

SWISS EPHEMERIS for the year 1946

JANUARY 1946

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 40 10	9°58'31	11°41	18°30	2°25	28°R17	24°49	22°R21	14°R27	8°36	11°R18	0°0	29°II28	16°M12	20°A10
W 2	6 44 6	10°59'41	23°47	19°45	3°40	27°55	24°56	22°16	14°II24	8°36	11°17	0°0	29°25	16°18	20°14
T 3	6 48 3	12° 0'52	6°34	21° 2	4°56	27°34	25° 2	22° 12	14°22	8°36	11°16	0°R 0	29°22	16°25	20°18
F 4	6 51 59	13° 2'03	18°34	22°20	6°11	27°12	25° 9	22° 7	14°20	8°37	11°14	0° 0	29°19	16°32	20°22
S 5	6 55 56	14° 3'14	1°16	23°40	7°27	26°49	25°16	22° 2	14°18	8°37	11°13	29°II58	29°16	16°38	20°25
S 6	6 59 53	15° 4'24	14°12	25° 1	8°42	26°27	25°22	21°57	14°16	8°37	11°12	29°56	29°13	16°45	20°29
M 7	7 3 49	16° 5'35	27°21	26°23	9°58	26° 3	25°28	21°52	14°14	8°37	11°11	29°54	29° 9	16°52	20°32
T 8	7 7 46	17° 6'44	10°44	27°46	11°13	25°40	25°34	21°47	14°12	8°37	11° 9	29°51	29° 6	16°58	20°35
W 9	7 11 42	18° 7'54	24°19	29°10	12°29	25°16	25°40	21°42	14°10	8°37	11° 8	29°49	29° 3	17° 5	20°38
T 10	7 15 39	19° 9'02	8°7 7	0°35	13°44	24°53	25°46	21°37	14° 8	8°R37	11° 7	29°48	29° 0	17°12	20°42
F 11	7 19 35	20°10'11	22° 6	2° 0	15° 0	24°29	25°52	21°32	14° 6	8°37	11° 6	29°D48	28°57	17°18	20°44
S 12	7 23 32	21°11'18	6°16	3°27	16°15	24° 5	25°57	21°27	14° 4	8°37	11° 4	29°48	28°54	17°25	20°47
S 13	7 27 28	22°12'25	20°34	4°54	17°31	23°41	26° 3	21°22	14° 2	8°37	11° 3	29°50	28°50	17°32	20°50
M14	7 31 25	23°13'32	4°II59	6°22	18°46	23°17	26° 8	21°17	14° 0	8°37	11° 2	29°51	28°47	17°38	20°53
T 15	7 35 22	24°14'38	19°27	7°50	20° 2	22°53	26°13	21°12	13°58	8°37	11° 0	29°52	28°44	17°45	20°55
W16	7 39 18	25°15'43	3°53	9°19	21°17	22°29	26°18	21° 8	13°57	8°37	10°59	29°R52	28°41	17°52	20°57
T 17	7 43 15	26°16'47	18°11	10°49	22°32	22° 5	26°22	21° 3	13°55	8°36	10°58	29°51	28°38	17°59	21° 0
F 18	7 47 11	27°17'51	2°18	12°19	23°48	21°42	26°27	20°58	13°53	8°36	10°56	29°49	28°34	18° 5	21° 2
S 19	7 51 8	28°18'55	16° 8	13°49	25° 3	21°18	26°31	20°53	13°52	8°36	10°55	29°45	28°31	18°12	21° 4
S 20	7 55 4	29°19'58	29°38	15°21	26°19	20°55	26°35	20°48	13°50	8°36	10°54	29°40	28°28	18°19	21° 6
M21	7 59 1	0°21'00	12°46	16°53	27°34	20°33	26°39	20°43	13°49	8°35	10°52	29°35	28°25	18°25	21° 7
T 22	8 2 57	1°22'02	25°33	18°25	28°49	20°11	26°43	20°38	13°47	8°35	10°51	29°30	28°22	18°32	21° 9
W23	8 6 54	2°23'03	8°0	19°58	0°5	19°49	26°47	20°33	13°46	8°34	10°50	29°26	28°19	18°39	21°11
T 24	8 10 51	3°24'04	20°10	21°32	1°20	19°27	26°50	20°29	13°44	8°34	10°48	29°24	28°15	18°45	21°12
F 25	8 14 47	4°25'04	2°9	23° 7	2°36	19° 7	26°54	20°24	13°43	8°33	10°47	29°D23	28°12	18°52	21°13
S 26	8 18 44	5°26'04	14° 1	24°41	3°51	18°46	26°57	20°19	13°41	8°33	10°45	29°23	28° 9	18°59	21°15
S 27	8 22 40	6°27'03	25°50	26°17	5° 6	18°26	27° 0	20°15	13°40	8°32	10°44	29°24	28° 6	19° 5	21°16
M28	8 26 37	7°28'02	7°42	27°53	6°22	18° 7	27° 3	20°10	13°39	8°32	10°43	29°26	28° 3	19°12	21°17
T 29	8 30 33	8°29'00	19°42	29°30	7°37	17°48	27° 5	20° 5	13°38	8°31	10°41	29°28	27°59	19°19	21°17
W30	8 34 30	9°29'57	1°35	1°8	8°52	17°30	27° 8	20° 1	13°37	8°31	10°40	29°R28	27°56	19°25	21°18
T 31	8 38 26	10°30'53	14°21	2°46	10°8	17°13	27°10	19°56	13°36	8°30	10°38	29°II27	27°II53	19°M32	21°A19

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	8 42 23	11°31'49	27°36	4°25	11°23	16°R56	27°12	19°R52	13°R35	8°R29	10°R37	29°R24	27°II50	19°M39	21°A19
S 2	8 46 20	12°32'43	10°9	6° 4	12°39	16°54	27°14	19°54	13°II34	8°28	10°36	29°II18	27°47	19°45	21°20
S 3	8 50 16	13°33'37	23°29	7°45	13°54	16°25	27°15	19°43	13°33	8°28	10°34	29°11	27°44	19°52	21°20
M 4	8 54 13	14°34'29	7°6	9°26	15° 9	16°11	27°17	19°39	13°32	8°27	10°33	29° 3	27°40	19°59	21°R20
T 5	8 58 9	15°35'20	20°55	11° 8	16°24	15°57	27°18	19°35	13°31	8°26	10°31	28°55	27°37	20° 5	21°20
W 6	9 2 6	16°36'09	4°53	12°50	17°40	15°44	27°19	19°31	13°30	8°25	10°30	28°48	27°34	20°12	21°20
T 7	9 6 2	17°36'57	18°57	14°34	18°55	15°32	27°20	19°27	13°29	8°24	10°29	28°43	27°31	20°19	21°19
F 8	9 9 59	18°37'44	3°5	16°18	20°10	15°21	27°21	19°23	13°29	8°23	10°27	28°40	27°28	20°25	21°19
S 9	9 13 55	19°38'29	17°12	18° 3	21°26	15°11	27°21	19°19	13°28	8°23	10°26	28°D38	27°25	20°32	21°19
S 10	9 17 52	20°39'12	1°II19	19°48	22°41	15° 1	27°22	19°15	13°27	8°22	10°24	28°39	27°21	20°39	21°18
M11	9 21 49	21°39'54	15°24	21°35	23°56	14°52	27°R22	19°11	13°27	8°21	10°23	28°40	27°18	20°45	21°17
T 12	9 25 45	22°40'34	29°26	23°22	25°11	14°44	27°22	19° 7	13°26	8°20	10°22	28°R40	27°15	20°52	21°16
W13	9 29 42	23°41'13	13°23	25°10	26°26	14°37	27°22	19° 4	13°26	8°18	10°20	28°39	27°12	20°59	21°15
T 14	9 33 38	24°41'50	27°14	26°59	27°42	14°30	27°21	19° 0	13°26	8°17	10°19	28°36	27° 9	21° 5	21°14
F 15	9 37 35	25°42'25	10°55	28°48	28°57	14°24	27°21	18°57	13°25	8°16	10°18	28°30	27° 5	21°12	21°13
S 16	9 41 31	26°42'59	24°25	0°38	0°12	14°20	27°20	18°53	13°25	8°15	10°16	28°22	27° 2	21°19	21°12
S 17	9 45 28	27°43'31	7°41	2°29	1°27	14°15	27°19	18°50	13°25	8°14	10°15	28°11	26°59	21°25	21°10
M18	9 49 24	28°44'02	20°40	4°20	2°42	14°12	27°18	18°47	13°25	8°13	10°14	28° 0	26°56	21°32	21° 9
T 19	9 53 21	29°44'31	3°21	6°12	3°57	14°10	27°16	18°44	13°25	8°12	10°12	27°49	26°53	21°39	21° 7
W20	9 57 18	0°44'59	15°47	8° 3	5°12	14° 8	27°15	18°41	13°25	8°10	10°11	27°39	26°50	21°45	21° 6
T 21	10 1 14	1°45'26	27°57	9°56	6°27	14° 7	27°13	18°38	13°D25	8° 9	10°10	27°32	26°46	21°52	21° 4
F 22	10 5 11	2°45'51	9°M56	11°48	7°43	14°D 6	27°11	18°35	13°25	8° 8	10° 8	27°27	26°43	21°59	21° 2
S 23	10 9 7	3°46'15	21°47	13°39	8°58	14° 7	27° 9	18°32	13°25	8° 7	10° 7	27°24	26°40	22° 5	21° 0
S 24	10 13 4	4°46'37	3°36	15°31	10°13	14° 8	27° 7	18°29	13°25	8° 5	10° 6	27°D23	26°37	22°12	20°58
M25	10 17 0	5°46'58	15°28	17°22	11°28	14°10	27° 4	18°27	13°25	8° 4	10° 5	27°23	26°34	22°19	20°55
T 26	10 20 57	6°47'18	27°28	19°11	12°43	14°13	27° 2	18°24	13°25	8° 3	10° 3	27°R24	26°31	22°25	20°53
W27	10 24 53	7°47'36	9°34	20°59	13°58	14°16	26°59	18°22	13°26	8° 1	10° 2	27°23	26°27	22°32	20°50
T 28	10 28 50	8°47'53	22°13	22°46	15°13	14°20	26°56	18°20	13°II26	8°0	10°1	27°II20	26°II24	22°M39	20°A48

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SWISS EPHEMERIS for the year 1946

MARCH 1946

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	10 32 47	9 ^h 48'08"	5 ^h 7'	24 ^h 30'	16 ^h 28'	14 ^h 25'	26 ^h 53'	18 ^h 18'	13 ^h 27'	7 ^h 59'	10 ^h 0'	27 ^h 15'	26 ^h 21'	22 ^h 45'	20 ^h 45'
S 2	10 36 43	10 ^h 48'22"	18 ^h 24'	26 ^h 12'	17 ^h 43'	14 ^h 30'	26 ^h 49'	18 ^h 16'	13 ^h 27'	7 ^h 57'	9 ^h 59'	27 ^h 11'	26 ^h 18'	22 ^h 52'	20 ^h 42'
S 3	10 40 40	11 ^h 48'33"	2 ^h 4'	27 ^h 50'	18 ^h 57'	14 ^h 36'	26 ^h 46'	18 ^h 14'	13 ^h 28'	7 ^h 56'	9 ^h 57'	26 ^h 57'	26 ^h 15'	22 ^h 59'	20 ^h 40'
M 4	10 44 36	12 ^h 48'43"	16 ^h 5'	29 ^h 24'	20 ^h 12'	14 ^h 43'	26 ^h 42'	18 ^h 12'	13 ^h 28'	7 ^h 54'	9 ^h 56'	26 ^h 45'	26 ^h 11'	23 ^h 5'	20 ^h 37'
T 5	10 48 33	13 ^h 48'51"	0 ^h 22'	0 ^h 22'	21 ^h 27'	14 ^h 50'	26 ^h 38'	18 ^h 10'	13 ^h 29'	7 ^h 53'	9 ^h 55'	26 ^h 33'	26 ^h 8'	23 ^h 12'	20 ^h 34'
W 6	10 52 29	14 ^h 48'58"	14 ^h 49'	2 ^h 19'	22 ^h 42'	14 ^h 58'	26 ^h 34'	18 ^h 8'	13 ^h 29'	7 ^h 51'	9 ^h 54'	26 ^h 22'	26 ^h 5'	23 ^h 19'	20 ^h 30'
T 7	10 56 26	15 ^h 49'02"	29 ^h 19'	3 ^h 39'	23 ^h 57'	15 ^h 7'	26 ^h 30'	18 ^h 7'	13 ^h 30'	7 ^h 50'	9 ^h 53'	26 ^h 13'	26 ^h 2'	23 ^h 25'	20 ^h 27'
F 8	11 0 22	16 ^h 49'04"	13 ^h 46'	4 ^h 52'	25 ^h 12'	15 ^h 16'	26 ^h 26'	18 ^h 5'	13 ^h 31'	7 ^h 48'	9 ^h 52'	26 ^h 7'	25 ^h 59'	23 ^h 32'	20 ^h 24'
S 9	11 4 19	17 ^h 49'04"	28 ^h 6'	5 ^h 59'	26 ^h 27'	15 ^h 25'	26 ^h 21'	18 ^h 4'	13 ^h 32'	7 ^h 47'	9 ^h 51'	26 ^h 4'	25 ^h 56'	23 ^h 39'	20 ^h 20'
S 10	11 8 16	18 ^h 49'02"	12 ^h 16'	6 ^h 59'	27 ^h 41'	15 ^h 36'	26 ^h 16'	18 ^h 3'	13 ^h 33'	7 ^h 45'	9 ^h 50'	26 ^h 3'	25 ^h 52'	23 ^h 45'	20 ^h 17'
M 11	11 12 12	19 ^h 48'57"	26 ^h 16'	7 ^h 52'	28 ^h 56'	15 ^h 47'	26 ^h 12'	18 ^h 2'	13 ^h 34'	7 ^h 44'	9 ^h 49'	26 ^h 3'	25 ^h 49'	23 ^h 52'	20 ^h 13'
T 12	11 16 9	20 ^h 48'51"	10 ^h 4'	8 ^h 36'	0 ^h 11'	15 ^h 58'	26 ^h 7'	18 ^h 1'	13 ^h 35'	7 ^h 42'	9 ^h 48'	26 ^h 3'	25 ^h 46'	23 ^h 59'	20 ^h 10'
W 13	11 20 5	21 ^h 48'42"	23 ^h 41'	9 ^h 12'	1 ^h 26'	16 ^h 10'	26 ^h 1'	18 ^h 0'	13 ^h 36'	7 ^h 41'	9 ^h 47'	26 ^h 1'	25 ^h 43'	24 ^h 5'	20 ^h 6'
T 14	11 24 2	22 ^h 48'31"	7 ^h 8'	9 ^h 40'	2 ^h 40'	16 ^h 23'	25 ^h 56'	17 ^h 59'	13 ^h 37'	7 ^h 39'	9 ^h 46'	25 ^h 56'	25 ^h 40'	24 ^h 12'	20 ^h 2'
F 15	11 27 58	23 ^h 48'18"	20 ^h 25'	10 ^h 0'	3 ^h 55'	16 ^h 36'	25 ^h 51'	17 ^h 59'	13 ^h 38'	7 ^h 37'	9 ^h 45'	25 ^h 48'	25 ^h 37'	24 ^h 19'	19 ^h 59'
S 16	11 31 55	24 ^h 48'02"	3 ^h 31'	10 ^h 11'	5 ^h 9'	16 ^h 49'	25 ^h 45'	17 ^h 58'	13 ^h 39'	7 ^h 36'	9 ^h 44'	25 ^h 38'	25 ^h 33'	24 ^h 25'	19 ^h 55'
S 17	11 35 51	25 ^h 47'45"	16 ^h 25'	10 ^h 13'	6 ^h 24'	17 ^h 3'	25 ^h 39'	17 ^h 58'	13 ^h 41'	7 ^h 34'	9 ^h 43'	25 ^h 25'	25 ^h 30'	24 ^h 32'	19 ^h 51'
M 18	11 39 48	26 ^h 47'25"	29 ^h 7'	10 ^h 7'	7 ^h 39'	17 ^h 18'	25 ^h 33'	17 ^h 57'	13 ^h 42'	7 ^h 33'	9 ^h 42'	25 ^h 11'	25 ^h 27'	24 ^h 39'	19 ^h 47'
T 19	11 43 45	27 ^h 47'03"	11 ^h 37'	9 ^h 54'	8 ^h 53'	17 ^h 33'	25 ^h 28'	17 ^h 57'	13 ^h 43'	7 ^h 31'	9 ^h 41'	24 ^h 58'	25 ^h 24'	24 ^h 45'	19 ^h 43'
W 20	11 47 41	28 ^h 46'40"	23 ^h 54'	9 ^h 32'	10 ^h 8'	17 ^h 48'	25 ^h 21'	17 ^h 57'	13 ^h 45'	7 ^h 29'	9 ^h 40'	24 ^h 45'	25 ^h 21'	24 ^h 52'	19 ^h 38'
T 21	11 51 38	29 ^h 46'15"	5 ^h 59'	9 ^h 4'	11 ^h 22'	18 ^h 4'	25 ^h 15'	17 ^h 57'	13 ^h 46'	7 ^h 28'	9 ^h 40'	24 ^h 35'	25 ^h 17'	24 ^h 59'	19 ^h 34'
F 22	11 55 34	0 ^h 45'47"	17 ^h 55'	8 ^h 29'	12 ^h 37'	18 ^h 20'	25 ^h 9'	17 ^h 57'	13 ^h 48'	7 ^h 26'	9 ^h 39'	24 ^h 28'	25 ^h 14'	25 ^h 5'	19 ^h 30'
S 23	11 59 31	1 ^h 45'18"	29 ^h 45'	7 ^h 49'	13 ^h 51'	18 ^h 37'	25 ^h 2'	17 ^h 57'	13 ^h 49'	7 ^h 25'	9 ^h 38'	24 ^h 23'	25 ^h 11'	25 ^h 12'	19 ^h 26'
S 24	12 3 27	2 ^h 44'48"	11 ^h 33'	7 ^h 4'	15 ^h 6'	18 ^h 54'	24 ^h 56'	17 ^h 58'	13 ^h 51'	7 ^h 23'	9 ^h 37'	24 ^h 21'	25 ^h 8'	25 ^h 19'	19 ^h 21'
M 25	12 7 24	3 ^h 44'15"	23 ^h 23'	6 ^h 16'	16 ^h 20'	19 ^h 12'	24 ^h 49'	17 ^h 58'	13 ^h 52'	7 ^h 21'	9 ^h 36'	24 ^h D20	25 ^h 5'	25 ^h 25'	19 ^h 17'
T 26	12 11 20	4 ^h 43'41"	5 ^h 22'	5 ^h 26'	17 ^h 34'	19 ^h 30'	24 ^h 42'	17 ^h 59'	13 ^h 54'	7 ^h 20'	9 ^h 36'	24 ^h R20	25 ^h 2'	25 ^h 32'	19 ^h 13'
W 27	12 15 17	5 ^h 43'05"	17 ^h 34'	4 ^h 34'	18 ^h 49'	19 ^h 48'	24 ^h 36'	17 ^h 59'	13 ^h 56'	7 ^h 18'	9 ^h 35'	24 ^h 20'	24 ^h 58'	25 ^h 39'	19 ^h 8'
T 28	12 19 14	6 ^h 42'27"	0 ^h 55'	3 ^h 42'	20 ^h 3'	20 ^h 7'	24 ^h 29'	18 ^h 0'	13 ^h 58'	7 ^h 16'	9 ^h 34'	24 ^h 18'	24 ^h 55'	25 ^h 45'	19 ^h 4'
F 29	12 23 10	7 ^h 41'47"	12 ^h 59'	2 ^h 50'	21 ^h 17'	20 ^h 26'	24 ^h 22'	18 ^h 1'	13 ^h 59'	7 ^h 15'	9 ^h 34'	24 ^h 14'	24 ^h 52'	25 ^h 52'	18 ^h 59'
S 30	12 27 7	8 ^h 41'06"	26 ^h 20'	2 ^h 1'	22 ^h 32'	20 ^h 45'	24 ^h 14'	18 ^h 2'	14 ^h 1'	7 ^h 13'	9 ^h 33'	24 ^h 7'	24 ^h 49'	25 ^h 59'	18 ^h 54'
S 31	12 31 3	9 ^h 40'22"	10 ^h 9'	1 ^h 14'	23 ^h 46'	21 ^h 55'	24 ^h 7'	18 ^h 3'	14 ^h 11'	7 ^h 11'	9 ^h 33'	23 ^h 57'	24 ^h 46'	26 ^h 5'	18 ^h 50'

Delta T = 27.36 sec.

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Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	12 35 0	10 ^Y 39'37	24 ^X 24	0 ^R 30	25 ^Y 0	21 [☾] 25	24 ^R 0	18 [☾] 4	14 ^{II} 5	7 ^R 10	9 ^R 32	23 ^R 46	24 ^{II} 42	26 ^{II} 12	18 ^R 45
T 2	12 38 56	11 [°] 38'50	9 ^Y 0	29 ^X 51	26 [°] 14	21 [°] 46	23 [☾] 53	18 [°] 6	14 [°] 7	7 [☾] 8	9 [☾] 31	23 ^{II} 35	24 [°] 39	26 [°] 19	18 [☾] 41
W 3	12 42 53	12 [°] 38'01	23 [°] 50	29 [°] 16	27 [°] 29	22 [°] 7	23 [°] 45	18 [°] 7	14 [°] 9	7 [°] 6	9 [°] 31	23 [°] 25	24 [°] 36	26 [°] 25	18 [°] 36
T 4	12 46 49	13 [°] 37'09	8 [☾] 45	28 [°] 46	28 [°] 43	22 [°] 28	23 [°] 38	18 [°] 9	14 [°] 11	7 [°] 5	9 [°] 30	23 [°] 17	24 [°] 33	26 [°] 32	18 [°] 31
F 5	12 50 46	14 [°] 36'16	23 [°] 36	28 [°] 21	29 [°] 57	22 [°] 50	23 [°] 30	18 [°] 10	14 [°] 13	7 [°] 3	9 [°] 30	23 [°] 11	24 [°] 30	26 [°] 39	18 [°] 27
S 6	12 54 42	15 [°] 35'20	8 ^{II} 17	28 [°] 2	1 [☾] 11	23 [°] 12	23 [°] 23	18 [°] 12	14 [°] 16	7 [°] 1	9 [°] 29	23 [°] 8	24 [°] 27	26 [°] 45	18 [°] 22
S 7	12 58 39	16 [°] 34'22	22 [°] 42	27 [°] 48	2 [°] 25	23 [°] 34	23 [°] 15	18 [°] 14	14 [°] 18	7 [°] 0	9 [°] 29	23 [°] D 7	24 [°] 23	26 [°] 52	18 [°] 17
M 8	13 2 36	17 [°] 33'22	6 [☾] 49	27 [°] 40	3 [°] 39	23 [°] 56	23 [°] 8	18 [°] 16	14 [°] 20	6 [°] 58	9 [°] 29	23 [°] 8	24 [°] 20	26 [°] 59	18 [°] 12
T 9	13 6 32	18 [°] 32'20	20 [°] 37	27 [°] D37	4 [°] 53	24 [°] 19	23 [°] 0	18 [°] 18	14 [°] 22	6 [°] 57	9 [°] 28	23 [°] R 8	24 [°] 17	27 [°] 5	18 [°] 8
W10	13 10 29	19 [°] 31'15	4 [☾] 7	27 [°] 40	6 [°] 7	24 [°] 42	22 [°] 52	18 [°] 20	14 [°] 25	6 [°] 55	9 [°] 28	23 [°] 7	24 [°] 14	27 [°] 12	18 [°] 3
T 11	13 14 25	20 [°] 30'08	17 [°] 22	27 [°] 47	7 [°] 21	25 [°] 5	22 [°] 45	18 [°] 23	14 [°] 27	6 [°] 53	9 [°] 28	23 [°] 4	24 [°] 11	27 [°] 19	17 [°] 58
F 12	13 18 22	21 [°] 28'58	0 ^{II} 21	28 [°] 0	8 [°] 35	25 [°] 29	22 [°] 37	18 [°] 25	14 [°] 29	6 [°] 52	9 [°] 27	22 [°] 58	24 [°] 8	27 [°] 25	17 [°] 54
S 13	13 22 18	22 [°] 27'46	13 [°] 8	28 [°] 18	9 [°] 49	25 [°] 53	22 [°] 29	18 [°] 28	14 [°] 32	6 [°] 50	9 [°] 27	22 [°] 50	24 [°] 4	27 [°] 32	17 [°] 49
S 14	13 26 15	23 [°] 26'32	25 [°] 44	28 [°] 40	11 [°] 3	26 [°] 17	22 [°] 22	18 [°] 30	14 [°] 34	6 [°] 49	9 [°] 27	22 [°] 41	24 [°] 1	27 [°] 39	17 [°] 44
M15	13 30 11	24 [°] 25'16	8 [☾] 8	29 [°] 7	12 [°] 16	26 [°] 41	22 [°] 14	18 [°] 33	14 [°] 37	6 [°] 47	9 [°] 27	22 [°] 30	23 [°] 58	27 [°] 45	17 [°] 39
T 16	13 34 8	25 [°] 23'58	20 [°] 23	29 [°] 39	13 [°] 30	27 [°] 6	22 [°] 6	18 [°] 36	14 [°] 40	6 [°] 45	9 [°] 27	22 [°] 19	23 [°] 55	27 [°] 52	17 [°] 35
W17	13 38 5	26 [°] 22'38	2 ^{II} 29	0 ^Y 14	14 [°] 44	27 [°] 31	21 [°] 59	18 [°] 39	14 [°] 42	6 [°] 44	9 [°] 26	22 [°] 9	23 [°] 52	27 [°] 59	17 [°] 30
T 18	13 42 1	27 [°] 21'16	14 [°] 27	0 [°] 53	15 [°] 58	27 [°] 56	21 [°] 51	18 [°] 42	14 [°] 45	6 [°] 42	9 [°] 26	22 [°] 1	23 [°] 48	28 [°] 5	17 [°] 26
F 19	13 45 58	28 [°] 19'52	26 [°] 19	1 [°] 36	17 [°] 11	28 [°] 21	21 [°] 43	18 [°] 45	14 [°] 47	6 [°] 41	9 [°] 26	21 [°] 56	23 [°] 45	28 [°] 12	17 [°] 21
S 20	13 49 54	29 [°] 18'26	8 [☾] 7	2 [°] 23	18 [°] 25	28 [°] 47	21 [°] 36	18 [°] 48	14 [°] 50	6 [°] 39	9 [°] 26	21 [°] 52	23 [°] 42	28 [°] 19	17 [°] 16
S 21	13 53 51	0 [☾] 16'59	19 [°] 54	3 [°] 13	19 [°] 39	29 [°] 13	21 [°] 28	18 [°] 51	14 [°] 53	6 [°] 38	9 [°] 26	21 [°] D51	23 [°] 39	28 [°] 25	17 [°] 12
M22	13 57 47	1 [°] 15'30	1 [☾] 45	4 [°] 6	20 [°] 52	29 [°] 39	21 [°] 21	18 [°] 55	14 [°] 56	6 [°] 36	9 [°] D26	21 [°] 52	23 [°] 36	28 [°] 32	17 [°] 7
T 23	14 1 44	2 [°] 14'00	13 [°] 43	5 [°] 2	22 [°] 6	0 [☾] 5	21 [°] 13	18 [°] 58	14 [°] 58	6 [°] 35	9 [°] 26	21 [°] 53	23 [°] 33	28 [°] 39	17 [°] 3
W24	14 5 40	3 [°] 12'27	25 [°] 55	6 [°] 2	23 [°] 19	0 [°] 31	21 [°] 6	19 [°] 2	15 [°] 1	6 [°] 34	9 [°] 26	21 [°] 54	23 [°] 29	28 [°] 45	16 [°] 59
T 25	14 9 37	4 [°] 10'53	8 [☾] 23	7 [°] 4	24 [°] 33	0 [°] 58	20 [°] 58	19 [°] 5	15 [°] 4	6 [°] 32	9 [°] 26	21 [°] R54	23 [°] 26	28 [°] 52	16 [°] 54
F 26	14 13 34	5 [°] 9'18	21 [°] 15	8 [°] 9	25 [°] 46	1 [°] 25	20 [°] 51	19 [°] 9	15 [°] 7	6 [°] 31	9 [°] 26	21 [°] 53	23 [°] 23	28 [°] 59	16 [°] 50
S 27	14 17 30	6 [°] 7'41	4 ^X 32	9 [°] 16	27 [°] 0	1 [°] 52	20 [°] 44	19 [°] 13	15 [°] 10	6 [°] 29	9 [°] 26	21 [°] 49	23 [°] 20	29 [°] 5	16 [°] 46
S 28	14 21 27	7 [°] 6'02	18 [°] 18	10 [°] 26	28 [°] 13	2 [°] 19	20 [°] 37	19 [°] 17	15 [°] 13	6 [°] 28	9 [°] 26	21 [°] 45	23 [°] 17	29 [°] 12	16 [°] 41
M29	14 25 23	8 [°] 4'22	2 ^Y 33	11 [°] 39	29 [°] 26	2 [°] 47	20 [°] 30	19 [°] 21	15 [°] 16	6 [°] 27	9 [°] 27	21 [°] 38	23 [°] 14	29 [°] 19	16 [°] 37
T 30	14 29 20	9 [☾] 2'40	17 ^Y 13	12 ^Y 54	0 ^{II} 40	3 [☾] 14	20 [☾] 23	19 [☾] 25	15 ^{II} 19	6 [☾] 25	9 [☾] 27	21 ^{II} 32	23 ^{II} 10	29 ^{II} 25	16 [☾] 33

SWISS EPHEMERIS for the year 1946

MAY 1946

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	14 33 16	10°05'56	28°11	14°11	11°53	3°04	20°16	19°29	15°22	6°24	9°27	21°26	23°11	29°32	16°29
T 2	14 37 13	10°59'11	17°20	15°30	3° 6	4°10	20°16	19°33	15°25	6°23	9°27	21°21	23° 4	29°39	16°25
F 3	14 41 9	11°57'24	2°12	16°52	4°20	4°38	20° 2	19°38	15°28	6°21	9°28	21°18	23° 1	29°45	16°21
S 4	14 45 6	12°55'35	17°29	18°16	5°33	5° 7	19°56	19°42	15°31	6°20	9°28	21°D16	22°58	29°52	16°17
S 5	14 49 3	13°53'45	28°12	19°42	6°46	5°35	19°49	19°47	15°34	6°19	9°28	21°17	22°54	29°59	16°13
M 6	14 52 59	14°51'52	16°34	21° 9	7°59	6° 4	19°43	19°52	15°37	6°18	9°29	21°18	22°51	0°27	16°10
T 7	14 56 56	15°49'58	0°02	22°39	9°12	6°33	19°36	19°56	15°40	6°16	9°29	21°19	22°48	0°12	16° 6
W 8	15 0 52	16°48'01	14° 6	24°12	10°25	7° 2	19°30	20° 1	15°44	6°15	9°29	21°R20	22°45	0°18	16° 2
T 9	15 4 49	17°46'03	27°19	25°46	11°38	7°31	19°24	20° 6	15°47	6°14	9°30	21°20	22°42	0°25	15°59
F 10	15 8 45	18°44'02	10°12	27°22	12°51	8° 0	19°18	20°11	15°50	6°13	9°30	21°18	22°39	0°32	15°56
S 11	15 12 42	19°42'00	22°49	29° 0	14° 4	8°30	19°12	20°16	15°53	6°12	9°31	21°15	22°35	0°38	15°52
S 12	15 16 38	20°39'56	5°11	0°40	15°17	8°59	19° 7	20°21	15°57	6°11	9°31	21°10	22°32	0°45	15°49
M13	15 20 35	21°37'50	17°23	2°22	16°30	9°29	19° 1	20°26	16° 0	6°10	9°32	21° 5	22°29	0°52	15°46
T 14	15 24 32	22°35'43	29°26	4° 6	17°43	9°59	18°56	20°31	16° 3	6° 9	9°32	21° 0	22°26	0°58	15°43
W15	15 28 28	23°33'34	11°22	5°52	18°56	10°29	18°50	20°37	16° 7	6° 8	9°33	20°56	22°23	1° 5	15°40
T 16	15 32 25	24°31'23	23°13	7°41	20° 8	10°59	18°45	20°42	16°10	6° 7	9°34	20°52	22°19	1°12	15°37
F 17	15 36 21	25°29'11	5°2	9°31	21°21	11°29	18°40	20°47	16°13	6° 6	9°34	20°50	22°16	1°18	15°34
S 18	15 40 18	26°26'58	16°50	11°23	22°34	12° 0	18°35	20°53	16°17	6° 5	9°35	20°D49	22°13	1°25	15°31
S 19	15 44 14	27°24'43	28°40	13°17	23°46	12°30	18°31	20°59	16°20	6° 4	9°36	20°49	22°10	1°32	15°28
M20	15 48 11	28°22'28	10°35	15°13	24°59	13° 1	18°26	21° 4	16°23	6° 3	9°36	20°50	22° 7	1°38	15°26
T 21	15 52 7	29°20'11	22°37	17°11	26°12	13°32	18°22	21°10	16°27	6° 2	9°37	20°52	22° 4	1°45	15°23
W22	15 56 4	0°11'52	4°52	19°11	27°24	14° 3	18°17	21°16	16°30	6° 1	9°38	20°53	22° 0	1°52	15°21
T 23	16 0 1	1°15'33	17°22	21°13	28°37	14°34	18°13	21°22	16°34	6° 1	9°39	20°54	21°57	1°58	15°19
F 24	16 3 57	2°13'13	0°12	23°17	29°49	15° 5	18° 9	21°28	16°37	6° 0	9°39	20°R55	21°54	2° 5	15°16
S 25	16 7 54	3°10'51	13°25	25°22	1°18	15°37	18° 6	21°34	16°41	5°59	9°40	20°55	21°51	2°12	15°14
S 26	16 11 50	4° 8'29	27° 3	27°29	2°14	16° 8	18° 2	21°40	16°44	5°58	9°41	20°54	21°48	2°18	15°12
M27	16 15 47	5° 6'06	11°9	29°37	3°26	16°40	17°59	21°46	16°48	5°58	9°42	20°52	21°45	2°25	15°10
T 28	16 19 43	6° 3'42	25°40	1°14	4°38	17°11	17°55	21°52	16°51	5°57	9°43	20°50	21°41	2°32	15° 9
W29	16 23 40	7° 1'17	10°32	3°57	5°51	17°43	17°52	21°58	16°55	5°56	9°44	20°49	21°38	2°38	15° 7
T 30	16 27 36	7°58'51	25°38	6° 8	7° 3	18°15	17°49	22° 4	16°58	5°56	9°45	20°47	21°35	2°45	15° 5
F 31	16 31 33	8°15'24	10°49	8°12	8°15	18°04	17°47	22°11	17°11	5°55	9°46	20°47	21°32	2°52	15° 4

Delta T = 27.44 sec.

JUNE 1946

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	16 35 30	9°15'53	25°15	10°12	9°27	19°19	17°R44	22°17	17°11	5°R55	9°47	20°D46	21°11	2°58	15°R 2
S 2	16 39 26	10°51'27	10°52	12°44	10°39	19°51	17°42	22°24	17° 9	5°54	9°48	20°11	21°25	3° 5	15° 1
M 3	16 43 23	11°48'57	25°26	14°56	11°51	20°24	17°40	22°30	17°12	5°54	9°49	20°48	21°22	3°11	15° 0
T 4	16 47 19	12°46'25	9°02	17° 7	13° 3	20°56	17°38	22°37	17°16	5°53	9°50	20°48	21°19	3°18	14°59
W 5	16 51 16	13°43'53	23°20	19°18	14°15	21°29	17°36	22°43	17°19	5°53	9°51	20°49	21°16	3°25	14°58
T 6	16 55 12	14°41'19	6°18	21°27	15°27	22° 1	17°34	22°50	17°23	5°52	9°52	20°49	21°13	3°31	14°57
F 7	16 59 9	15°38'43	19°32	23°35	16°39	22°34	17°33	22°56	17°27	5°52	9°53	20°R49	21°10	3°38	14°57
S 8	17 3 5	16°36'07	2°16	25°42	17°50	23° 7	17°31	23° 3	17°30	5°52	9°54	20°49	21° 6	3°45	14°56
S 9	17 7 2	17°33'30	14°23	27°47	19° 2	23°40	17°30	23°10	17°34	5°52	9°56	20°49	21° 3	3°51	14°55
M10	17 10 59	18°30'51	26°28	29°50	20°14	24°13	17°29	23°17	17°37	5°51	9°57	20°48	21° 0	3°58	14°55
T 11	17 14 55	19°28'12	8°12	18°51	21°25	24°46	17°28	23°24	17°41	5°51	9°58	20°48	20°57	4° 5	14°55
W12	17 18 52	20°25'31	20°15	3°50	22°37	25°19	17°28	23°31	17°44	5°51	9°59	20°D48	20°54	4°11	14°55
T 13	17 22 48	21°22'50	2°13	5°47	23°49	25°52	17°27	23°38	17°48	5°51	10° 0	20°48	20°51	4°18	14°D55
F 14	17 26 45	22°20'08	13°51	7°42	25° 0	26°26	17°27	23°45	17°51	5°51	10° 2	20°48	20°47	4°25	14°55
S 15	17 30 41	23°17'26	25°42	9°34	26°11	26°59	17°D27	23°52	17°55	5°50	10° 3	20°R48	20°44	4°31	14°55
S 16	17 34 38	24°14'42	7°39	11°24	27°23	27°33	17°27	23°59	17°58	5°50	10° 4	20°48	20°41	4°38	14°55
M17	17 38 34	25°11'59	19°42	13°12	28°34	28° 6	17°28	24° 6	18° 2	5°D50	10° 6	20°48	20°38	4°45	14°55
T 18	17 42 31	26° 9'14	1°55	14°57	29°45	28°40	17°28	24°13	18° 6	5°50	10° 7	20°47	20°35	4°51	14°56
W19	17 46 28	27° 6'30	14°19	16°40	0°56	29°14	17°29	24°20	18° 9	5°50	10° 8	20°46	20°31	4°58	14°57
T 20	17 50 24	28° 3'45	26°57	18°20	2° 7	29°48	17°30	24°27	18°13	5°51	10°10	20°46	20°28	5° 5	14°57
F 21	17 54 21	29° 1'00	9°12	19°58	3°18	0°12	17°31	24°35	18°16	5°51	10°11	20°45	20°25	5°11	14°58
S 22	17 58 17	29°58'14	23° 5	21°34	4°29	0°56	17°32	24°42	18°20	5°51	10°13	20°44	20°22	5°18	14°59
S 23	18 2 14	0°55'29	6°13	23° 7	5°40	1°30	17°33	24°49	18°23	5°51	10°14	20°D44	20°19	5°25	15° 0
M24	18 6 10	1°52'43	20°34	24°38	6°51	2° 4	17°35	24°57	18°27	5°51	10°15	20°45	20°16	5°31	15° 1
T 25	18 10 7	2°49'58	4°50	26° 6	8° 2	2°39	17°36	25° 4	18°30	5°51	10°17	20°46	20°12	5°38	15° 3
W26	18 14 3	3°47'12	19°26	27°32	9°13	3°13	17°38	25°11	18°34	5°52	10°18	20°47	20° 9	5°44	15° 4
T 27	18 18 0	4°44'27	4°16	28°55	10°23	3°48	17°40	25°19	18°37	5°52	10°20	20°47	20° 6	5°51	15° 6
F 28	18 21 57	5°41'41	19°16	0°16	11°34	4°22	17°43	25°26	18°40	5°52	10°21	20°R48	20° 3	5°58	15° 7
S 29	18 25 53	6°38'55	4°16	1°34	12°45	4°57	17°45	25°34	18°44	5°53	10°23	20°48	20° 0	6° 4	15° 9
S 30	18 29 50	7°36'09	19° 8	2°50	13°55	5°12	17°48	25°41	18°47	5°53	10°24	20°46	19°11	6°11	15°11

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SWISS EPHEMERIS for the year 1946

JULY 1946

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	18 33 46	8 ²³ 33'23	3 ⁰ 45	4 ⁰ 2	15 ⁰ 5	6 ⁰ 6	17 ⁰ 50	25 ⁰ 49	18 ⁰ 51	5 ⁰ 53	10 ⁰ 26	20 ⁰ R45	19 ⁰ II53	6 ⁰ 18	15 ⁰ 13
T 2	18 37 43	9 ⁰ 30'37	18 ⁰ 1	5 ⁰ 12	16 ⁰ 16	6 ⁰ 41	17 ⁰ 53	25 ⁰ 56	18 ⁰ 54	5 ⁰ 54	10 ⁰ 27	20 ⁰ II42	19 ⁰ 50	6 ⁰ 24	15 ⁰ 15
W 3	18 41 39	10 ⁰ 27'50	1 ⁰ 51	6 ⁰ 20	17 ⁰ 26	7 ⁰ 16	17 ⁰ 57	26 ⁰ 4	18 ⁰ 57	5 ⁰ 54	10 ⁰ 29	20 ⁰ 40	19 ⁰ 47	6 ⁰ 31	15 ⁰ 17
T 4	18 45 36	11 ⁰ 25'03	15 ⁰ 15	7 ⁰ 24	18 ⁰ 36	7 ⁰ 51	18 ⁰ 0	26 ⁰ 11	19 ⁰ 1	5 ⁰ 55	10 ⁰ 31	20 ⁰ 37	19 ⁰ 44	6 ⁰ 38	15 ⁰ 19
F 5	18 49 33	12 ⁰ 22'16	28 ⁰ 13	8 ⁰ 25	19 ⁰ 46	8 ⁰ 26	18 ⁰ 3	26 ⁰ 19	19 ⁰ 4	5 ⁰ 55	10 ⁰ 32	20 ⁰ 36	19 ⁰ 41	6 ⁰ 44	15 ⁰ 22
S 6	18 53 29	13 ⁰ 19'28	10 ⁰ 49	9 ⁰ 23	20 ⁰ 56	9 ⁰ 2	18 ⁰ 7	26 ⁰ 27	19 ⁰ 7	5 ⁰ 56	10 ⁰ 34	20 ⁰ D35	19 ⁰ 37	6 ⁰ 51	15 ⁰ 24
S 7	18 57 26	14 ⁰ 16'40	23 ⁰ 6	10 ⁰ 18	22 ⁰ 6	9 ⁰ 37	18 ⁰ 11	26 ⁰ 34	19 ⁰ 11	5 ⁰ 57	10 ⁰ 35	20 ⁰ 35	19 ⁰ 34	6 ⁰ 58	15 ⁰ 27
M 8	19 1 22	15 ⁰ 13'52	5 ⁰ 11	11 ⁰ 9	23 ⁰ 16	10 ⁰ 12	18 ⁰ 15	26 ⁰ 42	19 ⁰ 14	5 ⁰ 57	10 ⁰ 37	20 ⁰ 37	19 ⁰ 31	7 ⁰ 4	15 ⁰ 29
T 9	19 5 19	16 ⁰ 11'04	17 ⁰ 3	11 ⁰ 58	24 ⁰ 26	10 ⁰ 48	18 ⁰ 19	26 ⁰ 50	19 ⁰ 17	5 ⁰ 58	10 ⁰ 39	20 ⁰ 38	19 ⁰ 28	7 ⁰ 11	15 ⁰ 32
W10	19 9 15	17 ⁰ 8'16	28 ⁰ 51	12 ⁰ 42	25 ⁰ 36	11 ⁰ 23	18 ⁰ 23	26 ⁰ 57	19 ⁰ 21	5 ⁰ 59	10 ⁰ 40	20 ⁰ 40	19 ⁰ 25	7 ⁰ 18	15 ⁰ 35
T 11	19 13 12	18 ⁰ 5'28	10 ⁰ 13	13 ⁰ 23	26 ⁰ 45	11 ⁰ 59	18 ⁰ 27	27 ⁰ 5	19 ⁰ 24	5 ⁰ 59	10 ⁰ 42	20 ⁰ 41	19 ⁰ 22	7 ⁰ 24	15 ⁰ 38
F 12	19 17 8	19 ⁰ 2'40	22 ⁰ 30	14 ⁰ 0	27 ⁰ 55	12 ⁰ 34	18 ⁰ 32	27 ⁰ 13	19 ⁰ 27	6 ⁰ 0	10 ⁰ 44	20 ⁰ R41	19 ⁰ 18	7 ⁰ 31	15 ⁰ 41
S 13	19 21 5	19 ⁰ 59'52	4 ⁰ 27	14 ⁰ 33	29 ⁰ 4	13 ⁰ 10	18 ⁰ 37	27 ⁰ 20	19 ⁰ 30	6 ⁰ 1	10 ⁰ 45	20 ⁰ 41	19 ⁰ 15	7 ⁰ 38	15 ⁰ 44
S 14	19 25 2	20 ⁰ 57'04	16 ⁰ 33	15 ⁰ 2	0 ⁰ 13	13 ⁰ 46	18 ⁰ 41	27 ⁰ 28	19 ⁰ 33	6 ⁰ 2	10 ⁰ 47	20 ⁰ 38	19 ⁰ 12	7 ⁰ 44	15 ⁰ 48
M15	19 28 58	21 ⁰ 54'17	28 ⁰ 49	15 ⁰ 27	1 ⁰ 23	14 ⁰ 22	18 ⁰ 47	27 ⁰ 36	19 ⁰ 36	6 ⁰ 3	10 ⁰ 49	20 ⁰ 35	19 ⁰ 9	7 ⁰ 51	15 ⁰ 51
T 16	19 32 55	22 ⁰ 51'29	11 ⁰ 18	15 ⁰ 47	2 ⁰ 32	14 ⁰ 57	18 ⁰ 52	27 ⁰ 44	19 ⁰ 40	6 ⁰ 4	10 ⁰ 50	20 ⁰ 30	19 ⁰ 6	7 ⁰ 57	15 ⁰ 55
W17	19 36 51	23 ⁰ 48'43	23 ⁰ 59	16 ⁰ 3	3 ⁰ 41	15 ⁰ 33	18 ⁰ 57	27 ⁰ 51	19 ⁰ 43	6 ⁰ 4	10 ⁰ 52	20 ⁰ 25	19 ⁰ 3	8 ⁰ 4	15 ⁰ 58
T 18	19 40 48	24 ⁰ 45'56	6 ⁰ 53	16 ⁰ 14	4 ⁰ 50	16 ⁰ 9	19 ⁰ 3	27 ⁰ 59	19 ⁰ 46	6 ⁰ 5	10 ⁰ 54	20 ⁰ 19	18 ⁰ 59	8 ⁰ 11	16 ⁰ 2
F 19	19 44 44	25 ⁰ 43'11	20 ⁰ 1	16 ⁰ 20	5 ⁰ 58	16 ⁰ 45	19 ⁰ 8	28 ⁰ 7	19 ⁰ 49	6 ⁰ 6	10 ⁰ 56	20 ⁰ 14	18 ⁰ 56	8 ⁰ 17	16 ⁰ 6
S 20	19 48 41	26 ⁰ 40'26	3 ⁰ 22	16 ⁰ R21	7 ⁰ 7	17 ⁰ 22	19 ⁰ 14	28 ⁰ 15	19 ⁰ 52	6 ⁰ 7	10 ⁰ 57	20 ⁰ 11	18 ⁰ 53	8 ⁰ 24	16 ⁰ 10
S 21	19 52 37	27 ⁰ 37'42	16 ⁰ 59	16 ⁰ 18	8 ⁰ 16	17 ⁰ 58	19 ⁰ 20	28 ⁰ 22	19 ⁰ 55	6 ⁰ 8	10 ⁰ 59	20 ⁰ 9	18 ⁰ 50	8 ⁰ 31	16 ⁰ 14
M22	19 56 34	28 ⁰ 34'58	0 ⁰ 49	16 ⁰ 9	9 ⁰ 24	18 ⁰ 34	19 ⁰ 26	28 ⁰ 30	19 ⁰ 58	6 ⁰ 9	11 ⁰ 1	20 ⁰ D 8	18 ⁰ 47	8 ⁰ 37	16 ⁰ 18
T 23	20 0 31	29 ⁰ 32'16	14 ⁰ 54	15 ⁰ 56	10 ⁰ 33	19 ⁰ 11	19 ⁰ 32	28 ⁰ 38	20 ⁰ 1	6 ⁰ 11	11 ⁰ 3	20 ⁰ 9	18 ⁰ 43	8 ⁰ 44	16 ⁰ 22
W24	20 4 27	0 ⁰ 29'34	29 ⁰ 13	15 ⁰ 38	11 ⁰ 41	19 ⁰ 47	19 ⁰ 38	28 ⁰ 46	20 ⁰ 4	6 ⁰ 12	11 ⁰ 4	20 ⁰ 10	18 ⁰ 40	8 ⁰ 51	16 ⁰ 26
T 25	20 8 24	1 ⁰ 26'54	13 ⁰ II43	15 ⁰ 15	12 ⁰ 49	20 ⁰ 24	19 ⁰ 45	28 ⁰ 53	20 ⁰ 6	6 ⁰ 13	11 ⁰ 6	20 ⁰ R11	18 ⁰ 37	8 ⁰ 57	16 ⁰ 31
F 26	20 12 20	2 ⁰ 24'14	28 ⁰ 20	14 ⁰ 48	13 ⁰ 57	21 ⁰ 0	19 ⁰ 51	29 ⁰ 1	20 ⁰ 9	6 ⁰ 14	11 ⁰ 8	20 ⁰ 11	18 ⁰ 34	9 ⁰ 4	16 ⁰ 35
S 27	20 16 17	3 ⁰ 21'35	13 ⁰ 0	14 ⁰ 17	15 ⁰ 5	21 ⁰ 37	19 ⁰ 58	29 ⁰ 9	20 ⁰ 12	6 ⁰ 15	11 ⁰ 10	20 ⁰ 9	18 ⁰ 31	9 ⁰ 11	16 ⁰ 40
S 28	20 20 13	4 ⁰ 18'58	27 ⁰ 37	13 ⁰ 41	16 ⁰ 13	22 ⁰ 13	20 ⁰ 5	29 ⁰ 17	20 ⁰ 15	6 ⁰ 16	11 ⁰ 11	20 ⁰ 5	18 ⁰ 28	9 ⁰ 17	16 ⁰ 45
M29	20 24 10	5 ⁰ 16'20	12 ⁰ 3	13 ⁰ 3	17 ⁰ 21	22 ⁰ 50	20 ⁰ 12	29 ⁰ 24	20 ⁰ 18	6 ⁰ 18	11 ⁰ 13	20 ⁰ 0	18 ⁰ 24	9 ⁰ 24	16 ⁰ 49
T 30	20 28 6	6 ⁰ 13'44	26 ⁰ 12	12 ⁰ 22	18 ⁰ 28	23 ⁰ 27	20 ⁰ 19	29 ⁰ 32	20 ⁰ 20	6 ⁰ 19	11 ⁰ 15	19 ⁰ 53	18 ⁰ 21	9 ⁰ 31	16 ⁰ 54
W31	20 32 3	7 ⁰ 11'08	10 ⁰ 0	11 ⁰ 39	19 ⁰ 36	24 ⁰ 4	20 ⁰ 27	29 ⁰ 40	20 ⁰ II23	6 ⁰ 20	11 ⁰ 17	19 ⁰ II45	18 ⁰ II18	9 ⁰ 37	16 ⁰ 59

Delta T = 27.53 sec.

AUGUST 1946

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	20 36 0	8♂ 8'33	23♂25	10°R54	20♂43	24♂41	20♂34	29♂48	20♂26	6♂22	11♂18	19°R38	18♂15	9♂44	17♂4
F 2	20 39 56	9° 5'58	6♂25	10♂ 8	21°50	25°18	20°41	29°55	20°28	6°23	11°20	19♂32	18°12	9°50	17° 9
S 3	20 43 53	10° 3'24	19° 2	9°23	22°57	25°55	20°49	0♂ 3	20°31	6°24	11°22	19°28	18° 9	9°57	17°14
S 4	20 47 49	11° 0'51	1♂20	8°39	24° 4	26°32	20°57	0°11	20°34	6°26	11°24	19°25	18° 5	10° 4	17°20
M 5	20 51 46	11°58'18	13°23	7°57	25°11	27°10	21° 5	0°18	20°36	6°27	11°26	19°D25	18° 2	10°10	17°25
T 6	20 55 42	12°55'46	25°16	7°17	26°18	27°47	21°13	0°26	20°39	6°29	11°27	19°26	17°59	10°17	17°31
W 7	20 59 39	13°53'15	7♂ 5	6°41	27°24	28°24	21°21	0°34	20°41	6°30	11°29	19°27	17°56	10°24	17°36
T 8	21 3 35	14°50'45	18°54	6° 9	28°30	29° 2	21°29	0°41	20°43	6°32	11°31	19°R27	17°53	10°30	17°42
F 9	21 7 32	15°48'16	0♂48	5°42	29°36	29°39	21°38	0°49	20°46	6°33	11°33	19°26	17°49	10°37	17°47
S 10	21 11 29	16°45'47	12°52	5°20	0♂42	0♂17	21°46	0°56	20°48	6°35	11°34	19°24	17°46	10°44	17°53
S 11	21 15 25	17°43'20	25° 8	5° 5	1°48	0°54	21°55	1° 4	20°51	6°36	11°36	19°19	17°43	10°50	17°59
M12	21 19 22	18°40'53	7♂39	4°55	2°54	1°32	22° 3	1°12	20°53	6°38	11°38	19°11	17°40	10°57	18° 5
T 13	21 23 18	19°38'28	20°25	4°D53	3°59	2°10	22°12	1°19	20°55	6°40	11°40	19° 2	17°37	11° 4	18°11
W14	21 27 15	20°36'04	3♂27	4°57	5° 4	2°48	22°21	1°27	20°57	6°41	11°42	18°52	17°34	11°10	18°17
T 15	21 31 11	21°33'41	16°44	5° 9	6° 9	3°25	22°30	1°34	20°59	6°43	11°43	18°42	17°30	11°17	18°23
F 16	21 35 8	22°31'19	0♂Y13	5°27	7°14	4° 3	22°39	1°41	21° 1	6°45	11°45	18°32	17°27	11°23	18°29
S 17	21 39 4	23°28'59	13°53	5°54	8°19	4°41	22°49	1°49	21° 3	6°46	11°47	18°25	17°24	11°30	18°36
S 18	21 43 1	24°26'40	27°42	6°27	9°23	5°19	22°58	1°56	21° 6	6°48	11°49	18°19	17°21	11°37	18°42
M19	21 46 58	25°24'23	11♂38	7° 8	10°28	5°58	23° 7	2° 4	21° 7	6°50	11°50	18°17	17°18	11°43	18°48
T 20	21 50 54	26°22'08	25°40	7°55	11°32	6°36	23°17	2°11	21° 9	6°52	11°52	18°D16	17°15	11°50	18°55
W21	21 54 51	27°19'55	9♂48	8°50	12°35	7°14	23°27	2°18	21°11	6°54	11°54	18°16	17°11	11°57	19° 1
T 22	21 58 47	28°17'43	24° 0	9°52	13°39	7°52	23°36	2°25	21°13	6°55	11°56	18°R16	17° 8	12° 3	19° 8
F 23	22 2 44	29°15'33	8♂15	10°59	14°42	8°31	23°46	2°33	21°15	6°57	11°57	18°15	17° 5	12°10	19°15
S 24	22 6 40	0♂13'25	22°31	12°13	15°45	9° 9	23°56	2°40	21°17	6°59	11°59	18°11	17° 2	12°17	19°21
S 25	22 10 37	1°11'18	6♂43	13°33	16°48	9°48	24° 6	2°47	21°18	7° 1	12° 1	18° 5	16°59	12°23	19°28
M26	22 14 33	2° 9'13	20°47	14°59	17°51	10°26	24°16	2°54	21°20	7° 3	12° 2	17°56	16°55	12°30	19°35
T 27	22 18 30	3° 7'09	4♂39	16°29	18°53	11° 5	24°26	3° 1	21°22	7° 5	12° 4	17°45	16°52	12°37	19°42
W28	22 22 27	4° 5'07	18°14	18° 4	19°55	11°44	24°37	3° 8	21°23	7° 7	12° 6	17°33	16°49	12°43	19°49
T 29	22 26 23	5° 3'06	1♂30	19°42	20°57	12°22	24°47	3°15	21°25	7° 9	12° 7	17°21	16°46	12°50	19°56
F 30	22 30 20	6° 1'07	14°25	21°25	21°59	13° 1	24°58	3°22	21°26	7°11	12° 9	17°11	16°43	12°57	20° 3
S 31	22 34 16	6♂59'09	27♂ 0	23♂11	23♂ 0	13♂40	25♂ 8	3♂29	21♂28	7♂13	12♂11	17♂ 3	16♂40	13♂ 3	20♂10

SWISS EPHEMERIS for the year 1946

SEPTEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 38 13	7 ^h 57'13	9 ^m 17	24 ^s 59	24 ^s 1	14 ^s 19	25 ^s 19	3 ^s 36	21 ^s 29	7 ^s 15	12 ^s 12	16 ^s 58	16 ^s 36	13 ^s 10	20 ^s 18
M 2	22 42 9	8 ^h 55'18	21 ^m 19	26 ^s 50	25 ^s 1	14 ^s 58	25 ^s 29	3 ^s 43	21 ^s 31	7 ^s 17	12 ^s 14	16 ^s 55	16 ^s 33	13 ^s 16	20 ^s 25
T 3	22 46 6	9 ^h 53'25	3 ^m 12	28 ^s 42	26 ^s 2	15 ^s 37	25 ^s 40	3 ^s 50	21 ^s 32	7 ^s 19	12 ^s 16	16 ^s 54	16 ^s 30	13 ^s 23	20 ^s 32
W 4	22 50 2	10 ^h 51'33	15 ^m 0	0 ^s 36	27 ^s 2	16 ^s 16	25 ^s 51	3 ^s 57	21 ^s 33	7 ^s 21	12 ^s 17	16 ^s 54	16 ^s 27	13 ^s 30	20 ^s 40
T 5	22 53 59	11 ^h 49'42	26 ^m 50	2 ^s 30	28 ^s 1	16 ^s 56	26 ^s 2	4 ^s 3	21 ^s 34	7 ^s 23	12 ^s 19	16 ^s 53	16 ^s 24	13 ^s 36	20 ^s 47
F 6	22 57 56	12 ^h 47'53	8 ^m 34	4 ^s 26	29 ^s 0	17 ^s 35	26 ^s 13	4 ^s 10	21 ^s 35	7 ^s 25	12 ^s 20	16 ^s 52	16 ^s 21	13 ^s 43	20 ^s 55
S 7	23 1 52	13 ^h 46'06	20 ^m 54	6 ^s 22	29 ^s 59	18 ^s 14	26 ^s 24	4 ^s 17	21 ^s 37	7 ^s 27	12 ^s 22	16 ^s 49	16 ^s 17	13 ^s 50	21 ^s 2
S 8	23 5 49	14 ^h 44'20	3 ^m 17	8 ^s 18	0 ^s 58	18 ^s 53	26 ^s 35	4 ^s 23	21 ^s 38	7 ^s 29	12 ^s 24	16 ^s 42	16 ^s 14	13 ^s 56	21 ^s 10
M 9	23 9 45	15 ^h 42'35	15 ^m 59	10 ^s 13	1 ^s 56	19 ^s 33	26 ^s 47	4 ^s 30	21 ^s 39	7 ^s 31	12 ^s 25	16 ^s 34	16 ^s 11	14 ^s 3	21 ^s 17
T 10	23 13 42	16 ^h 40'52	29 ^m 2	12 ^s 9	2 ^s 54	20 ^s 12	26 ^s 58	4 ^s 36	21 ^s 40	7 ^s 33	12 ^s 27	16 ^s 23	16 ^s 8	14 ^s 10	21 ^s 25
W 11	23 17 38	17 ^h 39'11	12 ^m 24	14 ^s 4	3 ^s 51	20 ^s 52	27 ^s 9	4 ^s 43	21 ^s 40	7 ^s 35	12 ^s 28	16 ^s 11	16 ^s 5	14 ^s 16	21 ^s 33
T 12	23 21 35	18 ^h 37'32	26 ^m 4	15 ^s 58	4 ^s 48	21 ^s 32	27 ^s 21	4 ^s 49	21 ^s 41	7 ^s 37	12 ^s 30	15 ^s 58	16 ^s 1	14 ^s 23	21 ^s 41
F 13	23 25 31	19 ^h 35'54	9 ^m 59	17 ^s 52	5 ^s 44	22 ^s 11	27 ^s 32	4 ^s 55	21 ^s 42	7 ^s 39	12 ^s 31	15 ^s 47	15 ^s 58	14 ^s 30	21 ^s 48
S 14	23 29 28	20 ^h 34'19	24 ^m 4	19 ^s 45	6 ^s 40	22 ^s 51	27 ^s 44	5 ^s 1	21 ^s 43	7 ^s 42	12 ^s 33	15 ^s 38	15 ^s 55	14 ^s 36	21 ^s 56
S 15	23 33 24	21 ^h 32'45	8 ^m 15	21 ^s 36	7 ^s 35	23 ^s 31	27 ^s 55	5 ^s 8	21 ^s 44	7 ^s 44	12 ^s 34	15 ^s 31	15 ^s 52	14 ^s 43	22 ^s 4
M 16	23 37 21	22 ^h 31'14	22 ^m 27	23 ^s 28	8 ^s 30	24 ^s 11	28 ^s 7	5 ^s 14	21 ^s 44	7 ^s 46	12 ^s 35	15 ^s 28	15 ^s 49	14 ^s 49	22 ^s 12
T 17	23 41 18	23 ^h 29'45	6 ^m 11	25 ^s 18	9 ^s 24	24 ^s 51	28 ^s 19	5 ^s 20	21 ^s 45	7 ^s 48	12 ^s 37	15 ^s 26	15 ^s 46	14 ^s 56	22 ^s 20
W 18	23 45 14	24 ^h 28'18	20 ^m 37	27 ^s 7	10 ^s 18	25 ^s 31	28 ^s 31	5 ^s 26	21 ^s 45	7 ^s 50	12 ^s 38	15 ^s 26	15 ^s 42	15 ^s 3	22 ^s 28
T 19	23 49 11	25 ^h 26'53	4 ^m 52	28 ^s 55	11 ^s 11	26 ^s 11	28 ^s 42	5 ^s 32	21 ^s 46	7 ^s 52	12 ^s 40	15 ^s 26	15 ^s 39	15 ^s 9	22 ^s 36
F 20	23 53 7	26 ^h 25'31	18 ^m 52	0 ^s 42	12 ^s 4	26 ^s 51	28 ^s 54	5 ^s 38	21 ^s 46	7 ^s 55	12 ^s 41	15 ^s 25	15 ^s 36	15 ^s 16	22 ^s 44
S 21	23 57 4	27 ^h 24'11	2 ^m 46	2 ^s 28	12 ^s 56	27 ^s 31	29 ^s 6	5 ^s 43	21 ^s 47	7 ^s 57	12 ^s 42	15 ^s 21	15 ^s 33	15 ^s 23	22 ^s 52
S 22	0 1 0	28 ^h 22'53	16 ^m 34	4 ^s 13	13 ^s 47	28 ^s 11	29 ^s 18	5 ^s 49	21 ^s 47	7 ^s 59	12 ^s 44	15 ^s 14	15 ^s 30	15 ^s 29	23 ^s 1
M 23	0 4 57	29 ^h 21'37	0 ^m 12	5 ^s 57	14 ^s 38	28 ^s 52	29 ^s 30	5 ^s 55	21 ^s 47	8 ^s 1	12 ^s 45	15 ^s 5	15 ^s 26	15 ^s 36	23 ^s 9
T 24	0 8 54	0 ^h 20'23	13 ^m 40	7 ^s 41	15 ^s 28	29 ^s 32	29 ^s 43	6 ^s 0	21 ^s 48	8 ^s 3	12 ^s 46	14 ^s 53	15 ^s 23	15 ^s 43	23 ^s 17
W 25	0 12 50	1 ^h 19'11	26 ^m 55	9 ^s 23	16 ^s 18	0 ^s 13	29 ^s 55	6 ^s 6	21 ^s 48	8 ^s 6	12 ^s 48	14 ^s 41	15 ^s 20	15 ^s 49	23 ^s 25
T 26	0 16 47	2 ^h 18'02	9 ^m 54	11 ^s 4	17 ^s 6	0 ^s 53	0 ^s 11	6 ^s 11	21 ^s 48	8 ^s 8	12 ^s 49	14 ^s 29	15 ^s 17	15 ^s 56	23 ^s 33
F 27	0 20 43	3 ^h 16'54	22 ^m 36	12 ^s 44	17 ^s 54	1 ^s 34	0 ^s 19	6 ^s 17	21 ^s 48	8 ^s 10	12 ^s 50	14 ^s 18	15 ^s 14	16 ^s 3	23 ^s 42
S 28	0 24 40	4 ^h 15'48	5 ^m 11	14 ^s 24	18 ^s 41	2 ^s 14	0 ^s 32	6 ^s 22	21 ^s 48	8 ^s 12	12 ^s 51	14 ^s 10	15 ^s 11	16 ^s 9	23 ^s 50
S 29	0 28 36	5 ^h 14'44	17 ^m 15	16 ^s 2	19 ^s 28	2 ^s 55	0 ^s 44	6 ^s 27	21 ^s 48	8 ^s 15	12 ^s 53	14 ^s 4	15 ^s 7	16 ^s 16	23 ^s 58
M 30	0 32 33	6 ^h 13'42	29 ^m 14	17 ^s 40	20 ^s 13	3 ^s 11	0 ^s 56	6 ^s 32	21 ^s 48	8 ^s 17	12 ^s 54	14 ^s 11	15 ^s 11	16 ^s 22	24 ^s 7

Delta T = 27.61 sec.

OCTOBER 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	0 36 29	7 ^h 12'42	11 ^m 5	19 ^s 16	20 ^s 58	4 ^s 17	1 ^s 11	6 ^s 38	21 ^s 48	8 ^s 19	12 ^s 55	14 ^s 0	15 ^s 11	16 ^s 29	24 ^s 15
W 2	0 40 26	8 ^h 11'43	22 ^m 53	20 ^s 52	21 ^s 41	4 ^s 57	1 ^s 21	6 ^s 43	21 ^s 48	8 ^s 21	12 ^s 56	14 ^s 11	14 ^s 58	16 ^s 36	24 ^s 24
T 3	0 44 22	9 ^h 10'46	4 ^m 34	22 ^s 27	22 ^s 24	5 ^s 38	1 ^s 34	6 ^s 47	21 ^s 47	8 ^s 24	12 ^s 57	14 ^s 0	14 ^s 55	16 ^s 42	24 ^s 32
F 4	0 48 19	10 ^h 9'52	16 ^m 37	24 ^s 1	23 ^s 6	6 ^s 19	1 ^s 46	6 ^s 52	21 ^s 47	8 ^s 26	12 ^s 58	14 ^s 0	14 ^s 52	16 ^s 49	24 ^s 41
S 5	0 52 16	11 ^h 8'58	28 ^m 45	25 ^s 35	23 ^s 46	7 ^s 0	1 ^s 59	6 ^s 57	21 ^s 47	8 ^s 28	12 ^s 59	13 ^s 58	14 ^s 48	16 ^s 56	24 ^s 49
S 6	0 56 12	12 ^h 8'07	11 ^m 10	27 ^s 7	24 ^s 26	7 ^s 42	2 ^s 12	7 ^s 2	21 ^s 46	8 ^s 30	13 ^s 0	13 ^s 55	14 ^s 45	17 ^s 2	24 ^s 58
M 7	1 0 9	13 ^h 7'18	23 ^m 56	28 ^s 39	25 ^s 4	8 ^s 23	2 ^s 24	7 ^s 6	21 ^s 46	8 ^s 32	13 ^s 2	13 ^s 48	14 ^s 42	17 ^s 9	25 ^s 6
T 8	1 4 5	14 ^h 6'30	7 ^m 6	0 ^s 11	25 ^s 41	9 ^s 4	2 ^s 37	7 ^s 11	21 ^s 45	8 ^s 35	13 ^s 3	13 ^s 40	14 ^s 39	17 ^s 16	25 ^s 15
W 9	1 8 2	15 ^h 5'44	20 ^m 41	1 ^s 40	26 ^s 17	9 ^s 45	2 ^s 50	7 ^s 15	21 ^s 45	8 ^s 37	13 ^s 4	13 ^s 31	14 ^s 36	17 ^s 22	25 ^s 23
T 10	1 11 58	16 ^h 5'00	4 ^m 59	3 ^s 10	26 ^s 52	10 ^s 27	3 ^s 3	7 ^s 20	21 ^s 44	8 ^s 39	13 ^s 4	13 ^s 21	14 ^s 32	17 ^s 29	25 ^s 32
F 11	1 15 55	17 ^h 4'17	18 ^m 56	4 ^s 38	27 ^s 25	11 ^s 8	3 ^s 15	7 ^s 24	21 ^s 44	8 ^s 41	13 ^s 5	13 ^s 12	14 ^s 29	17 ^s 36	25 ^s 40
S 12	1 19 51	18 ^h 3'37	3 ^m 26	6 ^s 6	27 ^s 57	11 ^s 50	3 ^s 28	7 ^s 28	21 ^s 43	8 ^s 44	13 ^s 6	13 ^s 5	14 ^s 26	17 ^s 42	25 ^s 49
S 13	1 23 48	19 ^h 3'00	18 ^m 3	7 ^s 33	28 ^s 27	12 ^s 31	3 ^s 41	7 ^s 32	21 ^s 42	8 ^s 46	13 ^s 7	13 ^s 0	14 ^s 23	17 ^s 49	25 ^s 57
M 14	1 27 45	20 ^h 2'24	2 ^m 11	8 ^s 59	28 ^s 56	13 ^s 13	3 ^s 54	7 ^s 36	21 ^s 41	8 ^s 48	13 ^s 8	12 ^s 58	14 ^s 20	17 ^s 56	26 ^s 6
T 15	1 31 41	21 ^h 1'51	17 ^m 12	10 ^s 25	29 ^s 23	13 ^s 54	4 ^s 7	7 ^s 40	21 ^s 40	8 ^s 50	13 ^s 9	12 ^s D57	14 ^s 17	18 ^s 2	26 ^s 15
W 16	1 35 38	22 ^h 1'20	1 ^m 33	11 ^s 49	29 ^s 49	14 ^s 36	4 ^s 20	7 ^s 44	21 ^s 40	8 ^s 52	13 ^s 10	12 ^s 58	14 ^s 13	18 ^s 9	26 ^s 23
T 17	1 39 34	23 ^h 0'51	15 ^m 43	13 ^s 13	0 ^s 13	15 ^s 18	4 ^s 33	7 ^s 48	21 ^s 39	8 ^s 55	13 ^s 11	12 ^s 59	14 ^s 10	18 ^s 15	26 ^s 32
F 18	1 43 31	24 ^h 0'25	29 ^m 40	14 ^s 35	0 ^s 35	16 ^s 0	4 ^s 46	7 ^s 51	21 ^s 38	8 ^s 57	13 ^s 11	12 ^s R59	14 ^s 7	18 ^s 22	26 ^s 41
S 19	1 47 27	25 ^h 0'01	13 ^m 23	15 ^s 57	0 ^s 56	16 ^s 42	4 ^s 59	7 ^s 55	21 ^s 37	8 ^s 59	13 ^s 12	12 ^s 58	14 ^s 4	18 ^s 29	26 ^s 49
S 20	1 51 24	25 ^h 59'39	26 ^m 53	17 ^s 18	1 ^s 15	17 ^s 24	5 ^s 12	7 ^s 58	21 ^s 35	9 ^s 1	13 ^s 13	12 ^s 54	14 ^s 1	18 ^s 35	26 ^s 58
M 21	1 55 20	26 ^h 59'19	10 ^m 10	18 ^s 38	1 ^s 31	18 ^s 6	5 ^s 25	8 ^s 2	21 ^s 34	9 ^s 3	13 ^s 14	12 ^s 48	13 ^s 58	18 ^s 42	27 ^s 6
T 22	1 59 17	27 ^h 59'02	23 ^s 15	19 ^s 56	1 ^s 46	18 ^s 48	5 ^s 38	8 ^s 5	21 ^s 33	9 ^s 5	13 ^s 14	12 ^s 41	13 ^s 54	18 ^s 49	27 ^s 15
W 23	2 3 14	28 ^h 58'47	6 ^m 7	21 ^s 13	1 ^s 59	19 ^s 30	5 ^s 51	8 ^s 8	21 ^s 32	9 ^s 7	13 ^s 15	12 ^s 33	13 ^s 51	18 ^s 55	27 ^s 24
T 24	2 7 10	29 ^h 58'34	18 ^s 45	22 ^s 29	2 ^s 9	20 ^s 12	6 ^s 4	8 ^s 11	21 ^s 31	9 ^s 10	13 ^s 15	12 ^s 25	13 ^s 48	19 ^s 2	27 ^s 32
F 25	2 11 7	0 ^m 58'23	1 ^m 12	23 ^s 44	2 ^s 18	20 ^s 55	6 ^s 17	8 ^s 14	21 ^s 29	9 ^s 12	13 ^s 16	12 ^s 18	13 ^s 45	19 ^s 9	27 ^s 41
S 26	2 15 3	1 ^s 58'13	13 ^s 26	24 ^s 57	2 ^s 24	21 ^s 37	6 ^s 30	8 ^s 17	21 ^s 28	9 ^s 14	13 ^s 17	12 ^s 13	13 ^s 42	19 ^s 15	27 ^s 50
S 27	2 19 0	2 ^s 58'06	25 ^s 30	26 ^s 8	2 ^s 28	22 ^s 19	6 ^s 43	8 ^s 20	21 ^s 27	9 ^s 16	13 ^s 17	12 ^s 9	13 ^s 38	19 ^s 22	27 ^s 58
M 28	2 22 56	3 ^s 58'01	7 ^m 24	27 ^s 18	2 ^s R30	23 ^s 2	6 ^s 57	8 ^s 22	21 ^s 25	9 ^s 18	13 ^s 18	12 ^s D 8	13 ^s 35	19 ^s 29	28 ^s 7
T 29	2 26 53	4 ^s 57'57	19 ^s 13	28 ^s 25	2 ^s 29	23 ^s 45	7 ^s 10	8 ^s 25	21 ^s 24	9 ^s 20	13 ^s 18	12 ^s 8	13 ^s 32	19 ^s 35	28 ^s 15
W 30	2 30 49	5 ^s 57'56	0 ^m 59	29 ^s 30	2 ^s 26	24 ^s 27	7 ^s 23	8 ^s 27	21 ^s 22	9 ^s 22	13 ^s 19	12 ^s 9	13 ^s 29	19 ^s 42	28 ^s 24
T 31	2 34 46	6 ^m 57'56	12 ^m 34	0 ^s 33	2 ^s 20	25 ^m 10	7 ^m 36	8 ^m 30	21 ^m 20	9 ^m 24	13 ^m 19	12 ^m 11	13 ^m 26	19 ^m 48	28 ^m 33

SWISS EPHEMERIS for the year 1946

NOVEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	2 38 43	7♈57'57	24♈41	1♈32	2°R12	25♈53	7♈49	8♈32	21°R19	9♈26	13♈19	12♈12	13♈23	19♈55	28♈41
S 2	2 42 39	8°58'00	6♈47	2°29	2♈2	26°35	8°2	8°34	21♈17	9°28	13°20	12°R13	13°19	20°2	28°50
S 3	2 46 36	9°58'05	19°9	3°22	1°49	27°18	8°15	8°36	21°15	9°30	13°20	12°13	13°16	20°8	28°58
M 4	2 50 32	10°58'11	1♈52	4°11	1°34	28°1	8°29	8°38	21°14	9°32	13°20	12°11	13°13	20°15	29°7
T 5	2 54 29	11°58'19	15°0	4°55	1°16	28°44	8°42	8°40	21°12	9°34	13°21	12°8	13°10	20°22	29°15
W 6	2 58 25	12°58'28	28°35	5°35	0°56	29°27	8°55	8°41	21°10	9°36	13°21	12°4	13°7	20°28	29°24
T 7	3 2 22	13°58'39	12°Y37	6°10	0°34	0♈10	9°8	8°43	21°8	9°38	13°21	11°59	13°3	20°35	29°32
F 8	3 6 18	14°58'52	27°4	6°38	0°10	0°53	9°21	8°44	21°6	9°40	13°21	11°55	13°0	20°42	29°41
S 9	3 10 15	15°59'06	11♈50	6°59	29♈43	1°36	9°34	8°46	21°4	9°42	13°22	11°52	12°57	20°48	29°49
S 10	3 14 12	16°59'22	26°48	7°13	29°15	2°20	9°47	8°47	21°2	9°44	13°22	11°50	12°54	20°55	29°57
M 11	3 18 8	17°59'40	11♈49	7°R19	28°45	3°3	10°0	8°48	21°0	9°46	13°22	11°D50	12°51	21°2	0♈6
T 12	3 22 5	19°0'00	26°45	7°17	28°13	3°46	10°13	8°49	20°58	9°47	13°22	11°50	12°48	21°8	0°14
W 13	3 26 1	20°0'21	11♈29	7°5	27°40	4°30	10°26	8°50	20°56	9°49	13°22	11°51	12°44	21°15	0°23
T 14	3 29 58	21°0'45	25°55	6°42	27°6	5°13	10°40	8°51	20°54	9°51	13°22	11°53	12°41	21°22	0°31
F 15	3 33 54	22°1'10	10♈1	6°10	26°31	5°57	10°53	8°52	20°52	9°53	13°R22	11°54	12°38	21°28	0°39
S 16	3 37 51	23°1'38	23°46	5°28	25°55	6°40	11°6	8°52	20°50	9°55	13°22	11°R54	12°35	21°35	0°47
S 17	3 41 47	24°2'07	7♈11	4°35	25°19	7°24	11°19	8°53	20°48	9°56	13°22	11°54	12°32	21°41	0°56
M 18	3 45 44	25°2'38	20°16	3°33	24°43	8°8	11°32	8°53	20°46	9°58	13°22	11°52	12°29	21°48	1°4
T 19	3 49 41	26°3'10	3♈4	2°24	24°6	8°52	11°45	8°53	20°43	10°0	13°22	11°50	12°25	21°55	1°12
W 20	3 53 37	27°3'45	15°38	1°7	23°30	9°35	11°57	8°53	20°41	10°1	13°22	11°48	12°22	22°1	1°20
T 21	3 57 34	28°4'21	27°59	29♈47	22°54	10°19	12°10	8°R53	20°39	10°3	13°22	11°46	12°19	22°8	1°28
F 22	4 1 30	29°4'59	10♈9	28°26	22°20	11°3	12°23	8°53	20°37	10°5	13°21	11°44	12°16	22°15	1°36
S 23	4 5 27	0♈5'38	22°11	27°5	21°46	11°47	12°36	8°53	20°34	10°6	13°21	11°43	12°13	22°21	1°44
S 24	4 9 23	1°6'19	4♈6	25°49	21°13	12°31	12°49	8°53	20°32	10°8	13°21	11°42	12°9	22°28	1°52
M 25	4 13 20	2°7'01	15°56	24°38	20°42	13°15	13°2	8°52	20°29	10°9	13°21	11°D42	12°6	22°35	2°0
T 26	4 17 16	3°7'45	27°43	23°36	20°13	14°0	13°15	8°52	20°27	10°11	13°20	11°42	12°3	22°41	2°8
W 27	4 21 13	4°8'30	9♈30	22°44	19°45	14°44	13°27	8°51	20°25	10°12	13°20	11°43	12°0	22°48	2°16
T 28	4 25 10	5°9'15	21°19	22°3	19°19	15°28	13°40	8°50	20°22	10°14	13°20	11°44	11°57	22°55	2°24
F 29	4 29 6	6°10'02	3♈15	21°34	18°55	16°12	13°53	8°49	20°20	10°15	13°19	11°44	11°54	23°1	2°31
S 30	4 33 3	7♈10'51	15♈20	21♈16	18♈34	16♈57	14♈5	8♈48	20♈17	10♈17	13♈19	11♈45	11♈50	23♈8	2♈39

Delta T = 27.70 sec.

DECEMBER 1946

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 36 59	8♈11'39	27♈40	21°D 9	18°R15	17♈41	14♈18	8°R47	20°R15	10♈18	13°R19	11♈45	11♈47	23♈15	2♈47
M 2	4 40 56	9°12'29	10♈17	21♈14	17♈58	18°26	14°31	8♈46	20♈12	10°19	13♈18	11°R45	11°44	23°21	2°54
T 3	4 44 52	10°13'20	23°18	21°28	17°43	19°10	14°43	8°45	20°10	10°21	13°18	11°45	11°41	23°28	3°2
W 4	4 48 49	11°14'11	6°Y43	21°51	17°31	19°55	14°56	8°43	20°7	10°22	13°17	11°D45	11°38	23°34	3°9
T 5	4 52 45	12°15'04	20°36	22°22	17°21	20°40	15°8	8°42	20°5	10°23	13°17	11°45	11°35	23°41	3°17
F 6	4 56 42	13°15'57	4♈57	23°1	17°14	21°24	15°20	8°40	20°2	10°25	13°16	11°45	11°31	23°48	3°24
S 7	5 0 39	14°16'51	19°41	23°47	17°9	22°9	15°33	8°38	20°0	10°26	13°15	11°45	11°28	23°54	3°31
S 8	5 4 35	15°17'46	4♈44	24°38	17°D 7	22°54	15°45	8°37	19°57	10°27	13°15	11°R46	11°25	24°1	3°39
M 9	5 8 32	16°18'42	19°57	25°35	17°7	23°39	15°57	8°35	19°55	10°28	13°14	11°46	11°22	24°8	3°46
T 10	5 12 28	17°19'38	5♈11	26°36	17°10	24°24	16°9	8°33	19°52	10°29	13°14	11°45	11°19	24°14	3°53
W 11	5 16 25	18°20'36	20°15	27°40	17°15	25°9	16°22	8°30	19°50	10°30	13°13	11°45	11°15	24°21	4°0
T 12	5 20 21	19°21'35	5♈2	28°49	17°23	25°54	16°34	8°28	19°47	10°31	13°12	11°44	11°12	24°28	4°7
F 13	5 24 18	20°22'35	19°25	0♈0	17°32	26°39	16°46	8°26	19°44	10°33	13°11	11°43	11°9	24°34	4°14
S 14	5 28 15	21°23'36	3♈22	1°14	17°44	27°24	16°58	8°23	19°42	10°34	13°11	11°42	11°6	24°41	4°21
S 15	5 32 11	22°24'38	16°51	2°30	17°58	28°9	17°10	8°21	19°39	10°34	13°10	11°D42	11°3	24°48	4°28
M 16	5 36 8	23°25'40	29°56	3°48	18°15	28°54	17°21	8°18	19°37	10°35	13°9	11°42	11°0	24°54	4°35
T 17	5 40 4	24°26'44	12♈39	5°7	18°33	29°39	17°33	8°15	19°34	10°36	13°8	11°42	10°56	25°1	4°41
W 18	5 44 1	25°27'49	25°3	6°28	18°53	0♈25	17°45	8°12	19°32	10°37	13°7	11°43	10°53	25°8	4°48
T 19	5 47 57	26°28'54	7♈13	7°51	19°16	1°10	17°57	8°9	19°29	10°38	13°7	11°45	10°50	25°14	4°55
F 20	5 51 54	27°30'01	19°12	9°14	19°40	1°55	18°8	8°6	19°27	10°39	13°6	11°46	10°47	25°21	5°1
S 21	5 55 50	28°31'08	1♈5	10°39	20°6	2°41	18°20	8°3	19°24	10°40	13°5	11°47	10°44	25°28	5°8
S 22	5 59 47	29°32'16	12°53	12°4	20°33	3°26	18°31	8°0	19°22	10°40	13°4	11°R48	10°41	25°34	5°14
M 23	6 3 44	0♈33'24	24°41	13°30	21°2	4°12	18°43	7°57	19°19	10°41	13°3	11°47	10°37	25°41	5°20
T 24	6 7 40	1°34'33	6♈29	14°57	21°33	4°58	18°54	7°53	19°17	10°42	13°2	11°45	10°34	25°47	5°26
W 25	6 11 37	2°35'42	18°19	16°25	22°6	5°43	19°5	7°50	19°14	10°42	13°1	11°43	10°31	25°54	5°32
T 26	6 15 33	3°36'52	0♈15	17°53	22°39	6°29	19°16	7°46	19°12	10°43	13°0	11°39	10°28	26°1	5°39
F 27	6 19 30	4°38'01	12°18	19°21	23°15	7°15	19°27	7°43	19°9	10°44	12°59	11°35	10°25	26°7	5°44
S 28	6 23 26	5°39'11	24°29	20°50	23°51	8°0	19°38	7°39	19°7	10°44	12°58	11°31	10°21	26°14	5°50
S 29	6 27 23	6°40'21	6♈53	22°20	24°29	8°46	19°49	7°35	19°4	10°45	12°57	11°27	10°18	26°21	5°56
M 30	6 31 19	7°41'30	19°31	23°50	25°8	9°32	20°0	7°31	19°2	10°45	12°56	11°25	10°15	26°27	6°2
T 31	6 35 16	8♈42'40	2°Y26	25♈20	25♈49	10♈18	20♈11	7♈27	19♈0	10♈46	12♈55	11♈24	10♈12	26♈34	6♈7

Delta T = 27.74 sec.

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