

SWISS EPHEMERIS for the year 1016

JANUARY 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	7 0 57	15°54'18	0♍12	24°R10	20♋57	13♌29	0♌54	14♌10	6°R34	29♌42	13♌41	17°R37	16♌29	4♌44	20°R 6	
M 2	7 4 54	16°55'22	12°21	23♌9	22°10	14°16	0°56	14°16	6♌34	29°44	13°43	17♌32	16°25	4°51	20♍6	
T 3	7 8 50	17°56'25	24°21	22° 1	23°23	15° 3	0°59	14°22	6°34	29°47	13°45	17°29	16°22	4°57	20° 6	
W 4	7 12 47	18°57'28	6♌14	20°48	24°36	15°49	1° 1	14°29	6°33	29°49	13°47	17°26	16°19	5° 4	20° 5	
T 5	7 16 43	19°58'30	18° 6	19°32	25°49	16°36	1° 4	14°35	6°33	29°51	13°49	17°D25	16°16	5°11	20° 4	
F 6	7 20 40	20°59'31	0♍0	18°16	27° 2	17°23	1° 8	14°41	6°33	29°53	13°51	17°26	16°13	5°17	20° 4	
S 7	7 24 36	22° 0'32	12° 3	17° 1	28°15	18°10	1°11	14°47	6°33	29°56	13°53	17°27	16°10	5°24	20° 3	
S 8	7 28 33	23° 1'32	24°19	15°50	29°27	18°57	1°14	14°53	6°33	29°58	13°55	17°29	16° 6	5°31	20° 2	
M 9	7 32 29	24° 2'31	6♌53	14°45	0♍40	19°44	1°18	14°59	6°D33	0♋0	13°57	17°30	16° 3	5°38	20° 0	
T 10	7 36 26	25° 3'30	19°47	13°47	1°53	20°31	1°22	15° 5	6°33	0° 2	13°58	17°R31	16° 0	5°44	19°59	
W11	7 40 23	26° 4'28	3♌2	12°56	3° 5	21°18	1°26	15°11	6°33	0° 5	14° 0	17°30	15°57	5°51	19°58	
T 12	7 44 19	27° 5'25	16°45	12°13	4°18	22° 5	1°31	15°17	6°33	0° 7	14° 2	17°26	15°54	5°58	19°56	
F 13	7 48 16	28° 6'20	0♋46	11°39	5°30	22°52	1°35	15°23	6°33	0° 9	14° 4	17°21	15°51	6° 4	19°55	
S 14	7 52 12	29° 7'15	15° 5	11°14	6°43	23°40	1°40	15°29	6°33	0°12	14° 5	17°15	15°47	6°11	19°53	
S 15	7 56 9	0♋8'08	29°35	10°57	7°55	24°27	1°45	15°34	6°33	0°14	14° 7	17° 8	15°44	6°18	19°51	
M16	8 0 5	1° 9'00	14♌9	10°48	9° 7	25°14	1°50	15°40	6°34	0°16	14° 9	17° 1	15°41	6°25	19°49	
T 17	8 4 2	2° 9'50	28°41	10°D47	10°19	26° 1	1°55	15°46	6°34	0°18	14°10	16°55	15°38	6°31	19°47	
W18	8 7 58	3°10'38	13♌6	10°53	11°31	26°48	2° 0	15°51	6°35	0°21	14°12	16°52	15°35	6°38	19°45	
T 19	8 11 55	4°11'25	27°20	11° 6	12°43	27°35	2° 6	15°57	6°35	0°23	14°14	16°50	15°31	6°45	19°43	
F 20	8 15 52	5°12'11	11♌21	11°26	13°55	28°23	2°12	16° 2	6°36	0°25	14°15	16°D50	15°28	6°51	19°41	
S 21	8 19 48	6°12'55	25° 8	11°51	15° 7	29°10	2°18	16° 8	6°36	0°28	14°17	16°51	15°25	6°58	19°38	
S 22	8 23 45	7°13'37	8♌42	12°22	16°18	29°57	2°24	16°13	6°37	0°30	14°18	16°52	15°22	7° 5	19°36	
M23	8 27 41	8°14'17	22° 3	12°57	17°30	0♋44	2°30	16°18	6°38	0°32	14°20	16°R52	15°19	7°12	19°33	
T 24	8 31 38	9°14'56	5♌13	13°37	18°41	1°31	2°36	16°23	6°38	0°34	14°21	16°50	15°16	7°18	19°30	
W25	8 35 34	10°15'33	18°12	14°21	19°53	2°19	2°43	16°28	6°39	0°37	14°23	16°46	15°12	7°25	19°27	
T 26	8 39 31	11°16'09	1♌0	15° 9	21° 4	3° 6	2°50	16°34	6°40	0°39	14°24	16°39	15° 9	7°32	19°24	
F 27	8 43 27	12°16'43	13°37	16° 1	22°15	3°53	2°56	16°38	6°41	0°41	14°26	16°30	15° 6	7°38	19°21	
S 28	8 47 24	13°17'15	26° 3	16°56	23°26	4°40	3° 4	16°43	6°42	0°43	14°27	16°20	15° 3	7°45	19°18	
S 29	8 51 21	14°17'46	8♍18	17°54	24°37	5°28	3°11	16°48	6°43	0°46	14°28	16° 8	15° 0	7°52	19°15	
M30	8 55 17	15°18'15	20°24	18°54	25°47	6°15	3°18	16°53	6°44	0°48	14°30	15°57	14°57	7°59	19°12	
T 31	8 59 14	16°18'42	2♌21	19°57	26°58	7° 2	3°26	16°58	6°45	0°50	14°31	15°D47	14°D53	8° 5	19°10	

Delta T = 24m58s

Julian Calendar 1 Jan. 1016 == Greg. Calendar 7 Jan. 1016

FEBRUARY 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	9 3 10	17°19'09	14♌14	21♌3	28♌9	7♍49	3♌33	17♌2	6♌46	0♋52	14♌32	15°R40	14♌50	8♌12	19°R 5	
T 2	9 7 7	18°19'33	26° 4	22°10	29°19	8°37	3°41	17° 7	6°47	0°54	14°33	15♌35	14°47	8°19	19♍2	
F 3	9 11 3	19°19'57	7♍56	23°20	0♍29	9°24	3°49	17°11	6°49	0°57	14°35	15°32	14°44	8°25	18°58	
S 4	9 15 0	20°20'19	19°57	24°32	1°39	10°11	3°57	17°16	6°50	0°59	14°36	15°D31	14°41	8°32	18°54	
S 5	9 18 56	21°20'39	2♌9	25°45	2°49	10°58	4° 5	17°20	6°51	1° 1	14°37	15°32	14°37	8°39	18°51	
M 6	9 22 53	22°20'58	14°40	27° 1	3°59	11°46	4°14	17°24	6°53	1° 3	14°38	15°R32	14°34	8°46	18°47	
T 7	9 26 50	23°21'16	27°33	28°18	5° 9	12°33	4°22	17°29	6°54	1° 5	14°39	15°31	14°31	8°52	18°43	
W 8	9 30 46	24°21'32	10♌53	29°36	6°18	13°20	4°31	17°33	6°56	1° 7	14°40	15°29	14°28	8°59	18°39	
T 9	9 34 43	25°21'46	24°40	0♋56	7°28	14° 8	4°40	17°37	6°57	1°10	14°41	15°23	14°25	9° 6	18°35	
F 10	9 38 39	26°21'59	8♋55	2°18	8°37	14°55	4°49	17°41	6°59	1°12	14°42	15°16	14°22	9°12	18°31	
S 11	9 42 36	27°22'09	23°34	3°40	9°46	15°42	4°58	17°45	7° 0	1°14	14°43	15° 6	14°18	9°19	18°27	
S 12	9 46 32	28°22'18	8♌28	5° 5	10°55	16°29	5° 7	17°48	7° 2	1°16	14°44	14°55	14°15	9°26	18°23	
M13	9 50 29	29°22'25	23°29	6°30	12° 4	17°17	5°16	17°52	7° 4	1°18	14°45	14°44	14°12	9°33	18°18	
T 14	9 54 25	0♌22'30	8♍27	7°57	13°12	18° 4	5°25	17°56	7° 6	1°20	14°46	14°34	14° 9	9°39	18°14	
W15	9 58 22	1°22'33	23°14	9°25	14°21	18°51	5°35	17°59	7° 7	1°22	14°47	14°27	14° 6	9°46	18°10	
T 16	10 2 19	2°22'33	7♌43	10°54	15°29	19°38	5°45	18° 3	7° 9	1°24	14°48	14°23	14° 2	9°53	18° 5	
F 17	10 6 15	3°22'32	21°51	12°24	16°37	20°26	5°54	18° 6	7°11	1°26	14°48	14°21	13°59	9°59	18° 1	
S 18	10 10 12	4°22'28	5♌38	13°56	17°45	21°13	6° 4	18° 9	7°13	1°28	14°49	14°D20	13°56	10° 6	17°56	
S 19	10 14 8	5°22'22	19° 4	15°29	18°53	22° 0	6°14	18°12	7°15	1°30	14°50	14°R20	13°53	10°13	17°52	
M20	10 18 5	6°22'13	2♌13	17° 3	20° 0	22°47	6°24	18°16	7°17	1°32	14°51	14°19	13°50	10°20	17°47	
T 21	10 22 1	7°22'03	15° 6	18°38	21° 8	23°34	6°35	18°19	7°19	1°34	14°51	14°16	13°47	10°26	17°43	
W22	10 25 58	8°21'50	27°46	20°15	22°15	24°22	6°45	18°21	7°21	1°36	14°52	14°11	13°43	10°33	17°38	
T 23	10 29 54	9°21'35	10♌16	21°52	23°22	25° 9	6°55	18°24	7°24	1°38	14°52	14° 2	13°40	10°40	17°34	
F 24	10 33 51	10°21'17	22°37	23°31	24°28	25°56	7° 6	18°27	7°26	1°40	14°53	13°50	13°37	10°46	17°29	
S 25	10 37 48	11°20'58	4♍50	25°11	25°35	26°43	7°17	18°30	7°28	1°42	14°54	13°37	13°34	10°53	17°24	
S 26	10 41 44	12°20'36	16°55	26°53	26°41	27°30	7°27	18°32	7°30	1°43	14°54	13°22	13°31	11° 0	17°20	
M27	10 45 41	13°20'13	28°54	28°35	27°47	28°17	7°38	18°35	7°33	1°45	14°55	13° 8	13°28	11° 7	17°15	
T 28	10 49 37	14°19'47	10♌48	0♌19	28°53	29° 4	7°49	18°37	7°35	1°47	14°55	12°55	13°24	11°13	17°10	
W29	10 53 34	15°19'19	22♌39	2♌4	29°58	29°51	8♌0	18°39	7♌37	1°49	14°55	12°D45	13°D21	11°D20	17°10	

Delta T = 24m58s

Julian Calendar

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SWISS EPHEMERIS for the year 1016

MARCH 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
T 1	10 57 30	16 X 18'50	4 M 29	3 X 50	1 R 3	0 X 38	8 B 11	18 A 42	7 B 40	1 A 51	14 A 56	12 R 37	13 II 18	11 A 27	17 R 1		
F 2	11 1 27	17°18'19	16°21	5°37	2° 8	1°25	8°23	18°44	7°42	1°52	14°56	12 II 32	13°15	11°33	16 III 56		
S 3	11 5 23	18°17'45	28°20	7°26	3°13	2°12	8°34	18°46	7°45	1°54	14°56	12°30	13°12	11°40	16°51		
S 4	11 9 20	19°17'10	10 A 30	9°16	4°18	2°59	8°45	18°48	7°47	1°56	14°57	12°D30	13° 8	11°47	16°47		
M 5	11 13 17	20°16'34	22°57	11° 8	5°22	3°46	8°57	18°49	7°50	1°57	14°57	12°R30	13° 5	11°53	16°42		
T 6	11 17 13	21°15'55	5 B 46	13° 1	6°26	4°33	9° 8	18°51	7°53	1°59	14°57	12°29	13° 2	12° 0	16°37		
W 7	11 21 10	22°15'15	19° 0	14°55	7°29	5°20	9°20	18°53	7°55	2° 1	14°57	12°27	12°59	12° 7	16°33		
T 8	11 25 6	23°14'33	2 A 45	16°50	8°32	6° 7	9°32	18°54	7°58	2° 2	14°57	12°22	12°56	12°14	16°28		
F 9	11 29 3	24°13'49	16°59	18°47	9°35	6°54	9°44	18°56	8° 1	2° 4	14°57	12°15	12°53	12°20	16°23		
S 10	11 32 59	25°13'03	1 X 40	20°44	10°38	7°41	9°55	18°57	8° 3	2° 5	14°58	12° 5	12°49	12°27	16°19		
S 11	11 36 56	26°12'15	16°43	22°44	11°40	8°28	10° 7	18°58	8° 6	2° 7	14°58	11°54	12°46	12°34	16°14		
M12	11 40 52	27°11'25	1 V 58	24°44	12°42	9°15	10°19	18°59	8° 9	2° 8	14°R58	11°43	12°43	12°40	16° 9		
T 13	11 44 49	28°10'33	17°14	26°45	13°44	10° 1	10°32	19° 0	8°12	2°10	14°58	11°34	12°40	12°47	16° 5		
W14	11 48 46	29° 9'38	2 B 19	28°48	14°45	10°48	10°44	19° 1	8°15	2°11	14°58	11°27	12°37	12°54	16° 0		
T 15	11 52 42	0 V 8'42	17° 6	0 V 51	15°46	11°35	10°56	19° 2	8°18	2°13	14°57	11°22	12°34	13° 0	15°56		
F 16	11 56 39	1° 7'43	1 II 29	2°55	16°47	12°22	11° 8	19° 3	8°20	2°14	14°57	11°20	12°30	13° 7	15°51		
S 17	12 0 35	2° 6'42	15°25	4°59	17°47	13° 8	11°21	19° 3	8°23	2°16	14°57	11°D20	12°27	13°14	15°47		
S 18	12 4 32	3° 5'38	28°56	7° 4	18°47	13°55	11°33	19° 4	8°26	2°17	14°57	11°R20	12°24	13°21	15°43		
M19	12 8 28	4° 4'32	12 B 3	9°10	19°46	14°41	11°46	19° 4	8°29	2°18	14°57	11°20	12°21	13°27	15°38		
T 20	12 12 25	5° 3'24	24°51	11°15	20°45	15°28	11°58	19° 5	8°32	2°19	14°57	11°18	12°18	13°34	15°34		
W21	12 16 21	6° 2'14	7 II 22	13°20	21°43	16°14	12°11	19° 5	8°35	2°21	14°56	11°14	12°14	13°41	15°30		
T 22	12 20 18	7° 1'01	19°41	15°24	22°41	17° 1	12°24	19° 5	8°39	2°22	14°56	11° 7	12°11	13°47	15°26		
F 23	12 24 15	7°59'46	1 III 51	17°27	23°39	17°47	12°37	19°R 5	8°42	2°23	14°56	10°58	12° 8	13°54	15°21		
S 24	12 28 11	8°58'28	13°53	19°29	24°36	18°34	12°49	19° 5	8°45	2°24	14°55	10°47	12° 5	14° 1	15°17		
S 25	12 32 8	9°57'09	25°50	21°29	25°32	19°20	13° 2	19° 5	8°48	2°26	14°55	10°35	12° 2	14° 8	15°13		
M26	12 36 4	10°55'47	7 A 44	23°28	26°28	20° 7	13°15	19° 5	8°51	2°27	14°54	10°24	11°59	14°14	15° 9		
T 27	12 40 1	11°54'24	19°35	25°24	27°23	20°53	13°28	19° 4	8°54	2°28	14°54	10°14	11°55	14°21	15° 5		
W28	12 43 57	12°52'58	1 III 26	27°17	28°18	21°39	13°41	19° 4	8°57	2°29	14°53	10° 5	11°52	14°28	15° 2		
T 29	12 47 54	13°51'31	13°18	29° 8	29°12	22°25	13°54	19° 3	9° 1	2°30	14°53	9°59	11°49	14°34	14°58		
F 30	12 51 50	14°50'02	25°14	0 B 55	0 II 6	23°12	14° 7	19° 3	9° 4	2°31	14°52	9°56	11°46	14°41	14°54		
S 31	12 55 47	15 V 48'31	7 A 17	2 B 39	0 III 59	23 X 58	14 B 21	19 A 2	9 B 7	2 A 32	14 A 52	9°D55	11 II 43	14 A 48	14 III 51		

Delta T = 24m57s Julian Calendar 1 March 1016 == Greg. Calendar 7 March 1016

APRIL 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	12 59 43	16 V 46'59	19 A 30	4 B 19	1 II 51	24 X 44	14 B 34	19°R 1	9 B 10	2 A 33	14°R51	9 II 55	11 II 39	14 A 54	14°R47		
M 2	13 3 40	17°45'24	1 B 58	5°55	2°43	25°30	14°47	19 A 0	9°14	2°34	14 A 50	9°56	11°36	15° 1	14 III 44		
T 3	13 7 37	18°43'49	14°45	7°27	3°34	26°16	15° 0	18°59	9°17	2°34	14°50	9°R57	11°33	15° 8	14°40		
W 4	13 11 33	19°42'11	27°55	8°55	4°24	27° 2	15°14	18°58	9°20	2°35	14°49	9°57	11°30	15°15	14°37		
T 5	13 15 30	20°40'32	11 A 32	10°19	5°13	27°48	15°27	18°57	9°24	2°36	14°48	9°55	11°27	15°21	14°34		
F 6	13 19 26	21°38'51	25°37	11°37	6° 2	28°34	15°41	18°55	9°27	2°37	14°48	9°51	11°24	15°28	14°31		
S 7	13 23 23	22°37'09	10 X 9	12°52	6°50	29°20	15°54	18°54	9°30	2°38	14°47	9°45	11°20	15°35	14°28		
S 8	13 27 19	23°35'25	25° 4	14° 1	7°37	0 V 6	16° 8	18°53	9°34	2°38	14°46	9°38	11°17	15°41	14°25		
M 9	13 31 16	24°33'40	10 V 14	15° 6	8°23	0°52	16°21	18°51	9°37	2°39	14°45	9°32	11°14	15°48	14°22		
T 10	13 35 12	25°31'52	25°30	16° 6	9° 9	1°37	16°35	18°49	9°41	2°40	14°44	9°26	11°11	15°55	14°19		
W11	13 39 9	26°30'03	10 B 41	17° 1	9°53	2°23	16°48	18°47	9°44	2°40	14°43	9°21	11° 8	16° 1	14°16		
T 12	13 43 6	27°28'13	25°37	17°51	10°37	3° 9	17° 2	18°46	9°47	2°41	14°43	9°18	11° 5	16° 8	14°14		
F 13	13 47 2	28°26'20	10 II 11	18°36	11°19	3°55	17°16	18°44	9°51	2°41	14°42	9°D18	11° 1	16°15	14°11		
S 14	13 50 59	29°24'25	24°18	19°16	12° 0	4°40	17°29	18°42	9°54	2°42	14°41	9°18	10°58	16°21	14° 9		
S 15	13 54 55	0 B 22'29	7 B 58	19°51	12°41	5°26	17°43	18°40	9°58	2°42	14°40	9°20	10°55	16°28	14° 6		
M16	13 58 52	1°20'31	21°12	20°20	13°20	6°11	17°57	18°37	10° 1	2°43	14°39	9°21	10°52	16°35	14° 4		
T 17	14 2 48	2°18'30	4 A 3	20°44	13°58	6°57	18°11	18°35	10° 5	2°43	14°38	9°R21	10°49	16°42	14° 2		
W18	14 6 45	3°16'28	16°34	21° 3	14°35	7°42	18°24	18°33	10° 8	2°44	14°37	9°20	10°45	16°48	14° 0		
T 19	14 10 41	4°14'23	28°50	21°17	15°10	8°27	18°38	18°30	10°12	2°44	14°36	9°18	10°42	16°55	13°58		
F 20	14 14 38	5°12'17	10 III 54	21°26	15°45	9°13	18°52	18°28	10°15	2°44	14°34	9°14	10°39	17° 2	13°56		
S 21	14 18 35	6°10'09	22°51	21°R29	16°17	9°58	19° 6	18°25	10°19	2°45	14°33	9° 9	10°36	17° 8	13°55		
S 22	14 22 31	7° 8'00	4 A 44	21°28	16°49	10°43	19°20	18°22	10°22	2°45	14°32	9° 3	10°33	17°15	13°53		
M23	14 26 28	8° 5'48	16°34	21°22	17°19	11°28	19°34	18°20	10°26	2°45	14°31	8°58	10°30	17°22	13°52		
T 24	14 30 24	9° 3'35	28°26	21°11	17°47	12°13	19°48	18°17	10°29	2°45	14°30	8°53	10°26	17°28	13°50		
W25	14 34 21	10° 1'21	10 III 20	20°56	18°14	12°58	20° 2	18°14	10°33	2°46	14°29	8°49	10°23	17°35	13°49		
T 26	14 38 17	10°59'05	22°18	20°37	18°39	13°43	20°16	18°11	10°36	2°46	14°27	8°46	10°20	17°42	13°48		
F 27	14 42 14	11°56'48	4 A 22	20°14	19° 3	14°28	20°29	18° 8	10°39	2°46	14°26	8°D45	10°17	17°49	13°47		
S 28	14 46 10	12°54'29	16°35	19°48	19°24	15°13	20°43	18° 5	10°43	2°46	14°25	8°45	10°14	17°55	13°46		
S 29	14 50 7	13°52'10	28°58	19°19	19°44	15°58	20°57	18° 1	10°46	2°46	14°24	8°46	10°11	18° 2	13°45		
M30	14 54 4	14 B 49'49	11 B 35	18 B 48	20 II 2	16°V43	21 B 11	17 A 58	10 B 50	2°R46	14 A 22	8 II 48	10 II 7	18 A 9	13 III 44		

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SWISS EPHEMERIS for the year 1016

MAY 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	14 58 0	15♂47'27	24♂29	18°R15	20II18	17V28	21♂25	17°R55	10♂53	2°R46	14°R21	8II49	10II 4	18♂15	13°R44
W 2	15 1 57	16°45'04	7♂41	17♂42	20°33	18°12	21°39	17♂51	10°57	2♂46	14♂20	8°50	10° 1	18°22	13II43
T 3	15 5 53	17°42'40	21°14	17° 7	20°45	18°57	21°53	17°48	11° 0	2°46	14°18	8°R51	9°58	18°29	13°43
F 4	15 9 50	18°40'15	5♂10	16°33	20°55	19°42	22° 7	17°44	11° 4	2°46	14°17	8°50	9°55	18°35	13°42
S 5	15 13 46	19°37'49	19°28	16° 0	21° 3	20°26	22°21	17°41	11° 7	2°45	14°16	8°48	9°51	18°42	13°42
S 6	15 17 43	20°35'22	4V 6	15°27	21° 8	21°11	22°35	17°37	11°11	2°45	14°14	8°46	9°48	18°49	13°D42
M 7	15 21 39	21°32'54	18°59	14°57	21°12	21°55	22°49	17°33	11°14	2°45	14°13	8°44	9°45	18°55	13°42
T 8	15 25 36	22°30'26	3♂59	14°29	21°R13	22°40	23° 4	17°30	11°18	2°45	14°11	8°42	9°42	19° 2	13°42
W 9	15 29 33	23°27'56	18°59	14° 3	21°11	23°24	23°18	17°26	11°21	2°44	14°10	8°41	9°39	19° 9	13°43
T 10	15 33 29	24°25'25	3II49	13°41	21° 8	24° 8	23°32	17°22	11°25	2°44	14° 9	8°D40	9°36	19°16	13°43
F 11	15 37 26	25°22'54	18°22	13°22	21° 2	24°52	23°46	17°18	11°28	2°44	14° 7	8°40	9°32	19°22	13°43
S 12	15 41 22	26°20'21	2♂33	13° 7	20°53	25°37	24° 0	17°14	11°31	2°43	14° 6	8°41	9°29	19°29	13°44
S 13	15 45 19	27°17'47	16°19	12°56	20°43	26°21	24°14	17°10	11°35	2°43	14° 4	8°42	9°26	19°36	13°45
M14	15 49 15	28°15'12	29°39	12°49	20°29	27° 5	24°28	17° 6	11°38	2°42	14° 3	8°43	9°23	19°42	13°46
T 15	15 53 12	29°12'35	12♂35	12°D46	20°14	27°49	24°42	17° 2	11°42	2°42	14° 1	8°44	9°20	19°49	13°47
W16	15 57 8	0II 9'57	25°10	12°48	19°56	28°33	24°56	16°58	11°45	2°41	14° 0	8°R44	9°17	19°56	13°48
T 17	16 1 5	1° 7'18	7II28	12°55	19°36	29°17	25°10	16°54	11°48	2°41	13°58	8°44	9°13	20° 2	13°49
F 18	16 5 2	2° 4'38	19°32	13° 5	19°13	0♂ 0	25°23	16°50	11°52	2°40	13°57	8°44	9°10	20° 9	13°50
S 19	16 8 58	3° 1'57	1♂28	13°21	18°48	0°44	25°37	16°46	11°55	2°40	13°55	8°43	9° 7	20°16	13°51
S 20	16 12 55	3°59'15	13°19	13°41	18°22	1°28	25°51	16°41	11°58	2°39	13°54	8°42	9° 4	20°22	13°53
M21	16 16 51	4°56'32	25°10	14° 5	17°53	2°11	26° 5	16°37	12° 1	2°38	13°52	8°42	9° 1	20°29	13°55
T 22	16 20 48	5°53'48	7II 3	14°33	17°22	2°55	26°19	16°33	12° 5	2°38	13°50	8°41	8°57	20°36	13°56
W23	16 24 44	6°51'04	19° 2	15° 6	16°50	3°38	26°33	16°28	12° 8	2°37	13°49	8°41	8°54	20°43	13°58
T 24	16 28 41	7°48'18	1♂ 9	15°44	16°17	4°22	26°47	16°24	12°11	2°36	13°47	8°41	8°51	20°49	14° 0
F 25	16 32 37	8°45'32	13°26	16°25	15°42	5° 5	27° 1	16°20	12°14	2°36	13°46	8°41	8°48	20°56	14° 2
S 26	16 36 34	9°42'46	25°54	17°10	15° 6	5°49	27°15	16°15	12°18	2°35	13°44	8°41	8°45	21° 3	14° 4
S 27	16 40 31	10°39'59	8♂35	18° 0	14°30	6°32	27°28	16°11	12°21	2°34	13°43	8°41	8°42	21° 9	14° 7
M28	16 44 27	11°37'11	21°29	18°53	13°52	7°15	27°42	16° 7	12°24	2°33	13°41	8°41	8°38	21°16	14° 9
T 29	16 48 24	12°34'23	4♂38	19°50	13°15	7°58	27°56	16° 2	12°27	2°32	13°40	8°40	8°35	21°23	14°11
W30	16 52 20	13°31'35	18° 2	20°51	12°37	8°41	28°10	15°58	12°30	2°31	13°38	8°40	8°32	21°29	14°14
T 31	16 56 17	14II28'47	1♂41	21♂56	12II 0	9♂24	28♂23	15♂53	12♂33	2♂30	13♂36	8II40	8II29	21♂36	14II17

Delta T = 24m57s Julian Calendar 1 May 1016 == Greg. Calendar 7 May 1016

JUNE 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	17 0 13	15II25'59	15♂35	23♂ 4	11°R23	10♂ 7	28♂37	15°R49	12♂36	2°R29	13°R35	8II39	8II26	21♂43	14II20
S 2	17 4 10	16°23'10	29°44	24°17	10II46	10°50	28°51	15♂45	12°39	2♂28	13♂33	8°40	8°23	21°49	14°22
S 3	17 8 6	17°20'22	14V 5	25°32	10°10	11°33	29° 4	15°40	12°43	2°27	13°32	8°40	8°19	21°56	14°25
M 4	17 12 3	18°17'33	28°36	26°51	9°36	12°16	29°18	15°36	12°46	2°26	13°30	8°41	8°16	22° 3	14°29
T 5	17 16 0	19°14'45	13♂12	28°14	9° 3	12°59	29°31	15°31	12°48	2°25	13°29	8°42	8°13	22° 9	14°32
W 6	17 19 56	20°11'56	29°40	29°40	8°31	13°41	29°45	15°27	12°51	2°24	13°27	8°42	8°10	22°16	14°35
T 7	17 23 53	21° 9'08	12II19	1II 9	8° 1	14°24	29°59	15°22	12°54	2°23	13°26	8°R42	8° 7	22°23	14°38
F 8	17 27 49	22° 6'19	26°39	2°42	7°32	15° 6	0II12	15°18	12°57	2°22	13°24	8°42	8° 3	22°30	14°42
S 9	17 31 46	23° 3'30	10♂41	4°18	7° 6	15°49	0°25	15°14	13° 0	2°21	13°22	8°41	8° 0	22°36	14°46
S 10	17 35 42	24° 0'41	24°24	5°58	6°41	16°31	0°39	15° 9	13° 3	2°20	13°21	8°39	7°57	22°43	14°49
M11	17 39 39	24°57'52	7II44	7°40	6°19	17°14	0°52	15° 5	13° 6	2°19	13°19	8°37	7°54	22°50	14°53
T 12	17 43 36	25°55'03	20°42	9°26	5°59	17°56	1° 5	15° 1	13° 9	2°17	13°18	8°35	7°51	22°56	14°57
W13	17 47 32	26°52'13	3II19	11°15	5°41	18°38	1°19	14°56	13°11	2°16	13°16	8°33	7°48	23° 3	15° 1
T 14	17 51 29	27°49'23	15°38	13° 7	5°25	19°20	1°32	14°52	13°14	2°15	13°15	8°31	7°44	23°10	15° 5
F 15	17 55 25	28°46'33	27°44	15° 1	5°12	20° 2	1°45	14°48	13°17	2°14	13°13	8°D31	7°41	23°16	15° 9
S 16	17 59 22	29°43'42	9♂40	16°58	5° 1	20°44	1°58	14°44	13°19	2°12	13°12	8°31	7°38	23°23	15°14
S 17	18 3 18	0♂40'52	21°31	18°57	4°52	21°26	2°11	14°40	13°22	2°11	13°10	8°32	7°35	23°30	15°18
M18	18 7 15	1°38'01	3II23	20°59	4°46	22° 8	2°24	14°35	13°25	2°10	13° 9	8°34	7°32	23°36	15°23
T 19	18 11 11	2°35'10	15°19	23° 2	4°43	22°50	2°37	14°31	13°27	2° 8	13° 7	8°35	7°28	23°43	15°27
W20	18 15 8	3°32'20	27°23	25° 7	4°D41	23°32	2°50	14°27	13°30	2° 7	13° 6	8°37	7°25	23°50	15°32
T 21	18 19 5	4°29'29	9♂39	27°14	4°42	24°13	3° 3	14°23	13°32	2° 5	13° 5	8°R37	7°22	23°56	15°37
F 22	18 23 1	5°26'39	22° 9	29°21	4°45	24°55	3°16	14°19	13°35	2° 4	13° 3	8°36	7°19	24° 3	15°41
S 23	18 26 58	6°23'49	4♂55	1♂29	4°51	25°36	3°29	14°15	13°37	2° 3	13° 2	8°34	7°16	24°10	15°46
S 24	18 30 54	7°21'00	17°57	3°38	4°58	26°18	3°42	14°11	13°39	2° 1	13° 0	8°31	7°13	24°17	15°51
M25	18 34 51	8°18'10	1♂15	5°47	5° 8	26°59	3°54	14° 8	13°42	2° 0	12°59	8°27	7° 9	24°23	15°57
T 26	18 38 47	9°15'22	14°47	7°56	5°20	27°41	4° 7	14° 4	13°44	1°58	12°58	8°22	7° 6	24°30	16° 2
W27	18 42 44	10°12'34	28°32	10° 4	5°34	28°22	4°19	14° 0	13°46	1°57	12°56	8°18	7° 3	24°37	16° 7
T 28	18 46 40	11° 9'46	12♂26	12°12	5°50	29° 3	4°32	13°56	13°49	1°55	12°55	8°14	7° 0	24°43	16°12
F 29	18 50 37	12° 6'59	26°29	14°19	6° 8	29°44	4°44	13°53	13°51	1°54	12°54	8°12	6°57	24°50	16°18
S 30	18 54 34	13♂ 4'14	10V37	16♂25	6II27	0II25	4II57	13♂49	13♂53	1♂52	12♂52	8°D11	6II54	24♂57	16II23

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SWISS EPHEMERIS for the year 1016

JULY 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	18 58 30	14 [☾] 1'29	24 [♃] 48	18 [♁] 29	6 [♂] 49	1 [♂] 6	5 [♂] 9	13 [♂] R46	13 [♂] 55	1 [♂] R51	12 [♂] R51	8 [♂] 11	6 [♂] 50	25 [♂] 3	16 [♂] 29								
M 2	19 2 27	14 [♁] 58'45	9 [♂] 2	20 [♂] 33	7 [♂] 12	1 [♂] 47	5 [♂] 21	13 [♂] 42	13 [♂] 57	1 [♂] 49	12 [♂] 50	8 [♂] 12	6 [♂] 47	25 [♂] 10	16 [♂] 35								
T 3	19 6 23	15 [♂] 56'02	23 [♂] 15	22 [♂] 35	7 [♂] 37	2 [♂] 28	5 [♂] 33	13 [♂] 39	13 [♂] 59	1 [♂] 48	12 [♂] 48	8 [♂] 14	6 [♂] 44	25 [♂] 17	16 [♂] 40								
W 4	19 10 20	16 [♂] 53'20	7 [♂] 25	24 [♂] 36	8 [♂] 3	3 [♂] 9	5 [♂] 46	13 [♂] 35	14 [♂] 1	1 [♂] 46	12 [♂] 47	8 [♂] R14	6 [♂] 41	25 [♂] 23	16 [♂] 46								
T 5	19 14 16	17 [♂] 50'39	21 [♂] 30	26 [♂] 35	8 [♂] 31	3 [♂] 50	5 [♂] 58	13 [♂] 32	14 [♂] 3	1 [♂] 45	12 [♂] 46	8 [♂] 14	6 [♂] 38	25 [♂] 30	16 [♂] 52								
F 6	19 18 13	18 [♂] 47'58	5 [♂] 26	28 [♂] 33	9 [♂] 1	4 [♂] 30	6 [♂] 10	13 [♂] 29	14 [♂] 5	1 [♂] 43	12 [♂] 45	8 [♂] 11	6 [♂] 34	25 [♂] 37	16 [♂] 58								
S 7	19 22 9	19 [♂] 45'19	19 [♂] 10	0 [♂] 29	9 [♂] 32	5 [♂] 11	6 [♂] 21	13 [♂] 26	14 [♂] 7	1 [♂] 41	12 [♂] 44	8 [♂] 7	6 [♂] 31	25 [♂] 43	17 [♂] 4								
S 8	19 26 6	20 [♂] 42'40	2 [♂] 39	2 [♂] 23	10 [♂] 4	5 [♂] 51	6 [♂] 33	13 [♂] 23	14 [♂] 9	1 [♂] 40	12 [♂] 42	8 [♂] 0	6 [♂] 28	25 [♂] 50	17 [♂] 10								
M 9	19 30 3	21 [♂] 40'03	15 [♂] 50	4 [♂] 16	10 [♂] 38	6 [♂] 32	6 [♂] 45	13 [♂] 20	14 [♂] 11	1 [♂] 38	12 [♂] 41	7 [♂] 53	6 [♂] 25	25 [♂] 57	17 [♂] 16								
T 10	19 33 59	22 [♂] 37'25	28 [♂] 43	6 [♂] 7	11 [♂] 13	7 [♂] 12	6 [♂] 57	13 [♂] 17	14 [♂] 12	1 [♂] 37	12 [♂] 40	7 [♂] 46	6 [♂] 22	26 [♂] 3	17 [♂] 23								
W11	19 37 56	23 [♂] 34'49	11 [♂] 18	7 [♂] 56	11 [♂] 49	7 [♂] 52	7 [♂] 8	13 [♂] 14	14 [♂] 14	1 [♂] 35	12 [♂] 39	7 [♂] 39	6 [♂] 19	26 [♂] 10	17 [♂] 29								
T 12	19 41 52	24 [♂] 32'13	23 [♂] 36	9 [♂] 44	12 [♂] 26	8 [♂] 33	7 [♂] 20	13 [♂] 11	14 [♂] 16	1 [♂] 33	12 [♂] 38	7 [♂] 33	6 [♂] 15	26 [♂] 17	17 [♂] 36								
F 13	19 45 49	25 [♂] 29'38	5 [♂] 41	11 [♂] 30	13 [♂] 5	9 [♂] 13	7 [♂] 31	13 [♂] 8	14 [♂] 17	1 [♂] 32	12 [♂] 37	7 [♂] 29	6 [♂] 12	26 [♂] 23	17 [♂] 42								
S 14	19 49 45	26 [♂] 27'04	17 [♂] 37	13 [♂] 15	13 [♂] 44	9 [♂] 53	7 [♂] 43	13 [♂] 6	14 [♂] 19	1 [♂] 30	12 [♂] 36	7 [♂] 27	6 [♂] 9	26 [♂] 30	17 [♂] 49								
S 15	19 53 42	27 [♂] 24'30	29 [♂] 27	14 [♂] 58	14 [♂] 25	10 [♂] 33	7 [♂] 54	13 [♂] 3	14 [♂] 21	1 [♂] 29	12 [♂] 35	7 [♂] D26	6 [♂] 6	26 [♂] 37	17 [♂] 55								
M16	19 57 38	28 [♂] 21'57	11 [♂] 19	16 [♂] 39	15 [♂] 7	11 [♂] 13	8 [♂] 5	13 [♂] 1	14 [♂] 22	1 [♂] 27	12 [♂] 34	7 [♂] 27	6 [♂] 3	26 [♂] 43	18 [♂] 2								
T 17	20 1 35	29 [♂] 19'25	23 [♂] 15	18 [♂] 19	15 [♂] 49	11 [♂] 52	8 [♂] 16	12 [♂] 58	14 [♂] 24	1 [♂] 25	12 [♂] 33	7 [♂] 28	6 [♂] 0	26 [♂] 50	18 [♂] 9								
W18	20 5 32	0 [♂] 16'54	5 [♂] 23	19 [♂] 57	16 [♂] 33	12 [♂] 32	8 [♂] 27	12 [♂] 56	14 [♂] 25	1 [♂] 24	12 [♂] 32	7 [♂] R29	5 [♂] 56	26 [♂] 57	18 [♂] 15								
T 19	20 9 28	1 [♂] 14'24	17 [♂] 45	21 [♂] 33	17 [♂] 17	13 [♂] 12	8 [♂] 38	12 [♂] 54	14 [♂] 26	1 [♂] 22	12 [♂] 31	7 [♂] 28	5 [♂] 53	27 [♂] 3	18 [♂] 22								
F 20	20 13 25	2 [♂] 11'55	0 [♂] 25	23 [♂] 8	18 [♂] 3	13 [♂] 51	8 [♂] 49	12 [♂] 52	14 [♂] 28	1 [♂] 20	12 [♂] 30	7 [♂] 26	5 [♂] 50	27 [♂] 10	18 [♂] 29								
S 21	20 17 21	3 [♂] 9'27	13 [♂] 26	24 [♂] 41	18 [♂] 49	14 [♂] 31	9 [♂] 0	12 [♂] 50	14 [♂] 29	1 [♂] 19	12 [♂] 30	7 [♂] 21	5 [♂] 47	27 [♂] 17	18 [♂] 36								
S 22	20 21 18	4 [♂] 7'00	26 [♂] 49	26 [♂] 13	19 [♂] 36	15 [♂] 10	9 [♂] 10	12 [♂] 48	14 [♂] 30	1 [♂] 17	12 [♂] 29	7 [♂] 14	5 [♂] 44	27 [♂] 24	18 [♂] 43								
M23	20 25 14	5 [♂] 4'34	10 [♂] 31	27 [♂] 43	20 [♂] 24	15 [♂] 50	9 [♂] 21	12 [♂] 46	14 [♂] 31	1 [♂] 16	12 [♂] 28	7 [♂] 6	5 [♂] 40	27 [♂] 30	18 [♂] 50								
T 24	20 29 11	6 [♂] 2'10	24 [♂] 30	29 [♂] 11	21 [♂] 13	16 [♂] 29	9 [♂] 31	12 [♂] 44	14 [♂] 32	1 [♂] 14	12 [♂] 27	6 [♂] 57	5 [♂] 37	27 [♂] 37	18 [♂] 58								
W25	20 33 7	6 [♂] 59'47	8 [♂] 41	0 [♂] 38	22 [♂] 2	17 [♂] 8	9 [♂] 41	12 [♂] 43	14 [♂] 33	1 [♂] 12	12 [♂] 26	6 [♂] 47	5 [♂] 34	27 [♂] 44	19 [♂] 5								
T 26	20 37 4	7 [♂] 57'25	2 [♂] 4	22 [♂] 52	17 [♂] 47	17 [♂] 47	9 [♂] 52	12 [♂] 41	14 [♂] 34	1 [♂] 11	12 [♂] 26	6 [♂] 39	5 [♂] 31	27 [♂] 50	19 [♂] 12								
F 27	20 41 1	8 [♂] 55'05	7 [♂] 19	3 [♂] 27	23 [♂] 43	18 [♂] 27	10 [♂] 2	12 [♂] 39	14 [♂] 35	1 [♂] 9	12 [♂] 25	6 [♂] 34	5 [♂] 28	27 [♂] 57	19 [♂] 19								
S 28	20 44 57	9 [♂] 52'46	21 [♂] 37	4 [♂] 49	24 [♂] 35	19 [♂] 6	10 [♂] 12	12 [♂] 38	14 [♂] 36	1 [♂] 7	12 [♂] 24	6 [♂] 30	5 [♂] 25	28 [♂] 4	19 [♂] 27								
S 29	20 48 54	10 [♂] 50'29	5 [♂] 50	6 [♂] 9	25 [♂] 27	19 [♂] 44	10 [♂] 22	12 [♂] 37	14 [♂] 37	1 [♂] 6	12 [♂] 24	6 [♂] D29	5 [♂] 21	28 [♂] 10	19 [♂] 34								
M30	20 52 50	11 [♂] 48'14	19 [♂] 56	7 [♂] 27	26 [♂] 19	20 [♂] 23	10 [♂] 32	12 [♂] 35	14 [♂] 38	1 [♂] 4	12 [♂] 23	6 [♂] 29	5 [♂] 18	28 [♂] 17	19 [♂] 42								
T 31	20 56 47	12 [♂] 46'01	3 [♂] 53	8 [♂] 44	27 [♂] 13	21 [♂] 2	10 [♂] 41	12 [♂] 34	14 [♂] 39	1 [♂] 3	12 [♂] 23	6 [♂] R29	5 [♂] 15	28 [♂] 24	19 [♂] 49								

Delta T = 24m56s Julian Calendar 1 July 1016 == Greg. Calendar 7 July 1016

AUGUST 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
W 1	21 0 43	13 [♂] 43'49	17 [♂] 43	9 [♂] 58	28 [♂] II 7	21 [♂] II 41	10 [♂] II 51	12 [♂] R33	14 [♂] 39	1 [♂] R 1	12 [♂] R22	6 [♂] R29	5 [♂] II 12	28 [♂] 30	19 [♂] 57								
T 2	21 4 40	14 [♂] 41'39	1 [♂] 24	11 [♂] 11	29 [♂] 1	22 [♂] 19	11 [♂] 0	12 [♂] 32	14 [♂] 40	0 [♂] 59	12 [♂] 21	6 [♂] II 26	5 [♂] 9	28 [♂] 37	20 [♂] 5								
F 3	21 8 36	15 [♂] 39'31	14 [♂] 55	12 [♂] 22	29 [♂] 56	22 [♂] 58	11 [♂] 10	12 [♂] 31	14 [♂] 41	0 [♂] 58	12 [♂] 21	6 [♂] 22	5 [♂] 6	28 [♂] 44	20 [♂] 12								
S 4	21 12 33	16 [♂] 37'25	28 [♂] 16	13 [♂] 30	0 [♂] 52	23 [♂] 36	11 [♂] 19	12 [♂] 31	14 [♂] 41	0 [♂] 56	12 [♂] 21	6 [♂] 14	5 [♂] 2	28 [♂] 50	20 [♂] 20								
S 5	21 16 30	17 [♂] 35'20	11 [♂] 24	14 [♂] 37	1 [♂] 48	24 [♂] 15	11 [♂] 28	12 [♂] 30	14 [♂] 42	0 [♂] 55	12 [♂] 20	6 [♂] 4	4 [♂] 59	28 [♂] 57	20 [♂] 28								
M 6	21 20 26	18 [♂] 33'17	24 [♂] 19	15 [♂] 41	2 [♂] 45	24 [♂] 53	11 [♂] 37	12 [♂] 29	14 [♂] 42	0 [♂] 53	12 [♂] 20	5 [♂] 52	4 [♂] 56	29 [♂] 4	20 [♂] 36								
T 7	21 24 23	19 [♂] 31'16	7 [♂] 0	16 [♂] 43	3 [♂] 42	25 [♂] 31	11 [♂] 46	12 [♂] 29	14 [♂] 43	0 [♂] 52	12 [♂] 19	5 [♂] 39	4 [♂] 53	29 [♂] 10	20 [♂] 44								
W 8	21 28 19	20 [♂] 29'15	19 [♂] 27	17 [♂] 42	4 [♂] 39	26 [♂] 9	11 [♂] 55	12 [♂] 29	14 [♂] 43	0 [♂] 50	12 [♂] 19	5 [♂] 27	4 [♂] 50	29 [♂] 17	20 [♂] 51								
T 9	21 32 16	21 [♂] 27'17	1 [♂] 40	18 [♂] 38	5 [♂] 37	26 [♂] 47	12 [♂] 3	12 [♂] 28	14 [♂] 43	0 [♂] 49	12 [♂] 19	5 [♂] 17	4 [♂] 46	29 [♂] 24	20 [♂] 59								
F 10	21 36 12	22 [♂] 25'20	13 [♂] 41	19 [♂] 32	6 [♂] 36	27 [♂] 25	12 [♂] 12	12 [♂] 28	14 [♂] 44	0 [♂] 47	12 [♂] 18	5 [♂] 9	4 [♂] 43	29 [♂] 30	21 [♂] 7								
S 11	21 40 9	23 [♂] 23'24	25 [♂] 35	20 [♂] 22	7 [♂] 34	28 [♂] 3	12 [♂] 20	12 [♂] D28	14 [♂] 44	0 [♂] 46	12 [♂] 18	5 [♂] 3	4 [♂] 40	29 [♂] 37	21 [♂] 15								
S 12	21 44 5	24 [♂] 21'30	7 [♂] 23	21 [♂] 10	8 [♂] 34	28 [♂] 41	12 [♂] 28	12 [♂] 28	14 [♂] 44	0 [♂] 44	12 [♂] 18	5 [♂] 0	4 [♂] 37	29 [♂] 44	21 [♂] 23								
M13	21 48 2	25 [♂] 19'37	19 [♂] 13	21 [♂] 53	9 [♂] 33	29 [♂] 18	12 [♂] 36	12 [♂] 28	14 [♂] 44	0 [♂] 43	12 [♂] 18	4 [♂] 59	4 [♂] 34	29 [♂] 50	21 [♂] 32								
T 14	21 51 59	26 [♂] 17'46	1 [♂] 8	22 [♂] 34	10 [♂] 33	29 [♂] 56	12 [♂] 44	12 [♂] 28	14 [♂] 44	0 [♂] 41	1												

SWISS EPHEMERIS for the year 1016

SEPTEMBER 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	23 2 57	13 ^h 49'35	7 ^h Ω53	19 ^h R21	29 ^h Ω29	10 ^h Ω55	14 ^h II43	12 ^h ♂49	14 ^h R37	0 ^h R19	12 ^h ♂20	3 ^h R24	3 ^h II33	1 ^h ♂57	24 ^h η11
S 2	23 6 53	14 ^h 48'21	20 ^h 41	18 ^h η17	0 ^h Ω35	11 ^h 31	14 ^h 48	12 ^h 51	14 ^h ♂36	0 ^h ♂18	12 ^h 21	3 ^h II13	3 ^h 30	2 ^h 4	24 ^h 19
M 3	23 10 50	15 ^h 47'10	3 ^h η17	17 ^h 12	1 ^h 41	12 ^h 7	14 ^h 53	12 ^h 53	14 ^h 35	0 ^h 17	12 ^h 21	3 ^h 0	3 ^h 27	2 ^h 10	24 ^h 28
T 4	23 14 46	16 ^h 46'00	15 ^h 43	16 ^h 6	2 ^h 47	12 ^h 42	14 ^h 57	12 ^h 55	14 ^h 34	0 ^h 15	12 ^h 22	2 ^h 47	3 ^h 24	2 ^h 17	24 ^h 37
W 5	23 18 43	17 ^h 44'53	27 ^h 58	15 ^h 2	3 ^h 54	13 ^h 17	15 ^h 2	12 ^h 57	14 ^h 33	0 ^h 15	12 ^h 22	2 ^h 34	3 ^h 21	2 ^h 24	24 ^h 45
T 6	23 22 39	18 ^h 43'47	10 ^h Ω 3	14 ^h 1	5 ^h 0	13 ^h 53	15 ^h 6	13 ^h 0	14 ^h 32	0 ^h 14	12 ^h 23	2 ^h 22	3 ^h 18	2 ^h 30	24 ^h 54
F 7	23 26 36	19 ^h 42'44	21 ^h 59	13 ^h 5	6 ^h 7	14 ^h 28	15 ^h 10	13 ^h 2	14 ^h 31	0 ^h 13	12 ^h 23	2 ^h 13	3 ^h 14	2 ^h 37	25 ^h 2
S 8	23 30 32	20 ^h 41'42	3 ^h η49	12 ^h 16	7 ^h 14	15 ^h 3	15 ^h 14	13 ^h 5	14 ^h 30	0 ^h 12	12 ^h 24	2 ^h 7	3 ^h 11	2 ^h 44	25 ^h 11
S 9	23 34 29	21 ^h 40'42	15 ^h 35	11 ^h 34	8 ^h 22	15 ^h 38	15 ^h 18	13 ^h 7	14 ^h 29	0 ^h 11	12 ^h 25	2 ^h 3	3 ^h 8	2 ^h 50	25 ^h 20
M10	23 38 26	22 ^h 39'45	27 ^h 23	11 ^h 1	9 ^h 29	16 ^h 12	15 ^h 22	13 ^h 10	14 ^h 27	0 ^h 10	12 ^h 25	2 ^h D 2	3 ^h 5	2 ^h 57	25 ^h 28
T 11	23 42 22	23 ^h 38'49	9 ^h ♂16	10 ^h 38	10 ^h 37	16 ^h 47	15 ^h 25	13 ^h 13	14 ^h 26	0 ^h 9	12 ^h 26	2 ^h 2	3 ^h 2	3 ^h 4	25 ^h 37
W12	23 46 19	24 ^h 37'55	21 ^h 20	10 ^h 24	11 ^h 45	17 ^h 21	15 ^h 29	13 ^h 16	14 ^h 25	0 ^h 8	12 ^h 27	2 ^h R 3	2 ^h 58	3 ^h 10	25 ^h 46
T 13	23 50 15	25 ^h 37'02	3 ^h Ω40	10 ^h D22	12 ^h 53	17 ^h 56	15 ^h 32	13 ^h 19	14 ^h 23	0 ^h 8	12 ^h 28	2 ^h 2	2 ^h 55	3 ^h 17	25 ^h 54
F 14	23 54 12	26 ^h 36'12	16 ^h 22	10 ^h 30	14 ^h 1	18 ^h 30	15 ^h 35	13 ^h 22	14 ^h 22	0 ^h 7	12 ^h 29	2 ^h 0	2 ^h 52	3 ^h 24	26 ^h 3
S 15	23 58 8	27 ^h 35'23	29 ^h 29	10 ^h 48	15 ^h 9	19 ^h 4	15 ^h 37	13 ^h 25	14 ^h 21	0 ^h 6	12 ^h 29	1 ^h 56	2 ^h 49	3 ^h 30	26 ^h 12
S 16	0 2 5	28 ^h 34'37	13 ^h ≈ 5	11 ^h 16	16 ^h 18	19 ^h 38	15 ^h 40	13 ^h 29	14 ^h 19	0 ^h 6	12 ^h 30	1 ^h 50	2 ^h 46	3 ^h 37	26 ^h 20
M17	0 6 1	29 ^h 33'52	27 ^h 11	11 ^h 53	17 ^h 26	20 ^h 12	15 ^h 42	13 ^h 32	14 ^h 17	0 ^h 5	12 ^h 31	1 ^h 42	2 ^h 43	3 ^h 44	26 ^h 29
T 18	0 9 58	0 ^h Ω33'09	11 ^h ♂42	12 ^h 40	18 ^h 35	20 ^h 46	15 ^h 44	13 ^h 36	14 ^h 16	0 ^h 4	12 ^h 32	1 ^h 32	2 ^h 39	3 ^h 50	26 ^h 38
W19	0 13 55	1 ^h 32'28	26 ^h 34	13 ^h 34	19 ^h 44	21 ^h 19	15 ^h 46	13 ^h 39	14 ^h 14	0 ^h 4	12 ^h 33	1 ^h 23	2 ^h 36	3 ^h 57	26 ^h 46
T 20	0 17 51	2 ^h 31'49	11 ^h Υ39	14 ^h 36	20 ^h 54	21 ^h 53	15 ^h 48	13 ^h 43	14 ^h 13	0 ^h 3	12 ^h 34	1 ^h 14	2 ^h 33	4 ^h 4	26 ^h 55
F 21	0 21 48	3 ^h 31'12	26 ^h 45	15 ^h 44	22 ^h 3	22 ^h 26	15 ^h 50	13 ^h 46	14 ^h 11	0 ^h 3	12 ^h 35	1 ^h 8	2 ^h 30	4 ^h 10	27 ^h 4
S 22	0 25 44	4 ^h 30'37	11 ^h Ω44	16 ^h 58	23 ^h 13	22 ^h 59	15 ^h 51	13 ^h 50	14 ^h 9	0 ^h 2	12 ^h 36	1 ^h 4	2 ^h 27	4 ^h 17	27 ^h 12
S 23	0 29 41	5 ^h 30'05	26 ^h 28	18 ^h 17	24 ^h 22	23 ^h 32	15 ^h 52	13 ^h 54	14 ^h 7	0 ^h 2	12 ^h 37	1 ^h D 3	2 ^h 23	4 ^h 24	27 ^h 21
M24	0 33 37	6 ^h 29'35	10 ^h II52	19 ^h 41	25 ^h 32	24 ^h 5	15 ^h 53	13 ^h 58	14 ^h 6	0 ^h 1	12 ^h 38	1 ^h 3	2 ^h 20	4 ^h 30	27 ^h 30
T 25	0 37 34	7 ^h 29'07	24 ^h 55	21 ^h 8	26 ^h 42	24 ^h 38	15 ^h 54	14 ^h 2	14 ^h 4	0 ^h 1	12 ^h 40	1 ^h 4	2 ^h 17	4 ^h 37	27 ^h 38
W26	0 41 30	8 ^h 28'42	8 ^h Ω35	22 ^h 38	27 ^h 52	25 ^h 11	15 ^h 54	14 ^h 6	14 ^h 2	0 ^h 1	12 ^h 41	1 ^h R 4	2 ^h 14	4 ^h 44	27 ^h 47
T 27	0 45 27	9 ^h 28'19	21 ^h 54	24 ^h 11	29 ^h 3	25 ^h 43	15 ^h 55	14 ^h 10	14 ^h 0	0 ^h 0	12 ^h 42	1 ^h 4	2 ^h 11	4 ^h 50	27 ^h 55
F 28	0 49 24	10 ^h 27'59	4 ^h Ω56	25 ^h 46	0 ^h η13	26 ^h 15	15 ^h R55	14 ^h 15	13 ^h 58	0 ^h 0	12 ^h 43	1 ^h 1	2 ^h 8	4 ^h 57	28 ^h 4
S 29	0 53 20	11 ^h 27'41	17 ^h 41	27 ^h 23	1 ^h 24	26 ^h 48	15 ^h 55	14 ^h 19	13 ^h 56	0 ^h 0	12 ^h 45	0 ^h 56	2 ^h 4	5 ^h 4	28 ^h 13
S 30	0 57 17	12 ^h Ω27'25	0 ^h η13	29 ^h η 1	2 ^h η34	27 ^h Ω19	15 ^h II55	14 ^h ♂23	13 ^h ♂54	29 ^h ♂59	12 ^h ♂46	0 ^h II49	2 ^h II 1	5 ^h η10	28 ^h η21

Delta T = 24m55s Julian Calendar 1 Sept. 1016 == Greg. Calendar 7 Sept. 1016

OCTOBER 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	1 1 13	13 ^h Ω27'11	12 ^h η34	0 ^h Ω40	3 ^h η45	27 ^h Ω51	15 ^h R54	14 ^h ♂28	13 ^h R52	29 ^h R59	12 ^h ♂47	0 ^h R40	1 ^h II58	5 ^h η17	28 ^h η30
T 2	1 5 10	14 ^h 26'59	24 ^h 46	2 ^h 20	4 ^h 56	28 ^h 23	15 ^h II54	14 ^h 33	13 ^h ♂50	29 ^h ♂59	12 ^h 48	0 ^h II31	1 ^h 55	5 ^h 24	28 ^h 38
W 3	1 9 6	15 ^h 26'50	6 ^h Ω49	4 ^h 1	6 ^h 7	28 ^h 54	15 ^h 53	14 ^h 37	13 ^h 48	29 ^h 59	12 ^h 50	0 ^h 22	1 ^h 52	5 ^h 30	28 ^h 47
T 4	1 13 3	16 ^h 26'42	18 ^h 45	5 ^h 41	7 ^h 19	29 ^h 26	15 ^h 52	14 ^h 42	13 ^h 46	29 ^h 59	12 ^h 51	0 ^h 14	1 ^h 49	5 ^h 37	28 ^h 55
F 5	1 16 59	17 ^h 26'37	0 ^h η36	7 ^h 22	8 ^h 30	29 ^h 57	15 ^h 51	14 ^h 47	13 ^h 44	29 ^h 59	12 ^h 53	0 ^h 8	1 ^h 45	5 ^h 44	29 ^h 3
S 6	1 20 56	18 ^h 26'33	12 ^h 24	9 ^h 4	9 ^h 41	0 ^h Ω28	15 ^h 49	14 ^h 51	13 ^h 41	29 ^h D59	12 ^h 54	0 ^h 5	1 ^h 42	5 ^h 50	29 ^h 12
S 7	1 24 52	19 ^h 26'32	24 ^h 10	10 ^h 45	10 ^h 53	0 ^h 59	15 ^h 47	14 ^h 56	13 ^h 39	29 ^h 59	12 ^h 56	0 ^h 3	1 ^h 39	5 ^h 57	29 ^h 20
M 8	1 28 49	20 ^h 26'32	5 ^h ♂59	12 ^h 25	12 ^h 5	1 ^h 29	15 ^h 46	15 ^h 1	13 ^h 37	29 ^h 59	12 ^h 57	0 ^h D 3	1 ^h 36	6 ^h 4	29 ^h 29
T 9	1 32 46	21 ^h 26'34	17 ^h 53	14 ^h 6	13 ^h 16	1 ^h 59	15 ^h 44	15 ^h 6	13 ^h 35	29 ^h 59	12 ^h 59	0 ^h 4	1 ^h 33	6 ^h 10	29 ^h 37
W10	1 36 42	22 ^h 26'38	29 ^h 57	15 ^h 46	14 ^h 28	2 ^h 30	15 ^h 41	15 ^h 12	13 ^h 32	29 ^h 59	13 ^h 0	0 ^h 6	1 ^h 29	6 ^h 17	29 ^h 45
T 11	1 40 39	23 ^h 26'43	12 ^h Ω15	17 ^h 26	15 ^h 40	3 ^h 0	15 ^h 39	15 ^h 17	13 ^h 30	29 ^h 59	13 ^h 2	0 ^h 7	1 ^h 26	6 ^h 24	29 ^h 54
F 12	1 44 35	24 ^h 26'50	24 ^h 53	19 ^h 6	16 ^h 52	3 ^h 29	15 ^h 36	15 ^h 22	13 ^h 28	29 ^h 59	13 ^h 3	0 ^h R 8	1 ^h 23	6 ^h 30	0 ^h Ω 2
S 13	1 48 32	25 ^h 26'59	7 ^h ≈54	20 ^h 46	18 ^h 4	3 ^h 59	15 ^h 33	15 ^h 27	13 ^h 25	29 ^h 59	13 ^h 5	0 ^h 7	1 ^h 20	6 ^h 37	0 ^h 10
S 14	1 52 28	26 ^h 27'09	21 ^h 22	22 ^h 25	19 ^h 17	4 ^h 28	15 ^h 30	15 ^h 33	13 ^h 23	0 ^h ≈ 0	13 ^h 7	0 ^h 5	1 ^h 17	6 ^h 43	0 ^h 18
M15	1 56 25	27 ^h 27'21	5 ^h ♂20	24 ^h 3	20 ^h 29	4 ^h 58	15 ^h 27	15 ^h 38	13 ^h 21	0 ^h 0	13 ^h 8	0 ^h 1	1 ^h 14	6 ^h 50	0 ^h 26
T 16	2 0 21	28 ^h 27'34	19 ^h 45	25 ^h 41	21 ^h 41	5 ^h 27	15 ^h 24	15 ^h 44	13 ^h 18	0 ^h 0	13 ^h 10	29 ^h ♂57	1 ^h 10	6 ^h 57	0 ^h 34
W17	2 4 18	29 ^h 27'49	4 ^h Υ36	27 ^h 19	22 ^h 54	5 ^h 55	15 ^h 20	15 ^h 49	13 ^h 16	0 ^h 1	13 ^h 12	29 ^h 52	1 ^h 7	7 ^h 3	0 ^h 42
T 18	2 8 15	0 ^h η28'05	19 ^h 4												

SWISS EPHEMERIS for the year 1016

NOVEMBER 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	3 3 26	14♌35'11	27♋35	21♌7	11♋12	12♌38	14°R 5	17♌19	12°R39	0♌10	13♌40	29°R34	0♐20	8♌43	2♋38
F 2	3 7 23	15°35'55	9♌23	22°41	12°25	13° 2	13♌59	17°25	12♋36	0°11	13°42	29♋32	0°16	8°50	2°45
S 3	3 11 19	16°36'39	21°11	24°14	13°39	13°27	13°52	17°31	12°34	0°12	13°44	29°32	0°13	8°57	2°52
S 4	3 15 16	17°37'26	3♌1	25°47	14°53	13°51	13°45	17°38	12°31	0°13	13°46	29°D31	0°10	9° 3	3° 0
M 5	3 19 13	18°38'14	14°56	27°20	16° 7	14°15	13°39	17°44	12°29	0°14	13°48	29°32	0° 7	9°10	3° 7
T 6	3 23 9	19°39'02	26°57	28°52	17°21	14°38	13°32	17°51	12°26	0°15	13°50	29°33	0° 4	9°17	3°14
W 7	3 27 6	20°39'53	9♋8	0♌25	18°35	15° 1	13°25	17°57	12°24	0°16	13°52	29°34	0° 0	9°23	3°21
T 8	3 31 2	21°40'44	21°31	1°57	19°49	15°24	13°18	18° 4	12°21	0°17	13°54	29°35	29♋57	9°30	3°28
F 9	3 34 59	22°41'36	4♌10	3°29	21° 3	15°46	13°11	18°10	12°19	0°18	13°56	29°35	29°54	9°37	3°34
S 10	3 38 55	23°42'29	17° 8	5° 1	22°17	16° 8	13° 4	18°17	12°16	0°19	13°58	29°36	29°51	9°43	3°41
S 11	3 42 52	24°43'23	0♌28	6°33	23°31	16°30	12°56	18°24	12°14	0°20	14° 0	29°R36	29°48	9°50	3°48
M12	3 46 48	25°44'17	14°13	8° 5	24°45	16°51	12°49	18°30	12°11	0°21	14° 2	29°35	29°45	9°57	3°55
T 13	3 50 45	26°45'13	28°23	9°37	26° 0	17°12	12°41	18°37	12° 9	0°23	14° 5	29°35	29°41	10° 3	4° 1
W14	3 54 42	27°46'09	12♌56	11° 8	27°14	17°32	12°33	18°44	12° 7	0°24	14° 7	29°35	29°38	10°10	4° 8
T 15	3 58 38	28°47'06	27°49	12°39	28°28	17°52	12°26	18°51	12° 4	0°25	14° 9	29°35	29°35	10°16	4°14
F 16	4 2 35	29°48'04	12♋55	14°10	29°42	18°12	12°18	18°58	12° 2	0°26	14°11	29°D35	29°32	10°23	4°20
S 17	4 6 31	0♌49'02	28° 5	15°40	0♌57	18°32	12°10	19° 4	11°59	0°28	14°13	29°R35	29°29	10°30	4°27
S 18	4 10 28	1°50'02	13♌10	17°10	2°11	18°50	12° 2	19°11	11°57	0°29	14°15	29°35	29°26	10°36	4°33
M19	4 14 24	2°51'03	28° 1	18°40	3°26	19° 9	11°54	19°18	11°55	0°31	14°17	29°34	29°22	10°43	4°39
T 20	4 18 21	3°52'05	12♋31	20° 9	4°40	19°27	11°46	19°25	11°53	0°32	14°20	29°34	29°19	10°50	4°45
W21	4 22 17	4°53'08	26°35	21°37	5°55	19°45	11°38	19°32	11°50	0°33	14°22	29°33	29°16	10°56	4°51
T 22	4 26 14	5°54'11	10♌12	23° 5	7° 9	20° 2	11°30	19°39	11°48	0°35	14°24	29°33	29°13	11° 3	4°57
F 23	4 30 11	6°55'16	23°21	24°31	8°24	20°19	11°22	19°46	11°46	0°36	14°26	29°32	29°10	11°10	5° 3
S 24	4 34 7	7°56'22	6♌7	25°57	9°39	20°35	11°14	19°53	11°44	0°38	14°28	29°D32	29° 6	11°16	5° 8
S 25	4 38 4	8°57'28	18°32	27°21	10°53	20°51	11° 6	20° 0	11°41	0°39	14°31	29°32	29° 3	11°23	5°14
M26	4 42 0	9°58'36	0♌40	28°43	12° 8	21° 6	10°58	20° 7	11°39	0°41	14°33	29°33	29° 0	11°30	5°19
T 27	4 45 57	10°59'44	12°38	0♋3	13°23	21°21	10°49	20°14	11°37	0°43	14°35	29°34	28°57	11°36	5°25
W28	4 49 53	12° 0'54	24°28	1°22	14°37	21°35	10°41	20°21	11°35	0°44	14°37	29°35	28°54	11°43	5°30
T 29	4 53 50	13° 2'03	6♌15	2°37	15°52	21°49	10°33	20°28	11°33	0°46	14°40	29°36	28°51	11°50	5°36
F 30	4 57 46	14♌3'14	18♌2	3♋50	17♌7	22♌2	10♌25	20♌35	11♌31	0♌48	14♌42	29♌37	28♌47	11♌56	5♌41

Delta T = 24m54s Julian Calendar 1 Nov. 1016 == Greg. Calendar 7 Nov. 1016

DECEMBER 1016 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
S 1	5 1 43	15♌4'25	29♌53	4♋59	18♌22	22♌14	10°R17	20♌42	11°R29	0♌49	14♌44	29°R38	28♋44	12♌3	5♋46
S 2	5 5 40	16° 5'37	11♌50	6° 3	19°37	22°26	10♌9	20°49	11♋27	0°51	14°46	29♋37	28°41	12°10	5°51
M 3	5 9 36	17° 6'49	23°55	7° 3	20°52	22°38	10° 1	20°56	11°25	0°53	14°48	29°36	28°38	12°16	5°56
T 4	5 13 33	18° 8'02	6♋10	7°58	22° 6	22°49	9°53	21° 3	11°23	0°55	14°51	29°34	28°35	12°23	6° 1
W 5	5 17 29	19° 9'15	18°35	8°46	23°21	22°59	9°45	21°10	11°22	0°56	14°53	29°30	28°32	12°30	6° 5
T 6	5 21 26	20°10'27	1♌13	9°26	24°36	23° 9	9°37	21°17	11°20	0°58	14°55	29°27	28°28	12°36	6°10
F 7	5 25 22	21°11'40	14° 4	9°59	25°51	23°18	9°29	21°24	11°18	1° 0	14°57	29°24	28°25	12°43	6°14
S 8	5 29 19	22°12'53	27° 9	10°23	27° 6	23°26	9°21	21°31	11°16	1° 2	14°59	29°21	28°22	12°49	6°19
S 9	5 33 16	23°14'06	10♌30	10°36	28°21	23°34	9°13	21°39	11°15	1° 4	15° 2	29°19	28°19	12°56	6°23
M10	5 37 12	24°15'18	24° 8	10°R39	29°36	23°41	9° 6	21°46	11°13	1° 6	15° 4	29°D19	28°16	13° 3	6°27
T 11	5 41 9	25°16'30	8♌4	10°31	0♌51	23°47	8°58	21°53	11°11	1° 8	15° 6	29°19	28°12	13° 9	6°31
W12	5 45 5	26°17'42	22°17	10°11	2° 6	23°53	8°51	22° 0	11°10	1°10	15° 8	29°21	28° 9	13°16	6°35
T 13	5 49 2	27°18'54	6♋47	9°39	3°21	23°58	8°43	22° 7	11° 8	1°12	15°10	29°22	28° 6	13°23	6°39
F 14	5 52 58	28°20'05	21°28	8°55	4°36	24° 3	8°36	22°14	11° 7	1°14	15°13	29°23	28° 3	13°29	6°43
S 15	5 56 55	29°21'16	6♌17	8° 1	5°51	24° 7	8°29	22°21	11° 5	1°16	15°15	29°R23	28° 0	13°36	6°47
S 16	6 0 51	0♋22'27	21° 7	6°57	7° 6	24°10	8°22	22°28	11° 4	1°18	15°17	29°22	27°57	13°43	6°50
M17	6 4 48	1°23'38	5♋49	5°46	8°21	24°12	8°15	22°35	11° 2	1°20	15°19	29°19	27°53	13°49	6°54
T 18	6 8 45	2°24'48	20°17	4°29	9°36	24°14	8° 8	22°42	11° 1	1°22	15°21	29°14	27°50	13°56	6°57
W19	6 12 41	3°25'58	4♌25	3° 9	10°51	24°14	8° 1	22°49	11° 0	1°24	15°23	29° 8	27°47	14° 3	7° 0
T 20	6 16 38	4°27'08	18° 8	1°49	12° 6	24°R14	7°55	22°56	10°59	1°26	15°26	29° 3	27°44	14° 9	7° 4
F 21	6 20 34	5°28'18	1♌25	0°31	13°21	24°14	7°48	23° 3	10°57	1°28	15°28	28°58	27°41	14°16	7° 7
S 22	6 24 31	6°29'28	14°16	29♌18	14°36	24°12	7°42	23°10	10°56	1°30	15°30	28°54	27°38	14°23	7° 9
S 23	6 28 27	7°30'38	26°45	28°10	15°51	24°10	7°36	23°17	10°55	1°32	15°32	28°51	27°34	14°29	7°12
M24	6 32 24	8°31'47	8♋57	27°11	17° 6	24° 7	7°30	23°24	10°54	1°34	15°34	28°D50	27°31	14°36	7°15
T 25	6 36 20	9°32'56	20°54	26°20	18°21	24° 3	7°24	23°31	10°53	1°36	15°36	28°51	27°28	14°43	7°18
W26	6 40 17	10°34'05	2♌44	25°39	19°36	23°59	7°18	23°38	10°52	1°38	15°38	28°53	27°25	14°49	7°20
T 27	6 44 14	11°35'14	14°31	25° 8	20°51	23°53	7°12	23°45	10°51	1°41	15°40	28°54	27°22	14°56	7°22
F 28	6 48 10	12°36'23	26°19	24°46	22° 6	23°47	7° 7	23°51	10°51	1°43	15°42	28°R55	27°18	15° 2	7°25
S 29	6 52 7	13°37'31	8♌14	24°33	23°21	23°40	7° 2	23°58	10°50	1°45	15°44	28°55	27°15	15° 9	7°27
S 30	6 56 3	14°38'38	20°19	24°D29	24°36	23°32	6°57	24° 5	10°49	1°47	15°46	28°52	27°12	15°16	7°29
M31	7 0 0	15♋39'45	2♋36	24♌33	25♌51	23♌23	6♌25	24♌12	10♌48	1♌49	15♌48	28♌47	27♌9	15♌22	7♌31

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