

SWISS EPHEMERIS for the year 1976

JANUARY 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 39 9	9°31'29"	2°3'6"	27°32'27"	29°11'23"	17°R22	15°Y32	1°R 4	6°M23	12°X32	11°A39	20°R51	19°M16	6°Y51	23°R35
F 2	6 43 5	10°42'40"	15°30'	28°51'	0°X35	17°II 7	15°37'	0°L59	6°25'	12°34'	11°40'	20°M44	19°13'	6°58'	23°Y35
S 3	6 47 2	11°43'50"	28°37'	0°X12	1°47'	16°52'	15°41'	0°55'	6°27'	12°36'	11°40'	20°34'	19°10'	7° 5'	23°35'
S 4	6 50 58	12°45'01"	11°X28	1°30'	2°59'	16°38'	15°46'	0°50'	6°29'	12°38'	11°41'	20°24'	19° 7'	7°11'	23°D35
M 5	6 54 55	13°46'12"	24° 2'	2°45'	4°12'	16°25'	15°51'	0°46'	6°31'	12°40'	11°41'	20°15'	19° 3'	7°18'	23°35'
T 6	6 58 52	14°47'22"	6°X20	3°56'	5°24'	16°12'	15°56'	0°41'	6°33'	12°42'	11°41'	20° 6'	19° 0'	7°25'	23°35'
W 7	7 2 48	15°48'32"	18°25'	5° 1'	6°36'	16° 1'	16° 1'	0°36'	6°35'	12°44'	11°42'	20° 0'	18°57'	7°31'	23°35'
T 8	7 6 45	16°49'42"	0°Y19	6° 1'	7°49'	15°50'	16° 7'	0°32'	6°37'	12°46'	11°42'	19°56'	18°54'	7°38'	23°35'
F 9	7 10 41	17°50'51"	12° 9'	6°55'	9° 1'	15°40'	16°13'	0°27'	6°39'	12°48'	11°42'	19°54'	18°51'	7°45'	23°36'
S 10	7 14 38	18°52'00"	23°59'	7°42'	10°14'	15°31'	16°19'	0°22'	6°40'	12°50'	11°42'	19°D54	18°47'	7°51'	23°36'
S 11	7 18 34	19°53'08"	5°X54	8°20'	11°26'	15°22'	16°25'	0°17'	6°42'	12°51'	11°42'	19°55'	18°44'	7°58'	23°36'
M 12	7 22 31	20°54'16"	18° 0'	8°49'	12°39'	15°15'	16°31'	0°12'	6°44'	12°53'	11°43'	19°R56	18°41'	8° 5'	23°37'
T 13	7 26 27	21°55'23"	0°II21	9° 9'	13°52'	15° 8'	16°37'	0° 8'	6°45'	12°55'	11°43'	19°55'	18°38'	8°11'	23°37'
W 14	7 30 24	22°56'30"	13° 3'	9°R18	15° 4'	15° 2'	16°44'	0° 3'	6°47'	12°57'	11°R43	19°53'	18°35'	8°18'	23°38'
T 15	7 34 21	23°57'36"	26° 7'	9°15'	16°17'	14°57'	16°51'	29°X58	6°49'	12°59'	11°43'	19°48'	18°32'	8°25'	23°38'
F 16	7 38 17	24°58'41"	9°X34	9° 1'	17°30'	14°53'	16°57'	29°53'	6°50'	13° 1'	11°43'	19°40'	18°28'	8°31'	23°39'
S 17	7 42 14	25°59'46"	23°24'	8°35'	18°43'	14°50'	17° 4'	29°48'	6°51'	13° 2'	11°43'	19°30'	18°25'	8°38'	23°40'
S 18	7 46 10	27° 0'51"	7°L33	7°57'	19°56'	14°47'	17°12'	29°43'	6°53'	13° 4'	11°42'	19°19'	18°22'	8°45'	23°40'
M 19	7 50 7	28° 1'55"	21°55'	7° 9'	21° 9'	14°45'	17°19'	29°38'	6°54'	13° 6'	11°42'	19° 7'	18°19'	8°51'	23°41'
T 20	7 54 3	29° 2'58"	6°II24	6°11'	22°22'	14°44'	17°27'	29°33'	6°55'	13° 8'	11°42'	18°57'	18°16'	8°58'	23°42'
W 21	7 58 0	0°X4'01"	20°53'	5° 5'	23°35'	14°D44	17°34'	29°28'	6°56'	13° 9'	11°42'	18°50'	18°13'	9° 5'	23°43'
T 22	8 1 56	1° 5'04"	5°X17	3°54'	24°48'	14°44'	17°42'	29°23'	6°58'	13°11'	11°42'	18°45'	18° 9'	9°11'	23°44'
F 23	8 5 53	2° 6'06"	19°32'	2°38'	26° 1'	14°46'	17°50'	29°18'	6°59'	13°13'	11°41'	18°42'	18° 6'	9°18'	23°45'
S 24	8 9 50	3° 7'08"	3°M37	1°21'	27°15'	14°48'	17°58'	29°13'	7° 0'	13°14'	11°41'	18°D42	18° 3'	9°25'	23°46'
S 25	8 13 46	4° 8'10"	17°31'	0° 5'	28°28'	14°50'	18° 7'	29° 9'	7° 1'	13°16'	11°41'	18°R42	18° 0'	9°31'	23°47'
M 26	8 17 43	5° 9'11"	1°X13	28°X52	29°41'	14°54'	18°15'	29° 4'	7° 2'	13°18'	11°40'	18°41'	17°57'	9°38'	23°48'
T 27	8 21 39	6°10'11"	14°45'	27°43'	0°X55	14°58'	18°24'	28°59'	7° 2'	13°19'	11°40'	18°39'	17°53'	9°45'	23°49'
W 28	8 25 36	7°11'11"	28° 7'	26°41'	2° 8'	15° 3'	18°32'	28°54'	7° 3'	13°21'	11°39'	18°34'	17°50'	9°51'	23°51'
T 29	8 29 32	8°12'10"	11°X19	25°47'	3°21'	15° 8'	18°41'	28°49'	7° 4'	13°22'	11°39'	18°26'	17°47'	9°58'	23°52'
F 30	8 33 29	9°13'09"	24°20'	25° 1'	4°35'	15°14'	18°50'	28°44'	7° 5'	13°24'	11°38'	18°14'	17°44'	10° 5'	23°53'
S 31	8 37 25	10°14'06"	7°X 9	24°X24	5°X48	15°II21	18°Y59	28°X39	7°M 5	13°X25	11°X38	18°M 1	17°M41	10°Y12	23°Y55

Delta T = 46.46 sec.

FEBRUARY 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	8 41 22	11°15'03"	19°X46	23°R55	7°X 2	15°II29	19°Y 8	28°R35	7°M 6	13°X26	11°R37	17°R47	17°M38	10°Y18	23°Y56
M 2	8 45 19	12°15'58"	2°X10	23°X35	8°15'	15°37'	19°18'	28°X30	7° 6'	13°28'	11°X37	17°M33	17°34'	10°25'	23°58'
T 3	8 49 15	13°16'52"	14°22'	23°23'	9°29'	15°46'	19°27'	28°25'	7° 7'	13°29'	11°36'	17°20'	17°31'	10°32'	24° 0'
W 4	8 53 12	14°17'45"	26°23'	23°D20	10°42'	15°55'	19°37'	28°21'	7° 7'	13°31'	11°35'	17°10'	17°28'	10°38'	24° 1'
T 5	8 57 8	15°18'37"	8°Y16	23°24'	11°56'	16° 5'	19°47'	28°16'	7° 8'	13°32'	11°35'	17° 3'	17°25'	10°45'	24° 3'
F 6	9 1 5	16°19'27"	20° 4'	23°35'	13°10'	16°16'	19°57'	28°11'	7° 8'	13°33'	11°34'	16°58'	17°22'	10°52'	24° 5'
S 7	9 5 1	17°20'16"	1°X52	23°53'	14°23'	16°27'	20° 7'	28° 7'	7° 8'	13°34'	11°33'	16°56'	17°19'	10°58'	24° 6'
S 8	9 8 58	18°21'04"	13°44'	24°16'	15°37'	16°39'	20°17'	28° 2'	7° 8'	13°36'	11°32'	16°56'	17°15'	11° 5'	24° 8'
M 9	9 12 54	19°21'50"	25°48'	24°46'	16°51'	16°51'	20°27'	27°58'	7° 9'	13°37'	11°31'	16°56'	17°12'	11°12'	24°10'
T 10	9 16 51	20°22'34"	8°II 7	25°20'	18° 4'	17° 4'	20°37'	27°53'	7° 9'	13°38'	11°31'	16°55'	17° 9'	11°18'	24°12'
W 11	9 20 48	21°23'17"	20°47'	25°59'	19°18'	17°17'	20°48'	27°49'	7°R 9	13°39'	11°30'	16°52'	17° 6'	11°25'	24°14'
T 12	9 24 44	22°23'58"	3°X53	26°42'	20°32'	17°31'	20°59'	27°45'	7° 9'	13°40'	11°29'	16°47'	17° 3'	11°32'	24°16'
F 13	9 28 41	23°24'38"	17°26'	27°30'	21°45'	17°46'	21° 9'	27°41'	7° 9'	13°41'	11°28'	16°39'	16°59'	11°38'	24°18'
S 14	9 32 37	24°25'16"	1°L27	28°21'	22°59'	18° 1'	21°20'	27°37'	7° 8'	13°42'	11°27'	16°29'	16°56'	11°45'	24°20'
S 15	9 36 34	25°25'53"	15°53'	29°15'	24°13'	18°16'	21°31'	27°32'	7° 8'	13°43'	11°26'	16°17'	16°53'	11°52'	24°22'
M 16	9 40 30	26°26'28"	0°M38	0°X12	25°27'	18°32'	21°42'	27°28'	7° 8'	13°44'	11°25'	16° 5'	16°50'	11°58'	24°25'
T 17	9 44 27	27°27'02"	15°33'	1°12'	26°41'	18°48'	21°53'	27°25'	7° 8'	13°45'	11°24'	15°54'	16°47'	12° 5'	24°27'
W 18	9 48 23	28°27'34"	0°X29	2°15'	27°54'	19° 5'	22° 4'	27°21'	7° 7'	13°46'	11°23'	15°46'	16°44'	12°12'	24°29'
T 19	9 52 20	29°28'04"	15°17'	3°20'	29° 8'	19°22'	22°16'	27°17'	7° 7'	13°47'	11°22'	15°40'	16°40'	12°18'	24°32'
F 20	9 56 17	0°X28'34"	29°52'	4°27'	0°X22	19°40'	22°27'	27°13'	7° 6'	13°48'	11°20'	15°37'	16°37'	12°25'	24°34'
S 21	10 0 13	1°29'02"	14°M 9	5°37'	1°36'	19°58'	22°38'	27° 9'	7° 6'	13°49'	11°19'	15°D36	16°34'	12°32'	24°36'
S 22	10 4 10	2°29'29"	28° 6'	6°48'	2°50'	20°16'	22°50'	27° 6'	7° 5'	13°49'	11°18'	15°R37	16°31'	12°38'	24°39'
M 23	10 8 6	3°29'55"	11°X45	8° 1'	4° 4'	20°35'	23° 2'	27° 2'	7° 5'	13°50'	11°17'	15°36'	16°28'	12°45'	24°41'
T 24	10 12 3	4°30'20"	25° 7'	9°16'	5°18'	20°54'	23°14'	26°59'	7° 4'	13°51'	11°16'	15°35'	16°24'	12°52'	24°44'
W 25	10 15 59	5°30'43"	8°X13	10°33'	6°32'	21°14'	23°25'	26°56'	7° 3'	13°52'	11°14'	15°31'	16°21'	12°58'	24°47'
T 26	10 19 56	6°31'04"	21° 6'	11°51'	7°45'	21°34'	23°37'	26°52'	7° 2'	13°52'	11°13'	15°23'	16°18'	13° 5'	24°49'
F 27	10 23 52	7°31'25"	3°X47	13°11'	8°59'	21°54'	23°49'	26°49'	7° 2'	13°53'	11°12'	15°14'	16°15'	13°12'	24°52'
S 28	10 27 49	8°31'43"	16°17'	14°32'	10°13'	22°15'	24° 2'	26°46'	7° 1'	13°53'	11°11'	15° 2'	16°12'	13°18'	24°55'
S 29	10 31 46	9°X32'00"	28°X38	15°X54	11°X27	22°II36	24°Y14	26°X43	7°M 0	13°X54	11°X 9	14°M49	16°M 9	13°Y25	24°Y57

Delta T = 46.55 sec.

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SWISS EPHEMERIS for the year 1976

MARCH 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	10 35 42	10 ^h 32'15"	10 ^h 49'	17 ^h 38'	12 ^h 41'	22 ^h 57'	24 ^h 26'	26 ^h 40'	6 ^h 59'	13 ^h 55'	11 ^h 8'	14 ^h 37'	16 ^h 5'	13 ^h 32'	25 ^h 0'
T 2	10 39 39	11 ^h 32'28"	22 ^h 51'	18 ^h 43'	13 ^h 55'	23 ^h 19'	24 ^h 38'	26 ^h 53'	6 ^h 58'	13 ^h 55'	11 ^h 6'	14 ^h 26'	16 ^h 2'	13 ^h 38'	25 ^h 3'
W 3	10 43 35	12 ^h 32'40"	4 ^h 46'	20 ^h 9'	15 ^h 9'	23 ^h 41'	24 ^h 51'	26 ^h 35'	6 ^h 57'	13 ^h 55'	11 ^h 5'	14 ^h 17'	15 ^h 59'	13 ^h 45'	25 ^h 6'
T 4	10 47 32	13 ^h 32'49"	16 ^h 36'	21 ^h 37'	16 ^h 23'	24 ^h 4'	25 ^h 3'	26 ^h 32'	6 ^h 55'	13 ^h 56'	11 ^h 4'	14 ^h 10'	15 ^h 56'	13 ^h 52'	25 ^h 9'
F 5	10 51 28	14 ^h 32'57"	28 ^h 23'	23 ^h 6'	17 ^h 37'	24 ^h 26'	25 ^h 16'	26 ^h 30'	6 ^h 54'	13 ^h 56'	11 ^h 2'	14 ^h 6'	15 ^h 53'	13 ^h 58'	25 ^h 11'
S 6	10 55 25	15 ^h 33'03"	10 ^h 10'	24 ^h 36'	18 ^h 51'	24 ^h 49'	25 ^h 29'	26 ^h 27'	6 ^h 53'	13 ^h 57'	11 ^h 1'	14 ^h D 5'	15 ^h 50'	14 ^h 5'	25 ^h 14'
S 7	10 59 21	16 ^h 33'06"	22 ^h 2'	26 ^h 7'	20 ^h 5'	25 ^h 12'	25 ^h 41'	26 ^h 25'	6 ^h 52'	13 ^h 57'	10 ^h 59'	14 ^h 5'	15 ^h 46'	14 ^h 12'	25 ^h 17'
M 8	11 3 18	17 ^h 33'08"	4 ^h 44'	27 ^h 39'	21 ^h 19'	25 ^h 36'	25 ^h 54'	26 ^h 23'	6 ^h 50'	13 ^h 57'	10 ^h 58'	14 ^h 6'	15 ^h 43'	14 ^h 18'	25 ^h 20'
T 9	11 7 14	18 ^h 33'07"	16 ^h 20'	29 ^h 13'	22 ^h 33'	26 ^h 0'	26 ^h 7'	26 ^h 21'	6 ^h 49'	13 ^h 57'	10 ^h 56'	14 ^h R 7'	15 ^h 40'	14 ^h 25'	25 ^h 23'
W 10	11 11 11	19 ^h 33'04"	28 ^h 57'	0 ^h 47'	23 ^h 47'	26 ^h 24'	26 ^h 20'	26 ^h 19'	6 ^h 48'	13 ^h 58'	10 ^h 55'	14 ^h 6'	15 ^h 37'	14 ^h 32'	25 ^h 26'
T 11	11 15 8	20 ^h 32'59"	11 ^h 57'	2 ^h 23'	25 ^h 1'	26 ^h 48'	26 ^h 33'	26 ^h 17'	6 ^h 46'	13 ^h 58'	10 ^h 53'	14 ^h 4'	15 ^h 34'	14 ^h 38'	25 ^h 30'
F 12	11 19 4	21 ^h 32'52"	25 ^h 26'	4 ^h 0'	26 ^h 15'	27 ^h 13'	26 ^h 46'	26 ^h 15'	6 ^h 45'	13 ^h 58'	10 ^h 52'	13 ^h 59'	15 ^h 30'	14 ^h 45'	25 ^h 33'
S 13	11 23 1	22 ^h 32'42"	9 ^h 25'	5 ^h 38'	27 ^h 29'	27 ^h 38'	26 ^h 59'	26 ^h 14'	6 ^h 43'	13 ^h 58'	10 ^h 50'	13 ^h 53'	15 ^h 27'	14 ^h 52'	25 ^h 36'
S 14	11 26 57	23 ^h 32'31"	23 ^h 52'	7 ^h 18'	28 ^h 43'	28 ^h 3'	27 ^h 12'	26 ^h 12'	6 ^h 42'	13 ^h 58'	10 ^h 49'	13 ^h 45'	15 ^h 24'	14 ^h 58'	25 ^h 39'
M 15	11 30 54	24 ^h 32'17"	8 ^h 43'	8 ^h 58'	29 ^h 57'	28 ^h 28'	27 ^h 25'	26 ^h 11'	6 ^h 40'	13 ^h 58'	10 ^h 47'	13 ^h 38'	15 ^h 21'	15 ^h 5'	25 ^h 42'
T 16	11 34 50	25 ^h 32'01"	23 ^h 50'	10 ^h 40'	1 ^h 11'	28 ^h 54'	27 ^h 39'	26 ^h 9'	6 ^h 38'	13 ^h R 58'	10 ^h 45'	13 ^h 30'	15 ^h 18'	15 ^h 12'	25 ^h 45'
W 17	11 38 47	26 ^h 31'43"	9 ^h 43'	12 ^h 23'	2 ^h 25'	29 ^h 20'	27 ^h 52'	26 ^h 8'	6 ^h 36'	13 ^h 58'	10 ^h 44'	13 ^h 25'	15 ^h 15'	15 ^h 18'	25 ^h 49'
T 18	11 42 43	27 ^h 31'23"	24 ^h 11'	14 ^h 7'	3 ^h 39'	29 ^h 46'	28 ^h 5'	26 ^h 7'	6 ^h 35'	13 ^h 58'	10 ^h 42'	13 ^h 21'	15 ^h 11'	15 ^h 25'	25 ^h 52'
F 19	11 46 40	28 ^h 31'02"	9 ^h 47'	15 ^h 52'	4 ^h 53'	0 ^h 512'	28 ^h 19'	26 ^h 6'	6 ^h 33'	13 ^h 58'	10 ^h 41'	13 ^h D 20'	15 ^h 8'	15 ^h 32'	25 ^h 55'
S 20	11 50 37	29 ^h 30'38"	23 ^h 42'	17 ^h 39'	6 ^h 7'	0 ^h 38'	28 ^h 32'	26 ^h 5'	6 ^h 31'	13 ^h 58'	10 ^h 39'	13 ^h 20'	15 ^h 5'	15 ^h 38'	25 ^h 58'
S 21	11 54 33	0 ^h 30'13"	7 ^h 54'	19 ^h 27'	7 ^h 21'	1 ^h 5'	28 ^h 46'	26 ^h 4'	6 ^h 29'	13 ^h 58'	10 ^h 37'	13 ^h 21'	15 ^h 2'	15 ^h 45'	26 ^h 2'
M 22	11 58 30	1 ^h 29'46"	21 ^h 41'	21 ^h 16'	8 ^h 35'	1 ^h 32'	28 ^h 59'	26 ^h 3'	6 ^h 27'	13 ^h 58'	10 ^h 36'	13 ^h 22'	14 ^h 59'	15 ^h 52'	26 ^h 5'
T 23	12 2 26	2 ^h 29'18"	5 ^h 35'	23 ^h 6'	9 ^h 49'	1 ^h 59'	29 ^h 13'	26 ^h 3'	6 ^h 25'	13 ^h 57'	10 ^h 34'	13 ^h R 23'	14 ^h 56'	15 ^h 58'	26 ^h 9'
W 24	12 6 23	3 ^h 28'48"	18 ^h 8'	24 ^h 58'	11 ^h 3'	2 ^h 26'	29 ^h 27'	26 ^h 2'	6 ^h 23'	13 ^h 57'	10 ^h 32'	13 ^h 22'	14 ^h 52'	16 ^h 5'	26 ^h 12'
T 25	12 10 19	4 ^h 28'16"	0 ^h 53'	26 ^h 51'	12 ^h 17'	2 ^h 53'	29 ^h 40'	26 ^h 2'	6 ^h 21'	13 ^h 57'	10 ^h 31'	13 ^h 19'	14 ^h 49'	16 ^h 12'	26 ^h 15'
F 26	12 14 16	5 ^h 27'42"	13 ^h 22'	28 ^h 45'	13 ^h 31'	3 ^h 21'	29 ^h 54'	26 ^h 2'	6 ^h 19'	13 ^h 57'	10 ^h 29'	13 ^h 14'	14 ^h 46'	16 ^h 18'	26 ^h 19'
S 27	12 18 12	6 ^h 27'06"	25 ^h 40'	0 ^h 41'	14 ^h 45'	3 ^h 49'	0 ^h 8'	26 ^h 2'	6 ^h 17'	13 ^h 56'	10 ^h 27'	13 ^h 8'	14 ^h 43'	16 ^h 25'	26 ^h 22'
S 28	12 22 9	7 ^h 26'28"	7 ^h 47'	2 ^h 37'	15 ^h 59'	4 ^h 17'	0 ^h 22'	26 ^h D 2'	6 ^h 15'	13 ^h 56'	10 ^h 26'	13 ^h 2'	14 ^h 40'	16 ^h 32'	26 ^h 26'
M 29	12 26 6	8 ^h 25'49"	19 ^h 47'	4 ^h 35'	17 ^h 13'	4 ^h 45'	0 ^h 35'	26 ^h 2'	6 ^h 13'	13 ^h 55'	10 ^h 24'	12 ^h 55'	14 ^h 36'	16 ^h 38'	26 ^h 29'
T 30	12 30 2	9 ^h 25'07"	1 ^h 40'	6 ^h 35'	18 ^h 27'	5 ^h 13'	0 ^h 49'	26 ^h 2'	6 ^h 11'	13 ^h 55'	10 ^h 22'	12 ^h 49'	14 ^h 33'	16 ^h 45'	26 ^h 33'
W 31	12 33 59	10 ^h 24'24"	13 ^h 30'	8 ^h 35'	19 ^h 41'	5 ^h 42'	1 ^h 8'	26 ^h 2'	6 ^h 9'	13 ^h 55'	10 ^h 21'	12 ^h 44'	14 ^h 30'	16 ^h 52'	26 ^h 36'

Delta T = 46.63 sec.

APRIL 1976

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Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	12 37 55	11 ^h 23'38"	25 ^h 18'	10 ^h 36'	20 ^h 55'	6 ^h 510'	1 ^h 8'17"	26 ^h 3'	6 ^h R 6'	13 ^h R54'	10 ^h R19'	12 ^h R41'	14 ^h 27'	16 ^h 58'	26 ^h 40'
F 2	12 41 52	12 ^h 22'51"	7 ^h 6'	12 ^h 38'	22 ^h 9'	6 ^h 39'	1 ^h 31'	26 ^h 3'	6 ^h 4'	13 ^h 54'	10 ^h 17'	12 ^h D40'	14 ^h 24'	17 ^h 5'	26 ^h 43'
S 3	12 45 48	13 ^h 22'01"	18 ^h 56'	14 ^h 42'	23 ^h 23'	7 ^h 8'	1 ^h 45'	26 ^h 4'	6 ^h 2'	13 ^h 53'	10 ^h 16'	12 ^h 40'	14 ^h 21'	17 ^h 11'	26 ^h 47'
S 4	12 49 45	14 ^h 21'09"	0 ^h 52'	16 ^h 45'	24 ^h 37'	7 ^h 37'	1 ^h 59'	26 ^h 4'	6 ^h 0'	13 ^h 52'	10 ^h 14'	12 ^h 41'	14 ^h 17'	17 ^h 18'	26 ^h 50'
M 5	12 53 41	15 ^h 20'15"	12 ^h 57'	18 ^h 50'	25 ^h 51'	8 ^h 7'	2 ^h 13'	26 ^h 5'	5 ^h 57'	13 ^h 52'	10 ^h 12'	12 ^h 43'	14 ^h 14'	17 ^h 25'	26 ^h 54'
T 6	12 57 38	16 ^h 19'19"	25 ^h 16'	20 ^h 54'	27 ^h 5'	8 ^h 36'	2 ^h 28'	26 ^h 6'	5 ^h 55'	13 ^h 51'	10 ^h 11'	12 ^h 44'	14 ^h 11'	17 ^h 31'	26 ^h 58'
W 7	13 1 35	17 ^h 18'20"	7 ^h 51'	22 ^h 59'	28 ^h 19'	9 ^h 6'	2 ^h 42'	26 ^h 7'	5 ^h 53'	13 ^h 50'	10 ^h 9'	12 ^h 46'	14 ^h 8'	17 ^h 38'	27 ^h 1'
T 8	13 5 31	18 ^h 17'19"	20 ^h 48'	25 ^h 4'	29 ^h 32'	9 ^h 35'	2 ^h 56'	26 ^h 8'	5 ^h 50'	13 ^h 50'	10 ^h 7'	12 ^h R46'	14 ^h 5'	17 ^h 45'	27 ^h 5'
F 9	13 9 28	19 ^h 16'16"	4 ^h 10'	27 ^h 8'	0 ^h 46'	10 ^h 5'	3 ^h 10'	26 ^h 10'	5 ^h 48'	13 ^h 49'	10 ^h 6'	12 ^h 45'	14 ^h 1'	17 ^h 51'	27 ^h 8'
S 10	13 13 24	20 ^h 15'10"	17 ^h 59'	29 ^h 11'	2 ^h 0'	10 ^h 35'	3 ^h 24'	26 ^h 11'	5 ^h 45'	13 ^h 48'	10 ^h 4'	12 ^h 43'	13 ^h 58'	17 ^h 58'	27 ^h 12'
S 11	13 17 21	21 ^h 14'02"	2 ^h 15'	1 ^h 14'	3 ^h 14'	11 ^h 5'	3 ^h 38'	26 ^h 13'	5 ^h 43'	13 ^h 47'	10 ^h 2'	12 ^h 41'	13 ^h 55'	18 ^h 5'	27 ^h 16'
M 12	13 21 17	22 ^h 12'52"	16 ^h 56'	3 ^h 15'	4 ^h 28'	11 ^h 36'	3 ^h 53'	26 ^h 14'	5 ^h 41'	13 ^h 46'	10 ^h 1'	12 ^h 38'	13 ^h 52'	18 ^h 11'	27 ^h 19'
T 13	13 25 14	23 ^h 11'40"	1 ^h 57'	5 ^h 14'	5 ^h 42'	12 ^h 6'	4 ^h 7'	26 ^h 16'	5 ^h 38'	13 ^h 46'	9 ^h 59'	12 ^h 36'	13 ^h 49'	18 ^h 18'	27 ^h 23'
W 14	13 29 10	24 ^h 10'25"	17 ^h 9'	7 ^h 11'	6 ^h 56'	12 ^h 36'	4 ^h 21'	26 ^h 18'	5 ^h 36'	13 ^h 45'	9 ^h 57'	12 ^h 34'	13 ^h 46'	18 ^h 25'	27 ^h 26'
T 15	13 33 7	25 ^h 9'09"	2 ^h 22'	9 ^h 6'	8 ^h 10'	13 ^h 7'	4 ^h 35'	26 ^h 20'	5 ^h 33'	13 ^h 44'	9 ^h 56'	12 ^h 33'	13 ^h 42'	18 ^h 31'	27 ^h 30'
F 16	13 37 3	26 ^h 7'50"	17 ^h 29'	10 ^h 58'	9 ^h 24'	13 ^h 38'	4 ^h 50'	26 ^h 22'	5 ^h 31'	13 ^h 43'	9 ^h 54'	12 ^h D32'	13 ^h 39'	18 ^h 38'	27 ^h 34'
S 17	13 41 0	27 ^h 6'30"	2 ^h 18'	12 ^h 46'	10 ^h 38'	14 ^h 9'	5 ^h 4'	26 ^h 24'	5 ^h 28'	13 ^h 42'	9 ^h 53'	12 ^h 33'	13 ^h 36'	18 ^h 45'	27 ^h 37'
S 18	13 44 57	28 ^h 5'08"	16 ^h 44'	14 ^h 32'	11 ^h 51'	14 ^h 39'	5 ^h 18'	26 ^h 26'	5 ^h 26'	13 ^h 41'	9 ^h 51'	12 ^h 34'	13 ^h 33'	18 ^h 51'	27 ^h 41'
M 19	13 48 53	29 ^h 3'45"	0 ^h 44'	16 ^h 13'	13 ^h 5'	15 ^h 11'	5 ^h 33'	26 ^h 28'	5 ^h 23'	13 ^h 40'	9 ^h 50'	12 ^h 35'	13 ^h 30'	18 ^h 58'	27 ^h 45'
T 20	13 52 50	0 ^h 8'219"	14 ^h 18'	17 ^h 51'	14 ^h 19'	15 ^h 42'	5 ^h 47'	26 ^h 31'	5 ^h 20'	13 ^h 39'	9 ^h 48'	12 ^h 36'	13 ^h 27'	19 ^h 5'	27 ^h 48'
W 21	13 56 46	1 ^h 0'52"	27 ^h 26'	19 ^h 25'	15 ^h 33'	16 ^h 13'	6 ^h 1'	26 ^h 33'	5 ^h 18'	13 ^h 38'	9 ^h 46'	12 ^h R36'	13 ^h 23'	19 ^h 11'	27 ^h 52'
T 22	14 0 43	1 ^h 59'24"	10 ^h 11'	20 ^h 54'	16 ^h 47'	16 ^h 44'	6 ^h 16'	26 ^h 36'	5 ^h 15'	13 ^h 37'	9 ^h 45'	12 ^h 36'	13 ^h 20'	19 ^h 18'	27 ^h 55'
F 23	14 4 39	2 ^h 57'54"	22 ^h 38'	22 ^h 20'	18 ^h 1'	17 ^h 16'	6 ^h 30'	26 ^h 39'	5 ^h 13'	13 ^h 36'	9 ^h 43'	12 ^h 36'	13 ^h 17'	19 ^h 25'	27 ^h 59'
S 24	14 8 36	3 ^h 56'22"	4 ^h 49'	23 ^h 40'	19 ^h 15'	17 ^h 47'	6 ^h 44'	26 ^h 42'	5 ^h 10'	13 ^h 34'	9 ^h 42'	12 ^h 35'	13 ^h 14'	19 ^h 31'	28 ^h 0'
S 25	14 12 32	4 ^h 54'48"	16 ^h 50'	24 ^h 56'	20 ^h 28'	18 ^h 19'	6 ^h 59'	26 ^h 45'	5 ^h 8'	13 ^h 33'	9 ^h 40'	12 ^h 34'	13 ^h 11'	19 ^h 38'	28 ^h 6'
M 26	14 16 29	5 ^h 53'13"	28 ^h 43'	26 ^h 7'	21 ^h 42'	18 ^h 51'	7 ^h 13'	26 ^h 48'	5 ^h 5'	13 ^h 32'	9 ^h 39'	12 ^h 33'	13 ^h 7'	19 ^h 45'	28 ^h 10'
T 27	14 20 26	6 ^h 51'36"	10 ^h 32'	27 ^h 13'	22 ^h 56'	19 ^h 23'	7 ^h 28'	26 ^h 51'	5 ^h 3'	13 ^h 31'	9 ^h 38'	12 ^h 32'	13 ^h 4'	19 ^h 51'	28 ^h 14'
W 28	14 24 22	7 ^h 49'57"	22 ^h 19'	28 ^h 14'	24 ^h 10'	19 ^h 55'	7 ^h 42'	26 ^h 54'	5 ^h 0'	13 ^h 30'	9 ^h 36'	12 ^h 31'	13 ^h 1'	19 ^h 58'	28 ^h 17'
T 29	14 28 19	8 ^h 48'17"	4 ^h 8'	29 ^h 11'	25 ^h 24'	20 ^h 27'	7 ^h 56'	26 ^h 57'	4 ^h 57'	13 ^h 28'	9 ^h 35'	12 ^h 31'	12 ^h 58'	20 ^h 5'	28 ^h 21'
F 30	14 32 15	9 ^h 46'35"	16 ^h 8'0"	0 ^h 11'2"	26 ^h 38'	20 ^h 59'	8 ^h 11'	27 ^h 5'1"	4 ^h 55'	13 ^h 27'	9 ^h 33'	12 ^h D31'	12 ^h 55'	20 ^h 11'	28 ^h 24'

SWISS EPHEMERIS for the year 1976

MAY 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 36 12	10♈44'51	27♋57	0♈48	27♋51	21♋31	8♋25	27♋4	4°R52	13°R26	9°R32	12♈31	12♈52	20°Y18	28°Y28
S 2	14 40 8	11°43'05	10♈3	1°28	29°5	22°3	8°39	27°8	4♈50	13°R25	9°R31	12°31	12°48	20°25	28°31
M 3	14 44 5	12°41'18	22°18	2°3	0♈19	22°36	8°54	27°12	4°47	13°23	9°29	12°R31	12°45	20°31	28°35
T 4	14 48 1	13°39'29	4♈45	2°34	1°33	23°8	9°8	27°15	4°45	13°22	9°28	12°31	12°42	20°38	28°39
W 5	14 51 58	14°37'37	17°28	2°58	2°47	23°41	9°22	27°19	4°42	13°21	9°27	12°31	12°39	20°45	28°42
T 6	14 55 55	15°35'44	0♈28	3°18	4°0	24°14	9°37	27°23	4°40	13°19	9°25	12°31	12°36	20°51	28°46
F 7	14 59 51	16°33'49	13°48	3°32	5°14	24°46	9°51	27°27	4°37	13°18	9°24	12°D31	12°33	20°58	28°49
S 8	15 3 48	17°31'52	27°29	3°40	6°28	25°19	10°5	27°31	4°35	13°16	9°23	12°31	12°29	21°5	28°53
S 9	15 7 44	18°29'52	11♈32	3°R44	7°42	25°52	10°19	27°36	4°32	13°15	9°22	12°31	12°26	21°11	28°56
M10	15 11 41	19°27'51	25°57	3°43	8°55	26°25	10°34	27°40	4°30	13°14	9°20	12°32	12°23	21°18	29°0
T 11	15 15 37	20°25'48	10♈40	3°36	10°9	26°58	10°48	27°44	4°28	13°12	9°19	12°32	12°20	21°24	29°3
W12	15 19 34	21°23'44	25°36	3°25	11°23	27°31	11°2	27°49	4°25	13°11	9°18	12°33	12°17	21°31	29°6
T 13	15 23 30	22°21'37	10♈37	3°10	12°37	28°4	11°16	27°53	4°23	13°9	9°17	12°R33	12°13	21°38	29°10
F 14	15 27 27	23°19'30	25°37	2°50	13°50	28°38	11°31	27°58	4°20	13°8	9°16	12°33	12°10	21°44	29°13
S 15	15 31 24	24°17'20	10♈26	2°27	15°4	29°11	11°45	28°3	4°18	13°6	9°15	12°32	12°7	21°51	29°17
S 16	15 35 20	25°15'10	24°56	2°1	16°18	29°44	11°59	28°8	4°16	13°5	9°14	12°31	12°4	21°58	29°20
M17	15 39 17	26°12'58	9♈4	1°32	17°31	0♈18	12°13	28°12	4°13	13°3	9°13	12°29	12°1	22°4	29°23
T 18	15 43 13	27°10'44	22°45	1°1	18°45	0°51	12°27	28°17	4°11	13°2	9°12	12°28	11°58	22°11	29°27
W19	15 47 10	28°8'30	6♈0	0°27	19°59	1°25	12°41	28°22	4°9	13°0	9°11	12°26	11°54	22°18	29°30
T 20	15 51 6	29°6'15	18°50	29♈53	21°13	1°59	12°55	28°28	4°7	12°58	9°10	12°25	11°51	22°24	29°33
F 21	15 55 3	0♈35'8	1♈19	29°19	22°26	2°32	13°9	28°33	4°4	12°57	9°9	12°D25	11°48	22°31	29°36
S 22	15 58 59	1°14'0	13°30	28°44	23°40	3°6	13°23	28°38	4°2	12°55	9°8	12°25	11°45	22°38	29°40
S 23	16 2 56	1°59'21	25°29	28°10	24°54	3°40	13°37	28°43	4°0	12°54	9°7	12°26	11°42	22°44	29°43
M24	16 6 53	2°57'01	7°R20	27°38	26°7	4°14	13°51	28°49	3°58	12°52	9°6	12°28	11°38	22°51	29°46
T 25	16 10 49	3°54'41	19°8	27°7	27°21	4°48	14°5	28°54	3°56	12°51	9°6	12°29	11°35	22°58	29°49
W26	16 14 46	4°52'19	0♈56	26°39	28°35	5°22	14°19	29°0	3°54	12°49	9°5	12°31	11°32	23°4	29°52
T 27	16 18 42	5°49'56	12°48	26°13	29°49	5°56	14°33	29°5	3°52	12°47	9°4	12°R31	11°29	23°11	29°55
F 28	16 22 39	6°47'32	24°47	25°51	1♈2	6°30	14°47	29°11	3°50	12°46	9°3	12°31	11°26	23°18	29°59
S 29	16 26 35	7°45'07	6♈55	25°32	2°16	7°5	15°0	29°17	3°48	12°44	9°3	12°29	11°23	23°24	0♈2
S 30	16 30 32	8°42'41	19°14	25°17	3°30	7°39	15°14	29°23	3°46	12°43	9°2	12°26	11°19	23°31	0°5
M31	16 34 28	9♈40'13	1♈46	25♈6	4♈43	8♈13	15♈28	29♈28	3♈44	12♈41	9♈1	12♈22	11♈16	23°Y38	0♈8

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JUNE 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	16 38 25	10♈37'45	14♈30	24°R59	5♈57	8♈48	15♈41	29♈34	3°R42	12°R39	9°R1	12°R17	11♈13	23°Y44	0♈11
W 2	16 42 22	11°35'15	27°28	24°D57	7°11	9°22	15°55	29°40	3♈40	12°R38	9°R0	12°R13	11°10	23°51	0°14
T 3	16 46 18	12°32'44	10♈41	24♈59	8°24	9°57	16°9	29°46	3°38	12°36	9°0	12°9	11°7	23°57	0°16
F 4	16 50 15	13°30'12	24°8	25°5	9°38	10°31	16°22	29°53	3°36	12°34	8°59	12°6	11°4	24°4	0°19
S 5	16 54 11	14°27'39	7♈49	25°16	10°52	11°6	16°36	29°59	3°35	12°33	8°59	12°5	11°0	24°11	0°22
S 6	16 58 8	15°25'04	21°46	25°32	12°6	11°41	16°49	0♈5	3°33	12°31	8°58	12°D5	10°57	24°17	0°25
M 7	17 2 4	16°22'28	5♈56	25°52	13°19	12°15	17°2	0°11	3°31	12°30	8°58	12°6	10°54	24°24	0°28
T 8	17 6 1	17°19'51	20°20	26°16	14°33	12°50	17°16	0°18	3°30	12°28	8°58	12°7	10°51	24°31	0°30
W 9	17 9 57	18°17'13	4♈53	26°44	15°47	13°25	17°29	0°24	3°28	12°26	8°57	12°R8	10°48	24°37	0°33
T 10	17 13 54	19°14'34	19°33	27°17	17°0	14°0	17°42	0°30	3°27	12°25	8°57	12°8	10°44	24°44	0°36
F 11	17 17 51	20°11'54	4♈12	27°54	18°14	14°35	17°55	0°37	3°25	12°23	8°57	12°7	10°41	24°51	0°38
S 12	17 21 47	21°9'14	18°46	28°36	19°28	15°10	18°8	0°43	3°24	12°21	8°56	12°3	10°38	24°57	0°41
S 13	17 25 44	22°6'32	3♈7	29°21	20°41	15°45	18°21	0°50	3°22	12°20	8°56	11°58	10°35	25°4	0°44
M14	17 29 40	23°3'50	17°10	0♈10	21°55	16°20	18°34	0°57	3°21	12°18	8°56	11°52	10°32	25°11	0°46
T 15	17 33 37	24°1'07	0♈50	1°3	23°9	16°55	18°47	1°3	3°20	12°17	8°56	11°45	10°29	25°17	0°49
W16	17 37 33	24°58'24	14°6	2°0	24°22	17°30	19°0	1°10	3°18	12°15	8°56	11°39	10°25	25°24	0°51
T 17	17 41 30	25°55'41	26°59	3°0	25°36	18°6	19°13	1°17	3°17	12°14	8°56	11°34	10°22	25°31	0°54
F 18	17 45 26	26°52'57	9♈30	4°4	26°50	18°41	19°26	1°24	3°16	12°12	8°56	11°31	10°19	25°37	0°56
S 19	17 49 23	27°50'13	21°43	5°12	28°4	19°16	19°39	1°30	3°15	12°10	8°D56	11°29	10°16	25°44	0°58
S 20	17 53 20	28°47'28	3°Y43	6°23	29°17	19°52	19°51	1°37	3°14	12°9	8°56	11°D29	10°13	25°51	1°0
M21	17 57 16	29°44'43	15°34	7°38	0♈31	20°27	20°4	1°44	3°13	12°7	8°56	11°30	10°10	25°57	1°3
T 22	18 1 13	0♈41'59	27°22	8°57	1°45	21°3	20°16	1°51	3°12	12°6	8°56	11°31	10°6	26°4	1°5
W23	18 5 9	1°39'14	9♈12	10°18	2°58	21°38	20°29	1°58	3°11	12°4	8°56	11°R32	10°3	26°11	1°7
T 24	18 9 6	2°36'29	21°8	11°43	4°12	22°14	20°41	2°5	3°10	12°3	8°56	11°31	10°0	26°17	1°9
F 25	18 13 2	3°33'44	3♈15	13°12	5°26	22°49	20°53	2°13	3°9	12°1	8°56	11°29	9°57	26°24	1°11
S 26	18 16 59	4°30'58	15°34	14°44	6°40	23°25	21°6	2°20	3°8	12°0	8°56	11°24	9°54	26°30	1°13
S 27	18 20 55	5°28'13	28°9	16°19	7°53	24°1	21°18	2°27	3°7	11°58	8°57	11°18	9°50	26°37	1°15
M28	18 24 52	6°25'27	11♈0	17°57	9°7	24°37	21°30	2°34	3°7	11°57	8°57	11°9	9°47	26°44	1°17
T 29	18 28 49	7°22'41	24°6	19°38	10°21	25°12	21°42	2°41	3°6	11°56	8°57	11°0	9°44	26°50	1°19
W30	18 32 45	8°19'55	7♈27	21♈23	11♈35	25♈48	21♈54	2♈49	3♈5	11♈54	8♈58	10♈50	9♈41	26°Y57	1♈21

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SWISS EPHEMERIS for the year 1976

JULY 1976

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	18 36 42	9 ⁵ 17'08	21 ⁰ 0	23 ¹¹ 10	12 ⁵ 48	26 ⁰ 24	22 ⁸ 6	2 ⁰ 56	3 ⁰ R 5	11 ⁰ R53	8 ⁵ 58	10 ⁰ R42	9 ⁰ M38	27 ⁰ Y 4	1 ⁰ 23
F 2	18 40 38	10 ⁰ 14'21	4 ⁰ 44	25 ⁰ 1	14 ⁰ 2	27 ⁰ 0	22 ⁰ 17	3 ⁰ 3	3 ⁰ M 4	11 ⁰ 51	8 ⁰ 58	10 ⁰ M35	9 ⁰ 35	27 ⁰ 10	1 ⁰ 25
S 3	18 44 35	11 ⁰ 11'34	18 ⁰ 36	26 ⁰ 54	15 ⁰ 16	27 ⁰ 36	22 ⁰ 29	3 ⁰ 11	3 ⁰ 4	11 ⁰ 50	8 ⁰ 59	10 ⁰ 31	9 ⁰ 31	27 ⁰ 17	1 ⁰ 26
S 4	18 48 31	12 ⁰ 8'46	2 ⁰ 35	28 ⁰ 50	16 ⁰ 30	28 ⁰ 12	22 ⁰ 41	3 ⁰ 18	3 ⁰ 3	11 ⁰ 49	8 ⁰ 59	10 ⁰ 29	9 ⁰ 28	27 ⁰ 24	1 ⁰ 28
M 5	18 52 28	13 ⁰ 5'58	16 ⁰ 41	0 ⁰ 48	17 ⁰ 43	28 ⁰ 48	22 ⁰ 52	3 ⁰ 25	3 ⁰ 3	11 ⁰ 47	9 ⁰ 0	10 ⁰ D29	9 ⁰ 25	27 ⁰ 30	1 ⁰ 30
T 6	18 56 24	14 ⁰ 3'10	0 ⁰ M51	2 ⁰ 49	18 ⁰ 57	29 ⁰ 25	23 ⁰ 3	3 ⁰ 33	3 ⁰ 3	11 ⁰ 46	9 ⁰ 0	10 ⁰ 29	9 ⁰ 22	27 ⁰ 37	1 ⁰ 31
W 7	19 0 21	15 ⁰ 0'22	15 ⁰ 5	4 ⁰ 51	20 ⁰ 11	0 ⁰ 11	23 ⁰ 15	3 ⁰ 40	3 ⁰ 3	11 ⁰ 45	9 ⁰ 1	10 ⁰ R29	9 ⁰ 19	27 ⁰ 44	1 ⁰ 33
T 8	19 4 18	15 ⁰ 57'33	29 ⁰ 21	6 ⁰ 56	21 ⁰ 25	0 ⁰ 37	23 ⁰ 26	3 ⁰ 48	3 ⁰ 2	11 ⁰ 43	9 ⁰ 2	10 ⁰ 28	9 ⁰ 16	27 ⁰ 50	1 ⁰ 34
F 9	19 8 14	16 ⁰ 54'45	13 ⁰ 36	9 ⁰ 2	22 ⁰ 39	1 ⁰ 13	23 ⁰ 37	3 ⁰ 55	3 ⁰ 2	11 ⁰ 42	9 ⁰ 2	10 ⁰ 24	9 ⁰ 12	27 ⁰ 57	1 ⁰ 36
S 10	19 12 11	17 ⁰ 51'56	27 ⁰ 45	11 ⁰ 9	23 ⁰ 52	1 ⁰ 50	23 ⁰ 48	4 ⁰ 3	3 ⁰ 2	11 ⁰ 41	9 ⁰ 3	10 ⁰ 18	9 ⁰ 9	28 ⁰ 4	1 ⁰ 37
S 11	19 16 7	18 ⁰ 49'07	11 ⁰ 36	13 ⁰ 17	25 ⁰ 6	2 ⁰ 26	23 ⁰ 59	4 ⁰ 10	3 ⁰ D 2	11 ⁰ 40	9 ⁰ 4	10 ⁰ 9	9 ⁰ 6	28 ⁰ 10	1 ⁰ 38
M 12	19 20 4	19 ⁰ 46'19	25 ⁰ 32	15 ⁰ 26	26 ⁰ 20	3 ⁰ 2	24 ⁰ 10	4 ⁰ 18	3 ⁰ 2	11 ⁰ 38	9 ⁰ 4	9 ⁰ 59	9 ⁰ 3	28 ⁰ 17	1 ⁰ 40
T 13	19 24 0	20 ⁰ 43'31	9 ⁰ 1	17 ⁰ 35	27 ⁰ 34	3 ⁰ 39	24 ⁰ 21	4 ⁰ 26	3 ⁰ 2	11 ⁰ 37	9 ⁰ 5	9 ⁰ 48	9 ⁰ 0	28 ⁰ 23	1 ⁰ 41
W 14	19 27 57	21 ⁰ 40'43	22 ⁰ 10	19 ⁰ 45	28 ⁰ 47	4 ⁰ 15	24 ⁰ 32	4 ⁰ 33	3 ⁰ 2	11 ⁰ 36	9 ⁰ 6	9 ⁰ 37	8 ⁰ 56	28 ⁰ 30	1 ⁰ 42
T 15	19 31 54	22 ⁰ 37'55	4 ⁰ 59	21 ⁰ 54	0 ⁰ 1	4 ⁰ 52	24 ⁰ 42	4 ⁰ 41	3 ⁰ 2	11 ⁰ 35	9 ⁰ 7	9 ⁰ 28	8 ⁰ 53	28 ⁰ 37	1 ⁰ 43
F 16	19 35 50	23 ⁰ 35'08	17 ⁰ 28	24 ⁰ 2	1 ⁰ 15	5 ⁰ 29	24 ⁰ 53	4 ⁰ 48	3 ⁰ 3	11 ⁰ 34	9 ⁰ 8	9 ⁰ 20	8 ⁰ 50	28 ⁰ 43	1 ⁰ 44
S 17	19 39 47	24 ⁰ 32'22	29 ⁰ 40	26 ⁰ 10	2 ⁰ 29	6 ⁰ 5	25 ⁰ 3	4 ⁰ 56	3 ⁰ 3	11 ⁰ 33	9 ⁰ 9	9 ⁰ 16	8 ⁰ 47	28 ⁰ 50	1 ⁰ 45
S 18	19 43 43	25 ⁰ 29'36	11 ⁰ Y39	28 ⁰ 17	3 ⁰ 43	6 ⁰ 42	25 ⁰ 13	5 ⁰ 4	3 ⁰ 3	11 ⁰ 32	9 ⁰ 10	9 ⁰ 13	8 ⁰ 44	28 ⁰ 57	1 ⁰ 46
M 19	19 47 40	26 ⁰ 26'51	23 ⁰ 31	0 ⁰ 23	4 ⁰ 56	7 ⁰ 19	25 ⁰ 23	5 ⁰ 11	3 ⁰ 4	11 ⁰ 31	9 ⁰ 11	9 ⁰ D12	8 ⁰ 41	29 ⁰ 3	1 ⁰ 47
T 20	19 51 36	27 ⁰ 24'07	5 ⁰ 19	2 ⁰ 28	6 ⁰ 10	7 ⁰ 55	25 ⁰ 33	5 ⁰ 19	3 ⁰ 4	11 ⁰ 30	9 ⁰ 12	9 ⁰ R12	8 ⁰ 37	29 ⁰ 10	1 ⁰ 48
W 21	19 55 33	28 ⁰ 21'23	17 ⁰ 10	4 ⁰ 31	7 ⁰ 24	8 ⁰ 32	25 ⁰ 43	5 ⁰ 27	3 ⁰ 5	11 ⁰ 29	9 ⁰ 13	9 ⁰ 12	8 ⁰ 34	29 ⁰ 17	1 ⁰ 49
T 22	19 59 29	29 ⁰ 18'41	29 ⁰ 9	6 ⁰ 33	8 ⁰ 38	9 ⁰ 9	25 ⁰ 53	5 ⁰ 34	3 ⁰ 5	11 ⁰ 28	9 ⁰ 14	9 ⁰ 11	8 ⁰ 31	29 ⁰ 23	1 ⁰ 50
F 23	20 3 26	0 ⁰ 15'59	11 ⁰ 11	8 ⁰ 34	9 ⁰ 52	9 ⁰ 46	26 ⁰ 3	5 ⁰ 42	3 ⁰ 6	11 ⁰ 27	9 ⁰ 15	9 ⁰ 7	8 ⁰ 28	29 ⁰ 30	1 ⁰ 51
S 24	20 7 23	1 ⁰ 13'18	23 ⁰ 50	10 ⁰ 32	11 ⁰ 6	10 ⁰ 23	26 ⁰ 12	5 ⁰ 50	3 ⁰ 6	11 ⁰ 26	9 ⁰ 16	9 ⁰ 1	8 ⁰ 25	29 ⁰ 37	1 ⁰ 51
S 25	20 11 19	2 ⁰ 10'38	6 ⁰ 37	12 ⁰ 30	12 ⁰ 20	11 ⁰ 0	26 ⁰ 22	5 ⁰ 58	3 ⁰ 7	11 ⁰ 25	9 ⁰ 17	8 ⁰ 53	8 ⁰ 22	29 ⁰ 43	1 ⁰ 52
M 26	20 15 16	3 ⁰ 7'58	19 ⁰ 45	14 ⁰ 25	13 ⁰ 33	11 ⁰ 37	26 ⁰ 31	6 ⁰ 5	3 ⁰ 8	11 ⁰ 24	9 ⁰ 18	8 ⁰ 42	8 ⁰ 18	29 ⁰ 50	1 ⁰ 52
T 27	20 19 12	4 ⁰ 5'19	3 ⁰ 13	16 ⁰ 19	14 ⁰ 47	12 ⁰ 14	26 ⁰ 40	6 ⁰ 13	3 ⁰ 9	11 ⁰ 23	9 ⁰ 19	8 ⁰ 30	8 ⁰ 15	29 ⁰ 57	1 ⁰ 53
W 28	20 23 9	5 ⁰ 2'41	16 ⁰ 58	18 ⁰ 11	16 ⁰ 1	12 ⁰ 51	26 ⁰ 50	6 ⁰ 21	3 ⁰ 9	11 ⁰ 22	9 ⁰ 21	8 ⁰ 18	8 ⁰ 12	0 ⁰ 8 3	1 ⁰ 53
T 29	20 27 5	6 ⁰ 0'04	0 ⁰ 57	20 ⁰ 2	17 ⁰ 15	13 ⁰ 28	26 ⁰ 59	6 ⁰ 29	3 ⁰ 10	11 ⁰ 22	9 ⁰ 22	8 ⁰ 7	8 ⁰ 9	0 ⁰ 10	1 ⁰ 54
F 30	20 31 2	6 ⁰ 57'27	15 ⁰ 4	21 ⁰ 51	18 ⁰ 29	14 ⁰ 6	27 ⁰ 7	6 ⁰ 36	3 ⁰ 11	11 ⁰ 21	9 ⁰ 23	7 ⁰ 58	8 ⁰ 6	0 ⁰ 16	1 ⁰ 54
S 31	20 34 58	7 ⁰ 54'51	29 ⁰ 16	23 ⁰ 38	19 ⁰ 43	14 ⁰ 43	27 ⁰ 16	6 ⁰ 44	3 ⁰ M 12	11 ⁰ 20	9 ⁰ 25	7 ⁰ M 52	8 ⁰ M 2	0 ⁰ 23	1 ⁰ 54

Delta T = 46.98 sec.

AUGUST 1976

00:00 UT

Day	Sid.t	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	20 38 55	8♂52'15	13♂30	25♂24	20♂57	15♂20	27♂25	6♂52	3♂13	11°R20	9♂26	7°R49	7♂59	0♂30	1♂55
M 2	20 42 51	9°49'40	27°41	27° 8	22°10	15°58	27°33	7° 0	3°14	11♂19	9°27	7♂48	7°56	0°36	1°55
T 3	20 46 48	10°47'06	11♂49	28°50	23°24	16°35	27°42	7° 7	3°16	11°18	9°29	7°48	7°53	0°43	1°55
W 4	20 50 45	11°44'32	25°53	0♂30	24°38	17°12	27°50	7°15	3°17	11°18	9°30	7°47	7°50	0°50	1°55
T 5	20 54 41	12°41'59	9♂52	2° 9	25°52	17°50	27°58	7°23	3°18	11°17	9°32	7°46	7°47	0°56	1°R55
F 6	20 58 38	13°39'26	23°44	3°47	27° 6	18°27	28° 6	7°30	3°19	11°16	9°33	7°41	7°43	1° 3	1°55
S 7	21 2 34	14°36'55	7♂29	5°22	28°20	19° 5	28°14	7°38	3°21	11°16	9°35	7°34	7°40	1°10	1°55
S 8	21 6 31	15°34'24	21° 4	6°57	29°34	19°43	28°21	7°46	3°22	11°15	9°36	7°25	7°37	1°16	1°55
M 9	21 10 27	16°31'54	4♂28	8°29	0♂47	20°20	28°29	7°54	3°23	11°15	9°38	7°13	7°34	1°23	1°55
T 10	21 14 24	17°29'25	17°38	10° 0	2° 1	20°58	28°36	8° 1	3°25	11°15	9°39	7° 1	7°31	1°30	1°54
W 11	21 18 21	18°26'58	0♂32	11°29	3°15	21°36	28°43	8° 9	3°27	11°14	9°41	6°49	7°28	1°36	1°54
T 12	21 22 17	19°24'31	13° 9	12°56	4°29	22°13	28°50	8°17	3°28	11°14	9°43	6°38	7°24	1°43	1°54
F 13	21 26 14	20°22'06	25°31	14°22	5°43	22°51	28°57	8°24	3°30	11°13	9°44	6°30	7°21	1°50	1°53
S 14	21 30 10	21°19'42	7♂Y39	15°46	6°57	23°29	29° 4	8°32	3°31	11°13	9°46	6°24	7°18	1°56	1°53
S 15	21 34 7	22°17'19	19°36	17° 9	8°10	24° 7	29°11	8°39	3°33	11°13	9°48	6°21	7°15	2° 3	1°52
M 16	21 38 3	23°14'58	1♂26	18°30	9°24	24°45	29°17	8°47	3°35	11°13	9°49	6°D20	7°12	2° 9	1°52
T 17	21 42 0	24°12'39	13°14	19°48	10°38	25°23	29°23	8°55	3°37	11°12	9°51	6°20	7° 8	2°16	1°51
W 18	21 45 56	25°10'21	25° 5	21° 6	11°52	26° 1	29°29	9° 2	3°39	11°12	9°53	6°R20	7° 5	2°23	1°50
T 19	21 49 53	26° 8'05	7♂I 4	22°21	13° 6	26°39	29°35	9°10	3°41	11°12	9°55	6°19	7° 2	2°29	1°50
F 20	21 53 49	27° 5'50	19°17	23°34	14°20	27°17	29°41	9°17	3°43	11°12	9°57	6°17	6°59	2°36	1°49
S 21	21 57 46	28° 3'37	1♂649	24°45	15°33	27°56	29°47	9°25	3°45	11°12	9°58	6°13	6°56	2°43	1°48
S 22	22 1 43	29° 1'26	14°43	25°54	16°47	28°34	29°52	9°32	3°47	11°12	10° 0	6° 6	6°53	2°49	1°47
M 23	22 5 39	29°59'16	28° 1	27° 1	18° 1	29°12	29°58	9°40	3°49	11°D12	10° 2	5°57	6°49	2°56	1°46
T 24	22 9 36	0♂57'08	11♂44	28° 6	19°15	29°51	0♂I 3	9°47	3°51	11°12	10° 4	5°47	6°46	3° 3	1°45
W 25	22 13 32	1°55'01	25°48	29° 8	20°29	0♂29	0° 8	9°54	3°53	11°12	10° 6	5°37	6°43	3° 9	1°44
T 26	22 17 29	2°52'56	10♂10	0♂8	21°43	1° 7	0°13	10° 2	3°55	11°12	10° 8	5°27	6°40	3°16	1°43
F 27	22 21 25	3°50'53	24°43	1° 5	22°56	1°46	0°17	10° 9	3°58	11°12	10°10	5°20	6°37	3°23	1°42
S 28	22 25 22	4°48'50	9♂20	1°59	24°10	2°24	0°22	10°16	4° 0	11°12	10°12	5°15	6°33	3°29	1°41
S 29	22 29 18	5°46'50	23°54	2°50	25°24	3° 3	0°26	10°24	4° 2	11°12	10°14	5°13	6°30	3°36	1°40
M 30	22 33 15	6°44'50	8♂22	3°38	26°38	3°42	0°30	10°31	4° 5	11°13	10°16	5°D12	6°27	3°42	1°38
T 31	22 37 12	7♂42'52	22♂39	4♂23	27♂52	4♂20	0♂II 34	10♂38	4♂7	11♂13	10♂18	5♂13	6♂24	3♂49	1♂37

SWISS EPHEMERIS for the year 1976

SEPTEMBER 1976

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	22 41 8	8 ^h 40'55	6 ^h 44	5 ^h 4	29 ^h 5	4 ^h 59	0 ^h 38	10 ^h 45	4 ^h 10	11 ^h 13	10 ^h 20	5 ^h 13	6 ^h 21	3 ^h 56	1 ^h 36
T 2	22 45 5	9 ^h 39'00	20 ^h 36	5 ^h 41	0 ^h 19	5 ^h 38	0 ^h 41	10 ^h 52	4 ^h 12	11 ^h 13	10 ^h 22	5 ^h 13	6 ^h 18	4 ^h 2	1 ^h 34
F 3	22 49 1	10 ^h 37'06	4 ^h 35	6 ^h 14	1 ^h 33	6 ^h 17	0 ^h 45	11 ^h 0	4 ^h 15	11 ^h 14	10 ^h 24	5 ^h 10	6 ^h 14	4 ^h 9	1 ^h 33
S 4	22 52 58	11 ^h 35'14	17 ^h 41	6 ^h 43	2 ^h 47	6 ^h 55	0 ^h 48	11 ^h 7	4 ^h 17	11 ^h 14	10 ^h 26	5 ^h 6	6 ^h 11	4 ^h 16	1 ^h 31
S 5	22 56 54	12 ^h 33'23	0 ^h 55	7 ^h 7	4 ^h 0	7 ^h 34	0 ^h 51	11 ^h 14	4 ^h 20	11 ^h 15	10 ^h 28	4 ^h 59	6 ^h 8	4 ^h 22	1 ^h 30
M 6	23 0 51	13 ^h 31'33	13 ^h 56	7 ^h 27	5 ^h 14	8 ^h 13	0 ^h 54	11 ^h 21	4 ^h 23	11 ^h 15	10 ^h 30	4 ^h 51	6 ^h 5	4 ^h 29	1 ^h 28
T 7	23 4 47	14 ^h 29'45	26 ^h 44	7 ^h 40	6 ^h 28	8 ^h 52	0 ^h 56	11 ^h 27	4 ^h 25	11 ^h 15	10 ^h 33	4 ^h 42	6 ^h 2	4 ^h 36	1 ^h 26
W 8	23 8 44	15 ^h 27'59	9 ^h 19	7 ^h 49	7 ^h 42	9 ^h 31	0 ^h 59	11 ^h 34	4 ^h 28	11 ^h 16	10 ^h 35	4 ^h 33	5 ^h 59	4 ^h 42	1 ^h 25
T 9	23 12 41	16 ^h 26'14	21 ^h 42	7 ^h 51	8 ^h 55	10 ^h 10	1 ^h 1	11 ^h 41	4 ^h 31	11 ^h 16	10 ^h 37	4 ^h 25	5 ^h 55	4 ^h 49	1 ^h 23
F 10	23 16 37	17 ^h 24'31	3 ^h 53	7 ^h 48	10 ^h 9	10 ^h 50	1 ^h 3	11 ^h 48	4 ^h 34	11 ^h 17	10 ^h 39	4 ^h 19	5 ^h 52	4 ^h 56	1 ^h 21
S 11	23 20 34	18 ^h 22'50	15 ^h 54	7 ^h 38	11 ^h 23	11 ^h 29	1 ^h 5	11 ^h 55	4 ^h 37	11 ^h 18	10 ^h 41	4 ^h 15	5 ^h 49	5 ^h 2	1 ^h 19
S 12	23 24 30	19 ^h 21'11	27 ^h 47	7 ^h 21	12 ^h 36	12 ^h 8	1 ^h 6	12 ^h 2	4 ^h 39	11 ^h 18	10 ^h 43	4 ^h 13	5 ^h 46	5 ^h 9	1 ^h 17
M13	23 28 27	20 ^h 19'34	9 ^h 35	6 ^h 58	13 ^h 50	12 ^h 47	1 ^h 8	12 ^h 8	4 ^h 42	11 ^h 19	10 ^h 46	4 ^h D13	5 ^h 43	5 ^h 15	1 ^h 15
T 14	23 32 23	21 ^h 17'59	21 ^h 22	6 ^h 28	15 ^h 4	13 ^h 27	1 ^h 9	12 ^h 15	4 ^h 45	11 ^h 20	10 ^h 48	4 ^h 14	5 ^h 39	5 ^h 22	1 ^h 13
W15	23 36 20	22 ^h 16'27	3 ^h 12	5 ^h 51	16 ^h 17	14 ^h 6	1 ^h 10	12 ^h 21	4 ^h 48	11 ^h 20	10 ^h 50	4 ^h 16	5 ^h 36	5 ^h 29	1 ^h 11
T 16	23 40 16	23 ^h 14'56	15 ^h 10	5 ^h 8	17 ^h 31	14 ^h 45	1 ^h 11	12 ^h 28	4 ^h 51	11 ^h 21	10 ^h 52	4 ^h 17	5 ^h 33	5 ^h 35	1 ^h 9
F 17	23 44 13	24 ^h 13'28	27 ^h 22	4 ^h 19	18 ^h 45	15 ^h 25	1 ^h 12	12 ^h 34	4 ^h 54	11 ^h 22	10 ^h 55	4 ^h R17	5 ^h 30	5 ^h 42	1 ^h 7
S 18	23 48 10	25 ^h 12'01	9 ^h 52	3 ^h 25	19 ^h 58	16 ^h 4	1 ^h 12	12 ^h 41	4 ^h 57	11 ^h 23	10 ^h 57	4 ^h 16	5 ^h 27	5 ^h 49	1 ^h 5
S 19	23 52 6	26 ^h 10'37	22 ^h 45	2 ^h 26	21 ^h 12	16 ^h 44	1 ^h 12	12 ^h 47	5 ^h 1	11 ^h 24	10 ^h 59	4 ^h 13	5 ^h 24	5 ^h 55	1 ^h 3
M20	23 56 3	27 ^h 9'16	6 ^h 4	1 ^h 24	22 ^h 25	17 ^h 24	1 ^h R12	12 ^h 53	5 ^h 4	11 ^h 24	11 ^h 1	4 ^h 9	5 ^h 20	6 ^h 2	1 ^h 1
T 21	23 59 59	28 ^h 7'56	19 ^h 49	0 ^h 20	23 ^h 39	18 ^h 3	1 ^h 12	13 ^h 0	5 ^h 7	11 ^h 25	11 ^h 4	4 ^h 4	5 ^h 17	6 ^h 9	0 ^h 59
W22	0 3 56	29 ^h 6'38	4 ^h 2	29 ^h 15	24 ^h 53	18 ^h 43	1 ^h 12	13 ^h 6	5 ^h 10	11 ^h 26	11 ^h 6	3 ^h 58	5 ^h 14	6 ^h 15	0 ^h 56
T 23	0 7 52	0 ^h 5'23	18 ^h 36	28 ^h 11	26 ^h 6	19 ^h 23	1 ^h 11	13 ^h 12	5 ^h 13	11 ^h 27	11 ^h 8	3 ^h 53	5 ^h 11	6 ^h 22	0 ^h 54
F 24	0 11 49	1 ^h 4'09	3 ^h 42	27 ^h 9	27 ^h 20	20 ^h 3	1 ^h 11	13 ^h 18	5 ^h 17	11 ^h 28	11 ^h 11	3 ^h 50	5 ^h 8	6 ^h 29	0 ^h 52
S 25	0 15 45	2 ^h 2'58	18 ^h 25	26 ^h 12	28 ^h 33	20 ^h 43	1 ^h 10	13 ^h 24	5 ^h 20	11 ^h 29	11 ^h 13	3 ^h 47	5 ^h 4	6 ^h 35	0 ^h 49
S 26	0 19 42	3 ^h 1'48	3 ^h 12	25 ^h 21	29 ^h 47	21 ^h 22	1 ^h 9	13 ^h 30	5 ^h 23	11 ^h 30	11 ^h 15	3 ^h D46	5 ^h 1	6 ^h 42	0 ^h 47
M27	0 23 38	4 ^h 0'40	18 ^h 13	24 ^h 36	1 ^h 0	22 ^h 2	1 ^h 7	13 ^h 36	5 ^h 26	11 ^h 31	11 ^h 18	3 ^h 47	4 ^h 58	6 ^h 48	0 ^h 45
T 28	0 27 35	4 ^h 59'35	2 ^h 48	24 ^h 0	2 ^h 14	22 ^h 43	1 ^h 6	13 ^h 42	5 ^h 30	11 ^h 33	11 ^h 20	3 ^h 48	4 ^h 55	6 ^h 55	0 ^h 42
W29	0 31 32	5 ^h 58'31	17 ^h 5	23 ^h 33	3 ^h 27	23 ^h 23	1 ^h 4	13 ^h 47	5 ^h 33	11 ^h 34	11 ^h 22	3 ^h 50	4 ^h 52	7 ^h 2	0 ^h 40
T 30	0 35 28	6 ^h 57'28	1 ^h 1	23 ^h 16	4 ^h 14	24 ^h 3	1 ^h 12	13 ^h 53	5 ^h 17	11 ^h 35	11 ^h 25	3 ^h R51	4 ^h 14	7 ^h 8	0 ^h 37

Delta T = 47.17 sec.

OCTOBER 1976

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	0 39 25	7 ^h 56'28	14 ^h 38	23 ^h D 9	5 ^h 15	24 ^h 43	1 ^h R 0	13 ^h 59	5 ^h 14	11 ^h 36	11 ^h 27	3 ^h R51	4 ^h 14	7 ^h 15	0 ^h R35
S 2	0 43 21	8 ^h 55'29	27 ^h 55	23 ^h 12	7 ^h 8	25 ^h 23	0 ^h 57	14 ^h 4	5 ^h 43	11 ^h 37	11 ^h 29	3 ^h 14	4 ^h 42	7 ^h 22	0 ^h R32
S 3	0 47 18	9 ^h 54'31	10 ^h 54	23 ^h 26	8 ^h 21	26 ^h 3	0 ^h 55	14 ^h 10	5 ^h 47	11 ^h 39	11 ^h 32	3 ^h 47	4 ^h 39	7 ^h 28	0 ^h 29
M 4	0 51 14	10 ^h 53'36	23 ^h 38	23 ^h 50	9 ^h 35	26 ^h 44	0 ^h 52	14 ^h 15	5 ^h 50	11 ^h 40	11 ^h 34	3 ^h 44	4 ^h 36	7 ^h 35	0 ^h 27
T 5	0 55 11	11 ^h 52'42	6 ^h 8	24 ^h 24	10 ^h 48	27 ^h 24	0 ^h 49	14 ^h 20	5 ^h 54	11 ^h 41	11 ^h 36	3 ^h 40	4 ^h 33	7 ^h 42	0 ^h 24
W 6	0 59 7	12 ^h 51'50	18 ^h 27	25 ^h 6	12 ^h 1	28 ^h 5	0 ^h 46	14 ^h 26	5 ^h 57	11 ^h 43	11 ^h 39	3 ^h 37	4 ^h 30	7 ^h 48	0 ^h 22
T 7	1 3 4	13 ^h 51'01	0 ^h 35	25 ^h 57	13 ^h 15	28 ^h 45	0 ^h 43	14 ^h 31	6 ^h 1	11 ^h 44	11 ^h 41	3 ^h 34	4 ^h 26	7 ^h 55	0 ^h 19
F 8	1 7 1	14 ^h 50'13	12 ^h 36	26 ^h 56	14 ^h 28	29 ^h 26	0 ^h 39	14 ^h 36	6 ^h 5	11 ^h 45	11 ^h 43	3 ^h 32	4 ^h 23	8 ^h 2	0 ^h 16
S 9	1 10 57	15 ^h 49'27	24 ^h 29	28 ^h 1	15 ^h 42	0 ^h 16	0 ^h 35	14 ^h 41	6 ^h 8	11 ^h 47	11 ^h 46	3 ^h 31	4 ^h 20	8 ^h 8	0 ^h 14
S 10	1 14 54	16 ^h 48'43	6 ^h 18	29 ^h 13	16 ^h 55	0 ^h 47	0 ^h 32	14 ^h 46	6 ^h 12	11 ^h 48	11 ^h 48	3 ^h D30	4 ^h 17	8 ^h 15	0 ^h 11
M11	1 18 50	17 ^h 48'02	18 ^h 5	0 ^h 43	18 ^h 8	1 ^h 27	0 ^h 27	14 ^h 51	6 ^h 15	11 ^h 50	11 ^h 50	3 ^h 31	4 ^h 14	8 ^h 21	0 ^h 8
T 12	1 22 47	18 ^h 47'22	29 ^h 53	1 ^h 52	19 ^h 21	2 ^h 8	0 ^h 23	14 ^h 56	6 ^h 19	11 ^h 51	11 ^h 53	3 ^h 32	4 ^h 10	8 ^h 28	0 ^h 5
W13	1 26 43	19 ^h 46'45	11 ^h 14	3 ^h 18	20 ^h 35	2 ^h 49	0 ^h 19	15 ^h 0	6 ^h 23	11 ^h 53	11 ^h 55	3 ^h 33	4 ^h 7	8 ^h 35	0 ^h 3
T 14	1 30 40	20 ^h 46'10	23 ^h 44	4 ^h 48	21 ^h 48	3 ^h 30	0 ^h 14	15 ^h 5	6 ^h 26	11 ^h 54	11 ^h 57	3 ^h 35	4 ^h 4	8 ^h 41	0 ^h 0
F 15	1 34 36	21 ^h 45'38	5 ^h 55	6 ^h 20	23 ^h 1	4 ^h 11	0 ^h 9	15 ^h 9	6 ^h 30	11 ^h 56	12 ^h 0	3 ^h 36	4 ^h 1	8 ^h 48	29 ^h 57
S 16	1 38 33	22 ^h 45'07	18 ^h 23	7 ^h 54	24 ^h 14	4 ^h 52	0 ^h 4	15 ^h 14	6 ^h 34	11 ^h 58	12 ^h 2	3 ^h R36	3 ^h 58	8 ^h 55	29 ^h 54
S 17	1 42 30	23 ^h 44'39	1 ^h 11	9 ^h 31	25 ^h 28	5 ^h 33	29 ^h 59	15 ^h 18	6 ^h 37	11 ^h 59	12 ^h 4	3 ^h 36	3 ^h 55	9 ^h 1	29 ^h 52
M18	1 46 26	24 ^h 44'14	14 ^h 23	11 ^h 9	26 ^h 41	6 ^h 14	29 ^h 54	15 ^h 23	6 ^h 41	12 ^h 1	12 ^h 7	3 ^h 36	3 ^h 51	9 ^h 8	29 ^h 49
T 19	1 50 23	25 ^h 43'50	28 ^h 1	12 ^h 48	27 ^h 54	6 ^h 55	29 ^h 48	15 ^h 27	6 ^h 45	12 ^h 3	12 ^h 9	3 ^h 35	3 ^h 48	9 ^h 15	29 ^h 46
W20	1 54 19	26 ^h 43'29	12 ^h 17	14 ^h 29	29 ^h 7	7 ^h 36	29 ^h 43	15 ^h 31	6 ^h 48	12 ^h 4	12 ^h 11	3 ^h 34	3 ^h 45	9 ^h 21	29 ^h 43
T 21	1 58 16	27 ^h 43'10	26 ^h 39	16 ^h 9	0 ^h 20	8 ^h 17	29 ^h 37	15 ^h 35	6 ^h 52	12 ^h 6	12 ^h 14	3 ^h 33	3 ^h 42	9 ^h 28	29 ^h 40
F 22	2 2 12	28 ^h 42'53	11 ^h 43	17 ^h 51	1 ^h 33	8 ^h 58	29 ^h 31	15 ^h 39	6 ^h 56	12 ^h 8	12 ^h 16	3 ^h 33	3 ^h 39	9 ^h 35	29 ^h 37
S 23	2 6 9	29 ^h 42'39	26 ^h 39	19 ^h 32	2 ^h 46	9 ^h 40	29 ^h 25	15 ^h 43	7 ^h 0	12 ^h 9	12 ^h 18	3 ^h D32	3 ^h 36	9 ^h 41	29 ^h 35
S 24	2 10 5	0 ^h 14	11 ^h 52	21 ^h 14	3 ^h 59	10 ^h 21	29 ^h 19	15 ^h 46	7 ^h 3	12 ^h 11	12 ^h 20	3 ^h 32	3 ^h 32	9 ^h 48	29 ^h 32
M25	2 14 2	1 ^h 42'16	26 ^h 59	22 ^h 55	5 ^h 13	11 ^h 2	29 ^h 12	15 ^h 50	7 ^h 7	12 ^h 13	12 ^h 23	3 ^h 33	3 ^h 29	9 ^h 55	29 ^h 29
T 26	2 17 58	2 ^h 42'07	11 ^h 54	24 ^h 37	6 ^h 26	11 ^h 44	29 ^h 6	15 ^h 54	7 ^h 11	12 ^h 15	12 ^h 25	3 ^h 33	3 ^h 26	10 ^h 1	29 ^h 26
W27	2 21 55	3 ^h 42'00	26 ^h 28	26 ^h 18	7 ^h 39	12 ^h 25	28 ^h 59	15 ^h 57	7 ^h 15	12 ^h 17	12 ^h 27	3 ^h R33	3 ^h 23	10 ^h 8	29 ^h 23
T 28	2 25 52	4 ^h 41'55	10 ^h 38	27 ^h 59	8 ^h 52	13 ^h 7	28 ^h 52	16 ^h 0	7 ^h 18	12 ^h 19	12 ^h 29	3 ^h 33	3 ^h 20	10 ^h 14	29 ^h 21
F 29	2 29 48	5 ^h 41'51	24 ^h 21	29 ^h 39	10 ^h 5	13 ^h 49	28 ^h 46	16 ^h 4	7 ^h 22	12 ^h 21	12 ^h 31	3 ^h 33	3 ^h 16	10 ^h 21	29 ^h 18
S 30	2 33 45	6 ^h 41'49	7 ^h 40	1 ^h 12	11 ^h 18	14 ^h 30	28 ^h 39	16 ^h 7	7 ^h 26	12 ^h 22	12 ^h 34	3 ^h D33	3 ^h 13	10 ^h 28	29 ^h 15
S 31	2 37 41	7 ^h 14'48	20 ^h 35	3 ^h 10	12 ^h 30	15 ^h 12	28 ^h 31	16 ^h 10	7 ^h 13	12 ^h 24	12 ^h 36	3 ^h 13	3 ^h 10	10 ^h 34	29 ^h 12

SWISS EPHEMERIS for the year 1976

NOVEMBER 1976

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	2 41 38	8♎41'49	3♏11	4♎39	13♏43	15♎54	28°R24	16♎13	7♎33	12♏26	12♎38	3♎33	3♎ 7	10♏41	29°R 9
T 2	2 45 34	9°41'52	15°30	6°18	14°56	16°36	28♏17	16°16	7°37	12°28	12°40	3°34	3° 4	10°48	29°R 7
W 3	2 49 31	10°41'56	27°37	7°57	16° 9	17°17	28° 9	16°18	7°41	12°30	12°42	3°34	3° 1	10°54	29° 4
T 4	2 53 27	11°42'02	9°35	9°35	17°22	17°59	28° 2	16°21	7°45	12°32	12°44	3°35	2°57	11° 1	29° 1
F 5	2 57 24	12°42'10	21°27	11°13	18°34	18°41	27°54	16°24	7°48	12°34	12°47	3°36	2°54	11° 8	28°58
S 6	3 1 21	13°42'19	3♏15	12°51	19°47	19°23	27°47	16°26	7°52	12°36	12°49	3°R36	2°51	11°14	28°56
S 7	3 5 17	14°42'30	15° 3	14°28	21° 0	20° 6	27°39	16°28	7°56	12°38	12°51	3°36	2°48	11°21	28°53
M 8	3 9 14	15°42'43	26°52	16° 4	22°13	20°48	27°31	16°31	8° 0	12°40	12°53	3°35	2°45	11°28	28°50
T 9	3 13 10	16°42'58	8♎44	17°41	23°25	21°30	27°23	16°33	8° 3	12°42	12°55	3°33	2°41	11°34	28°48
W10	3 17 7	17°43'14	20°42	19°17	24°38	22°12	27°15	16°35	8° 7	12°45	12°57	3°31	2°38	11°41	28°45
T 11	3 21 3	18°43'33	2♏48	20°52	25°50	22°54	27° 7	16°37	8°11	12°47	12°59	3°29	2°35	11°47	28°42
F 12	3 25 0	19°43'53	15° 5	22°27	27° 3	23°37	26°59	16°39	8°15	12°49	13° 1	3°27	2°32	11°54	28°40
S 13	3 28 56	20°44'16	27°34	24° 2	28°15	24°19	26°51	16°40	8°18	12°51	13° 3	3°25	2°29	12° 1	28°37
S 14	3 32 53	21°44'40	10♎21	25°37	29°28	25° 2	26°43	16°42	8°22	12°53	13° 5	3°23	2°26	12° 7	28°35
M15	3 36 50	22°45'06	23°27	27°11	0♏40	25°44	26°35	16°43	8°26	12°55	13° 7	3°D23	2°22	12°14	28°32
T 16	3 40 46	23°45'34	6♎55	28°46	1°52	26°27	26°27	16°45	8°29	12°57	13° 9	3°23	2°19	12°21	28°30
W17	3 44 43	24°46'03	20°47	0♏19	3° 5	27° 9	26°18	16°46	8°33	12°59	13°10	3°25	2°16	12°27	28°27
T 18	3 48 39	25°46'35	5♎4	1°53	4°17	27°52	26°10	16°47	8°37	13° 2	13°12	3°26	2°13	12°34	28°25
F 19	3 52 36	26°47'09	19°43	3°26	5°29	28°35	26° 2	16°48	8°40	13° 4	13°14	3°27	2°10	12°41	28°22
S 20	3 56 32	27°47'44	4♎41	5° 0	6°42	29°17	25°54	16°49	8°44	13° 6	13°16	3°R28	2° 7	12°47	28°20
S 21	4 0 29	28°48'21	19°50	6°33	7°54	0♏ 0	25°46	16°50	8°47	13° 8	13°18	3°27	2° 3	12°54	28°18
M22	4 4 25	29°48'59	5♎1	8° 6	9° 6	0°43	25°38	16°51	8°51	13°10	13°20	3°25	2° 0	13° 1	28°15
T 23	4 8 22	0♏49'39	20° 5	9°38	10°18	1°26	25°29	16°51	8°55	13°13	13°21	3°21	1°57	13° 7	28°13
W24	4 12 19	1°50'20	4♏51	11°11	11°30	2° 9	25°21	16°52	8°58	13°15	13°23	3°17	1°54	13°14	28°11
T 25	4 16 15	2°51'03	19°14	12°43	12°42	2°52	25°13	16°52	9° 2	13°17	13°25	3°13	1°51	13°21	28° 9
F 26	4 20 12	3°51'46	3♏9	14°15	13°54	3°35	25° 5	16°53	9° 5	13°19	13°26	3° 9	1°47	13°27	28° 6
S 27	4 24 8	4°52'31	16°35	15°47	15° 6	4°18	24°57	16°53	9° 9	13°22	13°28	3° 6	1°44	13°34	28° 4
S 28	4 28 5	5°53'16	29°35	17°19	16°17	5° 1	24°49	16°R53	9°12	13°24	13°30	3° 5	1°41	13°40	28° 2
M29	4 32 1	6°54'03	12♏10	18°50	17°29	5°45	24°42	16°53	9°16	13°26	13°31	3°D 5	1°38	13°47	28° 0
T 30	4 35 58	7°54'50	24♏27	20♏22	18♏41	6♏28	24♏34	16♏52	9♎19	13♏28	13♏33	3♎ 6	1♎35	13♏54	27°R58

Delta T = 47.34 sec.

DECEMBER 1976

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	4 39 54	8♏55'38	6♏29	21♏53	19♏52	7♏11	24°R26	16°R52	9♎23	13♏31	13♏34	3♎ 7	1♎32	14♏ 0	27°R56
T 2	4 43 51	9°56'27	18°22	23°24	21° 4	7°55	24♏18	16♏52	9°26	13°33	13°36	3° 9	1°28	14° 7	27°R54
F 3	4 47 48	10°57'18	0♏9	24°55	22°15	8°38	24°11	16°51	9°29	13°35	13°37	3°R10	1°25	14°14	27°52
S 4	4 51 44	11°58'09	11°56	26°25	23°27	9°22	24° 4	16°51	9°33	13°37	13°39	3°10	1°22	14°20	27°50
S 5	4 55 41	12°59'01	23°45	27°55	24°38	10° 5	23°56	16°50	9°36	13°40	13°40	3° 7	1°19	14°27	27°49
M 6	4 59 37	13°59'54	5♎39	29°25	25°49	10°49	23°49	16°49	9°39	13°42	13°42	3° 3	1°16	14°34	27°47
T 7	5 3 34	15° 0'48	17°40	0♏54	27° 0	11°32	23°42	16°48	9°42	13°44	13°43	2°57	1°13	14°40	27°45
W 8	5 7 30	16° 1'44	29°49	2°23	28°11	12°16	23°35	16°47	9°46	13°46	13°45	2°49	1° 9	14°47	27°43
T 9	5 11 27	17° 2'40	12♏8	3°51	29°22	13° 0	23°28	16°46	9°49	13°49	13°46	2°41	1° 6	14°54	27°42
F 10	5 15 23	18° 3'37	24°38	5°18	0♏33	13°43	23°21	16°44	9°52	13°51	13°47	2°32	1° 3	15° 0	27°40
S 11	5 19 20	19° 4'35	7♎19	6°44	1°44	14°27	23°15	16°43	9°55	13°53	13°48	2°24	1° 0	15° 7	27°39
S 12	5 23 17	20° 5'34	20°13	8° 9	2°54	15°11	23° 8	16°41	9°58	13°55	13°50	2°18	0°57	15°14	27°37
M13	5 27 13	21° 6'35	3♎21	9°33	4° 5	15°55	23° 2	16°40	10° 1	13°58	13°51	2°15	0°53	15°20	27°36
T 14	5 31 10	22° 7'36	16°45	10°55	5°15	16°39	22°55	16°38	10° 4	14° 0	13°52	2°D13	0°50	15°27	27°35
W15	5 35 6	23° 8'38	0♏27	12°16	6°25	17°23	22°49	16°36	10° 7	14° 2	13°53	2°13	0°47	15°34	27°33
T 16	5 39 3	24° 9'42	14°28	13°34	7°36	18° 7	22°43	16°34	10°10	14° 4	13°54	2°14	0°44	15°40	27°32
F 17	5 42 59	25°10'46	28°47	14°50	8°46	18°51	22°38	16°32	10°13	14° 7	13°55	2°R15	0°41	15°47	27°31
S 18	5 46 56	26°11'51	13♎23	16° 4	9°56	19°35	22°32	16°30	10°16	14° 9	13°56	2°14	0°38	15°53	27°30
S 19	5 50 52	27°12'58	28°12	17°13	11° 6	20°20	22°27	16°28	10°19	14°11	13°57	2°12	0°34	16° 0	27°28
M20	5 54 49	28°14'05	13♏8	18°19	12°15	21° 4	22°21	16°25	10°22	14°13	13°58	2° 6	0°31	16° 7	27°27
T 21	5 58 46	29°15'12	28° 2	19°21	13°25	21°48	22°16	16°23	10°25	14°16	13°59	1°59	0°28	16°13	27°26
W22	6 2 42	0♏16'20	12♏45	20°17	14°35	22°33	22°11	16°20	10°28	14°18	14° 0	1°49	0°25	16°20	27°25
T 23	6 6 39	1°17'29	27°10	21° 7	15°44	23°17	22° 6	16°18	10°30	14°20	14° 1	1°39	0°22	16°27	27°24
F 24	6 10 35	2°18'38	11♎10	21°51	16°53	24° 1	22° 2	16°15	10°33	14°22	14° 2	1°30	0°19	16°33	27°24
S 25	6 14 32	3°19'46	24°43	22°26	18° 2	24°46	21°57	16°12	10°36	14°24	14° 3	1°22	0°15	16°40	27°23
S 26	6 18 28	4°20'55	7♎48	22°54	19°11	25°31	21°53	16° 9	10°38	14°26	14° 3	1°16	0°12	16°47	27°22
M27	6 22 25	5°22'04	20°28	23°12	20°20	26°15	21°49	16° 6	10°41	14°29	14° 4	1°13	0° 9	16°53	27°21
T 28	6 26 22	6°23'13	2°R19	23°R19	21°29	27° 0	21°45	16° 3	10°43	14°31	14° 5	1°D11	0° 6	17° 0	27°21
W29	6 30 18	7°24'22	14°50	23°16	22°37	27°44	21°42	16° 0	10°46	14°33	14° 6	1°11	0° 3	17° 7	27°20
T 30	6 34 15	8°25'31	26°42	23° 0	23°45	28°29	21°38	15°57	10°48	14°35	14° 6	1°R12	29♏59	17°13	27°20
F 31	6 38 11	9♏26'40	8♏29	22♏33	24♏53	29♏14	21♏35	15♏53	10♎51	14♏37	14♏ 7	1♎12	29♏56	17♏20	27°R19

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