

**STATE  
TABLES  
OF  
MAGNETIC  
DECLINATION**

Prepared by  
**The National Geophysical Data Center**



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

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## VALUES OF MAGNETIC DECLINATION

These tables give the estimated values of magnetic declination at each degree of latitude and longitude, covering most of Connecticut. Where available, the values are given from 1750 to 1900 at ten-year intervals, and from 1900 to the present at five-year intervals, in units of degrees and minutes of arc. Values for intervening years may be found by interpolation. Also, values for a few years beyond 1980 may be derived by extrapolation.

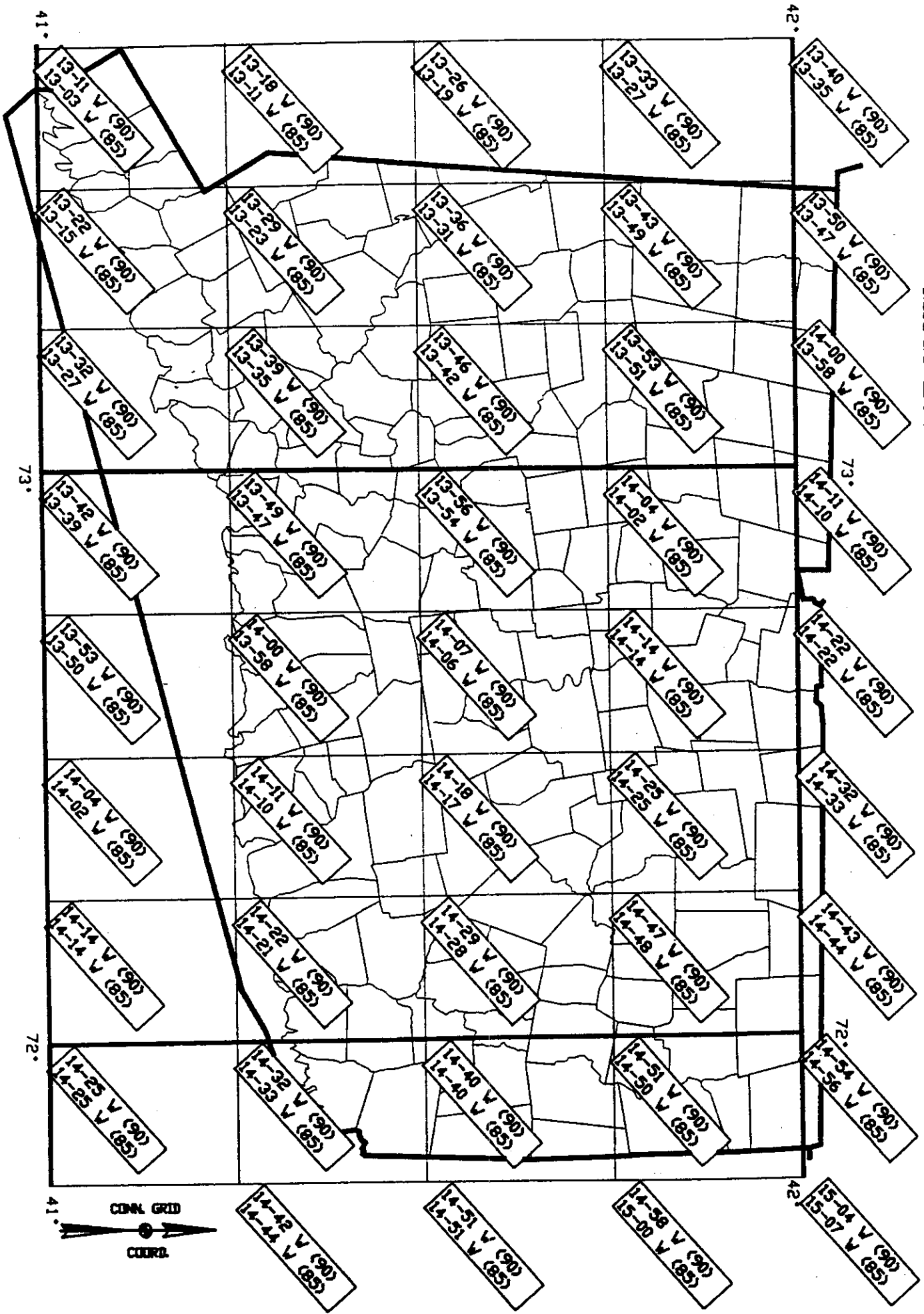
Values of declination from 1972.5 have been obtained using the data models used to prepare U.S.G.S. Map I-1283, "Magnetic Declination in the United States, 1980.0" and values from 1967.5 through 1972.5 were obtained from models used to prepare U.S.G.S. Map I-911, "Magnetic Declination in the United States, 1975.0." Values from 1955 through 1967.5 were derived using unpublished data. Values prior to 1955 were derived using the source data of table 4 of Coast and Geodetic Survey Publication 40-2, "United States Magnetic Tables for 1960."

The accuracy of the 1980 values is generally within 20 minutes, but natural or artificial disturbances could cause differences of several degrees. The values of declination have been given to the nearest minute so that secular change may be properly illustrated.

The accuracy of the secular change for the most recent decades is probably within two minutes for a ten-year period. For the earlier part of the table, the secular change is less reliable.



MAGNETIC DECLINATION (1985) (1990)



41°

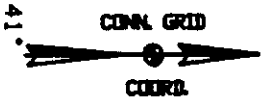
42°

73°

73°

72°

72°



41°

42°

14-42 V (90)  
14-44 V (85)

14-51 V (90)  
14-51 V (85)

14-58 V (90)  
14-58 V (85)

15-04 V (90)  
15-07 V (85)





VALUES OF MAGNETIC DECLINATION

LAT	LONG	118	119	120	121	122	123	124	69	70	71	72	73	74	75	76	77	LAT	LONG
1750	N A	N A	N A	N A	N A	N A	N A	N A	9 09W	8 39W	8 12W	7 44W	7 23W	7 02W	6 35W	6 08W	5 24W	1750	
1760	N A	N A	N A	N A	N A	N A	N A	N A	8 52	8 18	7 47	7 14	6 48	6 21	5 53	5 25	4 41	1760	
1770	N A	N A	N A	N A	N A	N A	N A	N A	8 44	8 06	7 30	6 53	6 22	5 50	5 18	4 46	4 00	1770	
1780	N A	N A	N A	14 49E	14 50E	14 51E	14 48E	14 44E	8 48	8 04	7 23	6 40	6 03	5 24	4 48	4 13	3 26	1780	
1790	N A	N A	N A	15 15	15 16	15 16	15 13	15 09	8 58	8 10	7 24	6 38	5 55	5 12	4 32	3 52	3 03	1790	
1800	N A	N A	N A	15 41	15 41	15 41	15 38	15 34	9 21	8 29	7 38	6 46	5 59	5 10	4 25	3 41	2 50	1800	
1810	N A	N A	N A	16 07	16 07	16 06	16 03	15 59	9 50	8 54	7 59	7 03	6 11	5 18	4 30	3 41	2 49	1810	
1820	N A	N A	N A	16 33	16 32	16 31	16 28	15 24	10 26	9 27	8 29	7 30	6 34	5 38	4 46	3 54	2 59	1820	
1830	16 58E	16 58E	16 59	16 58	16 56	16 55	16 53	16 49	11 08	10 06	9 06	8 04	7 06	6 02	5 12	4 17	3 20	1830	
1840	17 22	17 22	17 23	17 22	17 20	17 17	17 13	17 13	11 53	10 50	9 49	8 46	7 46	6 42	5 47	4 50	3 51	1840	
1850	17 46	17 47	17 49	17 48	17 47	17 45	17 42	17 42	12 41	11 37	10 34	9 29	8 28	7 26	6 26	5 27	4 27	1850	
1860	18 13	18 15	18 18	18 19	18 19	18 19	18 17	18 17	13 25	12 21	11 17	10 12	9 10	8 04	7 06	6 05	5 04	1860	
1870	18 33	18 37	18 42	18 44	18 45	18 46	18 46	18 46	13 56	12 52	11 51	10 47	9 47	8 45	7 45	6 45	5 44	1870	
1880	18 37	18 42	18 49	18 53	18 56	18 59	19 00	14 21	14 21	13 22	12 24	11 24	10 27	9 28	8 31	7 33	6 33	1880	
1890	18 30	18 45	18 53	18 58	19 03	19 07	19 10	14 40	14 40	13 43	12 47	11 49	10 54	9 57	9 02	8 06	7 09	1890	
1900	18 52	19 00	19 10	19 17	19 23	19 28	19 32	19 32	15 06	14 12	13 18	12 22	11 27	10 32	9 38	8 43	7 47	1900	
1905	19 09	19 19	19 29	19 37	19 44	19 49	19 53	15 32	15 32	14 39	13 45	12 49	11 53	10 58	10 01	9 05	8 08	1905	
1910	19 27	19 37	19 48	19 57	20 05	20 10	20 14	16 01	16 01	15 07	14 13	13 17	12 21	11 23	10 27	9 30	8 31	1910	
1915	19 38	19 49	19 59	20 08	20 16	20 21	20 25	16 29	16 29	15 35	14 41	13 45	12 48	11 50	10 53	9 56	8 57	1915	
1920	19 40	19 51	20 02	20 11	20 19	20 25	20 29	16 48	16 48	15 55	15 01	14 05	13 08	12 09	11 12	10 14	9 14	1920	
1925	19 32	19 43	19 55	20 04	20 13	20 19	20 24	17 12	17 12	16 20	15 26	14 30	13 32	12 34	11 36	10 38	9 38	1925	
1930	19 24	19 35	19 47	19 57	20 06	20 12	20 16	17 29	17 29	16 37	15 44	14 48	13 51	12 52	11 55	10 56	9 56	1930	
1935	19 22	19 34	19 46	19 55	20 04	20 10	20 14	17 43	17 43	16 50	15 57	15 01	14 04	13 04	12 07	11 08	10 07	1935	
1940	19 17	19 29	19 41	19 51	20 00	20 06	20 10	17 48	17 48	16 55	16 00	15 04	14 06	13 06	12 07	11 07	10 06	1940	
1945	19 06	19 18	19 30	19 40	19 49	19 55	19 59	17 53	17 53	16 59	16 04	15 06	14 07	13 07	12 07	11 06	10 04	1945	
1950	18 52	19 04	19 17	19 27	19 36	19 42	19 46	17 48	17 48	16 54	16 00	15 00	14 00	13 00	11 59	10 58	9 56	1950	
1955	18 42	18 54	19 07	19 17	19 26	19 33	19 37	17 47	17 47	16 53	16 00	15 00	14 00	13 00	11 59	10 57	9 55	1955	
1960	18 34	18 46	18 58	19 09	19 18	19 25	19 29	17 46	17 46	16 53	16 00	15 00	14 00	13 03	12 02	11 01	9 59	1960	
1965	18 25	18 37	18 50	19 00	19 10	19 17	19 21	17 40	17 40	16 49	15 56	15 01	14 04	13 03	12 07	11 07	10 07	1965	
1970	18 09	18 22	18 35	18 46	18 57	19 04	19 09	17 35	17 35	16 46	15 55	15 01	14 06	13 10	12 12	11 14	10 15	1970	
1975	17 45	17 58	18 12	18 24	18 35	18 43	18 49	17 31	17 31	16 45	15 57	15 06	14 14	13 20	12 26	11 30	10 33	1975	
1980	17 16	17 29	17 43	17 56	18 07	18 16	18 23	17 33	17 33	16 51	16 06	15 18	14 29	13 39	12 47	11 54	11 00	1980	
1985	16 46E	17 00E	17 14E	17 27E	17 39E	17 49E	17 56E	17 35W	16 56W	16 14W	15 30W	14 44W	13 54W	13 08W	12 18W	11 27W		1985	

TABLE PREPARED BY NATIONAL GEOPHYSICAL DATA CENTER, E O I S, N O A A. 82/12/15