

SWISS EPHEMERIS for the year 1909

JANUARY 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	6 40 1	9°57'27	28°37	14°33	11°22	23°56	14°R31	3°Y56	16°35	15°R53	24°R32	25°II54	25°II 6	10°M31	20°23
S 2	6 43 57	10°58'36	16°11	16°11	12°37	24°35	14°M31	3°59	16°39	15°55	24°II31	25°55	25° 2	10°37	20°27
S 3	6 47 54	11°59'45	29°30	17°49	13°51	25°15	14°30	4° 2	16°42	15°49	24°30	25°56	24°59	10°44	20°30
M 4	6 51 50	13° 0'54	12°II37	19°27	15° 6	25°55	14°29	4° 5	16°46	15°48	24°29	25°58	24°56	10°51	20°34
T 5	6 55 47	14° 2'02	25°32	21° 6	16°21	26°35	14°29	4° 8	16°49	15°46	24°28	25°R58	24°53	10°57	20°38
W 6	6 59 43	15° 3'10	8°514	22°45	17°35	27°14	14°27	4°11	16°53	15°44	24°27	25°58	24°50	11° 4	20°41
T 7	7 3 40	16° 4'19	20°44	24°24	18°50	27°54	14°26	4°14	16°57	15°43	24°26	25°56	24°46	11°11	20°45
F 8	7 7 37	17° 5'27	3°12	26° 3	20° 4	28°34	14°25	4°17	17° 0	15°41	24°25	25°53	24°43	11°18	20°49
S 9	7 11 33	18° 6'34	15°13	27°43	21°19	29°14	14°23	4°21	17° 4	15°39	24°23	25°50	24°40	11°24	20°53
S 10	7 15 30	19° 7'42	27°14	29°23	22°34	29°53	14°21	4°24	17° 7	15°37	24°22	25°46	24°37	11°31	20°56
M 11	7 19 26	20° 8'50	9°M 9	18° 2	23°48	0°233	14°19	4°28	17°11	15°36	24°21	25°42	24°34	11°38	21° 0
T 12	7 23 23	21° 9'57	21° 1	2°42	25° 3	1°13	14°17	4°32	17°14	15°34	24°20	25°38	24°31	11°44	21° 4
W 13	7 27 19	22°11'04	2°53	4°21	26°18	1°53	14°14	4°35	17°18	15°32	24°19	25°35	24°27	11°51	21° 8
T 14	7 31 16	23°12'11	14°50	6° 0	27°33	2°33	14°11	4°39	17°22	15°31	24°18	25°33	24°24	11°58	21°12
F 15	7 35 12	24°13'18	26°56	7°39	28°47	3°13	14° 9	4°43	17°25	15°29	24°17	25°D33	24°21	12° 5	21°16
S 16	7 39 9	25°14'25	9°M 15	9°17	0°2	3°53	14° 6	4°47	17°29	15°27	24°16	25°34	24°18	12°11	21°20
S 17	7 43 5	26°15'31	21°54	10°54	1°17	4°33	14° 2	4°52	17°32	15°26	24°15	25°35	24°15	12°18	21°24
M 18	7 47 2	27°16'37	4°255	12°30	2°32	5°12	13°59	4°56	17°36	15°24	24°14	25°37	24°12	12°25	21°28
T 19	7 50 59	28°17'43	18°22	14° 4	3°46	5°52	13°55	5° 0	17°39	15°22	24°13	25°38	24° 8	12°32	21°32
W 20	7 54 55	29°18'49	2°315	15°37	5° 1	6°32	13°52	5° 4	17°43	15°21	24°12	25°R38	24° 5	12°38	21°36
T 21	7 58 52	0°19'54	16°34	17° 8	6°16	7°12	13°48	5° 9	17°46	15°19	24°11	25°37	24° 2	12°45	21°40
F 22	8 2 48	1°20'58	1°14	18°35	7°31	7°52	13°43	5°14	17°50	15°17	24°10	25°33	23°59	12°52	21°44
S 23	8 6 45	2°22'02	16° 9	20° 0	8°46	8°32	13°39	5°18	17°53	15°16	24°10	25°28	23°56	12°58	21°48
S 24	8 10 41	3°23'05	1°X 9	21°21	10° 1	9°12	13°35	5°23	17°57	15°14	24° 9	25°23	23°52	13° 5	21°52
M 25	8 14 38	4°24'06	16° 6	22°37	11°15	9°52	13°30	5°28	18° 0	15°13	24° 8	25°17	23°49	13°12	21°56
T 26	8 18 35	5°25'07	0°Y51	23°48	12°30	10°32	13°25	5°33	18° 4	15°11	24° 7	25°11	23°46	13°19	22° 0
W 27	8 22 31	6°26'06	15°18	24°53	13°45	11°12	13°20	5°38	18° 7	15° 9	24° 6	25° 8	23°43	13°25	22° 4
T 28	8 26 28	7°27'05	29°24	25°51	15° 0	11°52	13°15	5°43	18°11	15° 8	24° 5	25° 6	23°40	13°32	22° 8
F 29	8 30 24	8°28'02	13°8	26°42	16°15	12°32	13°10	5°48	18°14	15° 6	24° 4	25°D 5	23°37	13°39	22°13
S 30	8 34 21	9°28'57	26°30	27°24	17°30	13°12	13° 5	5°53	18°17	15° 5	24° 4	25° 6	23°33	13°45	22°17
S 31	8 38 17	10°29'52	9°II34	27°58	18°34	13°52	12°M59	5°Y58	18°21	15°53	24°II 3	25°II 8	23°II30	13°M52	22°21

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	8 42 14	11°30'45	22°II22	28°21	19°359	14°32	12°R53	6°Y 4	18°324	15°R 2	24°R 2	25°R 9	23°II27	13°M59	22°25
T 2	8 46 10	12°31'37	4°56	28°33	21°14	15°12	12°M48	6° 9	18°27	15°50	24°II 1	25°II 8	23°24	14° 6	22°29
W 3	8 50 7	13°32'28	17°20	28°R35	22°29	15°53	12°42	6°15	18°31	14°59	24° 1	25° 6	23°21	14°12	22°34
T 4	8 54 4	14°33'17	29°34	28°26	23°44	16°33	12°35	6°20	18°34	14°58	24° 0	25° 1	23°18	14°19	22°38
F 5	8 58 0	15°34'06	11°12	28° 5	24°59	17°13	12°29	6°26	18°37	14°56	23°59	24°53	23°14	14°26	22°42
S 6	9 1 57	16°34'52	23°44	27°34	26°13	17°53	12°23	6°31	18°41	14°55	23°59	24°44	23°11	14°33	22°46
S 7	9 5 53	17°35'38	5°M40	26°53	27°28	18°33	12°16	6°37	18°44	14°53	23°58	24°33	23° 8	14°39	22°51
M 8	9 9 50	18°36'23	17°34	26° 3	28°43	19°13	12°10	6°43	18°47	14°52	23°57	24°22	23° 5	14°46	22°55
T 9	9 13 46	19°37'06	29°25	25° 6	29°58	19°53	12° 3	6°49	18°50	14°51	23°57	24°12	23° 2	14°53	22°59
W 10	9 17 43	20°37'48	11°18	24° 3	18°13	20°33	11°56	6°55	18°53	14°49	23°56	24° 3	22°58	14°59	23° 3
T 11	9 21 39	21°38'29	23°14	22°55	2°28	21°14	11°49	7° 1	18°57	14°48	23°56	23°57	22°55	15° 6	23° 8
F 12	9 25 36	22°39'09	5°M 18	21°45	3°42	21°54	11°42	7° 7	19° 0	14°47	23°55	23°53	22°52	15°13	23°12
S 13	9 29 33	23°39'48	17°34	20°35	4°57	22°34	11°35	7°13	19° 3	14°45	23°54	23°51	22°49	15°20	23°16
S 14	9 33 29	24°40'25	0°X 6	19°27	6°12	23°14	11°28	7°19	19° 6	14°44	23°54	23°D51	22°46	15°26	23°21
M 15	9 37 26	25°41'02	13° 0	18°21	7°27	23°54	11°21	7°25	19° 9	14°43	23°53	23°52	22°43	15°33	23°25
T 16	9 41 22	26°41'37	26°20	17°20	8°42	24°34	11°13	7°32	19°12	14°42	23°53	23°R52	22°39	15°40	23°29
W 17	9 45 19	27°42'11	10°3	16°25	9°57	25°15	11° 6	7°38	19°15	14°41	23°53	23°51	22°36	15°46	23°33
T 18	9 49 15	28°42'44	24°26	15°36	11°11	25°55	10°58	7°44	19°18	14°40	23°52	23°47	22°33	15°53	23°38
F 19	9 53 12	29°43'16	9°M 11	14°54	12°26	26°35	10°51	7°51	19°21	14°38	23°52	23°41	22°30	16° 0	23°42
S 20	9 57 8	0°X43'46	24°17	14°20	13°41	27°15	10°43	7°57	19°24	14°37	23°51	23°33	22°27	16° 7	23°46
S 21	10 1 5	1°44'14	9°X34	13°53	14°56	27°56	10°36	8° 4	19°27	14°36	23°51	23°23	22°24	16°13	23°50
M 22	10 5 2	2°44'41	24°51	13°34	16°11	28°36	10°28	8°11	19°29	14°35	23°51	23°12	22°20	16°20	23°55
T 23	10 8 58	3°45'05	9°Y58	13°22	17°26	29°16	10°20	8°17	19°32	14°34	23°50	23° 2	22°17	16°27	23°59
W 24	10 12 55	4°45'28	24°44	13°D17	18°40	29°56	10°12	8°24	19°35	14°33	23°50	22°55	22°14	16°34	24° 3
T 25	10 16 51	5°45'49	9°8	13°19	19°55	0°37	10° 4	8°31	19°38	14°32	23°50	22°49	22°11	16°40	24° 7
F 26	10 20 48	6°46'08	22°56	13°28	21°10	1°17	9°57	8°37	19°41	14°31	23°49	22°47	22° 8	16°47	24°11
S 27	10 24 44	7°46'25	6°II21	13°42	22°25	1°57	9°49	8°44	19°43	14°31	23°49	22°D46	22° 4	16°54	24°16
S 28	10 28 41	8°46'40	19°II21	14°22	23°39	2°37	9°M41	8°Y51	19°46	14°30	23°II49	22°R46	22°II 1	17°M 0	24°20

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SWISS EPHEMERIS for the year 1909

MARCH 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	10 32 37	9 ^h 46'53	2 ^h 28'1	14 ^h 27'27	24 ^h 27'54	3 ^h 31'18	9 ^h 33'33	8 ^h 5'58	19 ^h 34'48	14 ^h 29'29	23 ^h 44'49	22 ^h 46'46	21 ^h 58'58	17 ^h 7'7	24 ^h 22'24
T 2	10 36 34	10 ^h 47'04	14 ^h 26'26	14 ^h 58'26	26 ^h 9'9	3 ^h 58'9	9 ^h 25'25	9 ^h 5'5	19 ^h 51'51	14 ^h 28'28	23 ^h 44'49	22 ^h 46'46	21 ^h 55'55	17 ^h 14'14	24 ^h 28'28
W 3	10 40 31	11 ^h 47'13	26 ^h 38'15	15 ^h 33'27	27 ^h 24'4	4 ^h 38'4	9 ^h 17'17	9 ^h 12'12	19 ^h 54'54	14 ^h 27'27	23 ^h 49'49	22 ^h 40'40	21 ^h 52'52	17 ^h 21'21	24 ^h 32'32
T 4	10 44 27	12 ^h 47'20	8 ^h 24'2	16 ^h 12'28	28 ^h 38'5	5 ^h 18'5	9 ^h 10'10	9 ^h 19'19	19 ^h 56'56	14 ^h 27'27	23 ^h 48'48	22 ^h 33'33	21 ^h 49'49	17 ^h 27'27	24 ^h 36'36
F 5	10 48 24	13 ^h 47'25	20 ^h 40'40	16 ^h 55'29	29 ^h 53'5	5 ^h 59'5	9 ^h 2'2	9 ^h 26'26	19 ^h 58'58	14 ^h 26'26	23 ^h 48'48	22 ^h 23'23	21 ^h 45'45	17 ^h 34'34	24 ^h 40'40
S 6	10 52 20	14 ^h 47'28	2 ^h 35'5	17 ^h 42'17	1 ^h 8'8	6 ^h 39'9	8 ^h 54'54	9 ^h 33'33	20 ^h 1'1	14 ^h 25'25	23 ^h 48'48	22 ^h 10'10	21 ^h 42'42	17 ^h 41'41	24 ^h 44'44
S 7	10 56 17	15 ^h 47'29	14 ^h 28'28	18 ^h 32'2	2 ^h 23'2	7 ^h 19'19	8 ^h 46'46	9 ^h 40'40	20 ^h 3'3	14 ^h 25'25	23 ^h 48'48	21 ^h 56'56	21 ^h 39'39	17 ^h 47'47	24 ^h 48'48
M 8	11 0 13	16 ^h 47'27	26 ^h 21'21	19 ^h 26'6	3 ^h 37'7	7 ^h 59'9	8 ^h 38'38	9 ^h 47'47	20 ^h 6'6	14 ^h 24'24	23 ^h 48'48	21 ^h 41'41	21 ^h 36'36	17 ^h 54'54	24 ^h 52'52
T 9	11 4 10	17 ^h 47'25	8 ^h 14'4	20 ^h 22'4	4 ^h 52'2	8 ^h 40'40	8 ^h 31'31	9 ^h 54'54	20 ^h 8'8	14 ^h 23'23	23 ^h 48'48	21 ^h 27'27	21 ^h 33'33	18 ^h 1'1	24 ^h 56'56
W 10	11 8 6	18 ^h 47'20	20 ^h 10'10	21 ^h 22'2	6 ^h 7'7	9 ^h 20'20	8 ^h 23'23	10 ^h 2'2	20 ^h 10'10	14 ^h 23'23	23 ^h 48'48	21 ^h 14'14	21 ^h 29'29	18 ^h 8'8	25 ^h 0'0
T 11	11 12 3	19 ^h 47'13	2 ^h 10'10	22 ^h 24'4	7 ^h 21'1	10 ^h 0'0	8 ^h 15'15	10 ^h 9'9	20 ^h 12'12	14 ^h 22'22	23 ^h 48'48	21 ^h 5'5	21 ^h 26'26	18 ^h 14'14	25 ^h 4'4
F 12	11 15 59	20 ^h 47'05	14 ^h 17'17	23 ^h 28'8	8 ^h 36'6	10 ^h 40'40	8 ^h 8'8	10 ^h 16'16	20 ^h 15'15	14 ^h 22'22	23 ^h 48'48	20 ^h 58'58	21 ^h 23'23	18 ^h 21'21	25 ^h 8'8
S 13	11 19 56	21 ^h 46'55	26 ^h 35'5	24 ^h 35'5	9 ^h 51'1	11 ^h 21'1	8 ^h 0'0	10 ^h 23'23	20 ^h 17'17	14 ^h 21'21	23 ^h 48'48	20 ^h 54'54	21 ^h 20'20	18 ^h 28'28	25 ^h 12'12
S 14	11 23 53	22 ^h 46'43	9 ^h 7'6	25 ^h 44'4	11 ^h 5'5	12 ^h 1'1	7 ^h 53'53	10 ^h 31'31	20 ^h 19'19	14 ^h 21'21	23 ^h 49'49	20 ^h 53'53	21 ^h 17'17	18 ^h 35'35	25 ^h 16'16
M 15	11 27 49	23 ^h 46'30	21 ^h 55'5	26 ^h 55'5	12 ^h 20'20	12 ^h 41'41	7 ^h 46'46	10 ^h 38'38	20 ^h 21'21	14 ^h 21'21	23 ^h 49'49	20 ^h 52'52	21 ^h 14'14	18 ^h 41'41	25 ^h 20'20
T 16	11 31 46	24 ^h 46'15	5 ^h 3'8	28 ^h 8'8	13 ^h 35'5	13 ^h 22'22	7 ^h 38'38	10 ^h 45'45	20 ^h 23'23	14 ^h 20'20	23 ^h 49'49	20 ^h 52'52	21 ^h 10'10	18 ^h 48'48	25 ^h 24'24
W 17	11 35 42	25 ^h 45'59	18 ^h 46'6	29 ^h 23'3	14 ^h 49'9	14 ^h 2'2	7 ^h 31'31	10 ^h 53'53	20 ^h 25'25	14 ^h 20'20	23 ^h 49'49	20 ^h 51'51	21 ^h 7'7	18 ^h 55'55	25 ^h 28'28
T 18	11 39 39	26 ^h 45'40	2 ^h 53'3	0 ^h 40'4	16 ^h 4'4	14 ^h 42'42	7 ^h 24'24	11 ^h 0'0	20 ^h 27'27	14 ^h 20'20	23 ^h 49'49	20 ^h 47'47	21 ^h 4'4	19 ^h 1'1	25 ^h 31'31
F 19	11 43 35	27 ^h 45'20	17 ^h 28'8	1 ^h 59'9	17 ^h 18'18	15 ^h 22'22	7 ^h 17'17	11 ^h 7'7	20 ^h 29'29	14 ^h 19'19	23 ^h 49'49	20 ^h 41'41	21 ^h 1'1	19 ^h 8'8	25 ^h 35'35
S 20	11 47 32	28 ^h 44'58	2 ^h 26'6	3 ^h 19'19	18 ^h 33'33	16 ^h 3'3	7 ^h 10'10	11 ^h 15'15	20 ^h 31'31	14 ^h 19'19	23 ^h 50'50	20 ^h 32'32	20 ^h 58'58	19 ^h 15'15	25 ^h 39'39
S 21	11 51 28	29 ^h 44'34	17 ^h 41'41	4 ^h 41'41	19 ^h 48'8	16 ^h 43'43	7 ^h 3'3	11 ^h 22'22	20 ^h 32'32	14 ^h 19'19	23 ^h 50'50	20 ^h 22'22	20 ^h 55'55	19 ^h 22'22	25 ^h 43'43
M 22	11 55 25	0 ^h 44'08	3 ^h 1'1	6 ^h 5'5	21 ^h 2'2	17 ^h 23'23	6 ^h 57'57	11 ^h 30'30	20 ^h 34'34	14 ^h 19'19	23 ^h 50'50	20 ^h 10'10	20 ^h 51'51	19 ^h 28'28	25 ^h 46'46
T 23	11 59 22	1 ^h 43'40	18 ^h 15'15	7 ^h 30'30	22 ^h 17'17	18 ^h 3'3	6 ^h 50'50	11 ^h 37'37	20 ^h 36'36	14 ^h 19'19	23 ^h 50'50	20 ^h 0'0	20 ^h 48'48	19 ^h 35'35	25 ^h 50'50
W 24	12 3 18	2 ^h 43'10	3 ^h 11'11	8 ^h 56'56	23 ^h 31'31	18 ^h 44'44	6 ^h 44'44	11 ^h 45'45	20 ^h 37'37	14 ^h 18'18	23 ^h 51'51	19 ^h 51'51	20 ^h 45'45	19 ^h 42'42	25 ^h 54'54
T 25	12 7 15	3 ^h 42'38	17 ^h 43'43	10 ^h 25'25	24 ^h 46'46	19 ^h 24'24	6 ^h 37'37	11 ^h 52'52	20 ^h 39'39	14 ^h 18'18	23 ^h 51'51	19 ^h 45'45	20 ^h 42'42	19 ^h 49'49	25 ^h 57'57
F 26	12 11 11	4 ^h 42'04	1 ^h 47'7	11 ^h 54'54	26 ^h 0'0	20 ^h 4'4	6 ^h 31'31	12 ^h 0'0	20 ^h 41'41	14 ^h 18'18	23 ^h 52'52	19 ^h 42'42	20 ^h 39'39	19 ^h 55'55	26 ^h 1'1
S 27	12 15 8	5 ^h 41'27	15 ^h 20'20	13 ^h 25'25	27 ^h 15'15	20 ^h 44'44	6 ^h 25'25	12 ^h 7'7	20 ^h 42'42	14 ^h 18'18	23 ^h 52'52	19 ^h 41'41	20 ^h 35'35	20 ^h 2'2	26 ^h 4'4
S 28	12 19 4	6 ^h 40'48	28 ^h 26'26	14 ^h 58'58	28 ^h 29'29	21 ^h 24'24	6 ^h 19'19	12 ^h 15'15	20 ^h 44'44	14 ^h 18'18	23 ^h 52'52	19 ^h 41'41	20 ^h 32'32	20 ^h 9'9	26 ^h 8'8
M 29	12 23 1	7 ^h 40'06	11 ^h 26'26	16 ^h 31'31	29 ^h 44'44	22 ^h 5'5	6 ^h 13'13	12 ^h 22'22	20 ^h 45'45	14 ^h 19'19	23 ^h 53'53	19 ^h 41'41	20 ^h 29'29	20 ^h 15'15	26 ^h 11'11
T 30	12 26 57	8 ^h 39'23	23 ^h 32'32	18 ^h 7'7	0 ^h 58'8	22 ^h 45'45	6 ^h 7'7	12 ^h 30'30	20 ^h 46'46	14 ^h 19'19	23 ^h 53'53	19 ^h 40'40	20 ^h 26'26	20 ^h 22'22	26 ^h 15'15
W 31	12 30 54	9 ^h 38'37	5 ^h 24'4	19 ^h 44'44	2 ^h 13'13	23 ^h 25'25	6 ^h 2'2	12 ^h 37'37	20 ^h 48'48	14 ^h 19'19	23 ^h 54'54	19 ^h 37'37	20 ^h 23'23	20 ^h 29'29	26 ^h 18'18

Delta T = 9.32 sec.

APRIL 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 34 51	10 ^h 37'48	17 ^h 24'1	21 ^h 22'2	3 ^h 27'2	24 ^h 3'5	5 ^h R56	12 ^h 45'4	20 ^h 34'9	14 ^h 19'1	23 ^h 54'5	19 ^h R31	20 ^h 22'0	20 ^h 36'3	26 ^h 22'1
F 2	12 38 47	11 ^h 36'58	29 ^h 35'5	23 ^h ° 1	4 ^h 42'4	24 ^h 45'5	5 ^h 51'5	12 ^h 53'3	20 ^h 50'5	14 ^h 19'1	23 ^h 55'5	19 ^h 23'3	20 ^h °16	20 ^h 42'4	26 ^h 25'2
S 3	12 42 44	12 ^h 36'05	11 ^h 26'2	24 ^h 42'4	5 ^h 56'6	25 ^h 25'2	5 ^h 46'6	13 ^h ° 0	20 ^h 51'5	14 ^h 19'1	23 ^h 55'5	19 ^h °13	20 ^h °13	20 ^h 49'9	26 ^h 28'2
S 4	12 46 40	13 ^h 35'09	23 ^h °18	26 ^h 25'2	7 ^h °10	26 ^h ° 5	5 ^h 41'8	13 ^h ° 8	20 ^h 53'3	14 ^h 20'2	23 ^h 56'6	19 ^h ° 1	20 ^h °10	20 ^h 56'6	26 ^h 31'3
M 5	12 50 37	14 ^h 34'12	5 ^h 13'1	28 ^h ° 8	8 ^h 25'2	26 ^h 46'6	5 ^h 36'6	13 ^h °15	20 ^h 54'4	14 ^h 20'2	23 ^h 57'7	18 ^h 48'8	20 ^h ° 7	21 ^h ° 2	26 ^h 34'4
T 6	12 54 33	15 ^h 33'13	17 ^h °10	29 ^h 54'4	9 ^h 39'9	27 ^h 26'6	5 ^h 32'3	13 ^h °23	20 ^h 55'5	14 ^h 20'2	23 ^h 57'7	18 ^h 36'6	20 ^h ° 4	21 ^h ° 9	26 ^h 37'7
W 7	12 58 30	16 ^h 32'11	29 ^h °13	1 ^h 40'4	10 ^h 53'3	28 ^h ° 6	5 ^h 27'3	13 ^h °30	20 ^h 56'6	14 ^h 21'3	23 ^h 58'8	18 ^h 26'6	20 ^h ° 1	21 ^h °16	26 ^h 40'0
T 8	13 2 26	17 ^h 31'08	11 ^h 22'2	3 ^h 29'9	12 ^h ° 8	28 ^h 46'6	5 ^h 23'3	13 ^h °38	20 ^h 57'7	14 ^h 21'3	23 ^h 58'8	18 ^h 18'8	19 ^h 57'7	21 ^h °23	26 ^h 43'3
F 9	13 6 23	18 ^h 30'03	23 ^h 39'9	5 ^h 18'8	13 ^h 22'2	29 ^h 26'6	5 ^h 19'9	13 ^h 45'5	20 ^h 57'7	14 ^h 22'4	23 ^h 59'9	18 ^h 12'2	19 ^h 54'4	21 ^h 29'9	26 ^h 46'6
S 10	13 10 19	19 ^h 28'56	6 ^h 7' 6	7 ^h ° 9	14 ^h 36'6	0 ^h 6' 6	5 ^h 15'3	13 ^h 53'3	20 ^h 58'8	14 ^h 22'4	24 ^h ° 0	18 ^h ° 9	19 ^h 51'1	21 ^h 36'6	26 ^h 49'9
S 11	13 14 16	20 ^h 27'47	18 ^h 45'5	9 ^h ° 2	15 ^h 51'1	0 ^h 46'6	5 ^h 11'4	14 ^h ° 0	20 ^h 59'9	14 ^h 23'5	24 ^h ° 0	18 ^h °D 9	19 ^h 48'8	21 ^h 43'3	26 ^h 52'2
M12	13 18 13	21 ^h 26'37	1 ^h 33'9	10 ^h 56'6	17 ^h ° 5	1 ^h 26'6	5 ^h ° 7	14 ^h ° 8	21 ^h ° 0	14 ^h 23'5	24 ^h ° 1	18 ^h ° 9	19 ^h 45'5	21 ^h 50'0	26 ^h 55'5
T 13	13 22 9	22 ^h 25'24	14 ^h 52'2	12 ^h 52'2	18 ^h 19'9	2 ^h ° 6	5 ^h ° 4	14 ^h °15	21 ^h ° 0	14 ^h 24'1	24 ^h ° 2	18 ^h °10	19 ^h 41'1	21 ^h 56'6	26 ^h 58'8
W14	13 26 6	23 ^h 24'10	28 ^h 26'6	14 ^h 49'9	19 ^h 34'4	2 ^h 46'6	5 ^h ° 0	14 ^h °23	21 ^h ° 1	14 ^h 24'1	24 ^h ° 3	18 ^h °R10	19 ^h 38'8	22 ^h ° 3	27 ^h ° 1
T 15	13 30 2	24 ^h 22'55	12 ^h 23'3	16 ^h 48'8	20 ^h 48'8	3 ^h 26'6	4 ^h 57'7	14 ^h °30	21 ^h ° 2	14 ^h 25'1	24 ^h ° 4	18 ^h ° 9	19 ^h 35'5	22 ^h °10	27 ^h ° 3
F 16	13 33 59	25 ^h 21'37	26 ^h 43'3	18 ^h 48'8	22 ^h ° 2	4 ^h ° 5	4 ^h 54'4	14 ^h °38	21 ^h ° 2	14 ^h 26'2	24 ^h ° 4	18 ^h ° 5	19 ^h 32'2	22 ^h °16	27 ^h ° 6
S 17	13 37 55	26 ^h 20'18	11 ^h 23'3	20 ^h 49'9	23 ^h 16'6	4 ^h 45'5	4 ^h 51'1	14 ^h 45'5	21 ^h ° 3	14 ^h 26'2	24 ^h ° 5	18 ^h ° 0	19 ^h 29'9	22 ^h °23	27 ^h ° 9
S 18	13 41 52	27 ^h 18'57	26 ^h 20'2	22 ^h 52'2	24 ^h 31'1	5 ^h 25'5	4 ^h 49'9	14 ^h 53'3	21 ^h ° 3	14 ^h 27'3	24 ^h ° 6	17 ^h 52'2	19 ^h 26'6	22 ^h °30	27 ^h °11
M19	13 45 48	28 ^h 17'35	11 ^h 24'4	24 ^h 56'6	25 ^h 45'5	6 ^h ° 5	4 ^h 46'6	15 ^h ° 0	21 ^h ° 4	14 ^h 28'4	24 ^h ° 7	17 ^h 45'5	19 ^h 22'2	22 ^h °37	27 ^h °14
T 20	13 49 45	29 ^h 16'10	26 ^h 27'7	27 ^h ° 1	26 ^h 59'9	6 ^h 45'5	4 ^h 44'4	15 ^h ° 8	21 ^h ° 4	14 ^h 29'5	24 ^h ° 8	17 ^h 38'8	19 ^h 19'9	22 ^h °43	27 ^h °16
W21	13 53 42	0 ^h 14'44	11 ^h 18'8	29 ^h ° 7	28 ^h 13'3	7 ^h 24'4	4 ^h 42'2	15 ^h °15	21 ^h ° 4	14 ^h 30'6	24 ^h ° 9	17 ^h 32'2	19 ^h 16'6	22 ^h °50	27 ^h °19
T 22	13 57 38	1 ^h 13'15	25 ^h 49'9	1 ^h 14'4	29 ^h 27'7	8 ^h ° 4	4 ^h 40'0	15 ^h °22	21 ^h ° 4	14 ^h 30'6	24 ^h °10	17 ^h 28'8	19 ^h 13'3	22 ^h 57'7	27 ^h °21
F 23	14 1 35	2 ^h 11'45	9 ^h 25'5	3 ^h 22'2	0 ^h 41'1	8 ^h 44'4	4 ^h 39'9	15 ^h °30	21 ^h ° 5	14 ^h 31'7	24 ^h °10	17 ^h 26'6	19 ^h 10'0	23 ^h ° 3	27 ^h °24
S 24	14 5 31	3 ^h 10'13	23 ^h 35'5	5 ^h 30'0	1 ^h 56'6	9 ^h 23'3	4 ^h 37'7	15 ^h °37	21 ^h ° 5	14 ^h 32'8	24 ^h °11	17 ^h D26	19 ^h ° 6	23 ^h °10	27 ^h °26
S 25	14 9 28	4 ^h 8'39	6 ^h 47'7	7 ^h 39'9	3 ^h °10	10 ^h ° 3	4 ^h 36'6	15 ^h °44	21 ^h ° 5	14 ^h 33'9	24 ^h °12	17 ^h 27'7	19 ^h ° 3	23 ^h °17	27 ^h °28
M26	14 13 24	5 ^h 7'02	19 ^h 35'5	9 ^h 47'7	4 ^h 24'4	10 ^h 42'2	4 ^h 35'5	15 ^h °52	21 ^h R 5	14 ^h 34'1	24 ^h °13	17 ^h 28'8	19 ^h ° 0	23 ^h °24	27 ^h °30
T 27	14 17 21	6 ^h 5'24	2 ^h 28'3	11 ^h 56'6	5 ^h 38'8	11 ^h 22'2	4 ^h 34'4	15 ^h °59	21 ^h ° 5	14 ^h 35'1	24 ^h °14	17 ^h R29	18 ^h 57'7	23 ^h °30	27 ^h °32
W28	14 21 18	7 ^h 3'43	14 ^h 15'5	14 ^h ° 3	6 ^h 52'2	12 ^h ° 1	4 ^h 33'3	16 ^h ° 6	21 ^h ° 5	14 ^h 36'2	24 ^h °15	17 ^h 29'9	18 ^h 54'4	23 ^h °37	27 ^h °35
T 29	14 25 14	8 ^h 2'00	26 ^h 15'5	16 ^h °10	8 ^h ° 6	12 ^h 41'1	4 ^h 32'2	16 ^h °13	21 ^h ° 5	14 ^h 37'3	24 ^h °16	17 ^h 27'7	18 ^h 51'1	23 ^h °44	27 ^h °37
F 30	14 29 11	9 ^h 0'15	8 ^h 29' 9	18 ^h 16'6	9 ^h 20'0	13 ^h 20'0	4 ^h 32'2	16 ^h °21	21 ^h 3 4	14 ^h 38'5	24 ^h °17	17 ^h 24'4	18 ^h 47'7	23 ^h °51	27 ^h °39

SWISS EPHEMERIS for the year 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 33 7	9♂58'28	20♂ 1	20♂20	10♂34	13♂59	4°R32	16°V28	21°R 4	14♂40	24♂18	17°R19	18♂44	23♂57	27♂40
S 2	14 37 4	10°56'39	1♂54	22°23	11°48	14°39	4°D32	16°35	21♂ 4	14°41	24°20	17♂13	18°41	24° 4	27°42
M 3	14 41 0	11°54'48	13°51	24°23	13° 2	15°18	4♂32	16°42	21° 3	14°42	24°21	17° 6	18°38	24°11	27°44
T 4	14 44 57	12°52'55	25°55	26°22	14°16	15°57	4°32	16°49	21° 3	14°43	24°22	17° 0	18°35	24°17	27°46
W 5	14 48 53	13°51'01	8♂ 7	28°17	15°30	16°36	4°33	16°56	21° 3	14°45	24°23	16°55	18°32	24°24	27°48
T 6	14 52 50	14°49'05	20°29	0♂10	16°44	17°15	4°33	17° 3	21° 2	14°46	24°24	16°51	18°28	24°31	27°49
F 7	14 56 46	15°47'07	3♂ 1	2° 0	17°58	17°54	4°34	17°10	21° 2	14°47	24°25	16°48	18°25	24°38	27°51
S 8	15 0 43	16°45'08	15°45	3°47	19°12	18°33	4°35	17°17	21° 1	14°48	24°26	16°D47	18°22	24°44	27°52
S 9	15 4 40	17°43'07	28°41	5°31	20°26	19°12	4°37	17°24	21° 0	14°50	24°27	16°48	18°19	24°51	27°54
M10	15 8 36	18°41'05	11♂50	7°12	21°40	19°51	4°38	17°31	21° 0	14°51	24°29	16°49	18°16	24°58	27°55
T 11	15 12 33	19°39'02	25°14	8°48	22°54	20°30	4°40	17°38	20°59	14°53	24°30	16°51	18°12	25° 5	27°57
W12	15 16 29	20°36'57	8♂53	10°22	24° 8	21° 8	4°42	17°44	20°58	14°54	24°31	16°52	18° 9	25°11	27°58
T 13	15 20 26	21°34'51	22°48	11°52	25°21	21°47	4°44	17°51	20°58	14°56	24°32	16°R52	18° 6	25°18	27°59
F 14	15 24 22	22°32'44	6♂59	13°18	26°35	22°26	4°46	17°58	20°57	14°57	24°33	16°52	18° 3	25°25	28° 0
S 15	15 28 19	23°30'36	21°23	14°40	27°49	23° 4	4°48	18° 4	20°56	14°59	24°35	16°50	18° 0	25°31	28° 1
S 16	15 32 15	24°28'26	5°V57	15°59	29° 3	23°43	4°50	18°11	20°55	15° 0	24°36	16°48	17°57	25°38	28° 2
M17	15 36 12	25°26'15	20°36	17°14	0♂17	24°21	4°53	18°18	20°54	15° 2	24°37	16°45	17°53	25°45	28° 3
T 18	15 40 9	26°24'03	5♂14	18°25	1°31	24°59	4°56	18°24	20°53	15° 3	24°38	16°42	17°50	25°52	28° 4
W19	15 44 5	27°21'50	19°44	19°32	2°45	25°37	4°59	18°31	20°52	15° 5	24°40	16°40	17°47	25°58	28° 5
T 20	15 48 2	28°19'35	4♂ 0	20°35	3°58	26°15	5° 2	18°37	20°51	15° 6	24°41	16°39	17°44	26° 5	28° 6
F 21	15 51 58	29°17'19	17°57	21°34	5°12	26°53	5° 6	18°43	20°49	15° 8	24°42	16°D38	17°41	26°12	28° 7
S 22	15 55 55	0♂15'02	1♂32	22°29	6°26	27°31	5° 9	18°50	20°48	15°10	24°44	16°39	17°38	26°18	28° 8
S 23	15 59 51	1°12'43	14°44	23°19	7°40	28° 9	5°13	18°56	20°47	15°11	24°45	16°40	17°34	26°25	28° 8
M24	16 3 48	2°10'23	27°35	24° 6	8°54	28°47	5°17	19° 2	20°46	15°13	24°46	16°41	17°31	26°32	28° 9
T 25	16 7 45	3° 8'01	10♂ 5	24°48	10° 7	29°24	5°21	19° 8	20°44	15°15	24°48	16°42	17°28	26°39	28° 9
W26	16 11 41	4° 5'38	22°20	25°25	11°21	0♂ 2	5°25	19°14	20°43	15°17	24°49	16°43	17°25	26°45	28°10
T 27	16 15 38	5° 3'13	4♂23	25°58	12°35	0°39	5°29	19°21	20°42	15°18	24°50	16°R43	17°22	26°52	28°10
F 28	16 19 34	6° 0'47	16°19	26°27	13°48	1°16	5°34	19°27	20°40	15°20	24°52	16°43	17°18	26°59	28°10
S 29	16 23 31	6°58'19	28°12	26°51	15° 2	1°53	5°38	19°32	20°39	15°22	24°53	16°42	17°15	27° 6	28°11
S 30	16 27 27	7°55'50	10♂ 6	27°10	16°16	2°30	5°43	19°38	20°37	15°24	24°54	16°41	17°12	27°12	28°11
M31	16 31 24	8♂53'20	22♂ 7	27♂25	17♂30	3♂ 7	5♂48	19°V44	20♂36	15♂26	24♂56	16♂40	17♂ 9	27♂19	28♂11

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	16 35 20	9♂50'49	4♂16	27♂35	18♂43	3♂44	5♂53	19°V50	20°R34	15♂28	24♂57	16°R39	17♂ 6	27♂26	28♂11
W 2	16 39 17	10°48'16	16°37	27°40	19°57	4°21	5°58	19°56	20♂32	15°30	24°59	16♂39	17° 3	27°32	28°R11
T 3	16 43 13	11°45'42	29°11	27°R41	21°11	4°57	6° 4	20° 1	20°31	15°31	25° 0	16°38	16°59	27°39	28°11
F 4	16 47 10	12°43'08	12♂ 1	27°37	22°24	5°34	6° 9	20° 7	20°29	15°33	25° 1	16°D38	16°56	27°46	28°11
S 5	16 51 7	13°40'32	25° 5	27°29	23°38	6°10	6°15	20°12	20°27	15°35	25° 3	16°38	16°53	27°53	28°11
S 6	16 55 3	14°37'56	8♂25	27°17	24°51	6°46	6°21	20°18	20°25	15°37	25° 4	16°38	16°50	27°59	28°11
M 7	16 59 0	15°35'18	21°58	27° 1	26° 5	7°22	6°27	20°23	20°24	15°39	25° 6	16°38	16°47	28° 6	28°10
T 8	17 2 56	16°32'41	5♂43	26°41	27°19	7°58	6°33	20°29	20°22	15°41	25° 7	16°R38	16°44	28°13	28°10
W 9	17 6 53	17°30'02	19°39	26°17	28°32	8°34	6°39	20°34	20°20	15°43	25° 8	16°38	16°40	28°19	28°10
T 10	17 10 49	18°27'23	3♂44	25°51	29°46	9° 9	6°46	20°39	20°18	15°45	25°10	16°38	16°37	28°26	28° 9
F 11	17 14 46	19°24'43	17°55	25°22	0♂59	9°45	6°52	20°44	20°16	15°47	25°11	16°D38	16°34	28°33	28° 9
S 12	17 18 43	20°22'03	2°V10	24°51	2°13	10°20	6°59	20°49	20°14	15°49	25°13	16°38	16°31	28°40	28° 8
S 13	17 22 39	21°19'23	16°26	24°19	3°27	10°55	7° 6	20°54	20°12	15°51	25°14	16°38	16°28	28°46	28° 8
M14	17 26 36	22°16'42	0♂42	23°45	4°40	11°30	7°13	20°59	20°10	15°53	25°15	16°39	16°24	28°53	28° 7
T 15	17 30 32	23°14'01	14°52	23°11	5°54	12° 4	7°20	21° 4	20° 8	15°56	25°17	16°39	16°21	29° 0	28° 6
W16	17 34 29	24°11'20	28°54	22°38	7° 7	12°39	7°27	21° 9	20° 6	15°58	25°18	16°40	16°18	29° 7	28° 5
T 17	17 38 25	25° 8'38	12♂46	22° 5	8°21	13°13	7°34	21°13	20° 4	16° 0	25°20	16°R40	16°15	29°13	28° 4
F 18	17 42 22	26° 5'55	26°23	21°33	9°34	13°47	7°42	21°18	20° 2	16° 2	25°21	16°40	16°12	29°20	28° 4
S 19	17 46 18	27° 3'13	9♂43	21° 3	10°48	14°21	7°49	21°22	20° 0	16° 4	25°23	16°39	16° 9	29°27	28° 3
S 20	17 50 15	28° 0'29	22°46	20°35	12° 1	14°54	7°57	21°27	19°57	16° 6	25°24	16°38	16° 5	29°33	28° 2
M21	17 54 12	28°57'45	5♂23	20°11	13°15	15°28	8° 5	21°31	19°55	16° 8	25°25	16°37	16° 2	29°40	28° 0
T 22	17 58 8	29°55'01	18° 1	19°49	14°28	16° 1	8°13	21°35	19°53	16°10	25°27	16°35	15°59	29°47	27°59
W23	18 2 5	0♂52'15	0♂16	19°31	15°42	16°34	8°21	21°40	19°51	16°13	25°28	16°33	15°56	29°54	27°58
T 24	18 6 1	1°49'29	12°19	19°17	16°55	17° 7	8°29	21°44	19°48	16°15	25°30	16°32	15°53	0♂ 0	27°57
F 25	18 9 58	2°46'43	24°15	19° 7	18° 9	17°39	8°38	21°48	19°46	16°17	25°31	16°31	15°50	0° 7	27°56
S 26	18 13 54	3°43'56	6♂ 8	19° 2	19°22	18°11	8°46	21°52	19°44	16°19	25°33	16°D31	15°46	0°14	27°54
S 27	18 17 51	4°41'09	18° 3	19°D 1	20°36	18°43	8°55	21°56	19°42	16°21	25°34	16°31	15°43	0°20	27°53
M28	18 21 47	5°38'21	0♂ 4	19° 5	21°49	19°15	9° 3	21°59	19°39	16°23	25°35	16°32	15°40	0°27	27°51
T 29	18 25 44	6°35'32	12°16	19°13	23° 3	19°46	9°12	22° 3	19°37	16°26	25°37	16°34	15°37	0°34	27°50
W30	18 29 41	7♂32'43	24♂42	19♂27	24♂16	20♂17	9♂21	22°V 7	19♂35	16♂28	25♂38	16♂35	15♂34	0♂41	27♂48

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JULY 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 33 37	8 ²⁹ 29'54	7 ²⁷ 26	19 ¹¹ 45	25 ²⁸ 29	20 ¹¹ 48	9 ¹¹ 30	22 ¹¹ 10	19 ¹⁹ 32	16 ²⁸ 30	25 ¹¹ 40	16 ¹¹ 36	15 ¹¹ 30	0 ⁴ 47	27 ¹⁹ 47
F 2	18 37 34	9 ²⁷ 05	20 ³⁰	20 ⁹	26 ⁴³	21 ¹⁹	9 ³⁹	22 ¹⁴	19 ²³ 30	16 ³²	25 ⁴¹	16 ¹⁹ 36	15 ²⁷	0 ⁵ 54	27 ²⁷ 45
S 3	18 41 30	10 ²⁴ 16	3 ²⁵ 34	20 ³⁷	27 ⁵⁶	21 ⁴⁹	9 ⁴⁸	22 ¹⁷	19 ²⁸	16 ³⁵	25 ⁴²	16 ³⁶	15 ²⁴	1 ¹	27 ²⁷ 43
S 4	18 45 27	11 ²¹ 27	17 ³⁸	21 ¹⁰	29 ⁹	22 ¹⁹	9 ⁵⁷	22 ²⁰	19 ²⁵	16 ³⁷	25 ⁴⁴	16 ³⁴	15 ²¹	1 ⁷	27 ²⁷ 41
M 5	18 49 23	12 ¹⁸ 37	1 ³⁸ 38	21 ⁴⁸	0 ¹² 23	22 ⁴⁹	10 ⁷	22 ²⁴	19 ²³	16 ³⁹	25 ⁴⁵	16 ³⁰	15 ¹⁸	1 ¹⁴	27 ²⁷ 40
T 6	18 53 20	13 ¹⁵ 48	15 ⁵¹	22 ³¹	1 ³⁶	23 ¹⁸	10 ¹⁶	22 ²⁷	19 ²⁰	16 ⁴¹	25 ⁴⁷	16 ²⁷	15 ¹⁵	1 ²¹	27 ²⁷ 38
W 7	18 57 16	14 ¹² 59	0 ¹² 12	23 ¹⁹	2 ⁴⁹	23 ⁴⁷	10 ²⁶	22 ³⁰	19 ¹⁸	16 ⁴³	25 ⁴⁸	16 ²³	15 ¹¹	1 ²⁸	27 ²⁷ 36
T 8	19 1 13	15 ¹⁰ 10	14 ³⁵	24 ¹¹	4 ³	24 ¹⁵	10 ³⁵	22 ³²	19 ¹⁶	16 ⁴⁶	25 ⁴⁹	16 ²⁰	15 ⁸	1 ³⁴	27 ²⁷ 34
F 9	19 5 10	16 ⁷ 22	28 ⁵⁷	25 ⁸	5 ¹⁶	24 ⁴⁴	10 ⁴⁵	22 ³⁵	19 ¹³	16 ⁴⁸	25 ⁵¹	16 ¹⁸	15 ⁵	1 ⁴¹	27 ²⁷ 32
S 10	19 9 6	17 ⁴ 34	13 ¹¹ 14	26 ⁹	6 ²⁹	25 ¹²	10 ⁵⁵	22 ³⁸	19 ¹¹	16 ⁵⁰	25 ⁵²	16 ¹⁷	15 ²	1 ⁴⁸	27 ²⁷ 30
S 11	19 13 3	18 ¹ 46	27 ²²	27 ¹⁵	7 ⁴³	25 ³⁹	11 ⁵	22 ⁴¹	19 ⁸	16 ⁵²	25 ⁵³	16 ¹⁷	14 ⁵⁹	1 ⁵⁴	27 ²⁷ 28
M 12	19 16 59	18 ⁵⁸ 59	11 ¹⁸ 21	28 ²⁶	8 ⁵⁶	26 ⁶	11 ¹⁵	22 ⁴³	19 ⁶	16 ⁵⁵	25 ⁵⁵	16 ¹⁸	14 ⁵⁶	2 ¹	27 ²⁷ 25
T 13	19 20 56	19 ⁵⁶ 13	25 ⁹	29 ⁴⁰	10 ⁹	26 ³³	11 ²⁵	22 ⁴⁶	19 ⁴	16 ⁵⁷	25 ⁵⁶	16 ¹⁹	14 ⁵²	2 ⁸	27 ²⁷ 23
W 14	19 24 52	20 ⁵³ 27	8 ¹¹ 46	1 ²²	11 ²²	27 ⁰	11 ³⁵	22 ⁴⁸	19 ¹	16 ⁵⁹	25 ⁵⁷	16 ²⁰	14 ⁴⁹	2 ¹⁵	27 ²⁷ 21
T 15	19 28 49	21 ⁵⁰ 42	22 ¹²	2 ²³	12 ³⁶	27 ²⁶	11 ⁴⁵	22 ⁵⁰	18 ⁵⁹	17 ¹	25 ⁵⁹	16 ²¹	14 ⁴⁶	2 ²¹	27 ²⁷ 19
F 16	19 32 46	22 ⁴⁷ 58	5 ²⁵ 25	3 ⁵¹	13 ⁴⁹	27 ⁵¹	11 ⁵⁶	22 ⁵²	18 ⁵⁶	17 ³	26 ⁰	16 ¹⁹	14 ⁴³	2 ²⁸	27 ²⁷ 16
S 17	19 36 42	23 ⁴⁵ 13	18 ²⁶	5 ²²	15 ²	28 ¹⁶	12 ⁶	22 ⁵⁴	18 ⁵⁴	17 ⁶	26 ¹	16 ¹⁶	14 ⁴⁰	2 ³⁵	27 ²⁷ 14
S 18	19 40 39	24 ⁴² 30	1 ¹¹ 13	6 ⁵⁸	16 ¹⁵	28 ⁴¹	12 ¹⁷	22 ⁵⁶	18 ⁵²	17 ⁸	26 ²	16 ¹¹	14 ³⁶	2 ⁴²	27 ²⁷ 12
M 19	19 44 35	25 ³⁹ 46	13 ⁴⁸	8 ³⁷	17 ²⁹	29 ⁵	12 ²⁷	22 ⁵⁸	18 ⁴⁹	17 ¹⁰	26 ⁴	16 ⁴	14 ³³	2 ⁴⁸	27 ²⁷ 9
T 20	19 48 32	26 ³⁷ 03	26 ¹⁰	10 ²⁰	18 ⁴²	29 ²⁹	12 ³⁸	23 ⁰	18 ⁴⁷	17 ¹²	26 ⁵	15 ⁵⁷	14 ³⁰	2 ⁵⁵	27 ²⁷ 7
W 21	19 52 28	27 ³⁴ 21	8 ¹¹ 20	12 ⁷	19 ⁵⁵	29 ⁵²	12 ⁴⁹	23 ¹	18 ⁴⁴	17 ¹⁵	26 ⁶	15 ⁵⁰	14 ²⁷	3 ²	27 ²⁷ 4
T 22	19 56 25	28 ³¹ 38	20 ²¹	13 ⁵⁶	21 ⁸	0 ¹¹ 15	13 ⁰	23 ³	18 ⁴²	17 ¹⁷	26 ⁸	15 ⁴⁴	14 ²⁴	3 ⁸	27 ²⁷ 2
F 23	20 0 21	29 ²⁸ 56	2 ¹⁶ 16	15 ⁴⁹	22 ²¹	0 ³⁷	13 ¹⁰	23 ⁴	18 ⁴⁰	17 ¹⁹	26 ⁹	15 ³⁹	14 ²¹	3 ¹⁵	26 ⁵⁹
S 24	20 4 18	0 ¹² 26'15	14 ⁷	17 ⁴⁴	23 ³⁴	0 ⁵⁸	13 ²¹	23 ⁶	18 ³⁷	17 ²¹	26 ¹⁰	15 ³⁵	14 ¹⁷	3 ²²	26 ⁵⁷
S 25	20 8 15	1 ²³ 34	26 ¹	19 ⁴²	24 ⁴⁷	1 ²⁰	13 ³³	23 ⁷	18 ³⁵	17 ²³	26 ¹¹	15 ³⁴	14 ¹⁴	3 ²⁹	26 ⁵⁴
M 26	20 12 11	2 ²⁰ 53	8 ¹¹ 0	21 ⁴²	26 ¹	1 ⁴⁰	13 ⁴⁴	23 ⁸	18 ³³	17 ²⁵	26 ¹²	15 ³⁴	14 ¹¹	3 ³⁵	26 ⁵¹
T 27	20 16 8	3 ¹⁸ 13	20 ¹⁰	23 ⁴⁴	27 ¹⁴	2 ⁰	13 ⁵⁵	23 ⁹	18 ³⁰	17 ²⁸	26 ¹⁴	15 ³⁵	14 ⁸	3 ⁴²	26 ⁴⁹
W 28	20 20 4	4 ¹⁵ 33	2 ¹¹ 37	25 ⁴⁷	28 ²⁷	2 ²⁰	14 ⁶	23 ¹⁰	18 ²⁸	17 ³⁰	26 ¹⁵	15 ³⁶	14 ⁵	3 ⁴⁹	26 ⁴⁶
T 29	20 24 1	5 ¹² 54	15 ²⁴	27 ⁵¹	29 ⁴⁰	2 ³⁹	14 ¹⁷	23 ¹¹	18 ²⁶	17 ³²	26 ¹⁶	15 ³⁷	14 ²	3 ⁵⁵	26 ⁴³
F 30	20 27 57	6 ¹⁰ 15	28 ³⁵	29 ⁵⁷	0 ¹¹ 53	2 ⁵⁷	14 ²⁹	23 ¹²	18 ²³	17 ³⁴	26 ¹⁷	15 ³⁶	13 ⁵⁸	4 ²	26 ⁴⁰
S 31	20 31 54	7 ¹² 37	12 ²³ 12	2 ¹² 2	2 ¹¹ 6	3 ¹¹ 15	14 ¹¹ 40	23 ¹²	18 ²¹	17 ³⁶	26 ¹⁸	15 ³³	13 ⁵⁵	4 ⁹	26 ³⁸

Delta T = 9.78 sec.

AUGUST 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 35 50	8♌ 5'00	26♊13	4♌ 8	3♎19	3♏32	14♎52	23♏13	18♏19	17♊38	26♎19	15♏28	13♎52	4♌16	26♏35
M 2	20 39 47	9° 2'24	10♋36	6°14	4°31	3°49	15° 3	23°13	18♊17	17°40	26°20	15♎21	13°49	4°22	26♋32
T 3	20 43 44	9°59'48	25°16	8°19	5°44	4° 4	15°15	23°13	18°15	17°43	26°21	15°13	13°46	4°29	26°29
W 4	20 47 40	10°57'14	10♈4	10°24	6°57	4°20	15°27	23°14	18°12	17°45	26°23	15° 5	13°42	4°36	26°26
T 5	20 51 37	11°54'40	24°52	12°28	8°10	4°34	15°38	23°14	18°10	17°47	26°24	14°57	13°39	4°42	26°23
F 6	20 55 33	12°52'08	9♏33	14°31	9°23	4°48	15°50	23°14	18° 8	17°49	26°25	14°51	13°36	4°49	26°20
S 7	20 59 30	13°49'37	24° 0	16°33	10°36	5° 1	16° 2	23°14	18° 6	17°51	26°26	14°48	13°33	4°56	26°18
S 8	21 3 26	14°47'07	8♊12	18°34	11°49	5°14	16°14	23°13	18° 4	17°53	26°27	14°46	13°30	5° 3	26°15
M 9	21 7 23	15°44'39	22° 5	20°34	13° 1	5°26	16°26	23°13	18° 2	17°55	26°28	14°D46	13°27	5° 9	26°12
T 10	21 11 19	16°42'12	5♎41	22°32	14°14	5°37	16°38	23°13	18° 0	17°57	26°29	14°47	13°23	5°16	26° 9
W 11	21 15 16	17°39'47	19° 0	24°29	15°27	5°47	16°50	23°12	17°58	17°59	26°30	14°R47	13°20	5°23	26° 6
T 12	21 19 13	18°37'23	2♊ 6	26°25	16°40	5°56	17° 2	23°11	17°56	18° 1	26°31	14°45	13°17	5°29	26° 3
F 13	21 23 9	19°35'01	14°58	28°19	17°52	6° 5	17°14	23°11	17°54	18° 3	26°32	14°42	13°14	5°36	26° 0
S 14	21 27 6	20°32'40	27°39	0♎11	19° 5	6°13	17°26	23°10	17°52	18° 5	26°33	14°35	13°11	5°43	25°57
S 15	21 31 2	21°30'20	10♌10	2° 3	20°18	6°20	17°38	23° 9	17°50	18° 7	26°33	14°26	13° 8	5°50	25°54
M 16	21 34 59	22°28'02	22°31	3°53	21°30	6°27	17°51	23° 8	17°48	18° 9	26°34	14°15	13° 4	5°56	25°51
T 17	21 38 55	23°25'44	4♎42	5°41	22°43	6°32	18° 3	23° 7	17°46	18°11	26°35	14° 3	13° 1	6° 3	25°48
W 18	21 42 52	24°23'28	16°46	7°28	23°56	6°37	18°15	23° 5	17°45	18°12	26°36	13°50	12°58	6°10	25°45
T 19	21 46 48	25°21'14	28°43	9°13	25° 8	6°41	18°28	23° 4	17°43	18°14	26°37	13°39	12°55	6°16	25°42
F 20	21 50 45	26°19'00	10♌34	10°57	26°21	6°44	18°40	23° 3	17°41	18°16	26°38	13°29	12°52	6°23	25°39
S 21	21 54 42	27°16'48	22°24	12°40	27°33	6°46	18°53	23° 1	17°39	18°18	26°38	13°21	12°48	6°30	25°35
S 22	21 58 38	28°14'37	4♎15	14°21	28°46	6°47	19° 5	22°59	17°38	18°20	26°39	13°17	12°45	6°37	25°32
M 23	22 2 35	29°12'27	16°12	16° 1	29°58	6°R48	19°18	22°58	17°36	18°22	26°40	13°14	12°42	6°43	25°29
T 24	22 6 31	0♎10'18	28°20	17°40	1♌11	6°47	19°30	22°56	17°35	18°23	26°41	13°D14	12°39	6°50	25°26
W 25	22 10 28	1° 8'11	10♊43	19°17	2°23	6°46	19°43	22°54	17°33	18°25	26°41	13°R14	12°36	6°57	25°23
T 26	22 14 24	2° 6'05	23°28	20°53	3°35	6°44	19°55	22°52	17°32	18°27	26°42	13°13	12°33	7° 3	25°20
F 27	22 18 21	3° 4'00	6♊38	22°27	4°48	6°41	20° 8	22°50	17°30	18°29	26°43	13°12	12°29	7°10	25°17
S 28	22 22 17	4° 1'57	20°16	24° 0	6° 0	6°38	20°21	22°48	17°29	18°30	26°44	13° 8	12°26	7°17	25°14
S 29	22 26 14	4°59'55	4♋24	25°32	7°12	6°33	20°33	22°45	17°27	18°32	26°44	13° 1	12°23	7°23	25°12
M 30	22 30 11	5°57'54	18°59	27° 3	8°25	6°28	20°46	22°43	17°26	18°34	26°45	12°52	12°20	7°30	25° 9
T 31	22 34 7	6♎55'55	3♈55	28♎32	9♌37	6♏22	20♎59	22♏40	17♊25	18♊35	26♎45	12♎42	12♎17	7♌37	25♋ 6

SWISS EPHEMERIS for the year 1909

SEPTEMBER 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	22 38 4	7 ^h 53'57"	19 ^h 3'3	0 ^h 0'0	10 ^h 49'	6°R15	21 ^h 12'	22°R38	17°R23	18 ^h 37'	26 ^h 46'	12°R31	12 ^h 14'	7 ^h 44'	25°R 3
T 2	22 42 0	8°52'01"	4 ^h 13'	1°26'	12° 1	6°V 7	21°24'	22°V35	17 ^h 22'	18°38'	26°47'	12 ^h 20'	12° 10'	7°50'	25°R 0
F 3	22 45 57	9°50'07"	19°15'	2°51'	13°13'	5°59'	21°37'	22°32'	17°21'	18°40'	26°47'	12°12'	12° 7'	7°57'	24°57'
S 4	22 49 53	10°48'15"	4 ^h 8'0	4°15'	14°25'	5°49'	21°50'	22°29'	17°20'	18°41'	26°48'	12° 6'	12° 4'	8° 4'	24°54'
S 5	22 53 50	11°46'25"	18°22'	5°37'	15°37'	5°39'	22° 3'	22°26'	17°19'	18°43'	26°48'	12° 3'	12° 1'	8°10'	24°51'
M 6	22 57 46	12°44'37"	2 ^h 11'21	6°58'	16°49'	5°29'	22°16'	22°23'	17°18'	18°44'	26°49'	12° 2'	11°58'	8°17'	24°48'
T 7	23 1 143	13°42'51"	15°55'	8°17'	18° 1	5°17'	22°29'	22°20'	17°17'	18°46'	26°49'	12° 2'	11°54'	8°24'	24°46'
W 8	23 5 39	14°41'07"	29° 8'	9°35'	19°13'	5° 5'	22°42'	22°17'	17°16'	18°47'	26°50'	12° 2'	11°51'	8°31'	24°43'
T 9	23 9 36	15°39'25"	12 ^h 28'3	10°51'	20°25'	4°52'	22°54'	22°14'	17°15'	18°49'	26°50'	12° 0'	11°48'	8°37'	24°40'
F 10	23 13 33	16°37'45"	24°42'	12° 6'	21°37'	4°39'	23° 7'	22°11'	17°14'	18°50'	26°50'	11°56'	11°45'	8°44'	24°37'
S 11	23 17 29	17°36'07"	7 ^h 9'8	13°19'	22°49'	4°25'	23°20'	22° 7'	17°13'	18°51'	26°51'	11°48'	11°42'	8°51'	24°35'
S 12	23 21 26	18°34'32"	19°25'	14°30'	24° 1	4°11'	23°33'	22° 4'	17°12'	18°53'	26°51'	11°38'	11°39'	8°57'	24°32'
M13	23 25 22	19°32'58"	1 ^h 11'34	15°39'	25°12'	3°56'	23°46'	22° 0'	17°12'	18°54'	26°51'	11°26'	11°35'	9° 4'	24°29'
T 14	23 29 19	20°31'26"	13°36'	16°46'	26°24'	3°40'	23°59'	21°56'	17°11'	18°55'	26°52'	11°12'	11°32'	9°11'	24°27'
W15	23 33 15	21°29'56"	25°32'	17°51'	27°36'	3°24'	24°12'	21°53'	17°10'	18°57'	26°52'	10°58'	11°29'	9°18'	24°24'
T 16	23 37 12	22°28'27"	7 ^h 25'25	18°53'	28°47'	3° 8'	24°25'	21°49'	17°10'	18°58'	26°52'	10°45'	11°26'	9°24'	24°21'
F 17	23 41 8	23°27'01"	19°15'	19°54'	29°59'	2°51'	24°38'	21°45'	17° 9'	18°59'	26°52'	10°34'	11°23'	9°31'	24°19'
S 18	23 45 5	24°25'37"	1 ^h 11'4	20°52'	1 ^h 11'11	2°34'	24°51'	21°41'	17° 9'	19° 0'	26°53'	10°25'	11°19'	9°38'	24°16'
S 19	23 49 2	25°24'14"	12°56'	21°47'	2°22'	2°17'	25° 4'	21°37'	17° 8'	19° 1'	26°53'	10°19'	11°16'	9°44'	24°14'
M20	23 52 58	26°22'53"	24°53'	22°39'	3°34'	2° 0'	25°17'	21°33'	17° 8'	19° 2'	26°53'	10°16'	11°13'	9°51'	24°12'
T 21	23 56 55	27°21'34"	7 ^h 21'0	23°28'	4°45'	1°43'	25°30'	21°29'	17° 8'	19° 3'	26°53'	10°D15	11°10'	9°58'	24° 9'
W22	0 0 51	28°20'16"	19°21'	24°13'	5°56'	1°25'	25°43'	21°25'	17° 7'	19° 4'	26°53'	10°15'	11° 7'	10° 4'	24° 7'
T 23	0 4 48	29°19'01"	2 ^h 3'1	24°55'	7° 8'	1° 8'	25°56'	21°21'	17° 7'	19° 6'	26°53'	10°R16	11° 4'	10°11'	24° 5'
F 24	0 8 44	0 ^h 17'47	15° 6'	25°32'	8°19'	0°50'	26° 9'	21°17'	17° 7'	19° 6'	26°54'	10°15'	11° 0'	10°18'	24° 2'
S 25	0 12 41	1°16'34"	28°38'	26° 6'	9°30'	0°33'	26°22'	21°12'	17° 7'	19° 7'	26°54'	10°12'	10°57'	10°25'	24° 0'
S 26	0 16 37	2°15'24"	12 ^h 22'41	26°34'	10°41'	0°15'	26°35'	21° 8'	17° 7'	19° 8'	26°54'	10° 6'	10°54'	10°31'	23°58'
M27	0 20 34	3°14'15"	27°12'	26°58'	11°52'	29 ^h 58'	26°48'	21° 4'	17°D 7'	19° 9'	26°R54	9°59'	10°51'	10°38'	23°56'
T 28	0 24 31	4°13'08"	12 ^h 21'9	27°16'	13° 4'	29°41'	27° 1'	20°59'	17° 7'	19°10'	26°54'	9°50'	10°48'	10°45'	23°54'
W29	0 28 27	5°12'02"	27°23'	27°28'	14°15'	29°24'	27°14'	20°55'	17° 7'	19°11'	26°54'	9°40'	10°45'	10°51'	23°52'
T 30	0 32 24	6°10'59"	12 ^h 27'43	27°R34	15 ^h 25'	29 ^h 21'	27 ^h 17'	20°V50	17 ^h 3'7	19°12'	26°R54	9°31'3	10°41'	10°58'	23°50'

Delta T = 10.01 sec.

OCTOBER 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	0 36 20	7 ^h 5'58"	27°R33	27°R33	16 ^h 36'	28°R52	27 ^h 40'	20°R46	17 ^h 3'7	19°12'	26°R54	9°R23	10°R38	11 ^h 5'5	23°R48
S 2	0 40 17	8° 8'58"	27 ^h 25'57	27°25'	17°47'	28°R36	27°52'	20°V41	17° 7'	19°13'	26°R53	9°R18	10°35'	11°11'	23°R46
S 3	0 44 13	9° 8'02"	27°34'	27° 9'	18°58'	28°21'	28° 5'	20°36'	17° 8'	19°14'	26°53'	9°16'	10°32'	11°18'	23°44'
M 4	0 48 10	10° 7'07"	11 ^h 11'44	26°46'	20° 9'	28° 6'	28°18'	20°32'	17° 8'	19°15'	26°53'	9°D15	10°29'	11°25'	23°42'
T 5	0 52 6	11° 6'15"	25°27'	26°14'	21°19'	27°52'	28°31'	20°27'	17° 8'	19°15'	26°53'	9°16'	10°25'	11°32'	23°40'
W 6	0 56 3	12° 5'25"	8 ^h 23'43	25°35'	22°30'	27°38'	28°44'	20°22'	17° 9'	19°16'	26°53'	9°R17	10°22'	11°38'	23°39'
T 7	1 0 0	13° 4'38"	21°36'	24°48'	23°41'	27°25'	28°57'	20°18'	17° 9'	19°16'	26°53'	9°16'	10°19'	11°45'	23°37'
F 8	1 3 56	14° 3'53"	4 ^h 21'11	23°54'	24°51'	27°12'	29° 9'	20°13'	17°10'	19°17'	26°52'	9°14'	10°16'	11°52'	23°36'
S 9	1 7 53	15° 3'10"	16°30'	22°54'	26° 1'	27° 0'	29°22'	20° 8'	17°10'	19°17'	26°52'	9°10'	10°13'	11°58'	23°34'
S 10	1 11 49	16° 2'29"	28°39'	21°49'	27°12'	26°49'	29°35'	20° 4'	17°11'	19°18'	26°52'	9° 3'	10°10'	12° 5'	23°33'
M11	1 15 46	17° 1'51"	10 ^h 11'39	20°39'	28°22'	26°38'	29°48'	19°59'	17°12'	19°18'	26°52'	8°54'	10° 6'	12°12'	23°31'
T 12	1 19 42	18° 1'15"	22°34'	19°27'	29°32'	26°28'	0 ^h 0'0	19°54'	17°12'	19°19'	26°51'	8°45'	10° 3'	12°19'	23°30'
W13	1 23 39	19° 0'41"	4 ^h 26'26	18°15'	0 ^h 2'42	26°18'	0°13'	19°49'	17°13'	19°19'	26°51'	8°35'	10° 0'	12°25'	23°28'
T 14	1 27 35	20° 0'09"	16°17'	17° 4'	1°53'	26°10'	0°26'	19°45'	17°14'	19°19'	26°51'	8°25'	9°57'	12°32'	23°27'
F 15	1 31 32	20°59'39"	28° 8'	15°58'	3° 3'	26° 2'	0°38'	19°40'	17°15'	19°20'	26°50'	8°17'	9°54'	12°39'	23°26'
S 16	1 35 28	21°59'11"	10 ^h 11'1	14°57'	4°13'	25°55'	0°51'	19°35'	17°16'	19°20'	26°50'	8°11'	9°50'	12°45'	23°25'
S 17	1 39 25	22°58'45"	21°58'	14° 3'	5°22'	25°48'	1° 3'	19°30'	17°17'	19°20'	26°50'	8° 8'	9°47'	12°52'	23°24'
M18	1 43 22	23°58'21"	4 ^h 21'1	13°19'	6°32'	25°43'	1°16'	19°25'	17°18'	19°20'	26°49'	8°D 6'	9°44'	12°59'	23°23'
T 19	1 47 18	24°57'59"	16°13'	12°44'	7°42'	25°38'	1°28'	19°21'	17°19'	19°20'	26°49'	8° 6'	9°41'	13° 5'	23°22'
W20	1 51 15	25°57'38"	28°38'	12°21'	8°52'	25°34'	1°40'	19°16'	17°20'	19°21'	26°48'	8° 8'	9°38'	13°12'	23°21'
T 21	1 55 11	26°57'20"	11 ^h 21'39	12° 8'	10° 1'	25°31'	1°53'	19°11'	17°21'	19°21'	26°48'	8° 9'	9°35'	13°19'	23°20'
F 22	1 59 8	27°57'03"	24°20'	12°D 7'	11°10'	25°29'	2° 5'	19° 7'	17°23'	19°21'	26°47'	8°R10	9°31'	13°26'	23°19'
S 23	2 3 4	28°56'48"	7 ^h 22'46	12°17'	12°20'	25°28'	2°17'	19° 2'	17°24'	19°R21	26°47'	8°10'	9°28'	13°32'	23°18'
S 24	2 7 1	29°56'34"	21°37'	12°38'	13°29'	25°D27	2°30'	18°57'	17°25'	19°21'	26°46'	8° 8'	9°25'	13°39'	23°18'
M25	2 10 57	0 ^h 56'23	5 ^h 21'55	13° 8'	14°38'	25°27'	2°42'	18°53'	17°27'	19°21'	26°45'	8° 4'	9°22'	13°46'	23°17'
T 26	2 14 54	1°56'12"	20°38'	13°47'	15°47'	25°28'	2°54'	18°48'	17°28'	19°21'	26°45'	7°59'	9°19'	13°52'	23°17'
W27	2 18 51	2°56'04"	5 ^h 21'39	14°35'	16°56'	25°30'	3° 6'	18°44'	17°30'	19°21'	26°44'	7°54'	9°16'	13°59'	23°16'
T 28	2 22 47	3°55'57"	20°50'	15°30'	18° 5'	25°32'	3°18'	18°39'	17°31'	19°20'	26°44'	7°49'	9°12'	14° 6'	23°16'
F 29	2 26 44	4°55'52"	6 ^h 3'3	16°32'	19°14'	25°36'	3°30'	18°35'	17°33'	19°20'	26°43'	7°45'	9° 9'	14°12'	23°15'
S 30	2 30 40	5°55'49"	21° 5'	17°40'	20°22'	25°40'	3°42'	18°30'	17°34'	19°20'	26°42'	7°43'	9° 6'	14°19'	23°15'
S 31	2 34 37	6 ^h 55'48	5 ^h 11'49	18°25'2	21°27'30	25°44'5	3°54'	18°V26	17 ^h 3'36	19°12'20	26°R42	7°D42	9°R 3	14°26'	23°15'

Delta T = 10.11 sec.

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SWISS EPHEMERIS for the year 1909

NOVEMBER 1909

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	2 38 33	7 ^h 55'50"	20 ^h 11' 9"	20 ^h 59' 9"	22 ^h 39' 39"	25 ^h 50' 50"	4 ^h 56' 6"	18 ^h 21' 17"	17 ^h 38' 38"	19 ^h 19' 19"	26 ^h 41' 41"	7 ^h 42' 42"	9 ^h 11' 0"	14 ^h 32' 32"	23 ^h 15' 15"
T 2	2 42 30	8 ^h 55'53"	4 ^h 52' 2"	21 ^h 30' 30"	23 ^h 47' 47"	25 ^h 56' 56"	4 ^h 18' 18"	18 ^h 17' 17"	17 ^h 39' 39"	19 ^h 19' 19"	26 ^h 41' 41"	7 ^h 43' 43"	8 ^h 56' 56"	14 ^h 39' 39"	23 ^h 14' 14"
W 3	2 46 26	9 ^h 55'59"	17 ^h 27' 27"	22 ^h 53' 53"	24 ^h 55' 55"	26 ^h 3' 3"	4 ^h 29' 29"	18 ^h 13' 13"	17 ^h 41' 41"	19 ^h 19' 19"	26 ^h 39' 39"	7 ^h 45' 45"	8 ^h 53' 53"	14 ^h 46' 46"	23 ^h 14' 14"
T 4	2 50 23	10 ^h 56'06"	0 ^h 52' 27"	24 ^h 20' 20"	26 ^h 3' 3"	26 ^h 11' 11"	4 ^h 41' 41"	18 ^h 9' 9"	17 ^h 43' 43"	19 ^h 18' 18"	26 ^h 39' 39"	7 ^h 46' 46"	8 ^h 50' 50"	14 ^h 53' 53"	23 ^h 14' 14"
F 5	2 54 20	11 ^h 56'16"	13 ^h 4' 4"	25 ^h 48' 48"	27 ^h 11' 11"	26 ^h 20' 20"	4 ^h 52' 52"	18 ^h 4' 4"	17 ^h 45' 45"	19 ^h 18' 18"	26 ^h 38' 38"	7 ^h 47' 47"	8 ^h 47' 47"	14 ^h 59' 59"	23 ^h 14' 14"
S 6	2 58 16	12 ^h 56'27"	25 ^h 24' 24"	27 ^h 18' 18"	28 ^h 18' 18"	26 ^h 29' 29"	5 ^h 4' 4"	18 ^h 0' 0"	17 ^h 47' 47"	19 ^h 18' 18"	26 ^h 37' 37"	7 ^h 46' 46"	8 ^h 44' 44"	15 ^h 6' 6"	23 ^h 15' 15"
S 7	3 2 13	13 ^h 56'41"	7 ^h 30' 30"	28 ^h 50' 50"	29 ^h 26' 26"	26 ^h 39' 39"	5 ^h 15' 15"	17 ^h 56' 56"	17 ^h 49' 49"	19 ^h 17' 17"	26 ^h 36' 36"	7 ^h 44' 44"	8 ^h 41' 41"	15 ^h 13' 13"	23 ^h 15' 15"
M 8	3 6 9	14 ^h 56'57"	19 ^h 28' 28"	0 ^h 52' 23"	0 ^h 33' 33"	26 ^h 49' 49"	5 ^h 27' 27"	17 ^h 52' 52"	17 ^h 51' 51"	19 ^h 17' 17"	26 ^h 35' 35"	7 ^h 41' 41"	8 ^h 37' 37"	15 ^h 19' 19"	23 ^h 15' 15"
T 9	3 10 6	15 ^h 57'14"	1 ^h 20' 10"	1 ^h 57' 57"	1 ^h 40' 40"	27 ^h 0' 0"	5 ^h 38' 38"	17 ^h 48' 48"	17 ^h 53' 53"	19 ^h 16' 16"	26 ^h 35' 35"	7 ^h 38' 38"	8 ^h 34' 34"	15 ^h 26' 26"	23 ^h 15' 15"
W 10	3 14 2	16 ^h 57'34"	13 ^h 10' 10"	3 ^h 31' 31"	2 ^h 47' 47"	27 ^h 12' 12"	5 ^h 49' 49"	17 ^h 44' 44"	17 ^h 55' 55"	19 ^h 15' 15"	26 ^h 34' 34"	7 ^h 34' 34"	8 ^h 31' 31"	15 ^h 33' 33"	23 ^h 16' 16"
T 11	3 17 59	17 ^h 57'55"	25 ^h 1' 1"	5 ^h 6' 6"	3 ^h 54' 54"	27 ^h 25' 25"	6 ^h 1' 1"	17 ^h 41' 41"	17 ^h 57' 57"	19 ^h 15' 15"	26 ^h 33' 33"	7 ^h 31' 31"	8 ^h 28' 28"	15 ^h 39' 39"	23 ^h 16' 16"
F 12	3 21 55	18 ^h 58'18"	6 ^h 55' 55"	6 ^h 42' 42"	5 ^h 1' 1"	27 ^h 38' 38"	6 ^h 12' 12"	17 ^h 37' 37"	17 ^h 59' 59"	19 ^h 14' 14"	26 ^h 32' 32"	7 ^h 28' 28"	8 ^h 25' 25"	15 ^h 46' 46"	23 ^h 17' 17"
S 13	3 25 52	19 ^h 58'43"	18 ^h 55' 55"	8 ^h 17' 17"	6 ^h 7' 7"	27 ^h 52' 52"	6 ^h 23' 23"	17 ^h 33' 33"	18 ^h 2' 2"	19 ^h 14' 14"	26 ^h 31' 31"	7 ^h 26' 26"	8 ^h 22' 22"	15 ^h 53' 53"	23 ^h 17' 17"
S 14	3 29 49	20 ^h 59'10"	1 ^h 2' 2"	9 ^h 53' 53"	7 ^h 14' 14"	28 ^h 6' 6"	6 ^h 34' 34"	17 ^h 30' 30"	18 ^h 4' 4"	19 ^h 13' 13"	26 ^h 30' 30"	7 ^h 25' 25"	8 ^h 18' 18"	16 ^h 0' 0"	23 ^h 18' 18"
M 15	3 33 45	21 ^h 59'38"	13 ^h 18' 18"	11 ^h 29' 29"	8 ^h 20' 20"	28 ^h 21' 21"	6 ^h 45' 45"	17 ^h 26' 26"	18 ^h 6' 6"	19 ^h 12' 12"	26 ^h 29' 29"	7 ^h 25' 25"	8 ^h 15' 15"	16 ^h 6' 6"	23 ^h 19' 19"
T 16	3 37 42	23 ^h 0'08"	25 ^h 44' 44"	13 ^h 5' 5"	9 ^h 26' 26"	28 ^h 36' 36"	6 ^h 55' 55"	17 ^h 23' 23"	18 ^h 9' 9"	19 ^h 11' 11"	26 ^h 28' 28"	7 ^h 26' 26"	8 ^h 12' 12"	16 ^h 13' 13"	23 ^h 19' 19"
W 17	3 41 38	24 ^h 0'39"	8 ^h 32' 22"	14 ^h 41' 41"	10 ^h 31' 31"	28 ^h 53' 53"	7 ^h 6' 6"	17 ^h 19' 19"	18 ^h 11' 11"	19 ^h 11' 11"	26 ^h 27' 27"	7 ^h 27' 27"	8 ^h 9' 9"	16 ^h 20' 20"	23 ^h 20' 20"
T 18	3 45 35	25 ^h 1'11"	21 ^h 14' 14"	16 ^h 17' 17"	11 ^h 37' 37"	29 ^h 9' 9"	7 ^h 17' 17"	17 ^h 16' 16"	18 ^h 13' 13"	19 ^h 10' 10"	26 ^h 26' 26"	7 ^h 28' 28"	8 ^h 6' 6"	16 ^h 26' 26"	23 ^h 21' 21"
F 19	3 49 31	26 ^h 1'45"	4 ^h 22' 22"	17 ^h 53' 53"	12 ^h 42' 42"	29 ^h 26' 26"	7 ^h 27' 27"	17 ^h 13' 13"	18 ^h 16' 16"	19 ^h 9' 9"	26 ^h 25' 25"	7 ^h 29' 29"	8 ^h 2' 2"	16 ^h 33' 33"	23 ^h 22' 22"
S 20	3 53 28	27 ^h 2'20"	17 ^h 48' 48"	19 ^h 29' 29"	13 ^h 47' 47"	29 ^h 44' 44"	7 ^h 38' 38"	17 ^h 10' 10"	18 ^h 18' 18"	19 ^h 8' 8"	26 ^h 24' 24"	7 ^h 30' 30"	7 ^h 59' 59"	16 ^h 40' 40"	23 ^h 23' 23"
S 21	3 57 25	28 ^h 2'57"	1 ^h 32' 32"	21 ^h 5' 5"	14 ^h 52' 52"	0 ^h 1' 2"	7 ^h 48' 48"	17 ^h 7' 7"	18 ^h 21' 21"	19 ^h 7' 7"	26 ^h 23' 23"	7 ^h 30' 30"	7 ^h 56' 56"	16 ^h 46' 46"	23 ^h 24' 24"
M 22	4 1 21	29 ^h 3'34"	15 ^h 37' 37"	22 ^h 40' 40"	15 ^h 56' 56"	0 ^h 21' 21"	7 ^h 59' 59"	17 ^h 4' 4"	18 ^h 24' 24"	19 ^h 6' 6"	26 ^h 22' 22"	7 ^h 29' 29"	7 ^h 53' 53"	16 ^h 53' 53"	23 ^h 25' 25"
T 23	4 5 18	0 ^h 2'41"	29 ^h 59' 59"	24 ^h 16' 16"	17 ^h 1' 1"	0 ^h 41' 41"	8 ^h 9' 9"	17 ^h 1' 1"	18 ^h 26' 26"	19 ^h 5' 5"	26 ^h 21' 21"	7 ^h 29' 29"	7 ^h 50' 50"	17 ^h 0' 0"	23 ^h 26' 26"
W 24	4 9 14	1 ^h 4'52"	14 ^h 1'37"	25 ^h 51' 51"	18 ^h 5' 5"	1 ^h 0' 0"	8 ^h 19' 19"	16 ^h 58' 58"	18 ^h 29' 29"	19 ^h 4' 4"	26 ^h 20' 20"	7 ^h 28' 28"	7 ^h 47' 47"	17 ^h 6' 6"	23 ^h 28' 28"
T 25	4 13 11	2 ^h 5'32"	29 ^h 25' 25"	27 ^h 26' 26"	19 ^h 8' 8"	1 ^h 21' 21"	8 ^h 29' 29"	16 ^h 56' 56"	18 ^h 32' 32"	19 ^h 3' 3"	26 ^h 19' 19"	7 ^h 27' 27"	7 ^h 43' 43"	17 ^h 13' 13"	23 ^h 29' 29"
F 26	4 17 7	3 ^h 6'14"	14 ^h 8'16"	29 ^h 1' 1"	20 ^h 12' 12"	1 ^h 41' 41"	8 ^h 39' 39"	16 ^h 53' 53"	18 ^h 34' 34"	19 ^h 2' 2"	26 ^h 18' 18"	7 ^h 27' 27"	7 ^h 40' 40"	17 ^h 20' 20"	23 ^h 30' 30"
S 27	4 21 4	4 ^h 6'57"	29 ^h 4' 4"	0 ^h 2'36"	21 ^h 15' 15"	2 ^h 2' 2"	8 ^h 49' 49"	16 ^h 51' 51"	18 ^h 37' 37"	19 ^h 1' 1"	26 ^h 17' 17"	7 ^h 27' 27"	7 ^h 37' 37"	17 ^h 27' 27"	23 ^h 32' 32"
S 28	4 25 0	5 ^h 7'41"	13 ^h 11'42"	2 ^h 10' 10"	22 ^h 18' 18"	2 ^h 24' 24"	8 ^h 58' 58"	16 ^h 48' 48"	18 ^h 40' 40"	19 ^h 0' 0"	26 ^h 16' 16"	7 ^h 27' 27"	7 ^h 34' 34"	17 ^h 33' 33"	23 ^h 33' 33"
M 29	4 28 57	6 ^h 8'27"	27 ^h 59' 59"	3 ^h 45' 45"	23 ^h 20' 20"	2 ^h 46' 46"	9 ^h 8' 8"	16 ^h 46' 46"	18 ^h 43' 43"	18 ^h 59' 59"	26 ^h 15' 15"	7 ^h 27' 27"	7 ^h 31' 31"	17 ^h 40' 40"	23 ^h 35' 35"
T 30	4 32 54	7 ^h 9'14"	11 ^h 55' 55"	5 ^h 21' 21"	24 ^h 22' 22"	3 ^h 1' 1"	9 ^h 17' 17"	16 ^h 1' 1"	18 ^h 45' 45"	18 ^h 58' 58"	26 ^h 14' 14"	7 ^h 27' 27"	7 ^h 31' 31"	17 ^h 47' 47"	23 ^h 36' 36"

Delta T = 10.22 sec.

DECEMBER 1909

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