

THIS PROGRAM DERIVES A TABLE OF SECULAR CHANGE IN
MAGNETIC DECLINATION FOR A SPECIFIED POINT IN THE
CONTERMINOUS UNITED STATES. IT UTILIZES THE USD
POLYNOMIAL & THE SPHERICAL HARMONIC MODELS

LIMITATIONS		
MODEL	DATE	AREA
USD80.DAT	1750-1980	NORTHEAST
USD80.DAT	1800-1980	REMAINDER OF USA
USAMODEL	1985-1995	ENTIRE USA

ESTIMATED VALUES OF MAGNETIC DECLINATION

LAT: 40 DEG 37 MIN NORTH
LONG: 111 DEG 30 MIN WEST
CITY & STATE: Loyal's Project

YEAR	DECLINATION
1879	17 2 EAST
1880	17 1
1890	16 47
1900	16 51
1905	17 5
1910	17 20
1915	17 30
1920	17 31
1925	17 21
1930	17 13
1935	17 12
1940	17 6
1945	16 57
1950	16 44
1955	16 34
1960	16 26
1965	16 15
1970	15 59
1975	15 32
1980	15 0
1985	14 28
1990	14 8
1995	13 48
2000	13 27

The values of Declination are given in units of degrees and minutes of arc.

Values for intervening years may be found by interpolation.