5°M48	21°31'04	11°47								

Delta T = 01h10m08s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 655

MARCH 655 C.E.JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	10 43 35	12♌53'27	16♉19	11♋32	16♁R41	12♋38	8♂ 2	13°R16	28♁21	18°R56	21♁ 3	4°R 1	5♌45	21♁10	11°R46									
M 2	10 47 32	13°52'50	29° 2	13°32	16♁36	13°24	8° 6	13♎12	28°24	18♌55	21° 3	4°D 0	5°42	21°17	11♁45									
T 3	10 51 28	14°52'10	11♌26	15°32	16°D34	14°11	8°10	13° 7	28°27	18°55	21° 4	4♌ 0	5°39	21°24	11°44									
W 4	10 55 25	15°51'29	23°35	17°34	16°35	14°57	8°14	13° 2	28°29	18°54	21° 5	4° 1	5°35	21°30	11°43									
T 5	10 59 21	16°50'46	5♌32	19°36	16°37	15°43	8°17	12°58	28°32	18°54	21° 5	4° 2	5°32	21°37	11°42									
F 6	11 3 18	17°50'01	17°24	21°38	16°42	16°29	8°21	12°53	28°34	18°53	21° 6	4°R 3	5°29	21°44	11°42									
S 7	11 7 15	18°49'14	29°14	23°41	16°50	17°15	8°24	12°48	28°37	18°52	21° 7	4° 2	5°26	21°50	11°41									
S 8	11 11 11	19°48'25	11♁ 9	25°44	16°59	18° 2	8°27	12°44	28°40	18°52	21° 7	4° 0	5°23	21°57	11°40									
M 9	11 15 8	20°47'35	23°13	27°47	17°11	18°48	8°30	12°39	28°42	18°51	21° 8	3°55	5°19	22° 4	11°40									
T 10	11 19 4	21°46'42	5♁30	29°50	17°25	19°34	8°32	12°34	28°44	18°51	21° 9	3°50	5°16	22°10	11°39									
W11	11 23 1	22°45'48	18° 2	1°Y52	17°41	20°20	8°35	12°30	28°47	18°50	21°10	3°43	5°13	22°17	11°39									
T 12	11 26 57	23°44'52	0♋52	3°53	17°59	21° 6	8°37	12°25	28°49	18°49	21°10	3°35	5°10	22°24	11°39									
F 13	11 30 54	24°43'53	13°59	5°52	18°18	21°52	8°39	12°21	28°52	18°48	21°11	3°29	5° 7	22°31	11°39									
S 14	11 34 50	25°42'53	27°24	7°50	18°40	22°37	8°41	12°16	28°54	18°48	21°12	3°23	5° 4	22°37	11°D39									
S 15	11 38 47	26°41'51	11°Y 3	9°46	19° 3	23°23	8°43	12°12	28°56	18°47	21°13	3°20	5° 0	22°44	11°39									
M16	11 42 43	27°40'46	24°55	11°39	19°28	24° 9	8°44	12° 7	28°58	18°46	21°14	3°18	4°57	22°51	11°39									
T 17	11 46 40	28°39'39	8♁55	13°30	19°55	24°55	8°46	12° 3	29° 0	18°45	21°15	3°D18	4°54	22°57	11°39									
W18	11 50 37	29°38'30	23° 2	15°17	20°23	25°40	8°47	11°59	29° 3	18°44	21°16	3°19	4°51	23° 4	11°39									
T 19	11 54 33	0°Y37'19	7♁12	17° 1	20°53	26°26	8°48	11°54	29° 5	18°43	21°16	3°20	4°48	23°11	11°40									
F 20	11 58 30	1°36'05	21°24	18°41	21°24	27°12	8°49	11°50	29° 7	18°42	21°17	3°21	4°45	23°17	11°40									
S 21	12 2 26	2°34'49	5♁35	20°17	21°57	27°57	8°49	11°46	29° 9	18°41	21°18	3°R22	4°41	23°24	11°41									
S 22	12 6 23	3°33'31	19°44	21°48	22°31	28°43	8°50	11°42	29°11	18°40	21°19	3°21	4°38	23°31	11°41									
M23	12 10 19	4°32'11	3♁48	23°15	23° 6	29°28	8°50	11°37	29°13	18°39	21°20	3°18	4°35	23°37	11°42									
T 24	12 14 16	5°30'48	17°45	24°38	23°42	0°Y14	8°R50	11°33	29°14	18°38	21°21	3°15	4°32	23°44	11°43									
W25	12 18 12	6°29'22	1♎33	25°55	24°20	0°59	8°50	11°29	29°16	18°37	21°22	3°11	4°29	23°51	11°44									
T 26	12 22 9	7°27'55	15° 9	27° 7	24°59	1°44	8°49	11°25	29°18	18°36	21°23	3° 7	4°25	23°58	11°45									
F 27	12 26 6	8°26'26	28°30	28°14	25°39	2°30	8°49	11°21	29°20	18°35	21°24	3° 4	4°22	24° 4	11°46									
S 28	12 30 2	9°24'54	11♁37	29°15	26°20	3°15	8°48	11°18	29°22	18°34	21°25	3° 1	4°19	24°11	11°47									
S 29	12 33 59	10°23'21	24°26	0♁11	27° 2	4° 0	8°47	11°14	29°23	18°33	21°26	3° 0	4°16	24°18	11°48									
M30	12 37 55	11°21'45	7♁ 0	1° 2	27°45	4°45	8°46	11°10	29°25	18°31	21°28	3°D 0	4°13	24°24	11°50									
T 31	12 41 52	12°Y20'08	19♌19	1♁47	28°29	5°Y30	8°Y45	11°Y 6	29°Y26	18♌30	21°Y29	3♁ 0	4♁10	24°Y31	11°51									

Delta T = 01h10m07s Julian Calendar 1 March 655 == Greg. Calendar 4 March 655

APRIL 655 C.E.JC

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W 1	12 45 48	13°Y18'30	1♁26	2♁26	29°14	6°Y15	8°R44	11°R 3	29°Y28	18°R29	21°Y30	3♁ 2	4♁ 6	24°Y38	11°53									
T 2	12 49 45	14°16'49	13°23	3° 0	0♁ 0	7° 0	8°Y42	10°Y59	29°Y29	18♌28	21°31	3° 3	4° 3	24°44	11°54									
F 3	12 53 41	15°15'07	25°16	3°28	0°47	7°45	8°40	10°56	29°31	18°26	21°32	3° 5	4° 0	24°51	11°56									
S 4	12 57 38	16°13'23	7♁ 7	3°50	1°35	8°30	8°38	10°52	29°32	18°25	21°33	3° 6	3°57	24°58	11°58									
S 5	13 1 35	17°11'38	19° 3	4° 6	2°23	9°15	8°36	10°49	29°34	18°24	21°34	3°R 6	3°54	25° 4	11°59									
M 6	13 5 31	18° 9'51	1♁ 7	4°17	3°12	9°59	8°34	10°46	29°35	18°23	21°35	3° 5	3°50	25°11	12° 1									
T 7	13 9 28	19° 8'03	13°25	4°R22	4° 2	10°44	8°31	10°43	29°36	18°21	21°37	3° 4	3°47	25°18	12° 3									
W 8	13 13 24	20° 6'13	25°59	4°22	4°52	11°29	8°28	10°40	29°37	18°20	21°38	3° 3	3°44	25°24	12° 5									
T 9	13 17 21	21° 4'21	8♁54	4°16	5°43	12°13	8°25	10°36	29°39	18°18	21°39	3° 1	3°41	25°31	12° 7									
F 10	13 21 17	22° 2'28	22°10	4° 6	6°35	12°58	8°22	10°34	29°40	18°17	21°40	3° 0	3°38	25°38	12°10									
S 11	13 25 14	23° 0'34	5°Y48	3°51	7°28	13°43	8°19	10°31	29°41	18°16	21°41	2°58	3°35	25°45	12°12									
S 12	13 29 10	23°58'37	19°47	3°31	8°21	14°27	8°16	10°28	29°42	18°14	21°43	2°58	3°31	25°51	12°14									
M13	13 33 7	24°56'39	4♁ 2	3° 7	9°14	15°11	8°12	10°25	29°43	18°13	21°44	2°D58	3°28	25°58	12°17									
T 14	13 37 3	25°54'40	18°29	2°40	10° 8	15°56	8° 8	10°23	29°44	18°11	21°45	2°58	3°25	26° 5	12°19									
W15	13 41 0	26°52'38	3♁ 3	2°10	11° 3	16°40	8° 4	10°20	29°45	18°10	21°46	2°58	3°22	26°11	12°22									
T 16	13 44 57	27°50'35	17°38	1°38	11°58	17°24	8° 0	10°18	29°45	18° 8	21°48	2°59	3°19	26°18	12°25									
F 17	13 48 53	28°48'30	2♁ 8	1° 3	12°54	18° 9	7°56	10°15	29°46	18° 7	21°49	2°59	3°16	26°25	12°27									
S 18	13 52 50	29°46'24	16°30	0°28	13°50	18°53	7°51	10°13	29°47	18° 5	21°50	2°59	3°12	26°31	12°30									
S 19	13 56 46	0♁44'15	0♁39	29°Y52	14°46	19°37	7°47	10°11	29°48	18° 4	21°52	2°R59	3° 9	26°38	12°33									
M20	14 0 43	1°42'04	14°35	29°15	15°43	20°21	7°42	10° 9	29°48	18° 2	21°53	2°59	3° 6	26°45	12°36									
T 21	14 4 39	2°39'52	28°16	28°40	16°41	21° 5	7°37	10° 7	29°49	18° 1	21°54	2°D59	3° 3	26°52	12°39									
W22	14 8 36	3°37'38	11♎42	28° 6	17°38	21°49	7°32	10° 5	29°49	17°59	21°55	2°59	3° 0	26°58	12°42									
T 23	14 12 32	4°35'22	24°53	27°33	18°37	22°33	7°27	10° 3	29°50	17°58	21°57	2°59	2°56	27° 5	12°45									
F 24	14 16 29	5°33'04	7♁51	27° 3	19°35	23°17	7°22	10° 2	29°50	17°56	21°58	3° 0	2°53	27°12	12°49									
S 25	14 20 26	6°30'45	20°35	26°36	20°34	24° 0	7°16	10° 0	29°51	17°54	21°59	3° 0	2°50	27°18	12°52									
S 26	14 24 22	7°28'24	3♁ 6	26°12	21°33	24°44	7°10	9°59	29°51	17°53	22° 1	3°R 0	2°47	27°25	12°55									
M27	14 28 19	8°26'02	15°26	25°52	22°33	25°28	7° 5	9°57	29°51	17°51	22°													

SWISS EPHEMERIS for the year 655

MAY 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
F 1	14 44 5	12♌16'23	3♋24	25♏11	26♎35	28♏22	6°R41	9°R53	29♋52	17°R45	22♌7	2°R56	2♌31	27♎58	13♌13	
S 2	14 48 1	13°13'55	15°16	25°12	27°36	29°5	6♎34	9♏52	29°R52	17♌43	22°9	2♌55	2°28	28°5	13°17	
S 3	14 51 58	14°11'26	27°12	25°17	28°38	29°48	6°28	9°51	29°52	17°42	22°10	2°54	2°25	28°12	13°21	
M 4	14 55 55	15°8'57	9♌15	25°27	29°40	0♋32	6°21	9°50	29°52	17°40	22°12	2°54	2°22	28°19	13°25	
T 5	14 59 51	16°6'26	21°30	25°42	0♏42	1°15	6°14	9°50	29°52	17°38	22°13	2°D54	2°18	28°25	13°29	
W 6	15 3 48	17°3'55	4♋3	26°1	1°44	1°58	6°8	9°49	29°52	17°37	22°14	2°54	2°15	28°32	13°33	
T 7	15 7 44	18°1'23	16°55	26°24	2°47	2°41	6°1	9°49	29°51	17°35	22°16	2°55	2°12	28°39	13°37	
F 8	15 11 41	18°58'50	0♏12	26°51	3°50	3°24	5°54	9°49	29°51	17°34	22°17	2°56	2°9	28°45	13°41	
S 9	15 15 37	19°56'16	13°54	27°23	4°53	4°7	5°47	9°48	29°51	17°32	22°18	2°57	2°6	28°52	13°46	
S 10	15 19 34	20°53'41	28°1	27°59	5°56	4°50	5°40	9°D48	29°50	17°30	22°20	2°R58	2°2	28°59	13°50	
M11	15 23 30	21°51'06	12♌31	28°39	7°0	5°33	5°33	9°48	29°50	17°29	22°21	2°58	1°59	29°5	13°54	
T12	15 27 27	22°48'29	27°18	29°22	8°3	6°16	5°25	9°48	29°50	17°27	22°22	2°57	1°56	29°12	13°59	
W13	15 31 24	23°45'52	12♏15	0♋10	9°7	6°59	5°18	9°49	29°49	17°25	22°24	2°55	1°53	29°19	14°3	
T14	15 35 20	24°43'14	27°15	1°1	10°11	7°42	5°11	9°49	29°49	17°24	22°25	2°52	1°50	29°26	14°8	
F15	15 39 17	25°40'35	12♌8	1°56	11°16	8°24	5°3	9°49	29°48	17°22	22°27	2°49	1°47	29°32	14°12	
S16	15 43 13	26°37'55	26°46	2°54	12°20	9°7	4°56	9°50	29°47	17°21	22°28	2°47	1°43	29°39	14°17	
S17	15 47 10	27°35'13	11♏6	3°56	13°25	9°50	4°48	9°51	29°47	17°19	22°29	2°45	1°40	29°46	14°21	
M18	15 51 6	28°32'31	25°4	5°1	14°30	10°32	4°41	9°51	29°46	17°18	22°31	2°D44	1°37	29°52	14°26	
T19	15 55 3	29°29'47	8♏40	6°10	15°35	11°15	4°33	9°52	29°45	17°16	22°32	2°44	1°34	29°59	14°31	
W20	15 58 59	0♏27'03	21°54	7°21	16°40	11°57	4°26	9°53	29°44	17°14	22°33	2°45	1°31	0♋6	14°36	
T21	16 2 56	1°24'17	4♌50	8°37	17°46	12°39	4°18	9°54	29°43	17°13	22°35	2°47	1°27	0°13	14°41	
F22	16 6 53	2°21'31	17°29	9°55	18°51	13°22	4°10	9°55	29°43	17°11	22°36	2°48	1°24	0°19	14°45	
S23	16 10 49	3°18'44	29°56	11°16	19°57	14°4	4°3	9°56	29°42	17°10	22°38	2°R49	1°21	0°26	14°50	
S24	16 14 46	4°15'56	12♌11	12°41	21°3	14°46	3°55	9°58	29°41	17°8	22°39	2°49	1°18	0°33	14°55	
M25	16 18 42	5°13'08	24°18	14°8	22°9	15°28	3°47	9°59	29°40	17°7	22°40	2°47	1°15	0°39	15°0	
T26	16 22 39	6°10'19	6♎18	15°39	23°15	16°10	3°40	10°1	29°38	17°5	22°42	2°44	1°12	0°46	15°6	
W27	16 26 35	7°7'29	18°14	17°12	24°22	16°52	3°32	10°2	29°37	17°4	22°43	2°39	1°8	0°53	15°11	
T28	16 30 32	8°4'40	0♋8	18°49	25°28	17°34	3°24	10°4	29°36	17°2	22°44	2°33	1°5	0°59	15°16	
F29	16 34 28	9°1'50	11°58	20°29	26°35	18°16	3°17	10°6	29°35	17°1	22°46	2°26	1°2	1°6	15°21	
S30	16 38 25	9°58'59	23°50	22°11	27°42	18°58	3°9	10°8	29°34	16°59	22°47	2°20	0°59	1°13	15°26	
S31	16 42 22	10♏56'09	5♌47	23♋57	28♏49	19♋40	3♎2	10♏10	29♋32	16♌58	22♌48	2♌14	0♌56	1♋20	15♌32	

Delta T = 01h10m06s Julian Calendar 1 May 655 == Greg. Calendar 4 May 655

JUNE 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁
M 1	16 46 18	11♏53'18	17♌50	25♋45	29♏56	20♋22	2°R54	10♏12	29°R31	16°R56	22♌50	2°R10	0♌53	1♋26	15♌37	
T 2	16 50 15	12°50'27	0♋5	27°36	1♋3	21°3	2♎47	10°14	29♋30	16♌55	22°51	2♌7	0°49	1°33	15°42	
W 3	16 54 11	13°47'36	12°34	29°30	2°10	21°45	2°39	10°16	29°28	16°53	22°52	2°D7	0°46	1°40	15°48	
T 4	16 58 8	14°44'46	25°22	1♏26	3°18	22°27	2°32	10°19	29°27	16°52	22°53	2°7	0°43	1°46	15°53	
F 5	17 2 4	15°41'55	8♏33	3°24	4°25	23°8	2°25	10°21	29°25	16°51	22°55	2°8	0°40	1°53	15°59	
S 6	17 6 1	16°39'05	22°11	5°25	5°33	23°50	2°17	10°24	29°24	16°49	22°56	2°9	0°37	2°0	16°4	
S 7	17 9 57	17°36'15	6♌15	7°28	6°41	24°31	2°10	10°26	29°22	16°48	22°57	2°R10	0°33	2°6	16°10	
M 8	17 13 54	18°33'24	20°47	9°33	7°49	25°13	2°3	10°29	29°21	16°47	22°59	2°8	0°30	2°13	16°15	
T 9	17 17 51	19°30'35	5♏41	11°39	8°57	25°54	1°56	10°32	29°19	16°45	23°0	2°5	0°27	2°20	16°21	
W10	17 21 47	20°27'45	20°50	13°47	10°5	26°35	1°49	10°35	29°17	16°44	23°1	2°0	0°24	2°27	16°27	
T11	17 25 44	21°24'55	6♌5	15°56	11°13	27°16	1°42	10°38	29°16	16°43	23°2	1°53	0°21	2°33	16°32	
F12	17 29 40	22°22'05	21°16	18°5	12°22	27°58	1°35	10°41	29°14	16°42	23°4	1°45	0°18	2°40	16°38	
S13	17 33 37	23°19'15	6♏11	20°15	13°30	28°39	1°29	10°44	29°12	16°40	23°5	1°38	0°14	2°47	16°44	
S14	17 37 33	24°16'25	20°44	22°25	14°39	29°20	1°22	10°48	29°10	16°39	23°6	1°33	0°11	2°53	16°50	
M15	17 41 30	25°13'35	4♏51	24°35	15°47	0♏1	1°16	10°51	29°9	16°38	23°7	1°29	0°8	3°0	16°55	
T16	17 45 26	26°10'44	18°29	26°44	16°56	0°42	1°9	10°55	29°7	16°37	23°8	1°27	0°5	3°7	17°1	
W17	17 49 23	27°7'54	1♌42	28°53	18°5	1°23	1°3	10°58	29°5	16°36	23°10	1°D27	0°2	3°14	17°7	
T18	17 53 20	28°5'03	14°31	1♌1	19°14	2°3	0°57	11°2	29°3	16°35	23°11	1°28	29♌59	3°20	17°13	
F19	17 57 16	29°2'13	27°2	3°9	20°23	2°44	0°51	11°5	29°1	16°33	23°12	1°R28	29°55	3°27	17°19	
S20	18 1 13	29°59'23	9♌17	5°15	21°32	3°25	0°45	11°9	28°59	16°32	23°13	1°28	29°52	3°34	17°25	
S21	18 5 9	0♌56'32	21°23	7°19	22°41	4°6	0°39	11°13	28°57	16°31	23°14	1°26	29°49	3°40	17°31	
M22	18 9 6	1°53'42	3♎21	9°22	23°50	4°46	0°34	11°17	28°55	16°30	23°15	1°22	29°46	3°47	17°37	
T23	18 13 2	2°50'53	15°14	11°24	25°0	5°27	0°28	11°21	28°53	16°29	23°16	1°15	29°43	3°54	17°43	
W24	18 16 59	3°48'03	27°6	13°24	26°9	6°7	0°23	11°25	28°51	16°28	23°17	1°6	29°39	4°1	17°49	
T25	18 20 55	4°45'15	8♋58	15°22	27°19	6°48	0°18	11°29	28°49	16°27	23°19	0°55	29°36	4°7	17°55	
F26	18 24 52	5°42'26	20°51	17°19	28°28	7°28	0°13	11°34	28°47	16°26	23°20	0°43	29°33	4°14	18°1	
S27	18 28 49	6°39'39	2♌47	19°14	29°38	8°9	0°8	11°38	28°44	16°26	23°21	0°31	29°30	4°21	18°7	
S28	18 32 45	7°36'52	14°48	21°7	0♏48	8°49	0°3	11°43	28°42	16°25	23°22	0°21	29°27	4°27	18°13	
M29	18 36 42	8°34'05	26°56	22°59	1°58	9°29	29♌59	11°47	28°40	16°24	23°23	0°12	29°24	4°34	18°19	
T30	18 40 38	9♌31'20	9♎13	24♌48	3♏8	10♏9	29♌54	11♏52	28♋38	16♌23	23♌24	0♌6	29♌20	4♋41	18♌25	

Delta T = 01h10m05s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 655

JULY 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	18 44 35	10 ²⁸ 28'35	21 ^Ⅻ 43	26 [♄] 36	4 [♂] 18	10 [♂] 49	29 [♂] R50	11 [♂] 56	28 [♂] R36	16 [♂] R22	23 [♂] 25	0 [♂] R 2	29 [♂] 17	4 [♂] 48	18 [♂] 31
T 2	18 48 31	11 [°] 25'51	4 [♂] 29	28 [°] 23	5 [°] 28	11 [°] 30	29 [♂] 46	12 [°] 1	28 [♂] 33	16 [♂] 21	23 [°] 26	0 [♂] 0	29 [°] 14	4 [°] 54	18 [°] 37
F 3	18 52 28	12 [°] 23'09	17 [°] 35	0 [♂] 7	6 [°] 38	12 [°] 10	29 [°] 42	12 [°] 6	28 [°] 31	16 [°] 21	23 [°] 27	0 [°] D 0	29 [°] 11	5 [°] 1	18 [°] 43
S 4	18 56 24	13 [°] 20'27	1 [♂] 5	1 [°] 50	7 [°] 49	12 [°] 50	29 [°] 38	12 [°] 11	28 [°] 29	16 [°] 20	23 [°] 28	0 [°] R 0	29 [°] 8	5 [°] 8	18 [°] 49
S 5	19 0 21	14 [°] 17'47	15 [°] 1	3 [°] 31	8 [°] 59	13 [°] 29	29 [°] 34	12 [°] 16	28 [°] 27	16 [°] 19	23 [°] 29	0 [°] 0	29 [°] 5	5 [°] 14	18 [°] 55
M 6	19 4 18	15 [°] 15'08	29 [°] 24	5 [°] 10	10 [°] 9	14 [°] 9	29 [°] 31	12 [°] 21	28 [°] 24	16 [°] 19	23 [°] 29	29 [♂] 57	29 [°] 1	5 [°] 21	19 [°] 2
T 7	19 8 14	16 [°] 12'29	14 [♂] 11	6 [°] 47	11 [°] 20	14 [°] 49	29 [°] 28	12 [°] 26	28 [°] 22	16 [°] 18	23 [°] 30	29 [°] 52	28 [°] 58	5 [°] 28	19 [°] 8
W 8	19 12 11	17 [°] 9'52	29 [°] 17	8 [°] 23	12 [°] 31	15 [°] 29	29 [°] 25	12 [°] 31	28 [°] 20	16 [°] 17	23 [°] 31	29 [°] 44	28 [°] 55	5 [°] 35	19 [°] 14
T 9	19 16 7	18 [°] 7'16	14 [♄] 33	9 [°] 57	13 [°] 41	16 [°] 9	29 [°] 22	12 [°] 36	28 [°] 17	16 [°] 17	23 [°] 32	29 [°] 35	28 [°] 52	5 [°] 41	19 [°] 20
F 10	19 20 4	19 [°] 4'41	29 [°] 48	11 [°] 29	14 [°] 52	16 [°] 48	29 [°] 19	12 [°] 41	28 [°] 15	16 [°] 16	23 [°] 33	29 [°] 24	28 [°] 49	5 [°] 48	19 [°] 26
S 11	19 24 0	20 [°] 2'07	14 [♂] 51	13 [°] 0	16 [°] 3	17 [°] 28	29 [°] 16	12 [°] 47	28 [°] 13	16 [°] 16	23 [°] 34	29 [°] 14	28 [°] 45	5 [°] 55	19 [°] 32
S 12	19 27 57	20 [°] 59'34	29 [°] 33	14 [°] 29	17 [°] 14	18 [°] 8	29 [°] 14	12 [°] 52	28 [°] 10	16 [°] 15	23 [°] 35	29 [°] 5	28 [°] 42	6 [°] 1	19 [°] 38
M 13	19 31 53	21 [°] 57'01	13 [♂] 47	15 [°] 56	18 [°] 25	18 [°] 47	29 [°] 12	12 [°] 58	28 [°] 8	16 [°] 15	23 [°] 36	28 [°] 58	28 [°] 39	6 [°] 8	19 [°] 45
T 14	19 35 50	22 [°] 54'29	27 [°] 32	17 [°] 21	19 [°] 36	19 [°] 27	29 [°] 10	13 [°] 3	28 [°] 5	16 [°] 14	23 [°] 36	28 [°] 55	28 [°] 36	6 [°] 15	19 [°] 51
W 15	19 39 47	23 [°] 51'58	10 [♄] 48	18 [°] 45	20 [°] 47	20 [°] 6	29 [°] 8	13 [°] 9	28 [°] 3	16 [°] 14	23 [°] 37	28 [°] 53	28 [°] 33	6 [°] 21	19 [°] 57
T 16	19 43 43	24 [°] 49'28	23 [°] 39	20 [°] 6	21 [°] 58	20 [°] 45	29 [°] 6	13 [°] 14	28 [°] 1	16 [°] 14	23 [°] 38	28 [°] 52	28 [°] 30	6 [°] 28	20 [°] 3
F 17	19 47 40	25 [°] 46'59	6 [♂] 8	21 [°] 26	23 [°] 10	21 [°] 25	29 [°] 5	13 [°] 20	27 [°] 58	16 [°] 13	23 [°] 39	28 [°] 52	28 [°] 26	6 [°] 35	20 [°] 9
S 18	19 51 36	26 [°] 44'31	18 [°] 20	22 [°] 44	24 [°] 21	22 [°] 4	29 [°] 4	13 [°] 26	27 [°] 56	16 [°] 13	23 [°] 39	28 [°] 51	28 [°] 23	6 [°] 42	20 [°] 15
S 19	19 55 33	27 [°] 42'03	0 [♂] 21	23 [°] 59	25 [°] 32	22 [°] 43	29 [°] 2	13 [°] 32	27 [°] 53	16 [°] 13	23 [°] 40	28 [°] 49	28 [°] 20	6 [°] 48	20 [°] 22
M 20	19 59 29	28 [°] 39'37	12 [°] 15	25 [°] 13	26 [°] 44	23 [°] 22	29 [°] 2	13 [°] 38	27 [°] 51	16 [°] 13	23 [°] 41	28 [°] 43	28 [°] 17	6 [°] 55	20 [°] 28
T 21	20 3 26	29 [°] 37'12	24 [°] 6	26 [°] 25	27 [°] 55	24 [°] 1	29 [°] 1	13 [°] 43	27 [°] 49	16 [°] 12	23 [°] 41	28 [°] 35	28 [°] 14	7 [°] 2	20 [°] 34
W 22	20 7 22	0 [♂] 34'48	5 [♄] 57	27 [°] 34	29 [°] 7	24 [°] 40	29 [°] 0	13 [°] 49	27 [°] 46	16 [°] 12	23 [°] 42	28 [°] 25	28 [°] 11	7 [°] 8	20 [°] 40
T 23	20 11 19	1 [°] 32'25	17 [°] 51	28 [°] 41	0 [♄] 19	25 [°] 19	29 [°] 0	13 [°] 55	27 [°] 44	16 [°] 12	23 [°] 43	28 [°] 12	28 [°] 7	7 [°] 15	20 [°] 46
F 24	20 15 16	2 [°] 30'04	29 [°] 49	29 [°] 46	1 [°] 31	25 [°] 58	29 [°] D 0	14 [°] 2	27 [°] 41	16 [°] 12	23 [°] 43	27 [°] 58	28 [°] 4	7 [°] 22	20 [°] 52
S 25	20 19 12	3 [°] 27'43	11 [♄] 52	0 [♂] 48	2 [°] 42	26 [°] 37	29 [°] 0	14 [°] 8	27 [°] 39	16 [°] 12	23 [°] 44	27 [°] 44	28 [°] 1	7 [°] 29	20 [°] 58
S 26	20 23 9	4 [°] 25'25	24 [°] 2	1 [°] 48	3 [°] 54	27 [°] 16	29 [°] 0	14 [°] 14	27 [°] 37	16 [°] 12	23 [°] 44	27 [°] 32	27 [°] 58	7 [°] 35	21 [°] 4
M 27	20 27 5	5 [°] 23'07	6 [♂] 20	2 [°] 45	5 [°] 6	27 [°] 55	29 [°] 0	14 [°] 20	27 [°] 34	16 [°] D 12	23 [°] 45	27 [°] 22	27 [°] 55	7 [°] 42	21 [°] 10
T 28	20 31 2	6 [°] 20'51	18 [°] 47	3 [°] 39	6 [°] 18	28 [°] 33	29 [°] 1	14 [°] 26	27 [°] 32	16 [°] 12	23 [°] 45	27 [°] 14	27 [°] 51	7 [°] 49	21 [°] 16
W 29	20 34 58	7 [°] 18'37	1 [♂] 25	4 [°] 30	7 [°] 30	29 [°] 12	29 [°] 2	14 [°] 33	27 [°] 30	16 [°] 12	23 [°] 46	27 [°] 10	27 [°] 48	7 [°] 55	21 [°] 22
T 30	20 38 55	8 [°] 16'25	14 [°] 16	5 [°] 18	8 [°] 43	29 [°] 50	29 [°] 3	14 [°] 39	27 [°] 27	16 [°] 12	23 [°] 46	27 [°] 7	27 [°] 45	8 [°] 2	21 [°] 29
F 31	20 42 51	9 [♂] 14'14	27 [♂] 23	6 [♂] 2	9 [♄] 55	0 [♄] 29	29 [♂] 4	14 [♂] 45	27 [♂] 25	16 [♂] 12	23 [♂] 47	27 [°] D 7	27 [♂] 42	8 [♂] 9	21 [♄] 35

Delta T = 01h10m04s Julian Calendar 1 July 655 == Greg. Calendar 4 July 655

AUGUST 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 46 48	10 [♂] 12'05	10 [♄] 50	6 [♂] 43	11 [♄] 7	1 [♄] 7	29 [♂] 5	14 [♂] 52	27 [♂] R23	16 [♂] 12	23 [♂] 47	27 [♂] R 7	27 [♂] 39	8 [♂] 16	21 [♄] 41
S 2	20 50 45	11 [°] 9'59	24 [°] 38	7 [°] 20	12 [°] 19	1 [°] 46	29 [°] 7	14 [°] 58	27 [♂] 20	16 [°] 13	23 [°] 48	27 [♂] 6	27 [°] 36	8 [°] 22	21 [°] 46
M 3	20 54 41	12 [°] 7'54	8 [♂] 48	7 [°] 53	13 [°] 32	2 [°] 24	29 [°] 8	15 [°] 5	27 [°] 18	16 [°] 13	23 [°] 48	27 [°] 4	27 [°] 32	8 [°] 29	21 [°] 52
T 4	20 58 38	13 [°] 5'51	23 [°] 20	8 [°] 22	14 [°] 44	3 [°] 3	29 [°] 10	15 [°] 12	27 [°] 16	16 [°] 13	23 [°] 49	26 [°] 59	27 [°] 29	8 [°] 36	21 [°] 58
W 5	21 2 34	14 [°] 3'50	8 [♄] 10	8 [°] 46	15 [°] 57	3 [°] 41	29 [°] 12	15 [°] 18	27 [°] 13	16 [°] 13	23 [°] 49	26 [°] 52	27 [°] 26	8 [°] 43	22 [°] 4
T 6	21 6 31	15 [°] 1'50	23 [°] 11	9 [°] 6	17 [°] 10	4 [°] 19	29 [°] 14	15 [°] 25	27 [°] 11	16 [°] 14	23 [°] 49	26 [°] 43	27 [°] 23	8 [°] 49	22 [°] 10
F 7	21 10 27	15 [°] 59'53	8 [♂] 15	9 [°] 20	18 [°] 22	4 [°] 57	29 [°] 17	15 [°] 32	27 [°] 9	16 [°] 14	23 [°] 50	26 [°] 33	27 [°] 20	8 [°] 56	22 [°] 16
S 8	21 14 24	16 [°] 57'57	23 [°] 10	9 [°] 29	19 [°] 35	5 [°] 35	29 [°] 19	15 [°] 38	27 [°] 7	16 [°] 14	23 [°] 50	26 [°] 23	27 [°] 17	9 [°] 3	22 [°] 22
S 9	21 18 20	17 [°] 56'03	7 [♂] 49	9 [♂] R33	20 [°] 48	6 [°] 13	29 [°] 22	15 [°] 45	27 [°] 5	16 [°] 15	23 [°] 50	26 [°] 14	27 [°] 13	9 [°] 9	22 [°] 28
M 10	21 22 17	18 [°] 54'10	22 [°] 5	9 [°] 30	22 [°] 1	6 [°] 51	29 [°] 25	15 [°] 52	27 [°] 2	16 [°] 15	23 [°] 51	26 [°] 7	27 [°] 10	9 [°] 16	22 [°] 34
T 11	21 26 14	19 [°] 52'19	5 [♄] 52	9 [°] 22	23 [°] 14	7 [°] 29	29 [°] 28	15 [°] 59	27 [°] 0	16 [°] 16	23 [°] 51	26 [°] 3	27 [°] 7	9 [°] 23	22 [°] 39
W 12	21 30 10	20 [°] 50'30	19 [°] 12	9 [°] 7	24 [°] 27	8 [°] 7	29 [°] 32	16 [°] 6	26 [°] 58	16 [°] 16	23 [°] 51	26 [°] 2	27 [°] 4	9 [°] 30	22 [°] 45
T 13	21 34 7	21 [°] 48'42	2 [♂] 6	8 [°] 46	25 [°] 40	8 [°] 45	29 [°] 35	16 [°] 13	26 [°] 56	16 [°] 17	23 [°] 51	26 [°] D 2	27 [°] 1	9 [°] 36	22 [°] 51
F 14	21 38 3	22 [°] 46'56	14 [°] 38	8 [°] 18	26 [°] 53	9 [°] 23	29 [°] 39	16 [°] 19	26 [°] 54	16 [°] 17	23 [°] 51	26 [°] 2	26 [°] 57	9 [°] 43	22 [°] 56
S 15	21 42 0	23 [°] 45'11	26 [°] 52	7 [°] 44	28 [°] 6	10 [°] 1	29 [°] 43	16 [°] 26	26 [°] 52	16 [°] 18	23 [°] 52	26 [°] R 2	26 [°] 54	9 [°] 50	23 [°] 2
S 16	21 45 56	24 [°] 43'28	8 [♂] 53	7 [°] 5	29 [°] 19	10 [°] 38	29 [°] 47	16 [°] 33	26 [°] 50	16 [°] 19	23				

SWISS EPHEMERIS for the year 655

SEPTEMBER 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
T 1	22 49 1	10♍20'11	3♌24	25♌12	18♌58	20♌32	1♃13	18♍28	26°R21	16♍33	23°R51	24°R48	26♌0	11♌44	24♌32									
W 2	22 52 58	11°19'03	17°53	25°20	20°12	21° 9	1°20	18°36	26♌20	16°34	23♌51	24♌44	25°57	11°51	24°37									
T 3	22 56 54	12°17'56	2♌31	25°38	21°26	21°45	1°27	18°43	26°18	16°36	23°50	24°38	25°54	11°57	24°42									
F 4	23 0 51	13°16'52	17°10	26° 5	22°40	22°22	1°34	18°50	26°17	16°37	23°50	24°32	25°51	12° 4	24°47									
S 5	23 4 47	14°15'50	1♍44	26°42	23°54	22°58	1°41	18°58	26°16	16°38	23°50	24°26	25°48	12°11	24°52									
S 6	23 8 44	15°14'50	16° 6	27°28	25° 8	23°35	1°48	19° 5	26°14	16°39	23°50	24°20	25°44	12°17	24°56									
M 7	23 12 41	16°13'53	0♌ 9	28°21	26°23	24°11	1°56	19°12	26°13	16°41	23°49	24°16	25°41	12°24	25° 1									
T 8	23 16 37	17°12'57	13°51	29°23	27°37	24°47	2° 4	19°20	26°12	16°42	23°49	24°14	25°38	12°31	25° 6									
W 9	23 20 34	18°12'03	27° 9	0♍31	28°51	25°23	2°11	19°27	26°11	16°43	23°49	24°D14	25°35	12°38	25°10									
T 10	23 24 30	19°11'11	10♌ 4	1°45	0♍ 6	25°59	2°19	19°34	26° 9	16°45	23°48	24°15	25°32	12°44	25°15									
F 11	23 28 27	20°10'22	22°38	3° 5	1°20	26°35	2°27	19°42	26° 8	16°46	23°48	24°16	25°28	12°51	25°19									
S 12	23 32 23	21° 9'34	4♌54	4°30	2°35	27°11	2°35	19°49	26° 7	16°48	23°47	24°18	25°25	12°58	25°23									
S 13	23 36 20	22° 8'47	16°58	5°58	3°49	27°47	2°44	19°56	26° 6	16°49	23°47	24°R19	25°22	13° 5	25°28									
M14	23 40 16	23° 8'03	28°53	7°30	5° 4	28°23	2°52	20° 4	26° 5	16°51	23°46	24°19	25°19	13°11	25°32									
T 15	23 44 13	24° 7'21	10♌46	9° 5	6°19	28°59	3° 1	20°11	26° 4	16°52	23°46	24°17	25°16	13°18	25°36									
W16	23 48 9	25° 6'40	22°40	10°42	7°33	29°34	3° 9	20°18	26° 4	16°54	23°45	24°15	25°13	13°25	25°40									
T 17	23 52 6	26° 6'01	4♌39	12°22	8°48	0♌10	3°18	20°26	26° 3	16°55	23°45	24°11	25° 9	13°31	25°44									
F 18	23 56 3	27° 5'25	16°48	14° 2	10° 3	0°45	3°27	20°33	26° 2	16°57	23°44	24° 6	25° 6	13°38	25°48									
S 19	23 59 59	28° 4'50	29° 9	15°44	11°17	1°21	3°36	20°40	26° 1	16°58	23°44	24° 2	25° 3	13°45	25°52									
S 20	0 3 56	29° 4'17	11♌43	17°27	12°32	1°56	3°45	20°48	26° 0	17° 0	23°43	23°58	25° 0	13°52	25°56									
M21	0 7 52	0♌ 3'46	24°32	19°10	13°47	2°31	3°54	20°55	26° 0	17° 2	23°43	23°55	24°57	13°58	26° 0									
T 22	0 11 49	1° 3'17	7♍36	20°54	15° 2	3° 6	4° 4	21° 2	25°59	17° 3	23°42	23°53	24°53	14° 5	26° 4									
W23	0 15 45	2° 2'50	20°53	22°38	16°17	3°41	4°13	21°10	25°59	17° 5	23°41	23°D52	24°50	14°12	26° 7									
T 24	0 19 42	3° 2'25	4♌23	24°22	17°32	4°16	4°23	21°17	25°58	17° 7	23°41	23°52	24°47	14°18	26°11									
F 25	0 23 38	4° 2'03	18° 5	26° 6	18°47	4°51	4°33	21°24	25°58	17° 9	23°40	23°53	24°44	14°25	26°14									
S 26	0 27 35	5° 1'43	1♍56	27°50	20° 2	5°26	4°43	21°31	25°57	17°10	23°39	23°54	24°41	14°32	26°18									
S 27	0 31 32	6° 1'25	15°55	29°33	21°17	6° 1	4°53	21°39	25°57	17°12	23°39	23°56	24°38	14°39	26°21									
M28	0 35 28	7° 1'10	0♌ 2	1♌16	22°32	6°36	5° 3	21°46	25°57	17°14	23°38	23°56	24°34	14°45	26°24									
T 29	0 39 25	8° 0'57	14°13	2°59	23°47	7°10	5°13	21°53	25°56	17°16	23°37	23°R56	24°31	14°52	26°28									
W30	0 43 21	9♌ 0'46	28♌27	4♌41	25♍ 2	7♌45	5♌23	22♍ 0	25♌56	17♌18	23♌36	23♌56	24♌28	14♌59	26♌31									

Delta T = 01h10m02s

Julian Calendar 1 Sept. 655 == Greg. Calendar 4 Sept. 655

OCTOBER 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
T 1	0 47 18	10♌ 0'38	12♌42	6♌22	26♍17	8♌19	5♌33	22♍ 7	25°R56	17♌20	23°R35	23°R54	24♌25	15♌ 5	26♌34									
F 2	0 51 14	11° 0'32	26°53	8° 4	27°32	8°53	5°44	22°14	25♌56	17°21	23♌35	23♌53	24°22	15°12	26°37									
S 3	0 55 11	12° 0'28	10♍58	9°44	28°47	9°28	5°54	22°21	25°D56	17°23	23°34	23°51	24°19	15°19	26°40									
S 4	0 59 7	13° 0'26	24°53	11°25	0♌ 2	10° 2	6° 5	22°28	25°56	17°25	23°33	23°50	24°15	15°26	26°43									
M 5	1 3 4	14° 0'27	8♌34	13° 4	1°17	10°36	6°16	22°35	25°56	17°27	23°32	23°49	24°12	15°32	26°45									
T 6	1 7 1	15° 0'29	21°59	14°43	2°33	11°10	6°27	22°42	25°56	17°29	23°31	23°D49	24° 9	15°39	26°48									
W 7	1 10 57	16° 0'33	5♌ 6	16°22	3°48	11°44	6°38	22°49	25°56	17°31	23°30	23°49	24° 6	15°46	26°51									
T 8	1 14 54	17° 0'39	17°54	18° 0	5° 3	12°18	6°49	22°56	25°56	17°33	23°30	23°49	24° 3	15°53	26°53									
F 9	1 18 50	18° 0'47	0♌26	19°38	6°18	12°51	7° 0	23° 3	25°57	17°35	23°29	23°50	23°59	15°59	26°56									
S 10	1 22 47	19° 0'57	12°43	21°15	7°34	13°25	7°11	23°10	25°57	17°37	23°28	23°50	23°56	16° 6	26°58									
S 11	1 26 43	20° 1'08	24°47	22°52	8°49	13°58	7°23	23°17	25°57	17°39	23°27	23°51	23°53	16°13	27° 0									
M12	1 30 40	21° 1'21	6♌34	24°28	10° 4	14°32	7°34	23°24	25°58	17°41	23°26	23°51	23°50	16°19	27° 3									
T 13	1 34 36	22° 1'36	18°37	26° 4	11°20	15° 5	7°45	23°31	25°58	17°43	23°25	23°R51	23°47	16°26	27° 5									
W14	1 38 33	23° 1'52	0♌30	27°39	12°35	15°38	7°57	23°37	25°59	17°45	23°24	23°51	23°44	16°33	27° 7									
T 15	1 42 29	24° 2'10	12°29	29°14	13°50	16°11	8° 9	23°44	25°59	17°48	23°23	23°D51	23°40	16°40	27° 9									
F 16	1 46 26	25° 2'29	24°39	0♌49	15° 6	16°44	8°20	23°51	26° 0	17°50	23°22	23°51	23°37	16°46	27°11									
S 17	1 50 23	26° 2'50	7♌ 2	2°23	16°21	17°17	8°32	23°57	26° 1	17°52	23°21	23°52	23°34	16°53	27°12									
S 18	1 54 19	27° 3'12	19°43	3°57	17°37	17°49	8°44	24° 4	26° 1	17°54	23°20	23°52	23°31	17° 0	27°14									
M19	1 58 16	28° 3'36	2♍43	5°31	18°52	18°22	8°56	24°11	26° 2	17°56	23°19	23°52	23°28	17° 6	27°16									
T 20	2 2 12	29° 4'01	16° 4	7° 4	20° 7	18°54	9° 8	24°17	26° 3	17°58	23°18	23°52	23°24	17°13	27°17									
W21	2 6 9	0♌ 4'28	29°43	8°37	21°23	19°27	9°20	24°23	26° 4	18° 0	23°17	23°R52	23°21	17°20	27°19									
T 22	2 10 5	1° 4'57	13♌41	10°10	22°38	19°59	9°32	24°30	26° 5	18° 3	23°16	23°52	23°18	17°27	27°20									
F 23	2 14 2	2° 5'27	27°51	11°42	23°54	20°31	9°45	24°36	26° 6	18° 5	23°15	23°51	23°15	17°33	27°21									
S 24	2 17 58	3° 5'59	12♍11	13°14	25° 9	21° 3	9°57	24°43	26° 7	18° 7	23°14	23°50	23°12	17°40	27°22									
S 25	2 21 55	4° 6'34	26°35	14°46	26°25	21°35	10° 9	24°49	26° 8	18° 9	23°13	23°49	23° 9	17°47	27°23									
M26	2 25 52	5° 7'10	10♌58	16°18	27°40	22° 7	10°22	24°55	26° 9	18°11	23°12	23°48	23° 5	17°54	27°24									
T 27	2 29 48	6° 7'47	25°17	17°49	28°56	22°38	10°34	25° 1	26°10	18°14	23°11	23°47	23° 2	18° 0	27°25									

SWISS EPHEMERIS for the year 655

NOVEMBER 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	2 49 31	11♈11'22	4♌24	25♍22	5♍13	25♎14	11♏38	25♐31	26♑17	18♒25	23°R 5	23♓51	22♔46	18♕34	27♖28
M 2	2 53 27	12°12'10	17°38	26°52	6°29	25°45	11°51	25°37	26°18	18°27	23♓4	23°R52	22°43	18°41	27°29
T 3	2 57 24	13°12'59	0♌40	28°21	7°44	26°15	12° 4	25°43	26°20	18°29	23° 3	23°52	22°40	18°47	27°29
W 4	3 1 21	14°13'50	13°29	29°50	9° 0	26°46	12°17	25°48	26°21	18°32	23° 2	23°51	22°37	18°54	27°29
T 5	3 5 17	15°14'42	26° 5	1♌18	10°15	27°16	12°30	25°54	26°23	18°34	23° 1	23°48	22°34	19° 1	27°R29
F 6	3 9 14	16°15'35	8♌28	2°46	11°31	27°46	12°43	26° 0	26°24	18°36	22°59	23°45	22°30	19° 8	27°29
S 7	3 13 10	17°16'30	20°41	4°13	12°47	28°16	12°56	26° 5	26°26	18°38	22°58	23°41	22°27	19°14	27°29
S 8	3 17 7	18°17'25	2♌43	5°40	14° 2	28°46	13° 9	26°11	26°28	18°41	22°57	23°37	22°24	19°21	27°29
M 9	3 21 3	19°18'22	14°39	7° 6	15°18	29°16	13°22	26°16	26°30	18°43	22°56	23°33	22°21	19°28	27°28
T 10	3 25 0	20°19'19	26°31	8°31	16°33	29°45	13°36	26°21	26°32	18°45	22°55	23°29	22°18	19°34	27°28
W11	3 28 56	21°20'17	8♌23	9°54	17°49	0♍14	13°49	26°27	26°33	18°47	22°54	23°27	22°15	19°41	27°27
T 12	3 32 53	22°21'16	20°19	11°17	19° 4	0°43	14° 2	26°32	26°35	18°50	22°52	23°D26	22°11	19°48	27°27
F 13	3 36 50	23°22'16	2♌25	12°38	20°20	1°12	14°16	26°37	26°37	18°52	22°51	23°27	22° 8	19°55	27°26
S 14	3 40 46	24°23'16	14°45	13°58	21°35	1°41	14°29	26°42	26°39	18°54	22°50	23°28	22° 5	20° 1	27°25
S 15	3 44 43	25°24'17	27°24	15°16	22°51	2°10	14°42	26°47	26°41	18°56	22°49	23°30	22° 2	20° 8	27°25
M16	3 48 39	26°25'19	10♌26	16°31	24° 7	2°38	14°56	26°52	26°43	18°59	22°48	23°31	21°59	20°15	27°24
T 17	3 52 36	27°26'22	23°53	17°44	25°22	3° 6	15° 9	26°56	26°46	19° 1	22°47	23°R32	21°56	20°21	27°23
W18	3 56 32	28°27'25	7♌45	18°55	26°38	3°34	15°23	27° 1	26°48	19° 3	22°46	23°31	21°52	20°28	27°21
T 19	4 0 29	29°28'29	22° 2	20° 1	27°53	4° 2	15°37	27° 6	26°50	19° 5	22°44	23°29	21°49	20°35	27°20
F 20	4 4 25	0♌29'33	6♌39	21° 4	29° 9	4°29	15°50	27°10	26°52	19° 8	22°43	23°24	21°46	20°42	27°19
S 21	4 8 22	1°30'39	21°28	22° 2	0♌24	4°57	16° 4	27°15	26°55	19°10	22°42	23°19	21°43	20°48	27°18
S 22	4 12 19	2°31'45	6♌21	22°55	1°40	5°24	16°17	27°19	26°57	19°12	22°41	23°12	21°40	20°55	27°16
M23	4 16 15	3°32'52	21°11	23°42	2°55	5°51	16°31	27°24	26°59	19°14	22°40	23° 7	21°36	21° 2	27°15
T 24	4 20 12	4°34'00	5♌49	24°22	4°11	6°17	16°45	27°28	27° 2	19°16	22°39	23° 2	21°33	21° 9	27°13
W25	4 24 8	5°35'09	20°10	24°55	5°26	6°44	16°59	27°32	27° 4	19°19	22°38	22°59	21°30	21°15	27°11
T 26	4 28 5	6°36'18	4♌13	25°19	6°42	7°10	17°12	27°36	27° 7	19°21	22°37	22°D58	21°27	21°22	27° 9
F 27	4 32 1	7°37'29	17°55	25°34	7°58	7°36	17°26	27°40	27° 9	19°23	22°35	22°58	21°24	21°29	27° 8
S 28	4 35 58	8°38'40	1♌19	25°R39	9°13	8° 2	17°40	27°44	27°12	19°25	22°34	22°59	21°21	21°35	27° 6
S 29	4 39 54	9°39'52	14°26	25°32	10°29	8°27	17°54	27°48	27°14	19°27	22°33	23° 0	21°17	21°42	27° 3
M30	4 43 51	10♌41'04	27♌18	25♌15	11♌44	8♌52	18♌ 8	27♌52	27♌17	19♌29	22♌32	23°R 1	21♌14	21♌49	27♌ 1

Delta T = 01h10m01s Julian Calendar 1 Nov. 655 == Greg. Calendar 4 Nov. 655

DECEMBER 655 C.E.JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	4 47 48	11♏42'17	9♍58	24°R45	13♏ 0	9♎17	18♏21	27♏55	27♑20	19♒32	22°R31	22°R59	21♓11	21♔56	26°R59
W 2	4 51 44	12°43'31	22°27	24♏ 4	14°15	9°42	18°35	27°59	27°22	19°34	22♓30	22♔55	21° 8	22° 2	26♕57
T 3	4 55 41	13°44'45	4♏47	23°11	15°31	10° 6	18°49	28° 2	27°25	19°36	22°29	22°49	21° 5	22° 9	26°54
F 4	4 59 37	14°45'59	16°59	22° 9	16°46	10°31	19° 3	28° 6	27°28	19°38	22°28	22°40	21° 2	22°16	26°52
S 5	5 3 34	15°47'13	29° 4	20°58	18° 2	10°54	19°17	28° 9	27°31	19°40	22°27	22°29	20°58	22°23	26°50
S 6	5 7 30	16°48'28	11♑ 3	19°41	19°17	11°18	19°31	28°12	27°33	19°42	22°26	22°18	20°55	22°29	26°47
M 7	5 11 27	17°49'43	22°56	18°21	20°33	11°41	19°45	28°15	27°36	19°44	22°25	22° 7	20°52	22°36	26°44
T 8	5 15 23	18°50'57	4♏47	16°59	21°48	12° 4	19°59	28°18	27°39	19°46	22°24	21°57	20°49	22°43	26°42
W 9	5 19 20	19°52'11	16°38	15°39	23° 4	12°27	20°13	28°21	27°42	19°48	22°23	21°50	20°46	22°49	26°39
T 10	5 23 17	20°53'25	28°32	14°23	24°19	12°49	20°27	28°24	27°45	19°50	22°22	21°44	20°42	22°56	26°36
F 11	5 27 13	21°54'39	10♏34	13°13	25°35	13°11	20°41	28°26	27°48	19°52	22°21	21°41	20°39	23° 3	26°33
S 12	5 31 10	22°55'53	22°49	12°11	26°50	13°33	20°54	28°29	27°51	19°54	22°20	21°D41	20°36	23°10	26°30
S 13	5 35 6	23°57'06	5♏22	11°19	28° 6	13°54	21° 8	28°31	27°54	19°56	22°19	21°41	20°33	23°16	26°27
M14	5 39 3	24°58'18	18°17	10°36	29°21	14°15	21°22	28°34	27°57	19°58	22°18	21°R42	20°30	23°23	26°24
T 15	5 42 59	25°59'30	1♑39	10° 3	0♑37	14°35	21°36	28°36	28° 0	20° 0	22°17	21°41	20°27	23°30	26°20
W16	5 46 56	27° 0'42	15°30	9°41	1°52	14°56	21°50	28°38	28° 3	20° 2	22°16	21°39	20°23	23°36	26°17
T 17	5 50 52	28° 1'53	29°51	9°28	3° 7	15°16	22° 4	28°40	28° 6	20° 4	22°15	21°34	20°20	23°43	26°14
F 18	5 54 49	29° 3'04	14♑38	9°D24	4°23	15°35	22°18	28°42	28° 9	20° 6	22°14	21°26	20°17	23°50	26°11
S 19	5 58 46	0♑ 4'14	29°44	9°29	5°38	15°54	22°32	28°44	28°13	20° 8	22°13	21°17	20°14	23°57	26° 7
S 20	6 2 42	1° 5'24	15♑ 0	9°42	6°54	16°13	22°46	28°46	28°16	20° 9	22°12	21° 6	20°11	24° 3	26° 4
M21	6 6 39	2° 6'34	0♑14	10° 3	8° 9	16°31	22°59	28°48	28°19	20°11	22°12	20°56	20° 8	24°10	26° 0
T 22	6 10 35	3° 7'43	15°15	10°30	9°24	16°49	23°13	28°49	28°22	20°13	22°11	20°46	20° 4	24°17	25°57
W23	6 14 32	4° 8'52	29°56	11° 3	10°40	17° 7	23°27	28°51	28°25	20°15	22°10	20°40	20° 1	24°24	25°53
T 24	6 18 28	5°10'01	14♑11	11°42	11°55	17°24	23°41	28°52	28°29	20°17	22° 9	20°36	19°58	24°30	25°49
F 25	6 22 25	6°11'09	28° 0	12°26	13°10	17°40	23°55	28°53	28°32	20°18	22° 8	20°34	19°55	24°37	25°46
S 26	6 26 21	7°12'17	11♑22	13°14	14°26	17°57	24° 8	28°55	28°35	20°20	22° 8	20°D34	19°52	24°44	25°42
S 27	6 30 18	8°13'24	24°22	14° 6	15°41	18°12	24°22	28°56	28°39	20°22	22° 7	20°R34	19°48	24°50	25°38
M28	6 34 15	9°14'32	7♍ 4	15° 2	16°56	18°27	24°36	28°57	28°42	20°23	22° 6	20°33	19°45	24°57	25°34
T 29	6 38 11	10°15'39	19°31	16° 1	18°12	18°42	24°50	28°57	28°45	20°25	22° 5	20°30	19°42	25° 4	25°31
W30	6 42 8	11°16'45	1♑46	17° 3	19°27	18°56	25° 3	28°58	28°49	20°27	22° 5	20°24	19°39	25°11	25°27
T 31	6 46 4	12♑17'50	13♏54	18♏ 7	20♑42	19♑10	25♏17	28♑59	28♑52	20♒28	22♓ 4	20♔15	19♕36	25♖17	25♗23

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