

SWISS EPHEMERIS for the year 1316

JANUARY 1316 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
T 1	7 10 7	18♌5'48	24♋46	16♌55	2♌32	11°R19	7°R46	14♌8	19♌49	1♌54	9♋3	4°R35	3♌58	2♍19	17♍48									
F 2	7 14 4	19°6'54	8♋56	18°35	3°47	11♌0	7♍43	14°15	19°52	1°56	9°4	4♌33	3°55	2°25	17°53									
S 3	7 18 0	20°7'59	22°45	20°15	5°2	10°41	7°40	14°22	19°55	1°58	9°5	4°D32	3°52	2°32	17°58									
S 4	7 21 57	21°9'03	6♌16	21°56	6°18	10°21	7°37	14°28	19°59	1°59	9°6	4°R33	3°49	2°39	18°3									
M 5	7 25 53	22°10'06	19°29	23°38	7°33	10°1	7°33	14°35	20°2	2°1	9°7	4°32	3°45	2°45	18°8									
T 6	7 29 50	23°11'09	2II29	25°20	8°48	9°40	7°29	14°42	20°5	2°3	9°9	4°29	3°42	2°52	18°13									
W 7	7 33 47	24°12'10	15°16	27°3	10°3	9°19	7°25	14°49	20°8	2°4	9°10	4°23	3°39	2°59	18°18									
T 8	7 37 43	25°13'10	27°52	28°46	11°18	8°57	7°21	14°56	20°11	2°6	9°11	4°15	3°36	3°5	18°23									
F 9	7 41 40	26°14'09	10♌19	0♌30	12°34	8°35	7°17	15°3	20°15	2°7	9°12	4°3	3°33	3°12	18°28									
S 10	7 45 36	27°15'07	22°37	2°14	13°49	8°12	7°12	15°10	20°18	2°9	9°13	3°49	3°30	3°19	18°32									
S 11	7 49 33	28°16'04	4♌47	3°59	15°4	7°49	7°8	15°17	20°21	2°10	9°15	3°34	3°26	3°26	18°37									
M12	7 53 29	29°17'01	16°49	5°44	16°19	7°26	7°3	15°24	20°24	2°12	9°16	3°20	3°23	3°32	18°41									
T 13	7 57 26	0♌17'56	28°45	7°30	17°34	7°3	6°58	15°31	20°27	2°13	9°17	3°7	3°20	3°39	18°46									
W14	8 1 22	1°18'50	10♍36	9°16	18°50	6°39	6°53	15°39	20°30	2°15	9°18	2°56	3°17	3°46	18°50									
T 15	8 5 19	2°19'43	22°25	11°2	20°5	6°15	6°48	15°46	20°33	2°16	9°20	2°48	3°14	3°52	18°54									
F 16	8 9 16	3°20'36	4♌16	12°48	21°20	5°51	6°42	15°53	20°36	2°17	9°21	2°43	3°10	3°59	18°58									
S 17	8 13 12	4°21'27	16°12	14°34	22°35	5°27	6°37	16°0	20°38	2°18	9°22	2°41	3°7	4°6	19°2									
S 18	8 17 9	5°22'18	28°18	16°20	23°50	5°3	6°31	16°7	20°41	2°20	9°24	2°40	3°4	4°13	19°6									
M19	8 21 5	6°23'07	10♍40	18°6	25°5	4°39	6°25	16°14	20°44	2°21	9°25	2°40	3°1	4°19	19°10									
T 20	8 25 2	7°23'56	23°23	19°51	26°21	4°15	6°19	16°22	20°47	2°22	9°26	2°39	2°58	4°26	19°14									
W21	8 28 58	8°24'44	6♌32	21°35	27°36	3°51	6°13	16°29	20°50	2°23	9°28	2°37	2°55	4°33	19°17									
T 22	8 32 55	9°25'30	20°11	23°18	28°51	3°28	6°7	16°36	20°52	2°25	9°29	2°32	2°51	4°39	19°21									
F 23	8 36 51	10°26'16	4♌19	25°0	0♌6	3°4	6°0	16°43	20°55	2°26	9°31	2°24	2°48	4°46	19°24									
S 24	8 40 48	11°27'01	18°56	26°39	1°21	2°41	5°54	16°51	20°58	2°27	9°32	2°14	2°45	4°53	19°28									
S 25	8 44 45	12°27'44	3♌55	28°16	2°36	2°18	5°47	16°58	21°0	2°28	9°33	2°3	2°42	4°59	19°31									
M26	8 48 41	13°28'26	19°8	29°50	3°51	1°56	5°40	17°5	21°3	2°29	9°35	1°51	2°39	5°6	19°34									
T 27	8 52 38	14°29'06	4♌21	1♌21	5°6	1°33	5°34	17°12	21°5	2°30	9°36	1°41	2°36	5°13	19°37									
W28	8 56 34	15°29'44	19°28	2°47	6°22	1°12	5°27	17°20	21°8	2°31	9°38	1°33	2°32	5°20	19°40									
T 29	9 0 31	16°30'21	4♋17	4°9	7°37	0°50	5°20	17°27	21°10	2°32	9°39	1°28	2°29	5°26	19°43									
F 30	9 4 27	17°30'56	18°42	5°25	8°52	0°29	5°12	17°34	21°13	2°33	9°41	1°25	2°26	5°33	19°45									
S 31	9 8 24	18♌31'30	2♌42	6♌35	10♌7	0♌9	5♍5	17♌42	21♌15	2♌34	9♋42	1°D25	2♌23	5♍40	19♍48									

Delta T = 07m11s Julian Calendar 1 Jan. 1316 == Greg. Calendar 9 Jan. 1316

FEBRUARY 1316 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
S 1	9 12 20	19♌32'01	16♌17	7♋38	11♌22	29°R49	4°R58	17♌49	21♌17	2♌34	9♋44	1°R25	2♌20	5♍46	19♍50									
M 2	9 16 17	20°32'31	29°28	8°33	12°37	29♌30	4♍51	17°56	21°20	2°35	9°45	1♌25	2°16	5°53	19°53									
T 3	9 20 14	21°32'58	12II21	9°21	13°52	29°12	4°43	18°3	21°22	2°36	9°47	1°23	2°13	6°0	19°55									
W 4	9 24 10	22°33'24	24°57	10°0	15°7	28°54	4°36	18°11	21°24	2°37	9°48	1°19	2°10	6°6	19°57									
T 5	9 28 7	23°33'48	7♌20	10°29	16°22	28°37	4°28	18°18	21°26	2°37	9°50	1°11	2°7	6°13	19°59									
F 6	9 32 3	24°34'10	19°34	10°49	17°37	28°20	4°21	18°25	21°28	2°38	9°51	1°2	2°4	6°20	20°1									
S 7	9 36 0	25°34'30	1♌40	10°59	18°52	28°5	4°13	18°32	21°31	2°39	9°53	0°50	2°1	6°27	20°3									
S 8	9 39 56	26°34'48	13°40	11°R 0	20°7	27°50	4°5	18°40	21°33	2°39	9°54	0°37	1°57	6°33	20°5									
M 9	9 43 53	27°35'05	25°35	10°50	21°22	27°35	3°57	18°47	21°35	2°40	9°56	0°25	1°54	6°40	20°6									
T 10	9 47 49	28°35'19	7♍27	10°31	22°37	27°22	3°50	18°54	21°36	2°41	9°57	0°13	1°51	6°47	20°8									
W11	9 51 46	29°35'32	19°17	10°3	23°52	27°9	3°42	19°1	21°38	2°41	9°59	0°4	1°48	6°53	20°9									
T 12	9 55 43	0♌35'43	1♌8	9°27	25°7	26°57	3°34	19°9	21°40	2°41	10°0	29♋57	1°45	7°0	20°11									
F 13	9 59 39	1°35'52	13°1	8°43	26°22	26°45	3°26	19°16	21°42	2°42	10°2	29°53	1°42	7°7	20°12									
S 14	10 3 36	2°36'00	24°59	7°53	27°36	26°35	3°18	19°23	21°44	2°42	10°4	29°D51	1°38	7°13	20°13									
S 15	10 7 32	3°36'06	7♍7	6°59	28°51	26°25	3°10	19°30	21°45	2°43	10°5	29°52	1°35	7°20	20°14									
M16	10 11 29	4°36'10	19°29	6°0	0♌6	26°16	3°3	19°37	21°47	2°43	10°7	29°53	1°32	7°27	20°15									
T 17	10 15 25	5°36'13	2♌9	5°0	1°21	26°8	2°55	19°44	21°49	2°43	10°8	29°R53	1°29	7°34	20°16									
W18	10 19 22	6°36'14	15°13	3°59	2°36	26°1	2°47	19°51	21°50	2°44	10°10	29°53	1°26	7°40	20°16									
T 19	10 23 18	7°36'14	28°43	2°59	3°51	25°54	2°39	19°58	21°52	2°44	10°11	29°51	1°22	7°47	20°17									
F 20	10 27 15	8°36'12	12♌42	2°0	5°6	25°48	2°31	20°5	21°53	2°44	10°13	29°47	1°19	7°54	20°17									
S 21	10 31 12	9°36'08	27°9	1°5	6°20	25°43	2°24	20°12	21°55	2°44	10°15	29°41	1°16	8°0	20°18									
S 22	10 35 8	10°36'03	12♌1	0°14	7°35	25°39	2°16	20°20	21°56	2°44	10°16	29°33	1°13	8°7	20°18									
M23	10 39 5	11°35'55	27°12	29♌28	8°50	25°35	2°8	20°26	21°57	2°45	10°18	29°25	1°10	8°14	20°R18									
T 24	10 43 1	12°35'46	12♋30	28°47	10°5	25°33	2°1	20°33	21°59	2°45	10°19	29°19	1°7	8°20	20°18									
W25	10 46 58	13°35'34	27°44	28°13	11°20	25°31	1°53	20°40	22°0	2°45	10°21	29°13	1°3	8°27	20°18									
T 26	10 50 54	14°35'21	12♋45	27°44	12°34	25°30	1°45	20°47	22°1	2°R45	10°22	29°10	1°0	8°34	20°18									
F 27	10 54 51	15°35'05	27°25	27°22	13°49	25°D29	1°38	20°54	22°2	2°45	10°24	29°D 9	0°57	8°40	20°17									
S 28	10 58 47	16°34'47	11♌39	27°6	15°4	25°29	1°31	21°1	22°3	2°45	10°26	29°10	0°54	8°47	20°17									
S 29	11 2 44	17♋34'27	25♌25	26♌57</																				

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M 1	11 6 41	18X34'05	8II44	26X54	17X33	25E32	1°R16	21X14	22X 5	2°R44	10X29	29Y12	0X47	9M 1	20°R16		
T 2	11 10 37	19°33'40	21°40	26°56	18°48	25°35	1M 9	21°21	22° 6	2X44	10°30	29°R13	0°44	9° 7	20M15		
W 3	11 14 34	20°33'13	4E15	27° 5	20° 3	25°38	1° 2	21°28	22° 7	2°44	10°32	29°11	0°41	9°14	20°14		
T 4	11 18 30	21°32'44	16°35	27°19	21°17	25°42	0°55	21°35	22° 8	2°44	10°33	29° 9	0°38	9°21	20°13		
F 5	11 22 27	22°32'12	28°42	27°38	22°32	25°46	0°48	21°41	22° 9	2°44	10°35	29° 4	0°35	9°27	20°12		
S 6	11 26 23	23°31'38	10L41	28° 2	23°46	25°52	0°41	21°48	22° 9	2°43	10°36	28°59	0°32	9°34	20°11		
S 7	11 30 20	24°31'02	22°35	28°30	25° 1	25°58	0°34	21°54	22°10	2°43	10°38	28°52	0°28	9°41	20°10		
M 8	11 34 16	25°30'23	4M26	29° 3	26°15	26° 4	0°28	22° 1	22°11	2°43	10°40	28°46	0°25	9°47	20° 8		
T 9	11 38 13	26°29'43	16°16	29°40	27°30	26°11	0°21	22° 7	22°11	2°42	10°41	28°40	0°22	9°54	20° 7		
W10	11 42 10	27°29'00	28° 8	0X22	28°45	26°19	0°15	22°14	22°12	2°42	10°43	28°36	0°19	10° 1	20° 5		
T11	11 46 6	28°28'15	10L 3	1° 6	29°59	26°27	0° 9	22°20	22°12	2°41	10°44	28°33	0°16	10° 7	20° 3		
F12	11 50 3	29°27'28	22° 3	1°55	1Y13	26°36	0° 3	22°26	22°12	2°41	10°46	28°31	0°13	10°14	20° 2		
S13	11 53 59	0Y26'39	4M11	2°46	2°28	26°46	29L57	22°33	22°13	2°40	10°47	28°D31	0° 9	10°21	20° 0		
S14	11 57 56	1°25'48	16°28	3°41	3°42	26°56	29°51	22°39	22°13	2°40	10°49	28°32	0° 6	10°28	19°58		
M15	12 1 52	2°24'55	28°58	4°39	4°57	27° 7	29°45	22°45	22°13	2°39	10°50	28°34	0° 3	10°34	19°56		
T16	12 5 49	3°24'01	11L43	5°39	6°11	27°18	29°40	22°51	22°13	2°39	10°52	28°35	0° 0	10°41	19°54		
W17	12 9 45	4°23'05	24°47	6°42	7°26	27°30	29°34	22°57	22°14	2°38	10°53	28°36	29Y57	10°48	19°51		
T18	12 13 42	5°22'07	8L13	7°48	8°40	27°42	29°29	23° 3	22°14	2°37	10°54	28°R37	29°53	10°54	19°49		
F19	12 17 39	6°21'07	22° 2	8°56	9°54	27°55	29°24	23° 9	22°R14	2°37	10°56	28°36	29°50	11° 1	19°47		
S20	12 21 35	7°20'05	6X16	10° 7	11° 9	28° 8	29°19	23°15	22°14	2°36	10°57	28°34	29°47	11° 8	19°44		
S21	12 25 32	8°19'02	20°51	11°19	12°23	28°22	29°14	23°21	22°14	2°35	10°59	28°32	29°44	11°14	19°42		
M22	12 29 28	9°17'57	5X43	12°34	13°37	28°36	29°10	23°27	22°14	2°34	11° 0	28°29	29°41	11°21	19°39		
T23	12 33 25	10°16'50	20°46	13°51	14°52	28°51	29° 5	23°33	22°13	2°33	11° 2	28°27	29°38	11°28	19°36		
W24	12 37 21	11°15'41	5Y51	15°10	16° 6	29° 6	29° 1	23°38	22°13	2°33	11° 3	28°25	29°34	11°34	19°33		
T25	12 41 18	12°14'29	20°48	16°31	17°20	29°22	28°57	23°44	22°13	2°32	11° 4	28°24	29°31	11°41	19°30		
F26	12 45 14	13°13'16	5L30	17°54	18°35	29°38	28°53	23°50	22°12	2°31	11° 6	28°D24	29°28	11°48	19°27		
S27	12 49 11	14°12'01	19°50	19°18	19°49	29°55	28°49	23°55	22°12	2°30	11° 7	28°25	29°25	11°55	19°24		
S28	12 53 8	15°10'44	3II44	20°45	21° 3	0L12	28°45	24° 1	22°12	2°29	11° 9	28°26	29°22	12° 1	19°21		
M29	12 57 4	16° 9'24	17°12	22°13	22°17	0°29	28°42	24° 6	22°11	2°28	11°10	28°27	29°19	12° 8	19°18		
T30	13 1 1	17° 8'03	0E15	23°43	23°31	0°47	28°39	24°11	22°11	2°27	11°11	28°28	29°15	12°15	19°15		
W31	13 4 57	18Y 6'39	12E55	25X14	24Y45	1L 5	28L36	24X17	22X10	2X26	11X13	28°R28	29Y12	12M21	19M11		

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APRIL 1316 JC

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	13 8 54	19Y 5'13	25E17	26X48	26Y 0	1L24	28°R33	24X22	22°R 9	2°R25	11X14	28°R28	29Y 9	12M28	19°R 8		
F 2	13 12 50	20° 3'44	7L24	28°23	27°14	1°43	28L30	24°27	22X 9	2X24	11°15	28Y28	29° 6	12°35	19M 4		
S 3	13 16 47	21° 2'13	19°21	0Y 0	28°28	2° 3	28°27	24°32	22° 8	2°23	11°16	28°27	29° 3	12°41	19° 1		
S 4	13 20 43	22° 0'41	1M13	1°38	29°42	2°22	28°25	24°37	22° 7	2°22	11°18	28°26	28°59	12°48	18°57		
M 5	13 24 40	22°59'06	13° 3	3°19	0X56	2°43	28°23	24°42	22° 6	2°21	11°19	28°25	28°56	12°55	18°54		
T 6	13 28 36	23°57'28	24°54	5° 0	2°10	3° 3	28°21	24°47	22° 6	2°19	11°20	28°25	28°53	13° 1	18°50		
W 7	13 32 33	24°55'49	6L50	6°44	3°24	3°24	28°19	24°52	22° 5	2°18	11°21	28°24	28°50	13° 8	18°46		
T 8	13 36 30	25°54'08	18°52	8°30	4°38	3°45	28°17	24°57	22° 4	2°17	11°23	28°24	28°47	13°15	18°42		
F 9	13 40 26	26°52'25	1M 3	10°17	5°52	4° 7	28°16	25° 1	22° 3	2°16	11°24	28°D24	28°44	13°21	18°38		
S10	13 44 23	27°50'41	13°25	12° 5	7° 6	4°28	28°14	25° 6	22° 2	2°15	11°25	28°24	28°40	13°28	18°34		
S11	13 48 19	28°48'54	25°58	13°56	8°20	4°51	28°13	25°10	22° 1	2°13	11°26	28°R24	28°37	13°35	18°30		
M12	13 52 16	29°47'06	8L45	15°48	9°34	5°13	28°12	25°15	21°59	2°12	11°27	28°24	28°34	13°41	18°26		
T13	13 56 12	0X45'17	21°45	17°42	10°47	5°36	28°12	25°19	21°58	2°11	11°28	28°24	28°31	13°48	18°22		
W14	14 0 9	1°43'26	5L 1	19°38	12° 1	5°59	28°11	25°23	21°57	2° 9	11°29	28°24	28°28	13°55	18°18		
T15	14 4 5	2°41'33	18°32	21°36	13°15	6°22	28°11	25°28	21°56	2° 8	11°30	28°23	28°24	14° 2	18°14		
F16	14 8 2	3°39'39	2X20	23°35	14°29	6°46	28°10	25°32	21°54	2° 7	11°32	28°D23	28°21	14° 8	18°10		
S17	14 11 59	4°37'44	16°24	25°36	15°43	7°10	28°D10	25°36	21°53	2° 5	11°33	28°23	28°18	14°15	18° 6		
S18	14 15 55	5°35'47	0X43	27°38	16°57	7°34	28°11	25°40	21°52	2° 4	11°34	28°24	28°15	14°22	18° 1		
M19	14 19 52	6°33'49	15°14	29°42	18°10	7°58	28°11	25°44	21°50	2° 2	11°35	28°24	28°12	14°28	17°57		
T20	14 23 48	7°31'49	29°52	1X48	19°24	8°23	28°12	25°47	21°49	2° 1	11°36	28°25	28° 9	14°35	17°53		
W21	14 27 45	8°29'48	14Y34	3°54	20°38	8°48	28°12	25°51	21°47	2° 0	11°37	28°26	28° 5	14°42	17°48		
T22	14 31 41	9°27'45	29°12	6° 2	21°52	9°13	28°13	25°55	21°46	1°58	11°38	28°R26	28° 2	14°48	17°44		
F23	14 35 38	10°25'41	13L40	8°11	23° 5	9°39	28°14	25°58	21°44	1°57	11°38	28°26	27°59	14°55	17°40		
S24	14 39 34	11°23'36	27°52	10°21	24°19	10° 4	28°15	26° 2	21°42	1°55	11°39	28°25	27°56	15° 2	17°35		
S25	14 43 31	12°21'29	11II44	12°32	25°33	10°30	28°17	26° 5	21°41	1°54	11°40	28°23	27°53	15° 8	17°31		
M26	14 47 28	13°19'20	25°13	14°42	26°46	10°56	28°19	26° 9	21°39	1°52	11°41	28°21	27°50	15°15	17°26		
T27	14 51 24	14°17'10	8E19	16°54	28° 0	11°23	28°20	26°12	21°37	1°51	11°42	28°19	27°46	15°22	17°22		
W28	14 55 21	15°14'58	21° 3	19° 4	29°14	11°50	28°22	26°15	21°36	1°49	11°43	28°17	27°43	15°28	17°17		
T29	14 59 17	16°12'44	3L28	21°15	0II27	12°16	28°25	26°18	21°34	1°48	11°44	28°16	27°40	15°35	17°13		
F30	15 3 14	17L10'28	15L37	23L25	1II41	12L44	28L27	26X21	21X32	1X46	11X44	28°D15	27Y37	15M42	17M 9		

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SWISS EPHEMERIS for the year 1316

MAY 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄
S 1	15 7 10	18♄8'11	27♂36	25♄34	2♂54	13♂11	28♂29	26♄24	21°R30	1°R45	11♄45	28♂16	27♂34	15♄48	17°R 4
S 2	15 11 7	19° 5'52	9♄27	27°41	4° 8	13°38	28°32	26°27	21♄28	1♄43	11°46	28°17	27°30	15°55	17♄ 0
M 3	15 15 3	20° 3'31	21°18	29°47	5°21	14° 6	28°35	26°29	21°26	1°41	11°47	28°18	27°27	16° 2	16°55
T 4	15 19 0	21° 1'09	3♄11	1♂52	6°35	14°34	28°38	26°32	21°24	1°40	11°47	28°20	27°24	16° 8	16°51
W 5	15 22 57	21°58'46	15°11	3°54	7°48	15° 2	28°41	26°34	21°22	1°38	11°48	28°21	27°21	16°15	16°46
T 6	15 26 53	22°56'21	27°21	5°54	9° 2	15°30	28°45	26°37	21°20	1°37	11°49	28°R22	27°18	16°22	16°42
F 7	15 30 50	23°53'55	9♄44	7°53	10°15	15°59	28°48	26°39	21°18	1°35	11°49	28°21	27°15	16°29	16°38
S 8	15 34 46	24°51'27	22°22	9°48	11°28	16°27	28°52	26°41	21°16	1°33	11°50	28°20	27°11	16°35	16°33
S 9	15 38 43	25°48'59	5♄16	11°41	12°42	16°56	28°56	26°43	21°14	1°32	11°51	28°17	27° 8	16°42	16°29
M10	15 42 39	26°46'29	18°25	13°32	13°55	17°25	29° 0	26°45	21°12	1°30	11°51	28°13	27° 5	16°49	16°25
T 11	15 46 36	27°43'58	1♄48	15°20	15° 9	17°54	29° 4	26°47	21°10	1°29	11°52	28° 8	27° 2	16°55	16°20
W12	15 50 33	28°41'27	15°24	17° 5	16°22	18°24	29° 8	26°49	21° 7	1°27	11°52	28° 4	26°59	17° 2	16°16
T 13	15 54 29	29°38'54	29°12	18°47	17°35	18°53	29°13	26°51	21° 5	1°25	11°53	28° 0	26°56	17° 9	16°12
F 14	15 58 26	0♂36'21	13♄ 9	20°27	18°48	19°23	29°17	26°53	21° 3	1°24	11°53	27°57	26°52	17°15	16° 8
S 15	16 2 22	1°33'47	27°14	22° 3	20° 2	19°53	29°22	26°54	21° 1	1°22	11°54	27°D56	26°49	17°22	16° 4
S 16	16 6 19	2°31'12	11♄25	23°37	21°15	20°23	29°27	26°56	20°59	1°20	11°54	27°57	26°46	17°29	15°59
M17	16 10 15	3°28'37	25°39	25° 8	22°28	20°53	29°32	26°57	20°56	1°19	11°55	27°58	26°43	17°35	15°55
T 18	16 14 12	4°26'01	9♂55	26°36	23°41	21°23	29°37	26°58	20°54	1°17	11°55	27°59	26°40	17°42	15°51
W19	16 18 8	5°23'24	24°11	28° 0	24°55	21°54	29°43	26°59	20°52	1°16	11°55	28°R 0	26°36	17°49	15°47
T 20	16 22 5	6°20'47	8♄23	29°22	26° 8	22°25	29°48	27° 1	20°49	1°14	11°56	28° 0	26°33	17°55	15°43
F 21	16 26 2	7°18'09	22°27	0♄41	27°21	22°55	29°54	27° 2	20°47	1°12	11°56	27°57	26°30	18° 2	15°39
S 22	16 29 58	8°15'30	6♂20	1°57	28°34	23°26	0♄ 0	27° 2	20°45	1°11	11°56	27°53	26°27	18° 9	15°35
S 23	16 33 55	9°12'51	19°58	3° 9	29°47	23°57	0° 6	27° 3	20°42	1° 9	11°57	27°48	26°24	18°15	15°32
M24	16 37 51	10°10'11	3♄18	4°19	1♄ 0	24°29	0°12	27° 4	20°40	1° 8	11°57	27°41	26°21	18°22	15°28
T 25	16 41 48	11° 7'30	16°19	5°25	2°13	25° 0	0°18	27° 4	20°37	1° 6	11°57	27°34	26°17	18°29	15°24
W26	16 45 44	12° 4'48	29° 1	6°28	3°26	25°32	0°25	27° 5	20°35	1° 4	11°58	27°27	26°14	18°35	15°21
T 27	16 49 41	13° 2'05	11♂26	7°27	4°39	26° 3	0°31	27° 5	20°33	1° 3	11°58	27°21	26°11	18°42	15°17
F 28	16 53 37	13°59'22	23°35	8°23	5°52	26°35	0°38	27° 6	20°30	1° 1	11°58	27°17	26° 8	18°49	15°13
S 29	16 57 34	14°56'37	5♄33	9°15	7° 5	27° 7	0°45	27° 6	20°28	1° 0	11°58	27°15	26° 5	18°55	15°10
S 30	17 1 31	15°53'52	17°25	10° 4	8°18	27°39	0°52	27°R 6	20°25	0°58	11°58	27°D14	26° 2	19° 2	15° 7
M31	17 5 27	16♂51'06	29♄15	10♄49	9♄31	28♂11	0♄59	27♄ 6	20♄23	0♄57	11♄58	27♂15	25♂58	19♄ 9	15♄ 3

Delta T = 07m10s Julian Calendar 1 May 1316 == Greg. Calendar 9 May 1316

JUNE 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄
T 1	17 9 24	17♂48'19	11♄ 9	11♄30	10♄44	28♂44	1♄ 6	27°R 6	20°R20	0°R55	11♄58	27♂16	25♂55	19♄15	15°R 0
W 2	17 13 20	18°45'32	23°12	12° 7	11°57	29°16	1°14	27°≈ 5	20♄18	0♄53	11°58	27°R17	25°52	19°22	14♄57
T 3	17 17 17	19°42'44	5♄28	12°40	13°10	29°49	1°21	27° 5	20°16	0°52	11°58	27°17	25°49	19°29	14°54
F 4	17 21 13	20°39'55	18° 1	13° 8	14°23	0♄21	1°29	27° 5	20°13	0°50	11°R58	27°15	25°46	19°35	14°51
S 5	17 25 10	21°37'06	0♄53	13°32	15°36	0°54	1°36	27° 4	20°11	0°49	11°58	27°11	25°42	19°42	14°48
S 6	17 29 6	22°34'17	14° 5	13°52	16°48	1°27	1°44	27° 3	20° 8	0°47	11°58	27° 4	25°39	19°49	14°45
M 7	17 33 3	23°31'27	27°37	14° 8	18° 1	2° 0	1°52	27° 3	20° 6	0°46	11°58	26°56	25°36	19°55	14°42
T 8	17 37 0	24°28'37	11♄27	14°19	19°14	2°33	2° 0	27° 2	20° 3	0°45	11°58	26°47	25°33	20° 2	14°39
W 9	17 40 56	25°25'47	25°30	14°25	20°27	3° 7	2° 9	27° 1	20° 1	0°43	11°58	26°38	25°30	20° 9	14°37
T 10	17 44 53	26°22'57	9♄41	14°R27	21°39	3°40	2°17	27° 0	19°59	0°42	11°58	26°30	25°27	20°16	14°34
F 11	17 48 49	27°20'06	23°57	14°24	22°52	4°14	2°25	26°59	19°56	0°40	11°58	26°24	25°23	20°22	14°32
S 12	17 52 46	28°17'16	8♄13	14°16	24° 5	4°47	2°34	26°58	19°54	0°39	11°58	26°20	25°20	20°29	14°29
S 13	17 56 42	29°14'26	22°27	14° 5	25°17	5°21	2°42	26°56	19°51	0°38	11°57	26°18	25°17	20°36	14°27
M14	18 0 39	0♄11'36	6♂35	13°48	26°30	5°55	2°51	26°55	19°49	0°36	11°57	26°D18	25°14	20°42	14°25
T 15	18 4 35	1° 8'47	20°37	13°28	27°42	6°29	3° 0	26°54	19°47	0°35	11°57	26°R19	25°11	20°49	14°23
W16	18 8 32	2° 5'58	4♄32	13° 4	28°55	7° 3	3° 9	26°52	19°44	0°33	11°57	26°19	25° 8	20°56	14°20
T 17	18 12 29	3° 3'09	18°20	12°36	0♄ 7	7°37	3°18	26°50	19°42	0°32	11°56	26°17	25° 4	21° 2	14°19
F 18	18 16 25	4° 0'21	1♂59	12° 6	1°20	8°11	3°27	26°49	19°39	0°31	11°56	26°12	25° 1	21° 9	14°17
S 19	18 20 22	4°57'32	15°28	11°32	2°32	8°46	3°37	26°47	19°37	0°30	11°56	26° 5	24°58	21°16	14°15
S 20	18 24 18	5°54'45	28°45	10°57	3°45	9°20	3°46	26°45	19°35	0°28	11°55	25°56	24°55	21°22	14°13
M21	18 28 15	6°51'57	11♄49	10°19	4°57	9°55	3°55	26°43	19°32	0°27	11°55	25°45	24°52	21°29	14°12
T 22	18 32 11	7°49'09	24°37	9°41	6°10	10°30	4° 5	26°41	19°30	0°26	11°55	25°33	24°48	21°36	14°10
W23	18 36 8	8°46'22	7♄11	9° 3	7°22	11° 4	4°15	26°38	19°28	0°25	11°54	25°21	24°45	21°42	14° 9
T 24	18 40 5	9°43'35	19°29	8°25	8°34	11°39	4°24	26°36	19°26	0°24	11°54	25°11	24°42	21°49	14° 7
F 25	18 44 1	10°40'47	1♄35	7°47	9°47	12°14	4°34	26°34	19°23	0°22	11°53	25° 3	24°39	21°56	14° 6
S 26	18 47 58	11°38'00	13°31	7°12	10°59	12°49	4°44	26°31	19°21	0°21	11°53	24°57	24°36	22° 2	14° 5
S 27	18 51 54	12°35'13	25°21	6°38	12°11	13°25	4°54	26°29	19°19	0°20	11°52	24°54	24°33	22° 9	14° 4
M28	18 55 51	13°32'26	7♄10	6° 8	13°23	14° 0	5° 4	26°26	19°17	0°19	11°52	24°53	24°29	22°16	14° 3
T 29	18 59 47	14°29'40	19° 3	5°41	14°35	14°35	5°15	26°23	19°15	0°18	11°51	24°53	24°26	22°22	14° 2
W30	19 3 44	15♄26'53	1♄ 6	5♄18	15♄48	15♄11	5♄25	26°≈21	19°≈13	0°≈17	11°≈51	24°≈53	24°≈23	22°≈29	14°≈ 2

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SWISS EPHEMERIS for the year 1316

JULY 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	19 7 40	16 ⁵² 24'07	13 ¹³ 23	4 ⁸ R59	17 ⁰ 0	15 ¹⁷ 47	5 ¹⁰ 35	26 ⁸ R18	19 ⁸ R11	0 ⁰ R16	11 ⁸ R50	24 ⁸ R52	24 ⁸ Y20	22 ⁸ 36	14 ⁸ R 1								
F 2	19 11 37	17 ⁰ 21'21	26 ⁰ 0	4 ⁸ 646	18 ¹² 12	16 ¹⁶ 22	5 ⁴ 46	26 ⁸ 15	19 ⁸ 7 9	0 ⁰ 15	11 ⁸ 50	24 ⁸ Y49	24 ⁸ 17	22 ⁸ 42	14 ⁸ 0								
S 3	19 15 34	18 ⁸ 18'35	9 ⁸ 1	4 ⁸ 37	19 ⁸ 24	16 ⁸ 58	5 ⁸ 56	26 ⁸ 12	19 ⁸ 6	0 ⁰ 14	11 ⁸ 49	24 ⁸ 43	24 ⁸ 14	22 ⁸ 49	14 ⁸ 0								
S 4	19 19 30	19 ⁸ 15'50	22 ⁸ 26	4 ⁸ D34	20 ⁸ 36	17 ⁸ 34	6 ⁸ 7	26 ⁸ 9	19 ⁸ 4	0 ⁰ 13	11 ⁸ 48	24 ⁸ 35	24 ⁸ 10	22 ⁸ 56	14 ⁸ 0								
M 5	19 23 27	20 ⁸ 13'06	6 ⁸ 315	4 ⁸ 36	21 ⁸ 47	18 ⁸ 10	6 ⁸ 18	26 ⁸ 5	19 ⁸ 2	0 ⁰ 12	11 ⁸ 48	24 ⁸ 25	24 ⁸ 7	23 ⁸ 2	13 ⁸ 59								
T 6	19 27 23	21 ⁸ 10'22	20 ⁸ 27	4 ⁸ 44	22 ⁸ 59	18 ⁸ 46	6 ⁸ 28	26 ⁸ 2	19 ⁸ 1	0 ⁰ 11	11 ⁸ 47	24 ⁸ 14	24 ⁸ 4	23 ⁸ 9	13 ⁸ 59								
W 7	19 31 20	22 ⁸ 7'38	4 ⁸ 55	4 ⁸ 58	24 ⁸ 11	19 ⁸ 22	6 ⁸ 39	25 ⁸ 59	18 ⁸ 59	0 ⁰ 10	11 ⁸ 46	24 ⁸ 3	24 ⁸ 1	23 ⁸ 16	13 ⁸ D59								
T 8	19 35 16	23 ⁸ 4'56	19 ⁸ 33	5 ⁸ 18	25 ⁸ 23	19 ⁸ 58	6 ⁸ 50	25 ⁸ 56	18 ⁸ 57	0 ⁰ 10	11 ⁸ 45	23 ⁸ 53	23 ⁸ 58	23 ⁸ 22	13 ⁸ 59								
F 9	19 39 13	24 ⁸ 2'14	4 ⁸ X13	5 ⁸ 44	26 ⁸ 35	20 ⁸ 35	7 ⁸ 1	25 ⁸ 52	18 ⁸ 55	0 ⁰ 9	11 ⁸ 45	23 ⁸ 45	23 ⁸ 54	23 ⁸ 29	14 ⁸ 0								
S 10	19 43 9	24 ⁸ 59'33	18 ⁸ 48	6 ⁸ 16	27 ⁸ 46	21 ⁸ 11	7 ⁸ 12	25 ⁸ 49	18 ⁸ 53	0 ⁰ 8	11 ⁸ 44	23 ⁸ 39	23 ⁸ 51	23 ⁸ 36	14 ⁸ 0								
S 11	19 47 6	25 ⁸ 56'53	3 ⁸ Y14	6 ⁸ 54	28 ⁸ 58	21 ⁸ 47	7 ⁸ 23	25 ⁸ 45	18 ⁸ 51	0 ⁰ 7	11 ⁸ 43	23 ⁸ 37	23 ⁸ 48	23 ⁸ 42	14 ⁸ 0								
M12	19 51 3	26 ⁸ 54'14	17 ⁸ 27	7 ⁸ 38	0 ⁸ 10	22 ⁸ 24	7 ⁸ 34	25 ⁸ 41	18 ⁸ 50	0 ⁰ 7	11 ⁸ 42	23 ⁸ 36	23 ⁸ 45	23 ⁸ 49	14 ⁸ 1								
T 13	19 54 59	27 ⁸ 51'37	1 ⁸ B27	8 ⁸ 28	1 ⁸ 21	23 ⁸ 1	7 ⁸ 46	25 ⁸ 38	18 ⁸ 48	0 ⁰ 6	11 ⁸ 42	23 ⁸ 36	23 ⁸ 42	23 ⁸ 56	14 ⁸ 1								
W14	19 58 56	28 ⁸ 49'00	15 ⁸ 12	9 ⁸ 24	2 ⁸ 33	23 ⁸ 38	7 ⁸ 57	25 ⁸ 34	18 ⁸ 46	0 ⁰ 5	11 ⁸ 41	23 ⁸ 35	23 ⁸ 39	24 ⁸ 2	14 ⁸ 2								
T 15	20 2 52	29 ⁸ 46'25	28 ⁸ 43	10 ⁸ 25	3 ⁸ 44	24 ⁸ 14	8 ⁸ 8	25 ⁸ 30	18 ⁸ 44	0 ⁰ 5	11 ⁸ 40	23 ⁸ 33	23 ⁸ 35	24 ⁸ 9	14 ⁸ 3								
F 16	20 6 49	0 ⁸ 43'52	12 ⁸ 11	3 ⁸ 11	4 ⁸ 56	24 ⁸ 51	8 ⁸ 20	25 ⁸ 26	18 ⁸ 43	0 ⁰ 4	11 ⁸ 39	23 ⁸ 28	23 ⁸ 32	24 ⁸ 16	14 ⁸ 4								
S 17	20 10 45	1 ⁸ 41'19	25 ⁸ 10	12 ⁸ 45	6 ⁸ 7	25 ⁸ 28	8 ⁸ 31	25 ⁸ 22	18 ⁸ 41	0 ⁰ 3	11 ⁸ 38	23 ⁸ 21	23 ⁸ 29	24 ⁸ 22	14 ⁸ 5								
S 18	20 14 42	2 ⁸ 38'48	8 ⁸ 6	14 ⁸ 3	7 ⁸ 19	26 ⁸ 5	8 ⁸ 43	25 ⁸ 18	18 ⁸ 40	0 ⁰ 3	11 ⁸ 37	23 ⁸ 10	23 ⁸ 26	24 ⁸ 29	14 ⁸ 6								
M19	20 18 38	3 ⁸ 36'18	20 ⁸ 50	15 ⁸ 26	8 ⁸ 30	26 ⁸ 43	8 ⁸ 55	25 ⁸ 14	18 ⁸ 38	0 ⁰ 2	11 ⁸ 36	22 ⁸ 58	23 ⁸ 23	24 ⁸ 36	14 ⁸ 7								
T 20	20 22 35	4 ⁸ 33'48	3 ⁸ Q22	16 ⁸ 54	9 ⁸ 41	27 ⁸ 20	9 ⁸ 6	25 ⁸ 10	18 ⁸ 37	0 ⁰ 2	11 ⁸ 35	22 ⁸ 45	23 ⁸ 20	24 ⁸ 42	14 ⁸ 8								
W21	20 26 32	5 ⁸ 31'20	15 ⁸ 43	18 ⁸ 26	10 ⁸ 53	27 ⁸ 57	9 ⁸ 18	25 ⁸ 6	18 ⁸ 35	0 ⁰ 1	11 ⁸ 35	22 ⁸ 33	23 ⁸ 16	24 ⁸ 49	14 ⁸ 10								
T 22	20 30 28	6 ⁸ 28'53	27 ⁸ 52	20 ⁸ 3	12 ⁸ 4	28 ⁸ 35	9 ⁸ 30	25 ⁸ 2	18 ⁸ 34	0 ⁰ 1	11 ⁸ 34	22 ⁸ 21	23 ⁸ 13	24 ⁸ 56	14 ⁸ 11								
F 23	20 34 25	7 ⁸ 26'27	9 ⁸ 17	21 ⁸ 44	13 ⁸ 15	29 ⁸ 12	9 ⁸ 42	24 ⁸ 58	18 ⁸ 33	0 ⁰ 1	11 ⁸ 33	22 ⁸ 12	23 ⁸ 10	25 ⁸ 2	14 ⁸ 13								
S 24	20 38 21	8 ⁸ 24'02	21 ⁸ 44	23 ⁸ 29	14 ⁸ 26	29 ⁸ 50	9 ⁸ 54	24 ⁸ 53	18 ⁸ 31	0 ⁰ 0	11 ⁸ 32	22 ⁸ 6	23 ⁸ 7	25 ⁸ 9	14 ⁸ 15								
S 25	20 42 18	9 ⁸ 21'38	3 ⁸ Q31	25 ⁸ 17	15 ⁸ 37	0 ⁸ 28	10 ⁸ 6	24 ⁸ 49	18 ⁸ 30	0 ⁰ 0	11 ⁸ 31	22 ⁸ 2	23 ⁸ 4	25 ⁸ 16	14 ⁸ 16								
M26	20 46 14	10 ⁸ 19'15	15 ⁸ 19	27 ⁸ 8	16 ⁸ 48	1 ⁸ 5	10 ⁸ 18	24 ⁸ 45	18 ⁸ 29	0 ⁰ 0	11 ⁸ 30	22 ⁸ 1	23 ⁸ 0	25 ⁸ 22	14 ⁸ 18								
T 27	20 50 11	11 ⁸ 16'54	27 ⁸ 10	29 ⁸ 1	17 ⁸ 59	1 ⁸ 43	10 ⁸ 30	24 ⁸ 40	18 ⁸ 28	29 ⁸ 15	11 ⁸ 29	22 ⁸ D 0	22 ⁸ 57	25 ⁸ 29	14 ⁸ 20								
W28	20 54 7	12 ⁸ 14'33	9 ⁸ 11	0 ⁸ 57	19 ⁸ 10	2 ⁸ 21	10 ⁸ 42	24 ⁸ 36	18 ⁸ 27	29 ⁸ 59	11 ⁸ 28	22 ⁸ R 1	22 ⁸ 54	25 ⁸ 36	14 ⁸ 22								
T 29	20 58 4	13 ⁸ 12'13	21 ⁸ 27	2 ⁸ 54	20 ⁸ 21	2 ⁸ 59	10 ⁸ 54	24 ⁸ 32	18 ⁸ 26	29 ⁸ 59	11 ⁸ 26	22 ⁸ 0	22 ⁸ 51	25 ⁸ 42	14 ⁸ 25								
F 30	21 2 1	14 ⁸ 9'54	4 ⁸ 1	4 ⁸ 53	21 ⁸ 31	3 ⁸ 37	11 ⁸ 6	24 ⁸ 27	18 ⁸ 24	29 ⁸ 59	11 ⁸ 25	21 ⁸ 59	22 ⁸ 48	25 ⁸ 49	14 ⁸ 27								
S 31	21 5 57	15 ⁸ Q 7'37	17 ⁸ 1	6 ⁸ 53	22 ⁸ 42	4 ⁸ 16	11 ⁸ 18	24 ⁸ 23	18 ⁸ 24	29 ⁸ 15	11 ⁸ 24	21 ⁸ Y55	22 ⁸ Y45	25 ⁸ 55	14 ⁸ 29								

Delta T = 07m10s

Julian Calendar 1 July 1316 == Greg. Calendar 9 July 1316

AUGUST 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	21 9 54	16 ⁸ Q 5'21	0 ⁸ 32	8 ⁸ Q53	23 ⁸ 17	4 ⁸ 54	11 ⁸ 31	24 ⁸ R18	18 ⁸ R23	29 ⁸ R59	11 ⁸ R23	21 ⁸ R49	22 ⁸ Y41	26 ⁸ 17	14 ⁸ M32								
M 2	21 13 50	17 ⁸ 3'05	14 ⁸ 28	10 ⁸ 54	25 ⁸ 3	5 ⁸ 32	11 ⁸ 43	24 ⁸ 14	18 ⁸ 22	29 ⁸ M58	11 ⁸ X22	21 ⁸ Y40	22 ⁸ 38	26 ⁸ 9	14 ⁸ 34								
T 3	21 17 47	18 ⁸ 0'52	28 ⁸ 51	12 ⁸ 55	26 ⁸ 14	6 ⁸ 11	11 ⁸ 55	24 ⁸ 9	18 ⁸ 21	29 ⁸ 58	11 ⁸ 21	21 ⁸ 31	22 ⁸ 35	26 ⁸ 15	14 ⁸ 37								
W 4	21 21 43	18 ⁸ 58'39	13 ⁸ 33	14 ⁸ 56	27 ⁸ 24	6 ⁸ 49	12 ⁸ 8	24 ⁸ 5	18 ⁸ 20	29 ⁸ D58	11 ⁸ 20	21 ⁸ 21	22 ⁸ 32	26 ⁸ 22	14 ⁸ 40								
T 5	21 25 40	19 ⁸ 56'28	28 ⁸ 33	16 ⁸ 56	28 ⁸ 34	7 ⁸ 28	12 ⁸ 20	24 ⁸ 0	18 ⁸ 19	29 ⁸ 58	11 ⁸ 19	21 ⁸ 13	22 ⁸ 29	26 ⁸ 29	14 ⁸ 43								
F 6	21 29 36	20 ⁸ 54'18	13 ⁸ X35	18 ⁸ 56	29 ⁸ 45	8 ⁸ 6	12 ⁸ 33	23 ⁸ 56	18 ⁸ 19	29 ⁸ 59	11 ⁸ 18	21 ⁸ 6	22 ⁸ 26	26 ⁸ 35	14 ⁸ 46								
S 7	21 33 33	21 ⁸ 52'10	28 ⁸ 32	20 ⁸ 55	0 ⁸ 55	8 ⁸ 45	12 ⁸ 45	23 ⁸ 51	18 ⁸ 18	29 ⁸ 59	11 ⁸ 17	21 ⁸ 2	22 ⁸ 22	26 ⁸ 42	14 ⁸ 49								
S 8	21 37 30	22 ⁸ 50'04	13 ⁸ Y17	22 ⁸ 54	2 ⁸ 5	9 ⁸ 24	12 ⁸ 58	23 ⁸ 47	18 ⁸ 17	29 ⁸ 59	11 ⁸ 15	21 ⁸ 0	22 ⁸ 19	26 ⁸ 49	14 ⁸ 52								
M 9	21 41 26	23 ⁸ 47'59	27 ⁸ 44	24 ⁸ 51	3 ⁸ 15	10 ⁸ 3	13 ⁸ 10	23 ⁸ 42	18 ⁸ 17	29 ⁸ 59	11 ⁸ 14	21 ⁸ D 0	22 ⁸ 16	26 ⁸ 55	14 ⁸ 55								
T 10	21 45 23	24 ⁸ 45'57	11 ⁸ 31	26 ⁸ 47	4 ⁸ 25	10 ⁸ 42	13 ⁸ 23	23 ⁸ 37	18 ⁸ 16	29 ⁸ 59	11 ⁸ 13	21 ⁸ 1	22 ⁸ 13	27 ⁸ 2	14 ⁸ 58								
W11	21 49 19	25 ⁸ 43'56	25 ⁸ 37	28 ⁸ 43	5 ⁸ 35	11 ⁸ 21	13 ⁸ 36	23 ⁸ 33	18 ⁸ 16	29 ⁸ 59	11 ⁸ 12	21 ⁸ R 1	22 ⁸ 10	27 ⁸ 9	15 ⁸ 2								
T 12	21 53 16	26 ⁸ 41'58	9 ⁸ 11	0 ⁸ 37	6 ⁸ 45	12 ⁸ 0	13 ⁸ 48	23 ⁸ 28	18 ⁸ 15	0 ⁰ 1	11 ⁸ 11	21 ⁸ 0	22 ⁸ 6	27 ⁸ 15	15 ⁸ 5								
F 13	21 57 12	27 ⁸ 40'01	22 ⁸ 12	2 ⁸ 30	7 ⁸ 55	12 ⁸ 39	14 ⁸ 1	23 ⁸ 24	18 ⁸ 15	0 ⁰ 0	11 ⁸ 10	20 ⁸ 58	22 ⁸ 3	27 ⁸ 22	15 ⁸ 9								
S 14	22 1 9	28 ⁸ 38'07	5 ⁸ 6	4 ⁸ 21	9 ⁸ 4	13 ⁸ 19	14 ⁸ 14	23 ⁸ 19	18 ⁸ 15	0 ⁰ 0	11 ⁸ 8	20 ⁸ 53	22 ⁸ 0	27 ⁸ 29	15 ⁸ 13								
S 15	22 5 5	29 ⁸ 36'14	17 ⁸ 44	6 ⁸ 12	10 ⁸ 14	13 ⁸ 58	14 ⁸ 26	23 ⁸ 15	18 ⁸ 14	0 ⁰ 0	11 ⁸ 7	20 ⁸ 46	21 ⁸ 57	27 ⁸ 35	15 ⁸ 16								
M16	22 9 2	0 ⁸ 34'23	0 ⁸ 11	8 ⁸ 1	11 ⁸ 24	14 ⁸ 37	14 ⁸ 39	23 ⁸ 10	18 ⁸ 14	0 ⁰ 1	11 ⁸ 6	20 ⁸ 37											

SWISS EPHEMERIS for the year 1316

SEPTEMBER 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	23 12 7	16♍ 8'47	21♌47	4♋33	29♉44	25♄19	18♍ 6	22°R 2	18♌18	0♌11	10°R46	19°R45	21♍ 3	29♍29	16♎33								
T 2	23 16 3	17° 7'25	6♌51	6° 3	0♍52	26° 0	18°19	21♌58	18°18	0°12	10♌45	19°Y41	21° 0	29°35	16°38								
F 3	23 20 0	18° 6'06	22° 4	7°32	2° 0	26°41	18°32	21°54	18°19	0°13	10°44	19°37	20°57	29°42	16°43								
S 4	23 23 57	19° 4'48	7°Y16	9° 0	3° 8	27°21	18°45	21°50	18°20	0°14	10°43	19°36	20°53	29°49	16°49								
S 5	23 27 53	20° 3'32	22°18	10°27	4°15	28° 2	18°58	21°46	18°21	0°15	10°42	19°D35	20°50	29°55	16°54								
M 6	23 31 50	21° 2'19	7♌ 2	11°53	5°22	28°43	19°11	21°43	18°21	0°16	10°40	19°36	20°47	0♌ 2	17° 0								
T 7	23 35 46	22° 1'08	21°24	13°18	6°30	29°24	19°24	21°39	18°22	0°17	10°39	19°37	20°44	0° 8	17° 5								
W 8	23 39 43	22°59'59	5♌20	14°42	7°37	0♍ 6	19°37	21°36	18°23	0°18	10°38	19°39	20°41	0°15	17°11								
T 9	23 43 39	23°58'53	18°51	16° 5	8°44	0°47	19°50	21°32	18°24	0°20	10°37	19°R40	20°37	0°22	17°16								
F 10	23 47 36	24°57'49	1♌59	17°27	9°50	1°28	20° 3	21°29	18°25	0°21	10°36	19°39	20°34	0°28	17°22								
S 11	23 51 32	25°56'47	14°46	18°47	10°57	2°10	20°16	21°25	18°27	0°22	10°34	19°38	20°31	0°35	17°28								
S 12	23 55 29	26°55'48	27°17	20° 6	12° 4	2°51	20°29	21°22	18°28	0°23	10°33	19°36	20°28	0°42	17°34								
M13	23 59 26	27°54'51	9♌33	21°24	13°10	3°33	20°42	21°19	18°29	0°24	10°32	19°33	20°25	0°48	17°40								
T 14	0 3 22	28°53'56	21°39	22°40	14°16	4°14	20°55	21°16	18°30	0°26	10°31	19°30	20°22	0°55	17°46								
W15	0 7 19	29°53'03	3♍36	23°55	15°22	4°56	21° 8	21°13	18°31	0°27	10°30	19°26	20°18	1° 2	17°52								
T 16	0 11 15	0♌52'13	15°28	25° 9	16°28	5°38	21°21	21°10	18°33	0°28	10°29	19°23	20°15	1° 8	17°58								
F 17	0 15 12	1°51'25	27°17	26°21	17°34	6°19	21°34	21° 7	18°34	0°30	10°27	19°21	20°12	1°15	18° 4								
S 18	0 19 8	2°50'38	9♌ 4	27°31	18°39	7° 1	21°47	21° 4	18°36	0°31	10°26	19°20	20° 9	1°22	18°10								
S 19	0 23 5	3°49'54	20°53	28°39	19°44	7°43	21°59	21° 1	18°37	0°32	10°25	19°D20	20° 6	1°28	18°17								
M20	0 27 1	4°49'12	2♍44	29°46	20°49	8°25	22°12	20°59	18°39	0°34	10°24	19°20	20° 3	1°35	18°23								
T 21	0 30 58	5°48'32	14°42	0♍50	21°54	9° 7	22°25	20°56	18°40	0°35	10°23	19°21	19°59	1°42	18°29								
W22	0 34 54	6°47'53	26°48	1°51	22°59	9°50	22°38	20°53	18°42	0°37	10°22	19°22	19°56	1°48	18°36								
T 23	0 38 51	7°47'17	9♌ 6	2°51	24° 4	10°32	22°51	20°51	18°44	0°38	10°21	19°23	19°53	1°55	18°42								
F 24	0 42 48	8°46'42	21°40	3°47	25° 8	11°14	23° 4	20°49	18°45	0°40	10°20	19°24	19°50	2° 2	18°49								
S 25	0 46 44	9°46'10	4♌34	4°40	26°12	11°56	23°16	20°47	18°47	0°41	10°19	19°R25	19°47	2° 8	18°55								
S 26	0 50 41	10°45'39	17°50	5°30	27°16	12°39	23°29	20°44	18°49	0°43	10°18	19°25	19°43	2°15	19° 2								
M27	0 54 37	11°45'10	1♌31	6°16	28°19	13°21	23°42	20°42	18°51	0°45	10°17	19°24	19°40	2°22	19° 9								
T 28	0 58 34	12°44'42	15°38	6°59	29°23	14° 4	23°54	20°40	18°53	0°46	10°16	19°24	19°37	2°28	19°15								
W29	1 2 30	13°44'17	0♌10	7°36	0♌26	14°47	24° 7	20°39	18°55	0°48	10°15	19°23	19°34	2°35	19°22								
T 30	1 6 27	14°43'53	15♌ 3	8♍ 9	1♌28	15♍29	24♍20	20°37	18°57	0°50	10°14	19°Y22	19°Y31	2°41	19♍29								

Delta T = 07m10s Julian Calendar 1 Sept. 1316 == Greg. Calendar 9 Sept. 1316

OCTOBER 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	1 10 23	15♉43'30	0°Y 9	8♍36	2♌31	16♍12	24♍32	20°R35	18♌59	0♌51	10°R13	19°R22	19°Y28	2♌48	19♍36								
S 2	1 14 20	16°43'10	15°21	8°57	3°33	16°55	24°45	20°34	19° 1	0°53	10°R12	19°D22	19°24	2°55	19°43								
S 3	1 18 17	17°42'52	0♌29	9°12	4°35	17°38	24°57	20°32	19° 3	0°55	10°11	19°Y22	19°21	3° 1	19°50								
M 4	1 22 13	18°42'36	15°23	9°20	5°36	18°21	25°10	20°31	19° 5	0°57	10°10	19°22	19°18	3° 8	19°56								
T 5	1 26 10	19°42'22	29°57	9°R20	6°38	19° 4	25°22	20°30	19° 7	0°58	10° 9	19°R22	19°15	3°15	20° 3								
W 6	1 30 6	20°42'11	14♌ 6	9°12	7°38	19°47	25°35	20°28	19°10	1° 0	10° 8	19°22	19°12	3°21	20°11								
T 7	1 34 3	21°42'02	27°47	8°56	8°39	20°30	25°47	20°27	19°12	1° 2	10° 7	19°22	19° 9	3°28	20°18								
F 8	1 37 59	22°41'55	11♌ 2	8°30	9°39	21°13	25°59	20°26	19°14	1° 4	10° 6	19°22	19° 5	3°35	20°25								
S 9	1 41 56	23°41'50	23°52	7°55	10°39	21°57	26°11	20°26	19°17	1° 6	10° 5	19°D21	19° 2	3°41	20°32								
S 10	1 45 53	24°41'47	6♌21	7°11	11°38	22°40	26°24	20°25	19°19	1° 8	10° 5	19°22	18°59	3°48	20°39								
M11	1 49 49	25°41'47	18°33	6°19	12°37	23°24	26°36	20°24	19°22	1°10	10° 4	19°22	18°56	3°55	20°46								
T 12	1 53 46	26°41'48	0♍34	5°18	13°36	24° 7	26°48	20°24	19°24	1°12	10° 3	19°23	18°53	4° 1	20°54								
W13	1 57 42	27°41'52	12°26	4°10	14°34	24°51	27° 0	20°23	19°27	1°13	10° 2	19°24	18°49	4° 8	21° 1								
T 14	2 1 39	28°41'58	24°14	2°57	15°32	25°34	27°12	20°23	19°29	1°15	10° 2	19°24	18°46	4°15	21° 8								
F 15	2 5 35	29°42'06	6♌ 1	1°40	16°29	26°18	27°24	20°23	19°32	1°17	10° 1	19°25	18°43	4°21	21°15								
S 16	2 9 32	0♍42'16	17°50	0°21	17°26	27° 2	27°36	20°22	19°35	1°19	10° 0	19°R26	18°40	4°28	21°23								
S 17	2 13 28	1°42'28	29°44	29♌ 4	18°23	27°46	27°48	20°D22	19°37	1°21	9°59	19°25	18°37	4°35	21°30								
M18	2 17 25	2°42'41	11♍44	27°51	19°18	28°30	28° 0	20°23	19°40	1°23	9°59	19°24	18°34	4°41	21°38								
T 19	2 21 21	3°42'57	23°53	26°43	20°14	29°13	28°11	20°23	19°43	1°25	9°58	19°23	18°30	4°48	21°45								
W20	2 25 18	4°43'14	6♌12	25°43	21° 8	29°58	28°23	20°23	19°45	1°28	9°57	19°21	18°27	4°54	21°52								
T 21	2 29 15	5°43'33	18°42	24°53	22° 3	0♌42	28°35	20°23	19°48	1°30	9°57	19°18	18°24	5° 1	22° 0								
F 22	2 33 11	6°43'53	1♌26	24°14	22°56	1°26	28°46	20°24	19°51	1°32	9°56	19°16	18°21	5° 8	22° 7								
S 23	2 37 8	7°44'15	14°25	23°46	23°49	2°10	28°58	20°25	19°54	1°34	9°56	19°14	18°18	5°14	22°15								
S 24	2 41 4	8°44'39	27°41	23°30	24°41	2°54	29° 9	20°25	19°57	1°36	9°55	19°12	18°15	5°21	22°22								
M25	2 45 1	9°45'03	11♍15	23°D25	25°33	3°39	29°20	20°26	20° 0	1°38	9°55	19°D12	18°11	5°28	22°30								
T 26	2 48 57	10°45'30	25° 9	23°32	26°24	4°23	29°32	20°27	20° 3	1°40	9°54	19°12	18° 8	5°34	22°38								
W27	2 52 54	11°45'57	9♌22	23°49	27°14	5° 7	29°43	20°28	20° 6	1°42	9°54	19°14	18° 5	5°41	22°45								
T 28	2 56 50	12°46'26	23°53	24°15	28° 3	5°52	29°54	20°29	20° 9	1°44	9°53	19°15	18° 2	5°48	22°53								
F 29	3 0 47	13°46'56	8♍39	24°51	28°52	6°36	0♌ 5	20°30	20°12	1°47	9°53	19°16	17°59	5°54	23° 0								
S 30	3 4 44	14°47'27	23°33	25°34	29°39	7°21	0°16	20°32	20°15	1°49	9°52	19°R16	17°55	6° 1	23° 8								
S 31	3 8 40	15♍48'00	8♌29	26°24	0♌26	8♌ 6	0♌27	20°33	20°18	1°51	9°52	19°Y15	17°Y52	6° 8	23♍15								

Delta T = 07m10s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1316

NOVEMBER 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
M 1	3 12 37	16♌48'34	23♌18	27♌21	1♃12	8♂50	0♄38	20♄35	20♄21	1♂53	9°R52	19°R13	17°Y49	6♌14	23♌23		
T 2	3 16 33	17°49'10	7♌53	28°23	1°57	9°35	0°49	20°36	20°25	1°55	9♂51	19°Y 9	17°46	6°21	23°31		
W 3	3 20 30	18°49'48	22° 6	29°29	2°41	10°20	0°59	20°38	20°28	1°58	9°51	19° 5	17°43	6°28	23°38		
T 4	3 24 26	19°50'27	5♌55	0♌40	3°23	11° 5	1°10	20°40	20°31	2° 0	9°51	19° 0	17°40	6°34	23°46		
F 5	3 28 23	20°51'08	19°17	1°54	4° 5	11°50	1°20	20°42	20°34	2° 2	9°50	18°56	17°36	6°41	23°54		
S 6	3 32 20	21°51'51	2♌13	3°11	4°46	12°35	1°31	20°44	20°38	2° 4	9°50	18°52	17°33	6°48	24° 1		
S 7	3 36 16	22°52'35	14°45	4°31	5°25	13°20	1°41	20°46	20°41	2° 7	9°50	18°51	17°30	6°54	24° 9		
M 8	3 40 13	23°53'20	26°59	5°53	6° 4	14° 5	1°51	20°48	20°44	2° 9	9°50	18°D50	17°27	7° 1	24°16		
T 9	3 44 9	24°54'07	8♌59	7°16	6°41	14°50	2° 1	20°51	20°47	2°11	9°50	18°51	17°24	7° 7	24°24		
W10	3 48 6	25°54'56	20°50	8°41	7°16	15°36	2°11	20°53	20°51	2°13	9°49	18°53	17°20	7°14	24°32		
T11	3 52 2	26°55'46	2♌37	10° 8	7°51	16°21	2°21	20°56	20°54	2°16	9°49	18°55	17°17	7°21	24°39		
F12	3 55 59	27°56'38	14°24	11°35	8°24	17° 6	2°31	20°58	20°58	2°18	9°49	18°R56	17°14	7°27	24°47		
S13	3 59 55	28°57'31	26°17	13° 4	8°55	17°52	2°41	21° 1	21° 1	2°20	9°49	18°56	17°11	7°34	24°55		
S14	4 3 52	29°58'25	8♌18	14°33	9°25	18°37	2°50	21° 4	21° 4	2°22	9°49	18°53	17° 8	7°41	25° 2		
M15	4 7 48	0♂59'21	20°29	16° 3	9°54	19°23	3° 0	21° 7	21° 8	2°25	9°49	18°49	17° 5	7°47	25°10		
T16	4 11 45	2° 0'17	2♌54	17°33	10°20	20° 8	3° 9	21°10	21°11	2°27	9°D49	18°43	17° 1	7°54	25°17		
W17	4 15 42	3° 1'15	15°31	19° 4	10°45	20°54	3°19	21°13	21°15	2°29	9°49	18°35	16°58	8° 1	25°25		
T18	4 19 38	4° 2'14	28°21	20°35	11° 8	21°39	3°28	21°16	21°18	2°31	9°49	18°27	16°55	8° 7	25°33		
F19	4 23 35	5° 3'14	11♌25	22° 6	11°30	22°25	3°37	21°20	21°22	2°34	9°49	18°18	16°52	8°14	25°40		
S20	4 27 31	6° 4'14	24°40	23°38	11°49	23°11	3°46	21°23	21°25	2°36	9°49	18°11	16°49	8°21	25°48		
S21	4 31 28	7° 5'15	8♌ 8	25°10	12° 6	23°57	3°55	21°26	21°29	2°38	9°49	18° 5	16°46	8°27	25°55		
M22	4 35 24	8° 6'17	21°47	26°42	12°22	24°43	4° 4	21°30	21°32	2°40	9°50	18° 2	16°42	8°34	26° 3		
T23	4 39 21	9° 7'19	5♂37	28°15	12°35	25°28	4°12	21°34	21°36	2°43	9°50	18°D 0	16°39	8°41	26°10		
W24	4 43 18	10° 8'22	19°38	29°47	12°46	26°14	4°21	21°37	21°40	2°45	9°50	18° 1	16°36	8°47	26°18		
T25	4 47 14	11° 9'25	3♂49	1♂20	12°55	27° 0	4°29	21°41	21°43	2°47	9°50	18° 2	16°33	8°54	26°25		
F26	4 51 11	12°10'29	18°10	2°52	13° 1	27°46	4°37	21°45	21°47	2°49	9°50	18°R 2	16°30	9° 0	26°33		
S27	4 55 7	13°11'33	2♌37	4°25	13° 5	28°32	4°46	21°49	21°50	2°52	9°51	18° 1	16°26	9° 7	26°40		
S28	4 59 4	14°12'37	17° 8	5°58	13°R 7	29°19	4°54	21°53	21°54	2°54	9°51	17°58	16°23	9°14	26°47		
M29	5 3 0	15°13'42	1♌35	7°31	13° 6	0♃ 5	5° 1	21°58	21°57	2°56	9°51	17°52	16°20	9°20	26°55		
T30	5 6 57	16♂14'48	15♌54	9♂ 5	13♃ 3	0♃51	5♌ 9	22♄ 2	22♄ 1	2♂58	9♂52	17°Y44	16°Y17	9♌27	27♌ 2		

Delta T = 07m09s

Julian Calendar 1 Nov. 1316 == Greg. Calendar 9 Nov. 1316

DECEMBER 1316 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
W 1	5 10 53	17♂15'54	29♌58	10♂38	12°R57	1♃37	5♌17	22♄ 6	22♄ 5	3♂ 1	9♂52	17°R34	16°Y14	9♌34	27♌10		
T 2	5 14 50	18°17'01	13♌43	12°12	12♃49	2°23	5°24	22°11	22° 8	3° 3	9°52	17°Y23	16°11	9°40	27°17		
F 3	5 18 47	19°18'08	27° 4	13°46	12°38	3°10	5°32	22°15	22°12	3° 5	9°53	17°13	16° 7	9°47	27°24		
S 4	5 22 43	20°19'16	10♌ 2	15°20	12°25	3°56	5°39	22°20	22°16	3° 7	9°53	17° 4	16° 4	9°54	27°31		
S 5	5 26 40	21°20'25	22°38	16°54	12° 9	4°42	5°46	22°25	22°19	3° 9	9°54	16°58	16° 1	10° 0	27°38		
M 6	5 30 36	22°21'34	4♌54	18°28	11°51	5°29	5°53	22°29	22°23	3°12	9°54	16°54	15°58	10° 7	27°46		
T 7	5 34 33	23°22'44	16°56	20° 3	11°30	6°15	6° 0	22°34	22°26	3°14	9°55	16°52	15°55	10°14	27°53		
W 8	5 38 29	24°23'54	28°47	21°38	11° 7	7° 2	6° 6	22°39	22°30	3°16	9°55	16°D52	15°52	10°20	28° 0		
T 9	5 42 26	25°25'05	10♌35	23°13	10°42	7°48	6°13	22°44	22°34	3°18	9°56	16°R52	15°48	10°27	28° 7		
F10	5 46 22	26°26'16	22°23	24°48	10°16	8°35	6°19	22°49	22°37	3°20	9°56	16°52	15°45	10°34	28°14		
S11	5 50 19	27°27'27	4♌18	26°24	9°47	9°22	6°25	22°54	22°41	3°22	9°57	16°51	15°42	10°40	28°21		
S12	5 54 16	28°28'40	16°24	28° 0	9°16	10° 8	6°31	22°59	22°44	3°24	9°58	16°47	15°39	10°47	28°28		
M13	5 58 12	29°29'52	28°45	29°36	8°44	10°55	6°37	23° 5	22°48	3°26	9°58	16°40	15°36	10°53	28°35		
T14	6 2 9	0♃31'05	11♂23	1♃12	8°11	11°42	6°43	23°10	22°52	3°28	9°59	16°31	15°32	11° 0	28°42		
W15	6 6 5	1°32'17	24°19	2°49	7°36	12°29	6°49	23°15	22°55	3°31	10° 0	16°19	15°29	11° 7	28°48		
T16	6 10 2	2°33'30	7♃32	4°27	7° 1	13°15	6°54	23°21	22°59	3°33	10° 0	16° 6	15°26	11°13	28°55		
F17	6 13 58	3°34'43	21° 1	6° 4	6°25	14° 2	6°59	23°26	23° 2	3°35	10° 1	15°53	15°23	11°20	29° 2		
S18	6 17 55	4°35'56	4♌42	7°42	5°48	14°49	7° 4	23°32	23° 6	3°37	10° 2	15°41	15°20	11°27	29° 9		
S19	6 21 52	5°37'08	18°32	9°21	5°12	15°36	7° 9	23°38	23°10	3°39	10° 3	15°32	15°17	11°33	29°15		
M20	6 25 48	6°38'20	2♂29	10°59	4°35	16°23	7°14	23°43	23°13	3°41	10° 3	15°25	15°13	11°40	29°22		
T21	6 29 45	7°39'31	16°30	12°39	3°59	17°10	7°19	23°49	23°17	3°43	10° 4	15°22	15°10	11°47	29°28		
W22	6 33 41	8°40'42	0♂33	14°18	3°23	17°57	7°23	23°55	23°20	3°45	10° 5	15°20	15° 7	11°53	29°35		
T23	6 37 38	9°41'52	14°37	15°58	2°48	18°44	7°27	24° 1	23°24	3°46	10° 6	15°20	15° 4	12° 0	29°41		
F24	6 41 34	10°43'01	28°42	17°38	2°14	19°31	7°31	24° 7	23°27	3°48	10° 7	15°20	15° 1	12° 7	29°48		
S25	6 45 31	11°44'10	12♌47	19°18	1°42	20°18	7°35	24°13	23°31	3°50	10° 8	15°18	14°58	12°13	29°54		
S26	6 49 27	12°45'18	26°50	20°59	1°11	21° 5	7°39	24°19	23°34	3°52	10° 9	15°14	14°54	12°20	0♂ 0		
M27	6 53 24	13°46'26	10♌50	22°40	0°42	21°52	7°43	24°25	23°38	3°54	10°10	15° 6	14°51	12°26	0° 6		
T28	6 57 21	14°47'33	24°42	24°21	0°14	22°39	7°46	24°31	23°41	3°56	10°11	14°55	14°48	12°33	0°13		
W29	7 1 17	15°48'39	8♌24	26° 2	29♂49	23°26	7°49	24°38	23°45	3°58	10°12	14°43	14°45	12°40	0°19		
T30	7 5 14	16°49'45	21°51	27°43	29°25	24°13	7°52	24°44	23°48	3°59	10°13	14°29	14°42	12°46	0°25		
F31	7 9 10	17♂50'50	5♌ 0	29♂24	29♂ 4	25♃ 1	7♌55	24♄50	23♂51	4♂ 1	10♂14	14°Y16	14°Y39	12♌53	0♂31		

Delta T = 07m09s

Julian Calendar

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