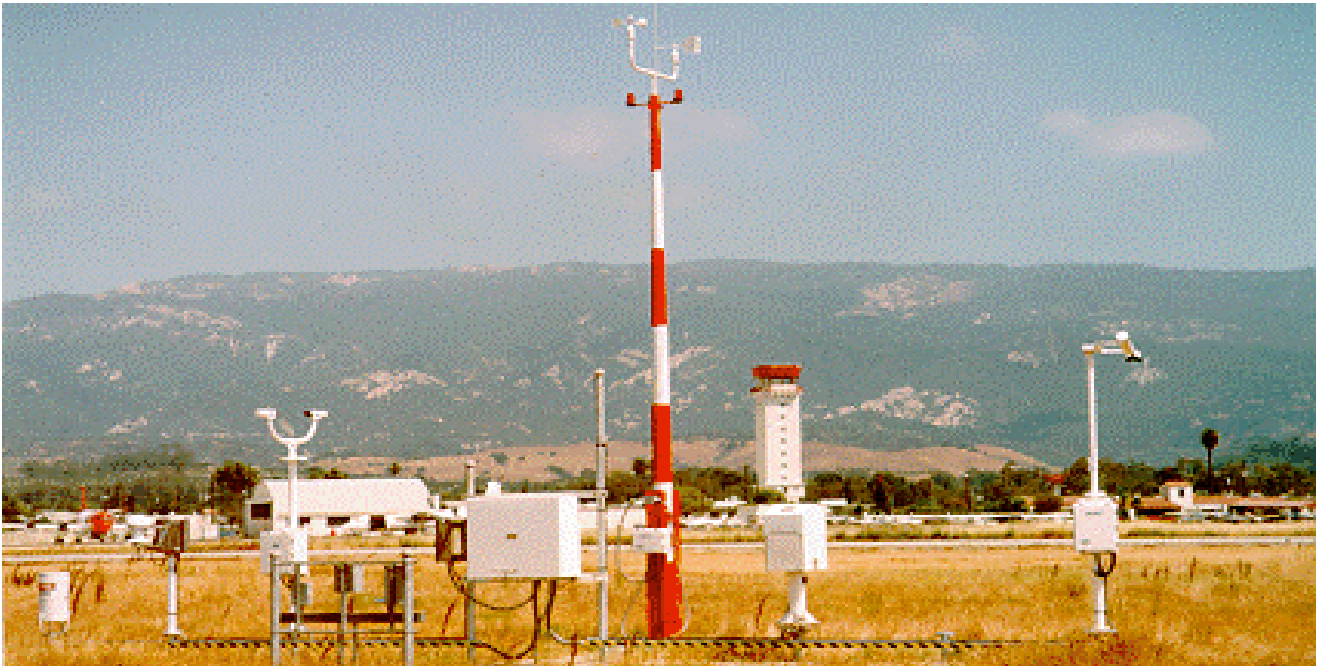
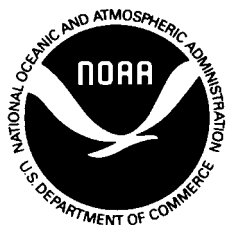




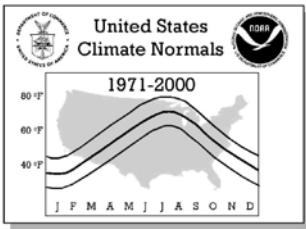
**Monthly Station Normals  
of Temperature, Precipitation,  
and Heating and Cooling  
Degree Days  
1971 - 2000**



**32  
NORTH DAKOTA**



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE  
NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, NC

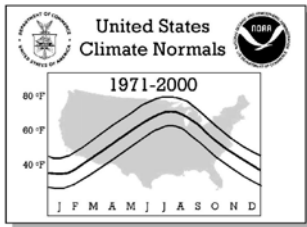


**CLIMATOGRAPHY OF THE UNITED STATES NO. 81**  
Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

**NORTH DAKOTA**

Page 2

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**NOTES**

Product Description:

This Climatography includes 1971-2000 normals of monthly and annual maximum, minimum, and mean temperature (degrees F), monthly and annual total precipitation (inches), and heating and cooling degree days (base 65 degrees F). Normals stations include both National Weather Service Cooperative Network and Principal Observation (First-Order) locations in the 50 states, Puerto Rico, the Virgin Islands, and Pacific Islands.

Abbreviations:

- |  |   |
|--|---|
| <b>No.</b> = Station Number in State Map   | <b>Latitude</b> = Latitude in degrees, minutes, and hemisphere (N=North, S=South) |
| <b>COOP ID</b> = Cooperative Network ID (1:2=State ID, 3:6=Station Index)                        | <b>Longitude</b> = Longitude in degrees, minutes, and hemisphere (W=West, E=East) |
| <b>WBAN ID</b> = Weather Bureau Army Navy ID, if assigned  | <b>Elev</b> = Elevation in feet above mean sea level                              |
| <b>Elements</b> = Input Elements (X=Maximum Temperature, N=Minimum Temperature, P=Precipitation) | <b>Flag 1</b> = * if a published <i>Local Climatological Data</i> station         |
| <b>Call</b> = 3-Letter Station Call Sign, if assigned  | <b>Flag 2</b> = + if WMO Fully Qualified (see <i>Note</i> below)                  |
| <b>MAX</b> = Normal Maximum Temperature (degrees Fahrenheit)                                     | <b>HIGHEST MEAN/YEAR</b> = Maximum Mean Monthly Value/Year, 1971-2000             |
| <b>MEAN</b> = Average of MAX and MIN (degrees Fahrenheit)  | <b>MEDIAN</b> = Median Mean Monthly Value/Year, 1971-2000                         |
| <b>MIN</b> = Normal Minimum Temperature (degrees Fahrenheit)                                     | <b>LOWEST MEAN/YEAR</b> = Minimum Mean Monthly Value/Year, 1971-2000              |
| <b>HDD</b> = Total Heating Degree Days (base 65 degrees Fahrenheit)                              | <b>MAX OBS TIME ADJUSTMENT</b> = Add to MAX to Get Midnight Obs. Schedule         |
| <b>CDD</b> = Total Cooling Degree Days (base 65 degrees Fahrenheit)                              | <b>MIN OBS TIME ADJUSTMENT</b> = Add to MIN to Get Midnight Obs. Schedule         |

*Note:* In 1989, the World Meteorological Organization (WMO) prescribed standards of data completeness for the 1961-1990 WMO Standard Normals. For full qualification, no more than three consecutive year-month values can be missing for a given month or no more than five overall values can be missing for a given month (out of 30 values). Stations meeting these standards are indicated with a '+' sign in Flag 2. Otherwise, stations are included in the normals if they have at least 10 year-month values for each month and have been active since January 1999 or were a previous normals station.

Map Legend: Numbers correspond to 'No.' in Station Inventory; Shaded Circles indicate Temperature and Precipitation Stations, Triangles (Point Up) indicate Precipitation-Only Stations, Triangles (Point Down) indicate Temperature-Only Stations, and Hexagons indicate stations with Flag 1 = \*.

Computational Procedures:

A climate normal is defined, by convention, as the arithmetic mean of a climatological element computed over three consecutive decades (WMO, 1989). Ideally, the data record for such a 30-year period should be free of any inconsistencies in observational practices (e.g., changes in station location, instrumentation, time of observation, etc.) and be serially complete (i.e., no missing values). When present, inconsistencies can lead to a non-climatic bias in one period of a station's record relative to another, yielding an "inhomogeneous" data record. Adjustments and estimations can make a climate record "homogeneous" and serially complete, and allow a climate normal to be calculated simply as the average of the 30 monthly values.

The methodology employed to generate the 1971-2000 normals is not the same as in previous normals, as it addresses inhomogeneity and missing data value problems using several steps. The technique developed by Karl *et al.* (1986) is used to adjust monthly maximum and minimum temperature observations of conterminous U.S. stations to a consistent midnight-to-midnight schedule. All monthly temperature averages and precipitation totals are cross-checked against archived daily observations to ensure internal consistency. Each monthly observation is evaluated using a modified quality control procedure (Peterson *et al.*, 1998), where station observation departures are computed, compared with neighboring stations, and then flagged and estimated where large differences with neighboring values exist. Missing or discarded temperature and precipitation observations are replaced using a weighting function derived from the observed relationship between a candidate's monthly observations and those of up to 20 neighboring stations whose observations are most strongly correlated with the candidate site. For temperature estimates, neighboring stations were selected from the U.S. Historical Climatology Network (USHCN; Karl *et al.* 1990). For precipitation estimates, all available stations were potential neighbors, maximizing station density for estimating the more spatially variable precipitation values.

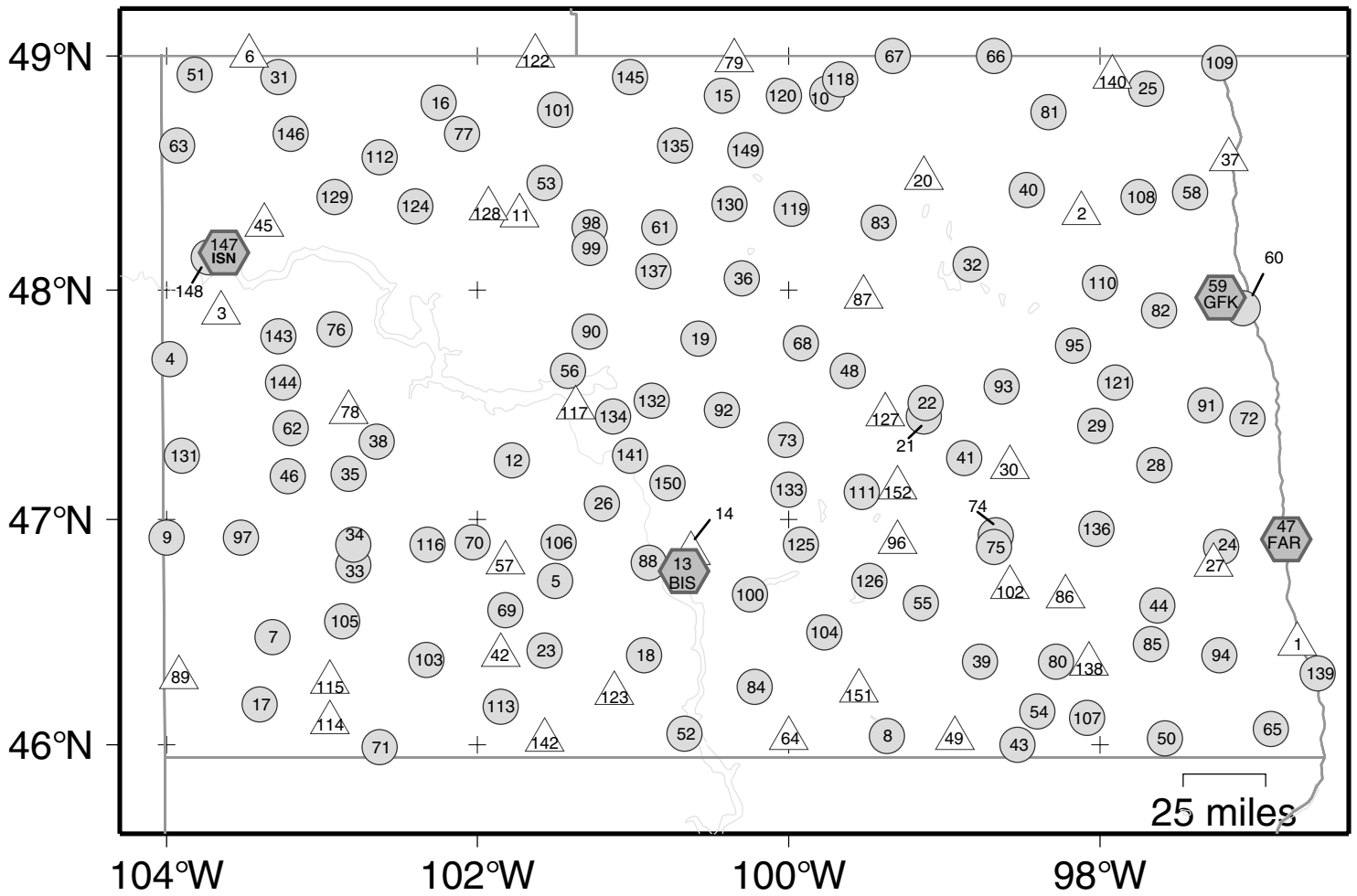
Peterson and Easterling (1994) and Easterling and Peterson (1995) outline the method for adjusting temperature inhomogeneities. This technique involves comparing the record of the candidate station with a reference series generated from neighboring data. The reference series is reconstructed using a weighted average of first difference observations (the difference from one year to the next) for neighboring stations with the highest correlation with the candidate. The underlying assumption behind this methodology is that temperatures over a region have similar tendencies in variation. If this assumption is violated, the potential discontinuity is evaluated for statistical significance. Where significant discontinuities are detected, the difference in average annual temperatures before and after the inhomogeneity is applied to adjust the mean of the earlier block with the mean of the latter block of data. Such an evaluation requires a minimum of five years between discontinuities. Consequently, if multiple changes occur within five years or if a change occurs very near the end of the normals period (e.g., after 1995), the discontinuity may not be detectable using this methodology.

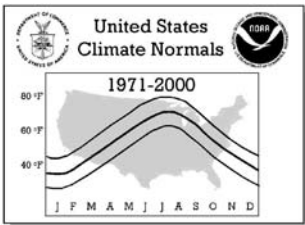
The monthly normals for maximum and minimum temperature and precipitation are computed simply by averaging the appropriate 30 values from the 1971-2000 record. The monthly average temperature normals are computed by averaging the corresponding monthly maximum and minimum normals. The annual temperature normals are calculated by taking the average of the 12 monthly normals. The annual precipitation and degree day normals are the sum of the 12 monthly normals. Trace precipitation totals are shown as zero. Precipitation totals include rain and the liquid equivalent of frozen and freezing precipitation (e.g., snow, sleet, freezing rain, and hail). For many NWS locations, indicated with an '\*' next to 'HDD' and 'CDD' in the degree day table, degree day normals are computed directly from daily values for the 1971-2000 period. For all other stations, estimated degree day totals are based on a modification of the rational conversion formula developed by Thom (1966), using daily spline-fit means and standard deviations of average temperature as inputs.

References:

Easterling, D.R., and T.C. Peterson, 1995: A new method for detecting and adjusting for undocumented discontinuities in climatological time series. *Intl. J. Clim.*, **15**, 369-377.  
 Karl, T.R., C.N. Williams, Jr., P.J. Young, and W.M. Wendland, 1986: A model to estimate the time of observation bias associated with monthly mean maximum, minimum, and mean temperatures for the United States. *J. Clim. Appl. Met.*, **25**, 145-160.  
 Peterson, T.C., and D.R. Easterling, 1994: Creation of homogeneous composite climatological reference series. *Intl. J. Clim.*, **14**, 671-679.  
 Peterson, T.C., R. Vose, R. Schmoyer, and V. Razuvaev, 1998: Global Historical Climatology Network (GHCN) quality control of monthly temperature data. *Intl. J. Clim.*, **18**, 1169-1179.  
 Thom, H.C.S., 1966: Normal degree days above any base by the universal truncation coefficient. *Month. Wea. Rev.*, **94**, 461-465.  
 World Meteorological Organization, 1989: Calculation of Monthly and Annual 30-Year Standard Normals. WCDP-No. 10, WMO-TD/No. 341, Geneva: World Meteorological Organization.

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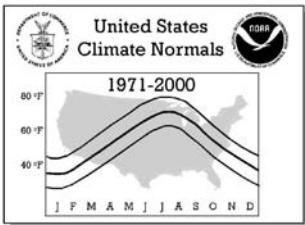


# CLIMATOGRAPHY OF THE UNITED STATES NO. 81

## Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

### NORTH DAKOTA

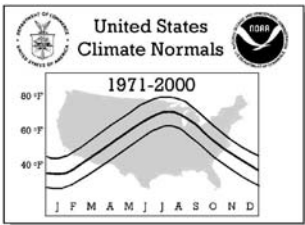
STATION INVENTORY										
No.	COOP ID	WBAN ID	Elements	Station Name	Call	Latitude	Longitude	Elev	Flag 1	Flag 2
1	320005		P	ABERCROMBIE		46 27 N	96 44 W	935		
2	320022		P	ADAMS 7 SSW		48 20 N	98 07 W	1554		+
3	320096		P	ALEXANDER 4 NNW		47 54 N	103 39 W	2140		
4	320101		XNP	ALEXANDER 18 SW		47 42 N	103 59 W	2035		
5	320127		XNP	ALMONT		46 44 N	101 30 W	1915		
6	320189		P	AMBROSE 3 N		49 00 N	103 28 W	2027		+
7	320209		XNP	AMIDON		46 29 N	103 19 W	2910		+
8	320382		XNP	ASHLEY		46 02 N	99 23 W	2001		+
9	320590		XNP	BEACH		46 55 N	104 00 W	2789		
10	320626		XNP	BELCOURT KEYA RADIO		48 50 N	99 45 W	1960		+
11	320729		P	BERTHOLD		48 19 N	101 44 W	2080		+
12	320766		XNP	BEULAH 1 W		47 16 N	101 47 W	1785		+
13	320819	24011	XNP	BISMARCK MUNICIPAL AP	BIS	46 47 N	100 45 W	1651	*	+
14	320827		P	BISMARCK 7 NE		46 51 N	100 38 W	1810		+
15	320941		XNP	BOTTINEAU		48 50 N	100 26 W	1640		+
16	320961		XNP	BOWBELLS		48 48 N	102 15 W	1958		+
17	320995		XNP	BOWMAN		46 11 N	103 24 W	2960		+
18	321052		XNP	BREIEN		46 24 N	100 56 W	1720		+
19	321225		XNP	BUTTE 5 SE		47 48 N	100 35 W	1720		+
20	321288		P	CANDO 2 E		48 29 N	99 09 W	1490		
21	321360		XNP	CARRINGTON		47 27 N	99 08 W	1586		+
22	321362		XNP	CARRINGTON 4 N		47 30 N	99 07 W	1560		+
23	321370		XNP	CARSON		46 25 N	101 34 W	2310		+
24	321408		XNP	CASSELTON AGRONOMY FRM		46 53 N	97 14 W	935		
25	321435		XNP	CAVALIER 7 NW		48 52 N	97 42 W	890		+
26	321456		XNP	CENTER 4 SE		47 04 N	101 12 W	1990		+
27	321477		P	CHAFFEE 5 NE		46 48 N	97 16 W	965		+
28	321686		XNP	COLGATE		47 15 N	97 39 W	1180		+
29	321766		XNP	COOPERSTOWN		47 24 N	98 02 W	1380		+
30	321816		P	COURTENAY 1 NW		47 14 N	98 35 W	1515		+
31	321871		XNP	CROSBY		48 54 N	103 18 W	1952		+
32	322158	14912	XNP	DEVILS LAKE KDLR		48 06 N	98 51 W	1464		+
33	322183	24012	XNP	DICKINSON AP	DIK	46 48 N	102 48 W	2585		+
34	322188		XNP	DICKINSON EXP STN		46 53 N	102 49 W	2460		+
35	322193		XNP	DICKINSON RANCH HQ		47 12 N	102 50 W	2379		
36	322304		XNP	DRAKE 9 NE		48 03 N	100 19 W	1530		+
37	322312		P	DRAYTON		48 34 N	97 11 W	800		
38	322365		XNP	DUNN CENTER 2 SW		47 21 N	102 39 W	2232		+
39	322482		XNP	EDGELEY 3 WNW		46 22 N	98 46 W	1558		
40	322525		XNP	EDMORE 1 NW		48 26 N	98 28 W	1535		+
41	322536		XNP	EDMUNDS ARROWWOOD REF		47 16 N	98 52 W	1460		
42	322588		P	ELGIN		46 24 N	101 51 W	2400		
43	322605		XNP	ELLENDALE		46 00 N	98 32 W	1455		+
44	322695		XNP	ENDERLIN 2 W		46 37 N	97 38 W	1150		
45	322735		P	EPPING		48 17 N	103 22 W	2220		
46	322809		XNP	FAIRFIELD		47 11 N	103 13 W	2750		+
47	322859	14914	XNP	FARGO HECTOR AP	FAR	46 56 N	96 49 W	900	*	+
48	322949		XNP	FESSENDEN		47 39 N	99 37 W	1620		
49	323064		P	FORBES 10 NW		46 02 N	98 57 W	2060		+
50	323117		XNP	FORMAN 5 SSE		46 02 N	97 36 W	1250		+
51	323196		XNP	FORTUNA 1 W		48 55 N	103 49 W	2350		
52	323207		XNP	FORT YATES 4 SW		46 03 N	100 40 W	1675		+
53	323217		XNP	FOXHOLM 7 N		48 28 N	101 34 W	1675		+
54	323287		XNP	FULLERTON 1 ESE		46 09 N	98 24 W	1435		+
55	323309		XNP	GACKLE		46 38 N	99 09 W	1951		+
56	323376		XNP	GARRISON 1 NNW	N60	47 39 N	101 25 W	1935		+
57	323496		P	GLEN ULLIN		46 49 N	101 50 W	2090		
58	323594		XNP	GRAFTON		48 25 N	97 25 W	827		+
59	323616	14916	XNP	GRAND FORKS INTL AP	GFK	47 57 N	97 11 W	839	*	+
60	323621		XNP	GRAND FORKS UNIV NWS		47 55 N	97 06 W	830		+
61	323686		XNP	GRANVILLE		48 16 N	100 51 W	1510		
62	323705		XNP	GRASSY BUTTE 2 ENE		47 24 N	103 12 W	2670		
63	323736		XNP	GRENORA		48 37 N	103 56 W	2129		
64	323826		P	HAGUE		46 02 N	100 00 W	1898		+
65	323908		XNP	HANKINSON		46 04 N	96 54 W	1070		
66	323936		XNP	HANNAH		49 00 N	98 41 W	1575		
67	323963		XNP	HANSBORO 4 NNE		49 00 N	99 21 W	1540		+
68	324013		XNP	HARVEY		47 46 N	99 55 W	1600		
69	324091		XNP	HEART BUTTE DAM		46 36 N	101 49 W	2134		
70	324102		XNP	HEBRON		46 54 N	102 03 W	2158		



**CLIMATOGRAPHY OF THE UNITED STATES NO. 81**  
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

**NORTH DAKOTA**

STATION INVENTORY										
No.	COOP ID	WBAN ID	Elements	Station Name	Call	Latitude	Longitude	Elev	Flag 1	Flag 2
71	324178		XNP	HETTINGER		46 00 N	102 39 W	2680		+
72	324203		XNP	HILLSBORO 3 N		47 26 N	97 04 W	910		+
73	324343		XNP	HURDSFIELD 8 SW		47 21 N	100 01 W	1940		
74	324413	14919	XNP	JAMESTOWN MUNICIPAL AP	JMS	46 56 N	98 40 W	1494		+
75	324418		XNP	JAMESTOWN ST HOSPITAL		46 53 N	98 41 W	1467		+
76	324571		XNP	KEENE 3 S		47 50 N	102 55 W	2470		+
77	324646		XNP	KENMARE 1 WSW		48 40 N	102 06 W	1810		+
78	324726		P	KILLDEER 8 NW		47 28 N	102 50 W	1895		
79	324879		P	LAKE METIGOSHE ST PK		48 59 N	100 21 W	2142		
80	324937		XNP	LA MOURE		46 22 N	98 17 W	1360		+
81	324958		XNP	LANGDON EXP FARM		48 46 N	98 21 W	1615		+
82	325013		XNP	LARIMORE		47 55 N	97 38 W	1133		
83	325078		XNP	LEEDS		48 17 N	99 26 W	1530		+
84	325210		XNP	LINTON		46 16 N	100 14 W	1690		
85	325220		XNP	LISBON		46 27 N	97 41 W	1104		
86	325230		P	LITCHVILLE 2 NW		46 40 N	98 14 W	1467		+
87	325434		P	MADDOCK		47 58 N	99 31 W	1610		
88	325479		XNP	MANDAN EXPERIMENT STN		46 49 N	100 55 W	1750		+
89	325575		P	MARMARTH		46 18 N	103 56 W	2710		
90	325638		XNP	MAX		47 49 N	101 18 W	2110		+
91	325660		XNP	MAYVILLE		47 30 N	97 19 W	935		
92	325710		XNP	MC CLUSKY		47 29 N	100 26 W	1925		+
93	325730		XNP	MC HENRY 3 W		47 35 N	98 39 W	1555		+
94	325754		XNP	MC LEOD 3 E		46 24 N	97 14 W	1075		+
95	325764		XNP	MC VILLE		47 46 N	98 11 W	1467		
96	325798		P	MEDINA		46 54 N	99 18 W	1795		+
97	325813		XNP	MEDORA		46 55 N	103 31 W	2290		+
98	325988	24013	XNP	MINOT AP		48 16 N	101 17 W	1715		+
99	325993		XNP	MINOT EXPERIMENT STN		48 11 N	101 18 W	1769		+
100	326015		XNP	MOFFIT 3 SE		46 40 N	100 15 W	1800		+
101	326025		XNP	MOHALL		48 46 N	101 31 W	1640		
102	326105		P	MONTPELIER		46 42 N	98 35 W	1380		+
103	326155		XNP	MOTT		46 23 N	102 20 W	2525		+
104	326255		XNP	NAPOLEON		46 30 N	99 46 W	1980		+
105	326315		XNP	NEW ENGLAND		46 33 N	102 52 W	2639		+
106	326365		XNP	NEW SALEM 5 NW		46 54 N	101 29 W	2150		+
107	326620		XNP	OAKES 2 S		46 07 N	98 05 W	1310		
108	326857		XNP	PARK RIVER		48 24 N	97 45 W	970		
109	326947	14924	XNP	PEMBINA		48 58 N	97 14 W	790		+
110	327027		XNP	PETERSBURG 2 N		48 02 N	98 00 W	1530		+
111	327047		XNP	PETTIBONE		47 07 N	99 32 W	1850		+
112	327281		XNP	POWERS LAKE 1 N		48 34 N	102 39 W	2205		+
113	327311		XNP	PRETTY ROCK		46 10 N	101 51 W	2480		+
114	327450		P	REEDER		46 06 N	102 57 W	2812		+
115	327452		P	REEDER 13 N		46 17 N	102 57 W	2756		+
116	327530		XNP	RICHARDTON ABBEY		46 53 N	102 19 W	2470		+
117	327585		P	RIVERDALE		47 29 N	101 23 W	1960		
118	327664		XNP	ROLLA 3 NW		48 54 N	99 40 W	1950		+
119	327704		XNP	RUGBY		48 21 N	100 00 W	1550		+
120	327824		XNP	SAN HAVEN		48 50 N	100 02 W	1923		
121	327986		XNP	SHARON		47 36 N	97 54 W	1525		+
122	328047		P	SHERWOOD 3 N		49 00 N	101 38 W	1647		
123	328065		P	SHIELDS		46 14 N	101 07 W	1806		+
124	328276		XNP	STANLEY 3 NNW		48 21 N	102 25 W	2280		
125	328366		XNP	STEELE 3 N		46 54 N	99 56 W	1885		
126	328415		XNP	STREETER 7 NW		46 44 N	99 29 W	1900		
127	328608		P	SYKESTON		47 28 N	99 24 W	1634		+
128	328627		P	TAGUS		48 21 N	101 56 W	2170		+
129	328737		XNP	TIOGA 1 E		48 24 N	102 55 W	2245		+
130	328792		XNP	TOWNER 2 NE		48 22 N	100 23 W	1480		
131	328812		XNP	TROTTERS 3 SSE		47 17 N	103 54 W	2420		+
132	328840		XNP	TURTLE LAKE		47 31 N	100 54 W	1906		+
133	328850		XNP	TUTTLE		47 08 N	100 00 W	1879		
134	328872		XNP	UNDERWOOD		47 27 N	101 09 W	2020		+
135	328913		XNP	UPHAM 3 N		48 37 N	100 44 W	1425		+
136	328937		XNP	VALLEY CITY 3 NNW		46 57 N	98 01 W	1210		+
137	328990		XNP	VELVA 3 NE		48 05 N	100 53 W	1535		
138	329035		P	VERONA		46 22 N	98 05 W	1370		
139	329100		XNP	WAHPETON 3 N		46 19 N	96 37 W	956		+
140	329155		P	WALHALLA 1 SW		48 55 N	97 55 W	940		



**CLIMATOGRAPHY OF THE UNITED STATES NO. 81**  
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**1971-2000**

**NORTH DAKOTA**

**STATION INVENTORY**

No.	COOP ID	WBAN ID	Elements	Station Name	Call	Latitude	Longitude	Elev	Flag 1	Flag 2
141	329195		XNP	WASHBURN		47 17 N	101 02 W	1735		+
142	329219		P	WATAUGA S DAKOTA 8 N		46 01 N	101 34 W	2070		+
143	329233		XNP	WATFORD CITY		47 48 N	103 17 W	2170		
144	329246		XNP	WATFORD CITY 14 S		47 36 N	103 16 W	1945		+
145	329333		XNP	WESTHOPE		48 55 N	101 01 W	1502		+
146	329400		XNP	WILDROSE 3 NW		48 40 N	103 13 W	2260		+
147	329425	94014	XNP	WILLISTON SLOULIN AP	ISN	48 10 N	103 38 W	1902	*	+
148	329430		XNP	WILLISTON EXP FARM		48 08 N	103 44 W	2105		+
149	329445		XNP	WILLOW CITY		48 36 N	100 18 W	1460		+
150	329455		XNP	WILTON		47 09 N	100 47 W	2170		
151	329515		P	WISHEK		46 15 N	99 34 W	2120		
152	329575		P	WOODWORTH		47 09 N	99 18 W	2010		+













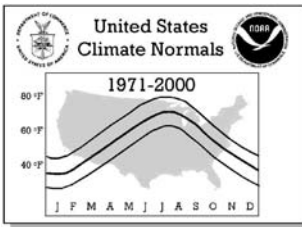










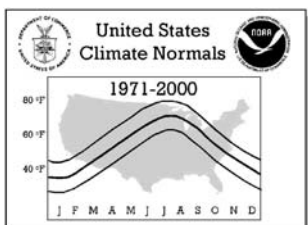


# CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

## NORTH DAKOTA

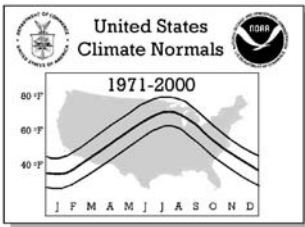
No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
004	ALEXANDER 18 SW	HDD	1689	1295	1092	649	349	132	53	69	277	646	1120	1546	8917
		CDD	0	0	0	0	15	95	203	193	40	0	0	0	546
005	ALMONT	HDD	1664	1284	1092	637	287	102	36	58	236	607	1109	1528	8640
		CDD	0	0	0	1	20	94	190	179	28	0	0	0	512
007	AMIDON	HDD	1535	1192	1033	635	321	123	34	53	247	593	1052	1417	8235
		CDD	0	0	0	1	24	113	217	208	49	0	0	0	612
008	ASHLEY	HDD	1718	1351	1131	650	287	92	34	48	235	613	1129	1565	8853
		CDD	0	0	0	1	22	105	224	179	34	0	0	0	565
009	BEACH	HDD	1546	1205	1040	645	328	127	45	71	251	618	1068	1426	8370
		CDD	0	0	0	0	14	100	192	194	43	0	0	0	543
010	BELCOURT KEYA RADIO	HDD	1959	1562	1378	845	448	195	92	145	398	791	1293	1787	10893
		CDD	0	0	0	0	11	38	90	84	6	0	0	0	229
012	BEULAH 1 W	HDD	1675	1291	1086	642	307	122	37	57	251	597	1106	1525	8696
		CDD	0	0	0	3	30	107	187	188	34	0	0	0	549
013	BISMARCK MUNICIPAL AP	HDD*	1711	1329	1109	660	305	93	19	44	256	625	1112	1539	8802
		CDD*	0	0	0	2	18	80	180	161	30	0	0	0	471
015	BOTTFINEAU	HDD	1924	1528	1306	760	370	151	66	111	333	732	1254	1753	10288
		CDD	0	0	0	0	22	71	118	124	15	0	0	0	350
016	BOWBELLS	HDD	1826	1447	1260	746	377	148	75	112	341	715	1218	1661	9926
		CDD	0	0	0	0	15	66	135	128	16	0	0	0	360
017	BOWMAN	HDD	1564	1236	1090	694	365	138	47	70	283	645	1095	1455	8682
		CDD	0	0	0	0	12	81	183	173	32	0	0	0	481
018	BREIEN	HDD	1678	1296	1075	627	284	100	39	49	230	608	1102	1525	8613
		CDD	0	0	0	0	20	106	216	192	33	0	0	0	567
019	BUTTE 5 SE	HDD	1802	1424	1193	689	306	108	35	63	246	629	1183	1638	9316
		CDD	0	0	0	3	28	106	192	182	34	0	0	0	545
021	CARRINGTON	HDD	1802	1432	1232	732	334	119	50	74	289	668	1188	1640	9560
		CDD	0	0	0	1	22	82	160	128	15	0	0	0	408
022	CARRINGTON 4 N	HDD	1815	1435	1210	699	309	103	40	71	251	638	1185	1642	9398
		CDD	0	0	0	4	32	91	161	146	23	0	0	0	457
023	CARSON	HDD	1682	1324	1159	721	357	144	53	82	289	646	1121	1534	9112
		CDD	0	0	0	0	16	74	162	153	23	0	0	0	428
024	CASSELTON AGRONOMY FRM	HDD	1841	1466	1202	685	294	94	33	53	227	613	1150	1630	9288
		CDD	0	0	0	1	32	101	194	161	25	0	0	0	514
025	CAVALIER 7 NW	HDD	1940	1543	1317	760	357	136	58	98	311	703	1229	1743	10195
		CDD	0	0	0	2	28	80	121	111	10	0	0	0	352
026	CENTER 4 SE	HDD	1692	1344	1157	718	357	138	55	100	287	643	1136	1539	9166
		CDD	0	0	0	0	15	79	155	159	20	0	0	0	428
028	COLGATE	HDD	1906	1518	1269	713	309	106	38	65	261	673	1228	1716	9802
		CDD	0	0	0	1	26	89	165	157	20	0	0	0	458
029	COOPERSTOWN	HDD	1861	1463	1226	707	319	110	41	73	269	655	1204	1679	9607
		CDD	0	0	0	1	26	89	160	142	18	0	0	0	436
031	CROSBY	HDD	1767	1368	1145	654	302	112	50	76	279	647	1175	1615	9190
		CDD	0	0	0	2	24	100	180	160	24	0	0	0	490
032	DEVILS LAKE KDLR	HDD	1827	1436	1226	690	309	101	38	61	258	643	1178	1657	9424
		CDD	0	0	0	3	36	95	172	143	20	0	0	0	469
033	DICKINSON AP	HDD	1576	1227	1072	668	341	129	53	75	272	611	1081	1453	8558
		CDD	0	0	0	1	16	81	189	187	38	0	0	0	512
034	DICKINSON EXP STN	HDD	1644	1291	1127	711	369	157	63	89	309	672	1132	1514	9078
		CDD	0	0	0	0	9	79	158	158	21	0	0	0	425
035	DICKINSON RANCH HQ	HDD	1651	1289	1116	687	345	135	39	59	272	631	1121	1519	8864
		CDD	0	0	0	0	14	95	174	169	32	0	0	0	484
036	DRAKE 9 NE	HDD	1862	1471	1255	723	321	117	50	79	282	682	1221	1688	9751
		CDD	0	0	0	3	23	89	162	142	20	0	0	0	439
038	DUNN CENTER 2 SW	HDD	1619	1255	1078	632	303	120	35	49	242	593	1088	1484	8498
		CDD	0	0	0	1	28	107	196	206	43	0	0	0	581
039	EDGELEY 3 WNW	HDD	1741	1382	1167	690	311	107	39	56	243	615	1135	1574	9060
		CDD	0	0	0	1	23	85	187	159	24	0	0	0	479
040	EDMORE 1 NW	HDD	1998	1595	1345	773	371	147	70	98	325	736	1293	1805	10556
		CDD	0	0	0	1	19	60	115	105	10	0	0	0	310
041	EDMUNDS ARROWWOOD REF	HDD	1765	1378	1155	677	289	101	30	66	235	595	1133	1578	9002
		CDD	0	0	0	1	27	95	180	158	27	0	0	0	488
043	ELLENDALE	HDD	1690	1323	1087	601	245	63	19	34	188	560	1095	1536	8441
		CDD	0	0	0	3	33	123	243	209	41	0	0	0	652
044	ENDERLIN 2 W	HDD	1773	1396	1159	649	276	78	24	54	232	611	1131	1590	8973
		CDD	0	0	0	3	38	108	207	171	27	0	0	0	554
046	FAIRFIELD	HDD	1698	1334	1160	716	375	143	63	89	300	672	1160	1557	9267
		CDD	0	0	0	0	12	63	162	156	31	0	0	0	424



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**1971-2000**

**NORTH DAKOTA**

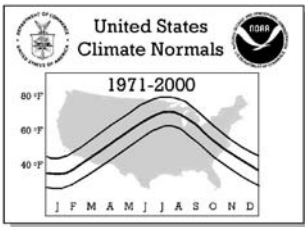
No.	Station Name	Element	DEGREE DAYS (Total)												ANNUAL
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
047	FARGO HECTOR AP	HDD*	1808	1441	1185	652	271	73	17	37	245	614	1137	1612	9092
		CDD*	0	0	0	3	33	104	191	162	38	2	0	0	533
048	FESSENDEN	HDD	1865	1475	1236	709	300	106	47	71	249	668	1216	1694	9636
		CDD	0	0	0	2	23	93	179	151	21	0	0	0	469
050	FORMAN 5 SSE	HDD	1776	1399	1156	648	284	89	29	47	231	610	1115	1585	8969
		CDD	0	0	0	2	35	113	216	180	30	0	0	0	576
051	FORTUNA 1 W	HDD	1844	1440	1242	744	382	159	72	111	354	737	1240	1673	9998
		CDD	0	0	0	0	12	73	134	134	17	0	0	0	370
052	FORT YATES 4 SW	HDD	1603	1244	1063	618	268	85	20	32	185	539	1048	1461	8166
		CDD	0	0	0	4	31	136	252	219	36	0	0	0	678
053	FOXHOLM 7 N	HDD	1824	1427	1222	726	339	129	41	96	297	672	1196	1647	9616
		CDD	0	0	0	2	25	93	151	152	22	0	0	0	445
054	FULLERTON 1 ESE	HDD	1721	1345	1115	622	261	82	31	54	203	584	1114	1565	8697
		CDD	0	0	0	4	27	113	222	191	26	0	0	0	583
055	GACKLE	HDD	1741	1376	1167	664	290	90	38	54	231	601	1138	1588	8978
		CDD	0	0	0	3	25	102	214	183	33	0	0	0	560
056	GARRISON 1 NNW	HDD	1783	1407	1192	709	337	132	55	79	287	670	1157	1593	9401
		CDD	0	0	0	1	15	77	154	152	22	0	0	0	421
058	GRAFTON	HDD	1859	1459	1221	667	264	78	19	46	218	603	1161	1673	9268
		CDD	0	0	0	5	53	137	207	188	34	0	0	0	624
059	GRAND FORKS INTL AP	HDD*	1860	1468	1233	689	294	88	27	53	276	655	1186	1660	9489
		CDD*	0	0	0	2	30	85	148	127	27	1	0	0	420
060	GRAND FORKS UNIV NWS	HDD	1854	1459	1221	689	304	93	44	69	259	644	1184	1674	9494
		CDD	0	0	0	4	39	100	174	155	19	0	0	0	491
061	GRANVILLE	HDD	1752	1359	1158	666	305	114	38	71	262	619	1124	1585	9053
		CDD	0	0	0	3	31	110	171	177	36	0	0	0	528
062	GRASSY BUTTE 2 ENE	HDD	1632	1269	1092	667	336	148	55	81	282	637	1126	1519	8844
		CDD	0	0	0	0	14	78	161	170	33	0	0	0	456
063	GRENORA	HDD	1803	1373	1143	687	327	131	52	90	307	661	1194	1654	9422
		CDD	0	0	0	0	18	92	167	160	31	0	0	0	468
065	HANKINSON	HDD	1758	1399	1171	645	270	71	23	44	215	584	1095	1564	8839
		CDD	0	0	0	1	30	113	220	176	22	0	0	0	562
066	HANNAH	HDD	1937	1551	1336	766	353	140	66	118	311	682	1245	1769	10274
		CDD	0	0	0	2	30	69	102	118	11	0	0	0	332
067	HANSBORO 4 NNE	HDD	1993	1575	1355	790	390	166	75	129	355	761	1323	1810	10722
		CDD	0	0	0	1	18	52	88	104	9	0	0	0	272
068	HARVEY	HDD	1730	1342	1127	622	254	89	24	47	207	568	1119	1557	8686
		CDD	0	0	0	4	37	118	204	191	35	0	0	0	589
069	HEART BUTTE DAM	HDD	1670	1306	1131	677	324	114	34	61	253	620	1105	1508	8803
		CDD	0	0	0	0	16	95	189	176	26	0	0	0	502
070	HEBRON	HDD	1683	1319	1141	699	349	141	52	84	298	674	1140	1531	9111
		CDD	0	0	0	0	13	82	159	152	23	0	0	0	429
071	HETTINGER	HDD	1590	1257	1106	696	364	138	46	69	278	644	1107	1478	8773
		CDD	0	0	0	0	11	81	171	158	25	0	0	0	446
072	HILLSBORO 3 N	HDD	1839	1463	1226	684	290	92	34	50	250	633	1162	1638	9361
		CDD	0	0	0	2	36	104	191	158	20	0	0	0	511
073	HURDSFIELD 8 SW	HDD	1844	1471	1278	784	391	160	59	107	332	726	1224	1676	10052
		CDD	0	0	0	0	14	63	123	122	15	0	0	0	337
074	JAMESTOWN MUNICIPAL AP	HDD	1748	1375	1150	667	293	100	30	52	242	616	1138	1588	8999
		CDD	0	0	0	3	34	111	205	176	26	0	0	0	555
075	JAMESTOWN ST HOSPITAL	HDD	1826	1445	1226	728	324	104	36	70	271	654	1182	1646	9512
		CDD	0	0	0	1	22	95	195	160	24	0	0	0	497
076	KEENE 3 S	HDD	1682	1299	1100	647	314	129	52	64	258	602	1122	1538	8807
		CDD	0	0	0	2	19	101	186	191	45	0	0	0	544
077	KENMARE 1 WSW	HDD	1809	1425	1233	740	380	153	63	124	340	710	1199	1637	9813
		CDD	0	0	0	0	21	73	125	136	19	0	0	0	374
080	LA MOURE	HDD	1795	1413	1177	680	316	103	34	58	266	650	1155	1608	9255
		CDD	0	0	0	2	29	96	183	140	19	0	0	0	469
081	LANGDON EXP FARM	HDD	2004	1609	1389	818	406	167	88	121	356	768	1305	1814	10845
		CDD	0	0	0	1	19	60	100	97	8	0	0	0	285
082	LARIMORE	HDD	1865	1488	1283	759	337	115	45	90	306	680	1191	1690	9849
		CDD	0	0	0	1	27	82	146	131	19	0	0	0	406
083	LEEDS	HDD	1890	1509	1319	788	376	141	58	106	334	712	1222	1706	10161
		CDD	0	0	0	0	17	70	119	107	10	0	0	0	323
084	LINTON	HDD	1724	1330	1106	645	299	113	32	48	243	622	1136	1560	8858
		CDD	0	0	0	1	23	115	220	192	32	0	0	0	583
085	LISBON	HDD	1805	1433	1198	689	310	85	29	55	263	638	1137	1606	9248
		CDD	0	0	0	1	28	93	199	166	25	0	0	0	512



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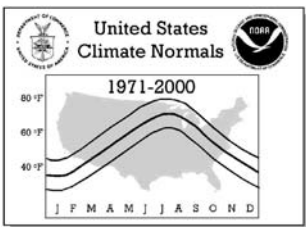
No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
088	MANDAN EXPERIMENT STN	HDD	1708	1338	1132	670	310	111	33	61	257	630	1112	1547	8909
		CDD	0	0	0	1	21	97	193	173	26	0	0	0	511
090	MAX	HDD	1795	1415	1219	734	351	141	55	89	312	697	1191	1635	9634
		CDD	0	0	0	0	18	87	158	138	15	0	0	0	416
091	MAYVILLE	HDD	1822	1430	1194	654	272	88	28	51	234	602	1149	1644	9168
		CDD	0	0	0	3	37	111	186	161	30	0	0	0	528
092	MC CLUSKY	HDD	1731	1358	1143	654	281	98	30	48	228	605	1135	1581	8892
		CDD	0	0	0	2	30	115	203	187	32	0	0	0	569
093	MC HENRY 3 W	HDD	1869	1470	1245	718	321	117	38	68	276	662	1204	1693	9681
		CDD	0	0	0	2	30	87	163	143	20	0	0	0	445
094	MC LEOD 3 E	HDD	1854	1468	1212	670	276	80	23	42	228	620	1162	1653	9288
		CDD	0	0	0	1	33	112	205	173	27	0	0	0	551
095	MC VILLE	HDD	1868	1468	1241	707	306	112	46	82	265	667	1216	1699	9677
		CDD	0	0	0	2	29	102	184	161	22	0	0	0	500
097	MEDORA	HDD	1532	1170	1010	621	308	125	29	60	242	572	1035	1414	8118
		CDD	0	0	0	0	23	115	212	213	41	0	0	0	604
098	MINOT AP	HDD	1711	1340	1147	670	316	112	33	73	269	630	1134	1555	8990
		CDD	0	0	0	2	24	92	174	172	28	0	0	0	492
099	MINOT EXPERIMENT STN	HDD	1785	1410	1212	718	334	122	48	80	299	677	1176	1618	9479
		CDD	0	0	0	1	22	89	152	141	17	0	0	0	422
100	MOFFIT 3 SE	HDD	1704	1333	1117	630	274	91	26	45	209	577	1103	1553	8662
		CDD	0	0	0	2	30	119	219	201	36	0	0	0	607
101	MOHALL	HDD	1836	1458	1262	769	389	156	74	119	352	722	1203	1659	9999
		CDD	0	0	0	0	15	63	113	124	16	0	0	0	331
103	MOTT	HDD	1641	1277	1120	705	346	123	45	83	289	655	1124	1506	8914
		CDD	0	0	0	0	12	76	180	173	31	0	0	0	472
104	NAPOLEON	HDD	1762	1398	1178	696	336	122	41	68	263	644	1149	1599	9256
		CDD	0	0	0	1	19	88	179	165	24	0	0	0	476
105	NEW ENGLAND	HDD	1575	1227	1074	667	330	126	40	64	271	626	1095	1458	8553
		CDD	0	0	0	0	17	95	178	171	31	0	0	0	492
106	NEW SALEM 5 NW	HDD	1745	1376	1171	703	334	131	44	82	263	660	1171	1602	9282
		CDD	0	0	0	1	16	86	172	168	29	0	0	0	472
107	OAKES 2 S	HDD	1787	1407	1169	664	289	87	27	45	234	625	1140	1590	9064
		CDD	0	0	0	1	31	109	206	173	27	0	0	0	547
108	PARK RIVER	HDD	1836	1442	1225	693	301	92	31	74	254	630	1176	1660	9414
		CDD	0	0	0	3	33	97	166	151	23	0	0	0	473
109	PEMBINA	HDD	1982	1582	1337	766	355	136	61	104	328	726	1247	1773	10397
		CDD	0	0	0	1	29	76	120	106	7	0	0	0	339
110	PETERSBURG 2 N	HDD	1941	1551	1327	772	365	136	57	105	324	723	1249	1754	10304
		CDD	0	0	0	1	22	68	113	116	14	0	0	0	334
111	PETTIBONE	HDD	1793	1405	1181	662	303	101	35	52	240	623	1152	1628	9175
		CDD	0	0	0	2	32	103	200	183	30	0	0	0	550
112	POWERS LAKE 1 N	HDD	1854	1448	1244	749	384	164	80	110	347	727	1224	1681	10012
		CDD	0	0	0	1	16	64	127	126	17	0	0	0	351
113	PRETTY ROCK	HDD	1598	1245	1084	660	319	113	39	56	240	599	1089	1465	8507
		CDD	0	0	0	1	17	94	202	189	35	0	0	0	538
116	RICHARDTON ABBEY	HDD	1599	1250	1078	651	310	117	47	62	249	602	1088	1475	8528
		CDD	0	0	0	2	21	97	200	182	36	0	0	0	538
118	ROLLA 3 NW	HDD	1890	1524	1348	825	433	195	88	128	368	749	1263	1730	10541
		CDD	0	0	0	1	18	48	90	96	9	0	0	0	262
119	RUGBY	HDD	1846	1444	1227	688	315	127	46	70	287	663	1207	1689	9609
		CDD	0	0	0	3	34	112	158	144	17	0	0	0	468
120	SAN HAVEN	HDD	1935	1530	1345	789	398	172	80	131	381	750	1266	1765	10542
		CDD	0	0	0	0	16	51	98	97	9	0	0	0	271
121	SHARON	HDD	1873	1475	1243	708	318	117	50	81	272	657	1208	1699	9701
		CDD	0	0	0	3	26	77	145	140	19	0	0	0	410
124	STANLEY 3 NNW	HDD	1840	1454	1257	769	398	170	79	116	361	734	1228	1680	10086
		CDD	0	0	0	0	10	67	122	119	17	0	0	0	335
125	STEELE 3 N	HDD	1779	1401	1176	679	308	114	26	63	250	632	1163	1617	9208
		CDD	0	0	0	2	22	99	179	170	29	0	0	0	501
126	STREETER 7 NW	HDD	1786	1431	1217	733	368	142	56	79	296	673	1168	1627	9576
		CDD	0	0	0	0	13	65	154	131	17	0	0	0	380
129	TIOGA 1 E	HDD	1802	1400	1202	728	377	152	72	103	337	703	1203	1640	9719
		CDD	0	0	0	0	16	74	147	149	20	0	0	0	406
130	TOWNER 2 NE	HDD	1894	1497	1289	747	358	135	50	96	313	703	1227	1708	10017
		CDD	0	0	0	0	19	80	137	141	15	0	0	0	392
131	TROTTERS 3 SSE	HDD	1597	1241	1064	651	338	133	53	80	281	628	1104	1482	8652
		CDD	0	0	0	0	18	88	187	187	39	0	0	0	519



**CLIMATOGRAPHY OF THE UNITED STATES NO. 81**  
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

**NORTH DAKOTA**

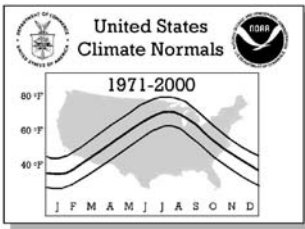
No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
132	TURTLE LAKE	HDD	1787	1410	1183	711	339	130	48	77	275	652	1174	1620	9406
		CDD	0	0	0	0	18	85	165	161	24	0	0	0	453
133	TUTTLE	HDD	1692	1330	1126	645	283	101	31	58	245	603	1095	1534	8743
		CDD	0	0	0	2	28	105	188	184	26	0	0	0	533
134	UNDERWOOD	HDD	1796	1420	1194	708	328	118	38	77	262	661	1187	1638	9427
		CDD	0	0	0	1	20	87	167	158	30	0	0	0	463
135	UPHAM 3 N	HDD	1916	1504	1279	728	335	131	57	92	328	733	1239	1729	10071
		CDD	0	0	0	0	18	78	131	123	12	0	0	0	362
136	VALLEY CITY 3 NNW	HDD	1840	1459	1225	720	330	114	35	74	285	661	1172	1646	9561
		CDD	0	0	0	1	23	77	143	123	16	0	0	0	383
137	VELVA 3 NE	HDD	1797	1411	1202	707	314	114	47	83	288	664	1181	1625	9433
		CDD	0	0	0	1	20	94	173	142	21	0	0	0	451
139	WAHPETON 3 N	HDD	1748	1373	1122	595	229	56	18	36	189	551	1085	1562	8564
		CDD	0	0	0	3	51	139	238	198	39	0	0	0	668
141	WASHBURN	HDD	1718	1347	1126	658	296	104	30	63	237	607	1119	1559	8864
		CDD	0	0	0	1	22	100	186	182	37	0	0	0	528
143	WATFORD CITY	HDD	1764	1346	1160	712	356	146	65	76	314	682	1167	1583	9371
		CDD	0	0	0	0	12	83	177	152	21	0	0	0	445
144	WATFORD CITY 14 S	HDD	1593	1217	1023	609	288	109	43	55	238	572	1070	1461	8278
		CDD	0	0	0	2	26	116	222	213	46	0	0	0	625
145	WESTHOPE	HDD	1873	1462	1236	685	306	119	49	81	284	670	1213	1708	9686
		CDD	0	0	0	1	23	88	137	140	20	0	0	0	409
146	WILDROSE 3 NW	HDD	1827	1435	1224	731	373	150	67	111	340	716	1213	1655	9842
		CDD	0	0	0	0	14	72	131	133	19	0	0	0	369
147	WILLISTON SLOULIN AP	HDD*	1751	1336	1109	660	327	103	27	46	274	648	1167	1596	9044
		CDD*	0	0	0	1	20	79	176	164	23	0	0	0	463
148	WILLISTON EXP FARM	HDD	1666	1270	1051	608	278	99	35	58	234	570	1098	1519	8486
		CDD	0	0	0	3	32	121	224	219	49	0	0	0	648
149	WILLOW CITY	HDD	1953	1549	1324	753	355	140	62	106	347	739	1254	1764	10346
		CDD	0	0	0	0	16	70	123	114	10	0	0	0	333
150	WILTON	HDD	1767	1395	1169	703	338	129	42	83	279	655	1177	1605	9342
		CDD	0	0	0	2	20	74	143	153	29	0	0	0	421



# CLIMATOGRAPHY OF THE UNITED STATES NO. 81

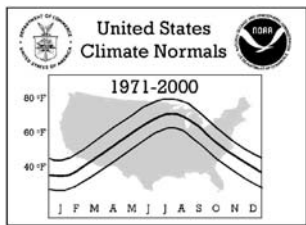
Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
1971-2000

No.	Station Name	Element	NORMALS STATISTICS														
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
004	ALEXANDER 18	HIGHEST MEAN	24.7	31.3	39.2	51.3	61.1	76.7	75.1	76.9	64.9	47.6	39.9	26.2	76.9		
		MEDIAN	9.8	20.5	29.5	43.7	54.1	63.2	70.4	69.5	57.1	44.4	27.8	16.9	42.3		
		LOWEST MEAN	-7.2	1.3	19.3	34.6	49.4	58.6	60.6	62.4	50.8	40.1	13.6	-4.9	-7.2		
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1983		
		LOWEST MEAN YEAR	1982	1979	1996	1975	1983	1998	1972	1977	1972	1991	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	1.5	1.0	-0.1	-0.7	-0.9	-0.7	-0.8	-1.0	-0.6	-0.8	0.2	1.2			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.5	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.3			
		005	ALMONT	HIGHEST MEAN	24.9	30.7	39.5	52.0	64.0	76.0	75.3	75.7	63.8	50.1	37.8	27.2	76.0
				MEDIAN	10.5	20.7	28.4	44.0	56.2	64.3	70.8	69.0	57.9	45.5	28.3	15.3	42.8
				LOWEST MEAN	-4.1	2.7	19.3	35.3	51.4	60.3	63.4	62.8	52.9	40.6	14.9	-1.7	-4.1
HIGHEST MEAN YEAR	1992			1998	1986	1987	1977	1988	1989	1983	1990	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982			1979	1996	1975	1979	1985	1992	1977	1984	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.6			-1.5	-1.0	-1.0	-1.0	-0.7	-0.7	-1.1	-1.2	-1.4	-1.5	-1.6			
MAX OBS TIME ADJUSTMENT	-1.4			-1.6	-1.2	-1.4	-1.2	-1.0	-0.9	-1.4	-1.0	-1.3	-1.4	-1.5			
007	AMIDON			HIGHEST MEAN	29.3	33.7	41.0	50.4	63.1	77.4	75.4	76.7	66.1	50.7	42.1	29.5	77.4
				MEDIAN	16.0	23.1	31.3	44.0	55.3	65.2	71.1	70.5	58.3	46.1	29.9	20.3	44.2
				LOWEST MEAN	1.4	7.2	21.3	35.4	48.6	58.2	62.2	64.1	52.5	41.2	15.0	0.7	0.7
		HIGHEST MEAN YEAR	1992	1992	1986	1987	1977	1988	1988	1983	1998	1973	1999	1979	1988		
		LOWEST MEAN YEAR	1982	1989	1996	1975	1996	1998	1993	1985	1986	1991	1985	1983	1983		
		MIN OBS TIME ADJUSTMENT	1.6	1.0	-0.1	-0.7	-0.9	-0.7	-0.8	-1.0	-0.6	-0.7	0.3	1.3			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.4	0.4	0.2	0.2	0.0	0.0	0.0	-0.1	0.0	0.4			
		008	ASHLEY	HIGHEST MEAN	23.2	29.1	36.7	51.1	63.9	74.9	75.9	75.2	65.0	50.9	39.2	24.7	75.9
				MEDIAN	9.4	16.0	27.3	43.1	56.4	65.4	71.7	69.9	58.5	45.5	26.6	14.3	42.6
				LOWEST MEAN	-3.7	1.0	19.5	36.2	50.8	60.3	62.6	63.7	52.2	40.3	16.1	-1.6	-3.7
HIGHEST MEAN YEAR	1990			1987	1973	1977	1977	1988	1975	1983	1978	1975	1999	1999	1975		
LOWEST MEAN YEAR	1982			1979	1996	1975	1996	1985	1992	1992	1993	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.5			2.0	1.3	0.0	-0.7	-0.6	-0.5	-0.4	-0.6	0.5	1.1	1.2			
MAX OBS TIME ADJUSTMENT	0.3			0.6	0.5	0.5	0.4	0.3	0.1	0.1	-0.1	0.0	0.0	0.4			
009	BEACH			HIGHEST MEAN	29.4	34.1	43.9	50.7	61.5	77.1	75.2	76.6	65.8	48.5	40.8	30.9	77.1
				MEDIAN	15.5	23.2	31.5	43.2	54.6	63.7	69.8	70.2	57.8	45.4	29.7	19.8	43.7
				LOWEST MEAN	-1.8	5.3	20.4	35.9	49.3	58.2	61.4	62.8	53.0	40.5	15.6	2.1	-1.8
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1988	1988	1985	1983	1998	1973	1999	1979	1988		
		LOWEST MEAN YEAR	1979	1979	1996	1975	1996	1998	1993	1985	1984	1972	1985	1983	1979		
		MIN OBS TIME ADJUSTMENT	-1.6	-1.3	-0.9	-0.9	-0.9	-0.6	-0.7	-1.0	-1.2	-1.2	-1.3	-1.5			
		MAX OBS TIME ADJUSTMENT	-1.4	-0.8	-0.6	-0.6	-0.6	-0.5	-0.5	-0.8	-1.0	-0.7	-0.9	-1.4			
		010	BELCOURT KEYA	HIGHEST MEAN	16.4	23.6	31.5	44.9	59.1	70.6	69.8	67.5	58.7	44.8	32.9	22.2	70.6
				MEDIAN	2.3	8.8	18.9	36.9	50.8	60.2	65.2	64.7	51.4	39.4	22.3	5.3	35.9
				LOWEST MEAN	-13.0	-7.8	11.6	25.8	42.9	54.1	57.1	56.6	47.3	34.1	9.1	-9.0	-13.0
HIGHEST MEAN YEAR	1990			1998	2000	1998	1977	1988	1989	1984	1998	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982			1979	1996	1979	1983	1985	1992	1977	1993	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.5			1.8	2.1	1.5	0.0	-0.1	-0.1	0.8	0.7	1.3	1.0	1.1			
MAX OBS TIME ADJUSTMENT	0.5			0.6	0.6	0.6	0.5	0.3	0.2	0.0	0.0	0.1	-0.1	0.3			
012	BEULAH 1 W			HIGHEST MEAN	24.4	31.5	39.7	53.3	64.3	77.5	75.7	74.1	65.2	49.4	38.1	26.8	77.5
				MEDIAN	9.8	20.1	28.7	43.5	55.7	64.4	70.3	69.8	57.4	45.9	28.6	16.1	42.7
				LOWEST MEAN	-5.9	2.5	19.4	34.4	49.5	58.8	63.4	64.0	51.7	41.4	17.2	-2.1	-5.9
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1989	1991	1998	1973	1999	1997	1988		
		LOWEST MEAN YEAR	1982	1979	1996	1979	1983	1985	1993	1977	1984	1972	1996	1983	1982		
		MIN OBS TIME ADJUSTMENT	-1.6	-1.5	-1.2	-1.0	-1.0	-0.7	-0.8	-1.1	-1.1	-1.4	-1.5	-1.6			
		MAX OBS TIME ADJUSTMENT	-1.4	-1.5	-0.9	-1.2	-1.2	-1.0	-0.9	-1.4	-1.1	-1.1	-1.4	-1.5			
		013	BISMARCK MUNI	HIGHEST MEAN	23.6	30.4	39.5	51.2	62.2	75.7	76.3	75.3	63.5	48.8	38.6	28.2	76.3
				MEDIAN	9.0	19.0	28.4	43.1	56.0	64.6	70.8	69.5	57.3	45.2	28.3	15.1	42.5
				LOWEST MEAN	-3.8	-0.1	19.8	35.6	50.3	59.8	64.0	62.5	52.7	40.7	14.3	-0.8	-3.8
HIGHEST MEAN YEAR	1990			1998	1973	1987	1977	1988	1989	1983	1998	2000	1999	1997	1989		
LOWEST MEAN YEAR	1982			1979	1996	1979	1974	1982	1992	1977	1974	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
MAX OBS TIME ADJUSTMENT	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
015	BOTTINEAU			HIGHEST MEAN	17.7	24.4	34.5	47.7	62.6	73.8	72.0	71.3	60.5	46.4	34.8	22.0	73.8
				MEDIAN	3.7	9.3	22.3	40.0	54.0	62.1	66.7	66.8	54.4	41.3	23.1	7.6	37.9
				LOWEST MEAN	-12.5	-5.2	13.2	28.0	45.4	55.5	60.3	57.7	49.1	36.1	10.5	-5.3	-12.5
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1983	1998	1973	1999	1997	1988		
		LOWEST MEAN YEAR	1982	1979	1980	1979	1979	1985	1993	1977	1972	1991	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	1.6	1.9	1.2	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.2			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.3			
		016	BOWBELLS	HIGHEST MEAN	20.2	27.6	34.9	51.1	61.1	72.0	73.2	72.8	59.6	46.3	35.1	24.8	73.2
				MEDIAN	5.4	14.4	24.2	40.5	53.3	62.6	66.8	66.4	53.9	41.9	25.0	10.4	38.8
				LOWEST MEAN	-11.4	-5.9	14.8	29.4	46.5	55.5	60.2	58.6	48.0	37.2	10.8	-5.0	-11.4
HIGHEST MEAN YEAR	1990			1984	1986	1987	1977	1988	1975	1983	1998	1973	1999	1997	1975		
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1985	1993	1985	1984	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.3			1.8	2.0	1.5	0.0	-0.1	-0.2	0.9	0.7	1.2	1.1	1.0			
MAX OBS TIME ADJUSTMENT	0.5			0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.2			



**NORTH DAKOTA**

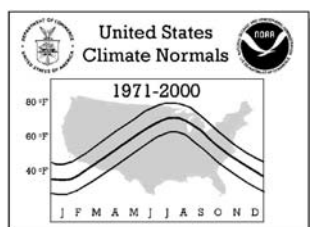
No.	Station Name	Element	NORMALS STATISTICS													
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
017	BOWMAN	HIGHEST MEAN	28.6	31.8	38.5	48.4	60.5	74.5	73.3	75.0	64.4	48.1	40.4	28.8	75.0	
		MEDIAN	15.0	22.3	29.9	41.8	52.9	62.8	69.8	68.5	56.2	44.5	28.9	20.0	42.8	
		LOWEST MEAN	-0.6	5.2	20.4	33.9	48.0	57.8	61.0	62.3	51.2	39.9	13.8	-0.2	-0.6	
		HIGHEST MEAN YEAR	1992	1998	1986	1977	1977	1988	1989	1983	1998	1973	1999	1999	1983	1983
		LOWEST MEAN YEAR	1979	1979	1996	1975	1996	1998	1993	1974	1984	1972	1985	1983	1979	1979
		MIN OBS TIME ADJUSTMENT	1.6	1.0	-0.1	-0.7	-0.9	-0.6	-0.6	-1.0	-0.6	-0.7	0.3	1.2		
		MAX OBS TIME ADJUSTMENT	0.6	0.5	0.4	0.4	0.2	0.2	0.1	0.0	-0.1	-0.1	0.0	0.4		
018	BREIEN	HIGHEST MEAN	25.0	31.0	39.6	52.7	64.8	77.4	77.2	75.4	64.2	49.1	37.9	28.0	77.4	
		MEDIAN	10.1	20.3	28.8	44.0	55.9	65.1	71.3	69.8	58.1	45.3	29.0	15.7	43.2	
		LOWEST MEAN	-3.6	2.7	21.1	35.9	52.0	60.2	63.0	62.9	53.8	38.9	15.1	-3.6	-3.6	
		HIGHEST MEAN YEAR	1987	1998	1986	1987	1977	1988	1989	1983	1978	1997	1999	1997	1988	1988
		LOWEST MEAN YEAR	1978	1979	1996	1975	1983	1993	1992	1977	1993	1976	1985	1983	1978	1978
		MIN OBS TIME ADJUSTMENT	-1.6	-1.5	-1.0	-1.0	-1.0	-0.7	-0.6	-1.1	-1.1	-1.4	-1.5	-1.6		
		MAX OBS TIME ADJUSTMENT	-1.4	-1.6	-1.2	-1.4	-1.2	-1.0	-0.9	-1.4	-1.4	-1.3	-1.4	-1.5		
019	BUTTE 5 SE	HIGHEST MEAN	21.1	26.8	37.6	52.3	64.1	76.4	76.6	74.9	64.1	48.5	38.5	24.9	76.6	
		MEDIAN	6.3	14.4	24.9	42.1	56.0	64.7	70.3	69.1	57.2	44.6	25.1	11.1	40.9	
		LOWEST MEAN	-10.2	-3.6	17.9	31.5	48.2	59.9	63.2	62.1	53.0	39.4	13.0	-1.1	-10.2	
		HIGHEST MEAN YEAR	1990	1984	1986	1987	1977	1988	1989	1984	1998	1973	1999	1999	1989	1989
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1993	1993	1977	1984	1972	1985	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	0.9	1.1	-0.2	-0.7	-1.0	-0.7	-0.8	-1.0	-1.1	-0.8	0.2	0.6		
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.5	0.4	0.2	0.2	0.0	0.0	-0.2	0.0	0.0	0.3		
021	CARRINGTON	HIGHEST MEAN	23.0	26.0	35.1	49.5	63.9	73.1	74.1	72.8	61.5	48.5	36.2	24.1	74.1	
		MEDIAN	6.8	12.8	24.2	40.6	54.8	63.7	68.8	67.0	55.8	43.4	25.4	10.8	40.0	
		LOWEST MEAN	-8.2	-2.5	15.9	31.2	48.0	57.8	61.9	60.9	50.9	39.1	13.2	-2.8	-8.2	
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1988	1983	1978	1973	1999	1999	1988	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1977	1984	1991	1996	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	1.5	2.0	2.1	1.5	0.0	-0.1	-0.1	0.8	0.7	1.2	1.0	1.1		
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.0	0.0	0.0	-0.1	0.3		
022	CARRINGTON 4	HIGHEST MEAN	20.4	26.9	36.2	51.5	65.2	73.5	74.3	74.7	63.6	49.4	37.5	24.3	74.7	
		MEDIAN	6.4	13.2	24.9	41.8	56.2	64.4	69.3	67.9	57.2	44.8	25.9	10.8	40.7	
		LOWEST MEAN	-9.5	-3.6	17.3	31.0	48.8	58.8	62.8	61.2	52.3	38.6	12.9	0.5	-9.5	
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1983	1983	1998	1973	1999	1997	1983	1983
		LOWEST MEAN YEAR	1982	1979	1975	1979	1979	1982	1992	1974	1984	1991	1996	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	1.5	2.0	2.1	1.5	0.0	-0.1	-0.1	0.8	0.7	1.2	1.0	1.1		
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	-0.1	0.3		
023	CARSON	HIGHEST MEAN	25.2	30.7	35.6	50.2	61.4	74.4	74.3	73.2	63.4	48.1	40.1	26.8	74.4	
		MEDIAN	10.6	19.0	26.9	41.6	53.8	62.1	69.2	68.1	56.3	44.2	27.8	16.0	41.3	
		LOWEST MEAN	-4.3	0.1	17.9	31.7	47.1	56.4	61.0	61.0	50.8	37.8	15.4	-1.9	-4.3	
		HIGHEST MEAN YEAR	1992	1998	1986	1987	1977	1988	1989	1983	1998	2000	1999	1997	1988	1988
		LOWEST MEAN YEAR	1979	1979	1996	1975	1979	1985	1992	1977	1984	1972	1985	1983	1979	1979
		MIN OBS TIME ADJUSTMENT	1.5	1.9	2.0	1.4	0.0	0.0	-0.1	0.9	0.8	1.3	1.1	1.2		
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.5	0.5	0.5	0.3	0.2	0.1	-0.1	0.0	0.0	0.3		
024	CASSELTON AGR	HIGHEST MEAN	22.0	26.4	35.9	49.3	65.0	73.3	75.0	74.8	63.2	50.2	37.1	23.9	75.0	
		MEDIAN	5.8	11.8	26.7	42.3	56.8	65.1	70.3	68.9	57.9	45.0	26.1	11.3	41.0	
		LOWEST MEAN	-8.5	-3.8	17.6	33.7	49.3	58.5	62.8	62.5	53.3	40.9	15.2	-3.0	-8.5	
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1988	1983	1978	1973	1999	1997	1988	1988
		LOWEST MEAN YEAR	1982	1979	1975	1975	1979	1982	1992	1977	1993	1976	1985	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.4	0.0	-0.8	-0.6	-0.5	-0.9	-0.6	0.4	1.0	1.1		
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.1	0.0	0.3		
025	CAVALIER 7 NW	HIGHEST MEAN	14.9	23.1	32.5	49.4	66.3	71.3	72.4	71.9	60.4	48.4	35.7	24.0	72.4	
		MEDIAN	2.7	8.0	21.8	39.5	54.1	63.4	67.0	64.7	54.9	42.1	24.0	8.2	37.7	
		LOWEST MEAN	-11.4	-6.6	13.0	28.9	46.5	56.4	60.2	59.7	50.6	36.5	11.9	-4.8	-11.4	
		HIGHEST MEAN YEAR	1990	1984	1973	1977	1977	1988	1989	1983	1976	1973	1981	1997	1989	1989
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1977	1985	1991	1996	2000	1982	1982
		MIN OBS TIME ADJUSTMENT	1.5	1.9	2.1	1.5	0.0	-0.6	-0.2	-0.4	0.7	1.3	0.9	1.0		
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	-0.1	0.2		
026	CENTER 4 SE	HIGHEST MEAN	26.6	29.8	37.9	50.1	61.0	73.7	73.5	74.7	63.2	47.2	36.8	26.9	74.7	
		MEDIAN	10.1	17.8	27.3	41.0	54.0	62.5	68.5	66.9	55.8	44.6	27.0	13.5	40.8	
		LOWEST MEAN	-6.0	0.2	15.5	32.0	47.6	58.0	61.8	58.7	51.5	39.5	15.1	0.5	-6.0	
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1977	1988	1989	1991	1990	1986	1999	1991	1991	1991
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1974	1976	1985	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	1.4	1.8	1.9	2.3	1.5	1.1	1.0	1.7	1.5	1.2	0.9	1.0		
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	-0.1	0.3		
028	COLGATE	HIGHEST MEAN	19.9	22.2	34.7	48.4	65.1	73.6	74.5	74.1	62.0	48.4	34.4	22.2	74.5	
		MEDIAN	4.3	9.2	23.5	41.1	56.0	64.4	69.2	68.6	56.8	42.8	23.3	8.3	39.3	
		LOWEST MEAN	-12.1	-5.9	15.0	32.3	49.0	57.6	62.1	61.6	51.9	38.8	12.1	-5.2	-12.1	
		HIGHEST MEAN YEAR	1990	1998	2000	1977	1977	1988	1988	1983	1998	1973	1999	1997	1988	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1982	1992	1977	1985	1976	1985	1983	1982	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.4	0.0	-0.8	-0.6	-0.6	-0.9	-0.6	0.4	1.0	1.1		
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.1	-0.1	0.3		



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No.	Station Name	Element	NORMALS STATISTICS														
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
029	COOPERSTOWN	HIGHEST MEAN	20.4	24.9	34.7	49.8	65.0	71.9	73.4	74.3	63.1	49.0	35.5	22.1	74.3		
		MEDIAN	4.8	10.9	24.1	41.2	55.4	64.7	69.3	67.6	56.3	43.5	24.2	9.7	39.7		
		LOWEST MEAN	-9.8	-3.1	15.8	32.3	48.1	58.8	61.4	60.7	52.2	39.5	13.0	-1.9	-9.8		
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1983	1978	1973	1981	1997	1983		
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1977	1985	1991	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	-0.7	-0.7	-0.5	-0.4	-0.4	-0.3	-0.3	-0.3	-0.4	-0.5	-0.6	-0.6			
		MAX OBS TIME ADJUSTMENT	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.3			
		031	CROSBY	HIGHEST MEAN	21.8	29.1	39.3	52.6	63.9	76.6	74.5	75.1	61.2	47.7	36.8	26.0	76.6
				MEDIAN	7.6	16.7	27.6	43.0	56.0	64.8	69.3	67.7	56.3	44.1	26.7	12.5	41.2
LOWEST MEAN	-9.5			-0.1	18.1	33.7	49.7	58.8	62.1	61.9	50.8	40.3	12.9	-3.4	-9.5		
HIGHEST MEAN YEAR	1986			1984	1986	1987	1977	1988	1989	1983	1998	1974	1999	1997	1988		
LOWEST MEAN YEAR	1982			1979	1996	1975	1974	1993	1993	1974	1984	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.6			-1.2	-1.0	-0.9	-0.9	-0.8	-0.7	-1.0	-1.0	-1.2	-1.3	-1.5			
MAX OBS TIME ADJUSTMENT	-1.4			-0.7	-0.5	-0.6	-0.6	-0.5	-0.5	-0.8	-0.6	-0.7	-0.9	-1.4			
032	DEVILS LAKE K			HIGHEST MEAN	21.5	26.0	35.4	51.1	65.5	73.8	74.2	73.5	62.6	49.2	37.3	25.1	74.2
				MEDIAN	7.0	12.0	23.6	42.0	56.0	64.8	69.7	68.1	57.1	44.2	25.4	10.4	40.8
		LOWEST MEAN	-9.6	-3.1	16.4	31.8	48.5	59.1	62.6	61.7	51.7	39.4	13.8	-2.6	-9.6		
		HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989		
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1977	1984	1976	1996	1983	1982		
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
		033	DICKINSON AP	HIGHEST MEAN	27.7	34.3	39.0	50.0	60.9	75.9	74.6	77.4	64.2	48.7	40.9	29.6	77.4
				MEDIAN	14.0	22.6	30.6	42.3	54.4	63.0	70.0	69.3	57.5	45.2	29.2	19.0	42.8
LOWEST MEAN	-0.2			6.1	19.0	33.7	48.5	58.1	61.2	61.9	51.8	40.2	16.9	0.9	-0.2		
HIGHEST MEAN YEAR	1992			1984	1986	1980	1977	1988	1989	1983	1998	1983	1999	1979	1983		
LOWEST MEAN YEAR	1982			1989	1996	1975	1974	1993	1993	1977	1986	1972	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
MAX OBS TIME ADJUSTMENT	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
034	DICKINSON EXP			HIGHEST MEAN	25.4	30.2	38.5	48.0	61.7	75.0	74.0	73.9	63.0	48.3	38.7	26.2	75.0
				MEDIAN	12.1	20.5	28.2	41.4	53.2	62.3	68.5	67.6	54.8	43.7	27.9	17.3	41.6
		LOWEST MEAN	-2.6	3.6	20.1	33.7	48.3	56.4	60.8	60.9	49.6	39.1	14.5	-2.8	-2.8		
		HIGHEST MEAN YEAR	1992	1998	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988		
		LOWEST MEAN YEAR	1982	1979	1996	1975	1983	1985	1992	1985	1984	1991	1985	1983	1983		
		MIN OBS TIME ADJUSTMENT	1.3	1.9	2.0	1.4	0.0	-0.1	-0.1	0.9	0.7	1.3	1.1	1.0			
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.5	0.5	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.3			
		035	DICKINSON RAN	HIGHEST MEAN	26.1	30.8	39.6	49.2	61.7	76.1	73.8	74.4	63.3	47.9	40.4	27.5	76.1
				MEDIAN	11.8	20.7	27.8	42.1	54.5	64.0	70.0	69.1	56.4	44.9	27.8	16.1	42.1
LOWEST MEAN	-4.2			2.0	19.2	33.5	49.0	57.6	61.9	62.5	51.3	41.1	14.6	-2.0	-4.2		
HIGHEST MEAN YEAR	1990			1984	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988		
LOWEST MEAN YEAR	1982			1979	1996	1975	1996	1985	1993	1977	1985	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.5			1.9	1.1	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.2	1.2			
MAX OBS TIME ADJUSTMENT	0.5			0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.0	0.3			
036	DRAKE 9 NE			HIGHEST MEAN	19.7	26.4	35.3	51.1	65.6	74.6	74.4	73.3	62.5	47.3	36.5	24.9	74.6
				MEDIAN	4.9	12.0	23.2	41.1	55.4	64.5	68.8	67.8	56.0	43.0	24.4	9.3	39.7
		LOWEST MEAN	-11.2	-4.3	14.5	29.7	48.8	58.1	61.1	61.1	50.8	37.6	10.9	-5.1	-11.2		
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1983	1998	1973	1999	1997	1988		
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1993	1993	1977	1984	1972	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.2	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.2			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.3			
		038	DUNN CENTER 2	HIGHEST MEAN	26.4	32.0	40.4	52.2	63.0	77.4	76.5	76.0	65.5	49.9	40.4	29.6	77.4
				MEDIAN	11.8	22.2	29.4	43.9	56.1	64.5	70.4	71.2	58.0	46.0	28.9	16.9	43.4
LOWEST MEAN	-4.6			3.1	20.9	34.2	49.6	58.5	62.8	64.2	52.9	41.6	17.4	-0.7	-4.6		
HIGHEST MEAN YEAR	1992			1984	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988		
LOWEST MEAN YEAR	1982			1979	1996	1975	1996	1985	1993	1977	1984	1972	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.9			-1.6	-1.3	-1.0	-1.0	-0.7	-0.8	-1.2	-1.3	-1.5	-1.6	-1.8			
MAX OBS TIME ADJUSTMENT	-2.7			-2.3	-1.5	-2.1	-1.9	-1.6	-1.5	-2.1	-1.7	-1.8	-2.2	-2.7			
039	EDGELEY 3 WNW			HIGHEST MEAN	24.2	27.8	35.2	49.9	64.1	73.7	74.2	74.8	63.4	49.6	38.4	25.1	74.8
				MEDIAN	9.4	15.1	26.7	42.2	55.7	64.3	70.2	68.5	57.6	45.1	26.1	13.0	41.7
		LOWEST MEAN	-5.6	-0.1	17.5	32.5	48.9	58.8	61.5	62.6	52.2	41.3	15.8	-1.3	-5.6		
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1988	1983	1978	1973	1999	1999	1983		
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1982	1992	1977	1993	1976	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.3	0.0	-0.7	-0.6	-0.5	-0.4	-0.6	0.5	1.1	1.2			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.5	0.6	0.4	0.3	0.1	0.1	-0.1	0.0	0.0	0.4			
		040	EDMORE 1 NW	HIGHEST MEAN	14.6	23.7	32.7	48.4	63.0	71.9	72.3	71.3	60.0	46.6	33.7	22.4	72.3
				MEDIAN	0.7	6.6	20.1	39.3	53.7	62.2	66.8	65.9	54.2	41.3	21.7	5.3	36.9
LOWEST MEAN	-14.5			-7.9	12.3	28.8	46.1	56.1	59.1	58.7	49.9	36.0	8.6	-6.2	-14.5		
HIGHEST MEAN YEAR	1990			1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989		
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1985	1992	1977	1985	1976	1996	1983	1982		
MIN OBS TIME ADJUSTMENT	0.9			1.1	-0.2	-0.6	-1.0	-0.7	-0.7	-1.1	-1.1	-0.8	0.2	0.5			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.5	0.4	0.2	0.2	0.0	-0.2	-0.2	0.0	0.0	0.3			



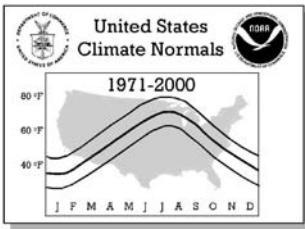
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No.	Station Name	Element	NORMALS STATISTICS														
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
041	EDMUNDS ARROW	HIGHEST MEAN	23.9	27.9	36.4	50.9	64.9	73.9	74.1	73.8	64.4	50.9	39.4	26.7	74.1		
		MEDIAN	7.8	16.0	26.6	42.1	56.9	64.7	70.0	68.7	57.9	45.9	26.8	12.8	41.6		
		LOWEST MEAN	-9.8	-1.5	20.4	33.7	47.7	58.6	61.5	61.7	52.9	40.6	14.6	-1.0	-9.8		
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1988	1983	1998	1973	1999	1997	1988		
		LOWEST MEAN YEAR	1982	1979	1979	1979	1979	1982	1992	1977	1984	1991	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	-1.9	-1.6	-1.1	-1.0	-1.1	-0.7	-0.8	-1.2	-1.4	-1.8	-1.7	-1.8			
		MAX OBS TIME ADJUSTMENT	-1.6	-1.3	-1.4	-1.9	-2.6	-1.4	-1.8	-1.8	-2.7	-2.6	-1.5	-1.6			
		043	ELLEDDALE	HIGHEST MEAN	24.5	30.7	37.4	53.7	65.2	75.0	77.1	78.2	66.2	50.8	38.8	26.1	78.2
				MEDIAN	11.7	17.3	30.2	44.9	57.7	66.4	72.3	71.4	60.0	47.1	28.0	14.5	43.8
				LOWEST MEAN	-3.3	1.7	21.3	35.3	51.8	61.9	64.4	65.3	55.5	40.7	15.2	0.1	-3.3
HIGHEST MEAN YEAR	1990			1987	1973	1987	1977	1988	1988	1983	1998	1973	1999	1979	1983		
LOWEST MEAN YEAR	1982			1979	1996	1975	1979	1985	1992	1977	1985	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.4			-1.5	-1.1	-1.0	-1.0	-0.7	-0.6	-1.0	-1.2	-1.4	-1.4	-1.6			
MAX OBS TIME ADJUSTMENT	-1.3			-1.5	-1.3	-1.4	-1.3	-1.0	-0.9	-1.3	-1.4	-1.3	-1.4	-1.4			
044	ENDERLIN 2 W			HIGHEST MEAN	22.6	28.8	36.7	51.6	65.6	74.4	76.0	75.4	63.7	50.9	39.1	26.2	76.0
				MEDIAN	8.0	14.0	26.9	43.8	57.8	65.7	70.7	69.3	58.1	45.1	26.4	12.9	41.7
				LOWEST MEAN	-6.5	-2.3	17.1	32.6	49.1	60.7	63.9	62.1	52.4	40.1	15.7	0.5	-6.5
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1983	1983	1998	1973	1999	1999	1983		
		LOWEST MEAN YEAR	1979	1979	1975	1975	1979	1982	1992	1977	1974	1976	1985	1983	1979		
		MIN OBS TIME ADJUSTMENT	-1.6	-1.5	-1.1	-1.0	-1.0	-0.7	-0.6	-0.9	-1.2	-1.4	-1.4	-1.5			
		MAX OBS TIME ADJUSTMENT	-1.4	-1.5	-1.3	-1.4	-1.3	-1.0	-0.9	-0.7	-1.0	-1.3	-1.3	-1.4			
		046	FAIRFIELD	HIGHEST MEAN	23.9	28.9	37.7	49.0	60.2	73.5	72.5	73.4	64.0	47.7	39.7	26.3	73.5
				MEDIAN	10.9	19.4	26.1	41.4	53.5	62.0	68.6	67.8	55.5	43.4	26.6	15.5	40.9
				LOWEST MEAN	-6.1	0.9	16.8	31.6	47.2	57.7	60.3	61.0	50.1	39.1	12.1	-4.5	-6.1
HIGHEST MEAN YEAR	1992			1991	1986	1987	1977	1988	1988	1983	1998	1974	1999	1997	1988		
LOWEST MEAN YEAR	1982			1989	1996	1975	1996	1998	1993	1977	1984	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.5			1.9	1.1	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.2			
MAX OBS TIME ADJUSTMENT	0.5			0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.0	0.3			
047	FARGO HECTOR			HIGHEST MEAN	21.3	28.0	36.6	51.3	66.5	73.6	75.6	73.3	63.9	50.8	37.1	23.5	75.6
				MEDIAN	6.8	12.4	28.3	43.3	57.4	65.8	70.6	68.9	57.9	45.2	26.4	12.1	41.5
				LOWEST MEAN	-7.0	-1.4	17.4	36.0	50.4	59.0	64.0	62.3	53.7	39.3	15.2	-0.4	-7.0
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1976	1998	1973	1999	1997	1989		
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1982	1992	1977	1985	1976	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		048	FESSENDEN	HIGHEST MEAN	20.2	25.8	34.6	51.4	64.7	74.6	75.0	75.0	63.2	48.3	34.5	21.8	75.0
				MEDIAN	4.8	10.9	23.2	41.2	56.0	64.9	69.3	67.7	57.3	43.2	24.3	8.7	40.5
				LOWEST MEAN	-9.9	-3.8	15.7	31.9	49.2	58.8	62.1	61.9	52.2	38.3	13.4	-4.7	-9.9
HIGHEST MEAN YEAR	1990			1998	1973	1987	1977	1988	1975	1983	1978	1973	1999	1997	1975		
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1993	1992	1977	1984	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.6			2.1	1.2	0.0	-0.7	-0.6	-0.6	-0.4	-0.5	0.4	1.1	1.2			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.3			
050	FORMAN 5 SSE			HIGHEST MEAN	22.4	28.4	37.0	50.6	65.5	75.5	75.9	75.6	64.3	51.8	38.8	24.4	75.9
				MEDIAN	7.9	13.6	28.1	43.4	57.0	65.2	70.9	69.6	58.2	45.1	27.3	12.9	41.9
				LOWEST MEAN	-6.0	-0.6	18.7	34.7	50.1	60.2	62.9	63.7	53.1	41.4	15.9	-1.9	-6.0
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1988	1983	1978	1973	1999	1999	1988		
		LOWEST MEAN YEAR	1982	1979	1975	1975	1979	1982	1992	1977	1993	1976	1985	1983	1982		
		MIN OBS TIME ADJUSTMENT	1.5	2.0	1.3	0.0	-0.7	-0.6	-0.5	-0.9	-0.6	0.5	1.0	1.2			
		MAX OBS TIME ADJUSTMENT	0.3	0.6	0.6	0.6	0.4	0.3	0.1	0.0	-0.1	0.0	0.0	0.3			
		051	FORTUNA 1 W	HIGHEST MEAN	20.3	27.3	36.5	48.1	60.8	74.0	72.6	73.5	60.6	46.2	35.7	25.2	74.0
				MEDIAN	5.1	13.5	24.1	40.1	53.2	62.4	67.2	65.7	53.6	41.2	24.7	11.3	38.7
				LOWEST MEAN	-12.7	-3.3	15.4	30.0	46.5	56.6	59.8	59.2	46.8	37.5	10.2	-6.6	-12.7
HIGHEST MEAN YEAR	1990			1998	1986	1980	1977	1988	1989	1983	1998	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1985	1992	1977	1984	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.6			0.8	-0.1	-0.6	-0.9	-0.8	-0.8	-1.0	-0.6	-0.8	0.2	1.2			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.3			
052	FORT YATES 4			HIGHEST MEAN	26.0	31.8	38.1	53.6	63.6	78.6	77.8	77.5	65.8	50.8	38.3	29.2	78.6
				MEDIAN	13.4	21.8	29.3	44.5	56.6	66.2	72.8	71.0	59.6	47.6	30.1	18.3	44.4
				LOWEST MEAN	-1.4	2.6	22.2	34.8	51.9	61.6	65.4	64.3	55.6	44.1	17.3	0.4	-1.4
		HIGHEST MEAN YEAR	1990	1984	1986	1987	1977	1988	1989	1983	1978	2000	1999	1997	1988		
		LOWEST MEAN YEAR	1978	1979	1996	1975	1979	1998	1992	1974	1999	1991	1985	1983	1978		
		MIN OBS TIME ADJUSTMENT	-0.8	-1.0	-0.7	-0.7	-0.6	-0.5	-0.4	-0.7	-0.6	-0.8	-0.9	-0.9			
		MAX OBS TIME ADJUSTMENT	-0.3	-0.4	-0.2	-0.2	-0.2	-0.1	-0.1	-0.3	-0.3	-0.4	-0.4	-0.5			
		053	FOXHOLM 7 N	HIGHEST MEAN	20.6	25.9	36.5	51.0	63.1	75.2	73.9	72.3	61.9	48.2	36.4	25.4	75.2
				MEDIAN	6.3	14.9	25.1	41.5	54.8	63.6	68.6	67.7	55.4	43.4	25.1	10.6	39.9
				LOWEST MEAN	-12.8	-5.6	17.3	27.2	45.4	57.6	61.3	59.3	49.9	38.7	9.7	-4.1	-12.8
HIGHEST MEAN YEAR	1986			1998	1986	1987	1977	1988	1989	1983	1998	1994	1999	1987	1988		
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1985	1993	1977	1984	1972	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.3			1.9	2.0	1.5	0.0	-0.1	-0.2	0.9	0.7	1.2	1.1	1.0			
MAX OBS TIME ADJUSTMENT	0.5			0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.2			





# CLIMATOGRAPHY OF THE UNITED STATES NO. 81

## Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

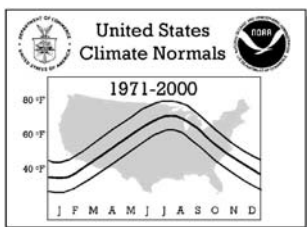
### NORTH DAKOTA

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			NORMALS STATISTICS												
No.	Station Name	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
054	FULLERTON 1 E	HIGHEST MEAN	23.8	30.1	37.7	53.8	64.9	75.1	77.3	77.4	64.0	51.3	38.3	25.4	77.4
		MEDIAN	10.8	15.8	29.4	44.4	57.3	66.3	71.2	69.5	58.9	45.7	27.2	13.7	42.7
		LOWEST MEAN	-6.6	0.9	19.3	35.6	52.1	59.5	63.5	62.6	54.3	42.5	15.9	-0.8	-6.6
		HIGHEST MEAN YEAR	1990	1987	1973	1977	1977	1988	1974	1983	1978	1973	1999	1979	1983
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1982	1992	1977	1993	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.4	-1.5	-1.1	-1.0	-1.0	-0.7	-0.6	-1.0	-1.2	-1.4	-1.4	-1.5	
		MAX OBS TIME ADJUSTMENT	-1.3	-1.5	-1.3	-1.4	-1.3	-1.0	-0.9	-1.3	-1.4	-1.3	-1.4	-1.4	
055	GACKLE	HIGHEST MEAN	23.0	27.1	35.8	52.2	64.0	75.1	76.0	77.1	64.8	49.6	39.1	24.4	77.1
		MEDIAN	9.0	15.2	26.5	42.8	56.0	65.5	71.3	69.5	58.3	45.5	26.3	12.8	42.1
		LOWEST MEAN	-6.0	0.6	18.3	32.9	49.8	59.9	62.7	62.5	53.2	40.8	15.6	-2.0	-6.0
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1974	1983	1998	1973	1999	1999	1983
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1993	1992	1977	1985	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.6	-1.5	-1.1	-1.0	-1.0	-0.7	-0.6	-1.0	-1.2	-1.4	-1.4	-1.6	
		MAX OBS TIME ADJUSTMENT	-1.4	-1.6	-1.3	-1.4	-1.2	-1.0	-0.9	-1.3	-1.0	-1.3	-1.4	-1.5	
056	GARRISON 1 NN	HIGHEST MEAN	23.3	28.7	36.4	50.0	63.7	74.4	73.6	75.4	62.1	48.6	37.7	27.5	75.4
		MEDIAN	7.5	15.2	26.6	41.3	54.3	63.1	68.7	67.8	56.0	43.5	26.9	13.8	40.6
		LOWEST MEAN	-10.0	-3.5	16.4	32.5	48.6	57.6	61.3	62.0	50.2	38.6	14.2	-4.6	-10.0
		HIGHEST MEAN YEAR	1990	1998	1986	1977	1977	1988	1989	1983	1998	1973	1999	1997	1983
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1985	1984	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.1	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.2	1.2	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.0	0.4	
058	GRAFTON	HIGHEST MEAN	18.8	27.6	36.6	52.4	67.6	75.2	75.7	76.6	64.5	50.9	37.4	26.3	76.6
		MEDIAN	5.6	12.0	26.1	43.2	58.2	67.1	71.3	70.0	58.5	45.3	26.3	10.5	41.3
		LOWEST MEAN	-8.5	-3.6	15.4	33.4	50.2	60.0	63.8	63.8	53.8	39.2	13.4	-1.1	-8.5
		HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1983	1983	1978	1973	1999	1997	1983
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1982	1992	1977	1985	1991	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.5	-1.4	-1.1	-0.9	-0.9	-0.6	-0.6	-0.8	-1.0	-1.2	-1.2	-1.3	
		MAX OBS TIME ADJUSTMENT	-0.9	-0.9	-0.5	-0.6	-0.6	-0.5	-0.5	-0.4	-0.6	-0.7	-0.8	-1.0	
059	GRAND FORKS I	HIGHEST MEAN	18.9	25.7	35.7	50.7	67.4	72.0	74.5	73.6	62.3	50.1	36.4	24.6	74.5
		MEDIAN	6.1	12.7	26.3	42.1	56.1	65.2	69.4	67.5	56.9	44.4	25.7	11.6	40.7
		LOWEST MEAN	-7.6	-3.8	15.9	33.4	48.6	58.6	62.7	61.4	52.0	39.2	12.0	-0.4	-7.6
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1983	1997	1973	1981	1997	1989
		LOWEST MEAN YEAR	1979	1979	1996	1979	1979	1982	1992	1977	1974	1991	1985	2000	1979
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
060	GRAND FORKS U	HIGHEST MEAN	19.2	25.0	35.3	52.1	66.2	73.7	75.4	73.8	62.1	50.2	36.4	22.6	75.4
		MEDIAN	5.6	11.2	26.1	41.5	56.7	65.4	69.7	68.0	57.0	44.7	25.1	11.2	40.1
		LOWEST MEAN	-8.0	-4.3	17.5	33.1	47.7	59.0	62.0	60.1	51.9	38.4	14.5	-0.7	-8.0
		HIGHEST MEAN YEAR	1990	1987	1973	1987	1977	1988	1989	1983	1978	1973	1981	1997	1989
		LOWEST MEAN YEAR	1982	1979	1975	1979	1979	1982	1992	1977	1993	1991	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
061	GRANVILLE	HIGHEST MEAN	23.9	28.3	37.7	52.0	65.0	76.3	74.8	74.3	64.7	50.1	40.1	28.9	76.3
		MEDIAN	8.1	14.4	27.5	43.1	55.5	64.7	69.6	69.4	57.4	44.7	28.4	13.1	41.3
		LOWEST MEAN	-9.0	1.6	17.9	32.5	47.2	57.9	63.0	59.9	50.1	37.0	12.0	-1.6	-9.0
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988
		LOWEST MEAN YEAR	1982	1989	1996	1979	1979	1985	1992	1980	1984	1976	1996	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.2	-1.0	-1.0	-0.7	-0.8	-1.2	-1.3	-1.5	-1.6	-1.7	
		MAX OBS TIME ADJUSTMENT	-2.2	-2.3	-1.5	-2.1	-1.9	-1.6	-1.5	-2.1	-1.7	-1.8	-2.2	-2.2	
062	GRASSY BUTTE	HIGHEST MEAN	25.6	31.3	39.5	50.8	61.2	75.7	74.2	74.4	63.8	47.4	40.3	27.0	75.7
		MEDIAN	11.6	22.1	29.0	42.7	55.0	62.3	68.8	68.8	56.4	44.8	28.0	16.4	42.2
		LOWEST MEAN	-3.3	3.5	19.2	33.6	48.9	57.5	61.0	60.8	51.4	40.3	14.6	-2.5	-3.3
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988
		LOWEST MEAN YEAR	1982	1979	1996	1975	1996	1985	1993	1977	1984	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.7	-1.4	-1.1	-1.0	-0.9	-0.7	-0.8	-1.1	-1.2	-1.4	-1.5	-1.7	
		MAX OBS TIME ADJUSTMENT	-2.1	-1.5	-0.9	-1.2	-1.2	-1.0	-0.9	-1.4	-1.0	-1.1	-1.4	-2.1	
063	GRENORA	HIGHEST MEAN	22.9	28.0	36.2	50.5	62.1	76.3	74.8	74.7	63.3	49.0	36.8	23.6	76.3
		MEDIAN	6.2	17.8	27.5	42.1	55.9	63.6	69.0	67.8	55.3	43.6	25.6	11.3	40.7
		LOWEST MEAN	-9.3	-0.2	18.1	33.2	48.8	57.9	61.5	60.8	48.1	39.5	9.3	-6.6	-9.3
		HIGHEST MEAN YEAR	1990	1984	1986	1987	1977	1988	1989	1983	1998	1974	1999	1999	1988
		LOWEST MEAN YEAR	1982	1989	1996	1975	1979	1985	1993	1977	1985	1984	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	0.9	-0.3	-0.8	-0.9	-1.0	-0.9	-0.9	-1.2	-1.1	-1.4	-1.0	0.6	
		MAX OBS TIME ADJUSTMENT	0.6	0.5	0.3	0.0	-0.2	-0.2	-0.3	-0.2	-0.2	-0.3	-0.1	0.4	
065	HANKINSON	HIGHEST MEAN	22.2	28.8	36.9	51.3	63.2	73.5	77.8	75.6	64.6	51.9	38.9	25.2	77.8
		MEDIAN	9.2	13.8	27.1	43.7	57.8	66.4	71.4	69.3	58.1	45.4	27.2	14.9	42.5
		LOWEST MEAN	-6.2	-1.7	19.2	36.1	50.4	61.5	63.9	62.8	54.0	42.6	16.6	-0.3	-6.2
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1975	1983	1998	1973	1999	1997	1975
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1977	1993	1988	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.5	2.0	1.3	0.0	-0.8	-0.6	-0.5	-0.9	-0.6	0.5	0.2	1.2	
		MAX OBS TIME ADJUSTMENT	0.3	0.6	0.6	0.6	0.4	0.3	0.1	0.0	-0.1	0.0	0.0	0.3	





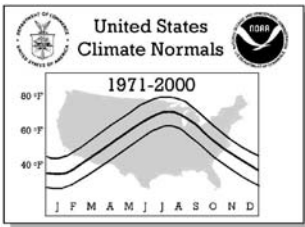


# CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

## NORTH DAKOTA

			NORMALS STATISTICS												
No.	Station Name	Element	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
091	MAYVILLE	HIGHEST MEAN	21.5	27.4	37.2	53.0	65.4	73.9	75.0	73.0	64.7	50.1	38.2	24.8	75.0
		MEDIAN	6.4	13.1	26.9	43.4	57.7	65.6	70.0	68.6	57.5	46.0	26.1	11.3	41.4
		LOWEST MEAN	-8.8	-3.8	17.7	33.5	49.1	59.2	63.6	61.8	53.5	40.7	15.6	-3.1	-8.8
		HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989
		LOWEST MEAN YEAR	1982	1979	1975	1979	1979	1982	1992	1977	1985	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.4	-1.0	-1.1	-0.7	-0.7	-1.0	-1.2	-1.5	-1.5	-1.6	
		MAX OBS TIME ADJUSTMENT	-2.2	-2.3	-1.7	-2.1	-2.1	-1.6	-1.4	-1.3	-1.7	-1.8	-2.1	-2.1	
		HIGHEST MEAN	23.8	28.8	38.4	51.1	65.5	76.9	75.1	76.0	64.5	49.3	38.9	26.2	76.9
		MEDIAN	9.1	16.4	27.4	43.5	56.8	65.7	71.0	69.4	58.0	45.5	27.0	13.7	42.5
LOWEST MEAN	-6.9	-0.3	19.0	33.1	50.0	60.1	63.6	63.2	53.8	40.4	14.7	-2.0	-6.9		
HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1989	1983	1998	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1984	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.7	-1.5	-1.2	-1.0	-1.0	-0.7	-0.7	-1.1	-1.1	-1.4	-1.5	-1.6			
MAX OBS TIME ADJUSTMENT	-1.4	-1.6	-0.9	-1.2	-1.2	-1.0	-0.9	-1.4	-1.0	-1.1	-1.4	-1.5			
093	MC HENRY 3 W	HIGHEST MEAN	21.9	26.0	34.7	49.4	64.5	73.6	74.3	74.0	63.2	47.6	36.8	23.5	74.3
		MEDIAN	4.8	11.4	23.4	41.4	55.6	63.5	69.3	67.9	56.2	43.9	24.6	9.1	39.8
		LOWEST MEAN	-11.5	-3.8	15.6	31.0	47.5	57.8	63.2	60.9	52.2	38.0	13.1	-3.9	-11.5
		HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1982	1992	1977	1972	1976	1996	1983	1982
		MIN OBS TIME ADJUSTMENT	-0.5	-0.4	-0.9	-0.9	-1.1	-0.7	-0.8	-1.2	-1.4	-1.5	-0.9	-0.6	
		MAX OBS TIME ADJUSTMENT	0.4	0.5	0.3	0.0	-0.3	0.0	-0.3	-0.6	-0.6	-0.3	-0.1	0.2	
		HIGHEST MEAN	20.5	25.8	36.5	50.5	64.9	73.7	75.0	74.2	64.5	50.2	36.6	22.4	75.0
		MEDIAN	5.8	11.0	25.5	42.4	56.7	66.3	70.8	69.7	58.2	44.6	25.6	10.6	41.0
LOWEST MEAN	-9.8	-3.4	17.2	33.6	50.3	60.2	64.4	63.4	53.1	40.7	14.7	-3.7	-9.8		
HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1975	1983	1978	1973	1999	1979	1975		
LOWEST MEAN YEAR	1982	1979	1975	1975	1979	1982	1992	1977	1985	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.6	2.0	1.3	0.0	-0.8	-0.6	-0.5	-0.9	-0.6	0.5	1.0	1.1			
MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.6	0.4	0.3	0.1	0.0	-0.1	0.0	-0.1	0.3			
095	MC VILLE	HIGHEST MEAN	19.7	25.5	34.8	49.7	65.2	74.4	75.2	76.3	63.9	49.4	35.8	22.8	76.3
		MEDIAN	4.4	11.1	23.1	41.5	56.3	65.1	70.1	68.3	56.7	43.6	24.6	8.8	40.1
		LOWEST MEAN	-11.0	-3.4	16.5	31.3	48.5	58.1	61.7	61.0	51.4	36.9	11.8	-4.0	-11.0
		HIGHEST MEAN YEAR	1990	1998	2000	1977	1977	1988	1989	1983	1978	1973	1999	1997	1983
		LOWEST MEAN YEAR	1982	1979	1989	1979	1979	1982	1992	1977	1985	1991	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.3	-1.0	-1.1	-0.7	-0.7	-1.0	-1.2	-1.5	-1.5	-1.6	
		MAX OBS TIME ADJUSTMENT	-2.2	-2.3	-1.6	-2.1	-2.1	-1.6	-1.4	-1.3	-1.7	-1.8	-2.1	-2.1	
		HIGHEST MEAN	29.2	33.9	42.0	51.6	62.7	77.3	75.9	77.1	65.6	50.8	40.1	28.8	77.3
		MEDIAN	15.5	25.2	32.2	44.7	55.7	64.9	71.5	70.6	57.8	46.9	30.9	19.9	44.6
LOWEST MEAN	0.7	7.7	21.9	36.1	50.8	54.9	63.4	63.0	52.6	42.4	16.8	1.2	0.7		
HIGHEST MEAN YEAR	1992	1992	1986	1987	1977	1988	1989	1983	1998	1973	1999	1979	1988		
LOWEST MEAN YEAR	1982	1979	1996	1975	1996	1998	1993	1977	1984	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.1	-1.0	-1.0	-0.7	-0.9	-1.2	-1.5	-1.7	-1.8	-1.8			
MAX OBS TIME ADJUSTMENT	-1.5	-2.0	-1.9	-2.6	-2.8	-2.0	-2.3	-2.5	-2.8	-2.9	-2.3	-1.6			
097	MEDORA	HIGHEST MEAN	24.6	29.0	37.1	51.9	62.8	75.4	74.4	74.5	63.2	48.7	39.6	28.8	75.4
		MEDIAN	9.4	17.5	27.3	42.6	55.6	64.1	69.9	68.9	56.5	45.0	27.2	13.6	41.8
		LOWEST MEAN	-7.1	1.3	19.4	33.3	48.1	58.9	62.5	61.6	51.2	39.6	13.2	-0.9	-7.1
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1975	1983	1998	1973	1999	1997	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1993	1993	1977	1985	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		HIGHEST MEAN	22.0	26.9	36.2	50.0	63.9	75.0	73.4	72.9	61.1	48.2	37.8	26.0	75.0
		MEDIAN	7.2	14.6	25.4	41.2	55.1	64.0	68.7	67.5	55.2	43.1	25.9	12.6	40.5
LOWEST MEAN	-10.1	-1.6	16.4	30.8	48.1	57.6	61.3	60.8	49.8	38.2	12.9	-3.7	-10.1		
HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1975	1983	1998	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1984	1991	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.5	2.0	1.1	0.0	-0.7	-0.6	-0.7	-0.4	-0.6	0.4	1.2	1.2			
MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.4			
100	MOFFIT 3 SE	HIGHEST MEAN	23.9	30.2	39.0	52.9	64.8	77.7	76.7	76.0	65.7	50.1	39.6	26.4	77.7
		MEDIAN	9.7	17.7	27.7	43.8	56.7	65.6	71.8	70.3	58.9	46.4	27.9	15.8	43.1
		LOWEST MEAN	-5.3	0.9	20.8	34.6	50.5	61.2	64.5	61.9	54.4	38.9	16.4	-2.7	-5.3
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1989	1983	1998	2000	1999	1997	1988
		LOWEST MEAN YEAR	1979	1979	1996	1975	1979	1985	1992	1977	1984	1976	1985	1983	1979
		MIN OBS TIME ADJUSTMENT	-1.9	-1.6	-1.1	-1.1	-1.0	-0.7	-0.6	-1.2	-1.4	-1.6	-1.7	-1.8	
		MAX OBS TIME ADJUSTMENT	-2.8	-2.8	-2.4	-2.8	-2.7	-2.0	-1.8	-2.6	-2.6	-2.9	-2.8	-2.8	
		HIGHEST MEAN	20.8	27.0	34.7	48.5	61.5	72.7	71.3	71.1	61.7	45.5	38.8	26.7	72.7
		MEDIAN	6.1	13.2	24.7	39.2	53.1	61.7	66.5	66.5	53.9	42.0	24.9	9.7	38.5
LOWEST MEAN	-13.1	-4.6	14.4	29.5	44.1	55.2	59.9	58.5	47.4	36.5	11.9	-4.4	-13.1		
HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1989	1983	1998	1994	1999	1999	1988		
LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1972	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	1.1	1.6	1.9	2.4	1.5	1.3	1.0	1.7	1.5	1.1	0.9	0.8			
MAX OBS TIME ADJUSTMENT	0.4	0.6	0.6	0.6	0.5	0.3	0.2	0.1	0.0	0.0	-0.1	0.1			
101	MOHALL	HIGHEST MEAN	21.5	27.4	37.2	53.0	65.4	73.9	75.0	73.0	64.7	50.1	38.2	24.8	75.0
		MEDIAN	6.4	13.1	26.9	43.4	57.7	65.6	70.0	68.6	57.5	46.0	26.1	11.3	41.4
		LOWEST MEAN	-8.8	-3.8	17.7	33.5	49.1	59.2	63.6	61.8	53.5	40.7	15.6	-3.1	-8.8
		HIGHEST MEAN YEAR	1990	1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989
		LOWEST MEAN YEAR	1982	1979	1975	1979	1979	1982	1992	1977	1985	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.4	-1.0	-1.1	-0.7	-0.7	-1.0	-1.2	-1.5	-1.5	-1.6	
		MAX OBS TIME ADJUSTMENT	-2.2	-2.3	-1.7	-2.1	-2.1	-1.6	-1.4	-1.3	-1.7	-1.8	-2.1	-2.1	
		HIGHEST MEAN	23.8	28.8	38.4	51.1	65.5	76.9	75.1	76.0	64.5	49.3	38.9	26.2	76.9
		MEDIAN	9.1	16.4	27.4	43.5	56.8	65.7	71.0	69.4	58.0	45.5	27.0	13.7	42.5
LOWEST MEAN	-6.9	-0.3	19.0	33.1	50.0	60.1	63.6	63.2	53.8	40.4	14.7	-2.0	-6.9		
HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1989	1983	1998	1973	1999	1997	1988		
LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1984	1976	1985	1983	1982		
MIN OBS TIME ADJUSTMENT	-1.7	-1.5	-1.2	-1.0	-1.0	-0.7	-0.7	-1.1	-1.1	-1.4	-1.5	-1.6			
MAX OBS TIME ADJUSTMENT	-1.4	-1.6	-0.9	-1.2	-1.2	-1.0	-0.9	-1.4	-1.0	-1.1	-1.4	-1.5			



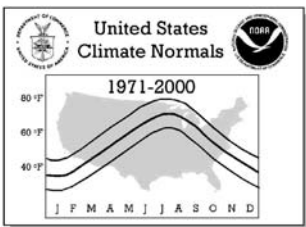
## CLIMATOGRAPHY OF THE UNITED STATES NO. 81

### Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

## NORTH DAKOTA

No.	Station Name	Element	NORMALS STATISTICS														
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
103	MOTT	HIGHEST MEAN	26.9	31.5	39.2	48.3	61.8	73.5	74.4	74.5	64.9	47.3	39.4	26.9	74.5		
		MEDIAN	11.8	21.2	27.9	41.9	53.7	63.4	70.1	68.8	56.2	43.9	27.3	17.4	42.1		
		LOWEST MEAN	-3.9	1.9	19.1	33.0	49.2	58.7	62.0	60.3	51.2	38.8	15.3	-1.5	-3.9		
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1977	1988	1989	1983	1998	1997	1999	1999	1983	1983	
		LOWEST MEAN YEAR	1978	1979	1996	1975	1996	1993	1993	1983	1977	1993	1976	1985	1983	1978	
		MIN OBS TIME ADJUSTMENT	1.5	1.9	2.0	1.4	0.0	0.0	-0.1	0.8	0.8	1.3	1.1	1.2			
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.5	0.5	0.4	0.3	0.2	0.0	-0.1	0.0	0.0	0.3			
		104	NAPOLEON	HIGHEST MEAN	22.3	27.5	36.0	50.1	62.9	73.6	74.1	74.6	63.1	48.2	39.1	24.2	74.6
				MEDIAN	7.4	15.1	25.8	41.6	54.6	63.7	70.1	68.6	57.1	44.0	26.1	13.4	41.4
LOWEST MEAN	-7.2			-1.0	17.3	31.6	48.1	57.6	61.3	61.3	51.6	38.5	15.3	-2.9	-7.2		
HIGHEST MEAN YEAR	1990			1998	1973	1977	1977	1988	1989	1983	1998	1973	1999	1997	1983	1983	
LOWEST MEAN YEAR	1982			1979	1996	1975	1979	1985	1992	1977	1993	1976	1985	1983	1982	1982	
MIN OBS TIME ADJUSTMENT	1.6			2.0	1.3	0.0	-0.7	-0.5	-0.6	-0.4	-0.6	0.5	1.1	1.2			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.5	0.5	0.4	0.3	0.1	0.1	-0.1	0.0	0.0	0.4			
105	NEW ENGLAND			HIGHEST MEAN	27.8	32.7	40.1	51.3	61.9	77.0	74.5	74.9	63.8	47.7	40.0	28.1	77.0
				MEDIAN	14.2	23.5	29.8	43.2	55.1	63.8	69.9	68.8	56.9	44.9	28.8	18.6	43.1
		LOWEST MEAN	-0.2	4.0	19.6	34.3	49.5	58.6	62.1	62.3	51.4	41.1	14.2	-0.3	-0.3		
		HIGHEST MEAN YEAR	1992	1984	1986	1987	1977	1988	1989	1983	1998	1973	1999	1979	1988	1988	
		LOWEST MEAN YEAR	1979	1979	1996	1975	1996	1998	1993	1974	1984	1972	1985	1983	1983	1983	
		MIN OBS TIME ADJUSTMENT	-1.6	-1.3	-1.0	-0.9	-0.9	-0.7	-0.7	-1.0	-1.0	-1.2	-1.3	-1.4			
		MAX OBS TIME ADJUSTMENT	-1.4	-0.9	-0.7	-0.7	-0.6	-0.6	-0.5	-0.8	-0.6	-0.8	-0.9	-1.0			
		106	NEW SALEM 5 N	HIGHEST MEAN	21.9	30.1	37.2	50.8	62.5	75.6	74.7	74.8	63.4	47.3	39.1	26.3	75.6
				MEDIAN	8.2	17.5	25.6	41.3	54.1	63.4	69.9	68.3	57.2	43.9	25.9	13.7	41.2
LOWEST MEAN	-7.4			1.0	18.1	32.0	49.1	58.8	61.5	61.5	51.8	37.7	12.1	-3.4	-7.4		
HIGHEST MEAN YEAR	1992			1998	1986	1987	1977	1988	1989	1983	1998	2000	1999	1997	1988	1988	
LOWEST MEAN YEAR	1982			1979	1996	1975	1979	1993	1992	1974	1985	1991	1985	1983	1982	1982	
MIN OBS TIME ADJUSTMENT	1.6			2.0	1.2	0.0	-0.7	-0.5	-0.6	-0.4	-0.6	0.5	1.1	1.3			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.4			
107	OAKES 2 S			HIGHEST MEAN	22.5	27.6	36.3	51.2	65.0	75.1	75.7	75.7	64.1	50.3	37.0	24.0	75.7
				MEDIAN	8.2	13.1	26.8	42.5	56.8	65.2	71.2	69.3	57.8	44.5	26.6	13.0	41.9
		LOWEST MEAN	-6.5	-0.9	18.3	34.2	49.3	60.3	63.7	63.7	52.5	39.9	15.1	-1.6	-6.5		
		HIGHEST MEAN YEAR	1990	1987	1973	1987	1977	1988	1989	1983	1998	1973	1999	1999	1989	1989	
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1982	1992	1992	1993	1976	1985	1983	1982	1982	
		MIN OBS TIME ADJUSTMENT	1.5	2.0	1.3	0.0	-0.7	-0.6	-0.5	-0.4	-0.6	0.5	1.0	1.2			
		MAX OBS TIME ADJUSTMENT	0.3	0.6	0.6	0.6	0.4	0.3	0.1	0.0	-0.1	0.0	0.0	0.3			
		108	PARK RIVER	HIGHEST MEAN	18.9	27.4	36.1	50.1	65.5	72.1	74.2	74.9	63.3	50.1	37.5	26.0	74.9
				MEDIAN	5.0	12.2	24.6	41.9	56.6	65.4	69.4	68.1	57.2	44.6	25.5	10.3	40.7
LOWEST MEAN	-8.7			-3.4	15.7	32.0	48.0	58.4	62.0	61.6	51.9	38.2	13.1	-0.2	-8.7		
HIGHEST MEAN YEAR	1990			1998	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1983	1983	
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1982	1992	1977	1985	1991	1985	1983	1982	1982	
MIN OBS TIME ADJUSTMENT	-1.5			-1.4	-1.1	-0.9	-0.9	-0.5	-0.6	-0.8	-1.0	-1.2	-1.2	-1.3			
MAX OBS TIME ADJUSTMENT	-0.9			-0.9	-0.5	-0.6	-0.6	-0.3	-0.5	-0.4	-0.6	-0.7	-0.8	-0.9			
109	PEMBINA			HIGHEST MEAN	13.4	24.3	34.1	47.2	65.3	71.0	72.5	71.6	59.4	48.4	34.0	24.4	72.5
				MEDIAN	0.4	7.0	22.6	39.9	55.0	62.8	67.0	65.7	54.4	41.1	23.8	7.1	37.4
		LOWEST MEAN	-12.3	-8.1	11.7	30.2	46.5	55.3	59.2	58.1	49.3	35.1	11.6	-4.7	-12.3		
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1974	1983	1998	1973	1999	1997	1974	1974	
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1982	1992	1977	1984	1991	1985	1983	1982	1982	
		MIN OBS TIME ADJUSTMENT	1.6	1.9	1.2	0.0	-0.8	-0.8	-0.6	-1.0	-0.6	0.4	1.1	1.1			
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.6	0.4	0.1	0.1	0.0	0.0	0.1	0.2	0.3			
		110	PETERSBURG 2	HIGHEST MEAN	17.7	24.3	33.3	48.1	63.0	70.2	70.9	71.4	61.8	47.4	35.1	22.6	71.4
				MEDIAN	1.8	7.9	21.0	39.9	54.6	63.2	67.1	65.7	54.8	41.5	23.1	7.2	37.8
LOWEST MEAN	-12.7			-6.4	13.1	28.8	45.5	55.6	60.5	58.8	49.6	36.6	11.7	-5.0	-12.7		
HIGHEST MEAN YEAR	1990			1998	2000	1987	1977	1988	1983	1983	1998	1973	1999	1997	1983	1983	
LOWEST MEAN YEAR	1982			1979	1996	1979	1979	1982	1992	1977	1984	1976	1996	1983	1982	1982	
MIN OBS TIME ADJUSTMENT	1.6			2.0	1.2	0.0	-0.7	-0.6	-0.6	-0.9	-0.6	0.4	1.0	1.1			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.1	-0.1	0.3			
111	PETTIBONE			HIGHEST MEAN	21.7	26.4	36.0	50.8	65.4	75.6	75.7	75.3	64.8	49.8	37.8	23.7	75.7
				MEDIAN	6.7	13.4	25.1	42.6	55.9	65.0	71.0	70.0	58.1	44.7	26.0	12.5	41.4
		LOWEST MEAN	-6.9	-0.7	17.0	34.9	47.1	59.9	63.1	63.3	53.0	37.1	14.3	-4.8	-6.9		
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1988	1983	1998	1973	1999	1979	1988	1988	
		LOWEST MEAN YEAR	1982	1979	1996	1997	1979	1993	1993	1977	1985	1976	1985	1983	1982	1982	
		MIN OBS TIME ADJUSTMENT	-1.8	-1.6	-1.1	-1.0	-1.1	-0.7	-0.7	-1.1	-1.2	-1.6	-1.6	-1.7			
		MAX OBS TIME ADJUSTMENT	-2.2	-2.4	-1.9	-2.2	-2.0	-1.5	-1.4	-2.1	-1.7	-1.8	-2.1	-2.2			
		112	POWERS LAKE 1	HIGHEST MEAN	19.6	25.6	35.9	51.0	61.0	72.7	71.9	73.0	60.5	45.5	34.5	22.8	73.0
				MEDIAN	4.2	12.8	24.8	39.7	53.5	61.6	66.9	65.6	54.0	41.8	24.8	11.0	38.5
LOWEST MEAN	-11.6			-2.6	13.2	29.7	45.8	55.9	59.5	58.8	48.2	36.9	12.1	-5.9	-11.6		
HIGHEST MEAN YEAR	1990			1984	1986	1987	1977	1988	1989	1983	1990	1977	1981	1997	1983	1983	
LOWEST MEAN YEAR	1982			1994	1996	1979	1979	1985	1993	1977	1972	1991	1985	1983	1982	1982	
MIN OBS TIME ADJUSTMENT	1.6			1.0	-0.2	-0.7	-0.9	-0.8	-0.8	-1.0	-1.2	-0.8	0.2	1.2			
MAX OBS TIME ADJUSTMENT	0.6			0.6	0.5	0.4	0.2	0.1	0.0	0.0	-0.2	0.0	0.0	0.4			





**CLIMATOGRAPHY OF THE UNITED STATES NO. 81**  
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days  
**1971-2000**

**NORTH DAKOTA**

No.	Station Name	Element	NORMALS STATISTICS												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
130	TOWNER 2 NE	HIGHEST MEAN	20.2	26.2	34.0	48.8	62.6	73.5	72.5	73.0	61.1	48.4	34.8	24.2	73.5
		MEDIAN	3.7	10.3	21.9	40.3	54.7	62.8	68.2	67.0	54.9	41.9	24.2	9.6	39.0
		LOWEST MEAN	-12.2	-6.4	13.6	28.2	47.0	56.5	61.0	57.9	50.0	36.4	10.6	-5.0	-12.2
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1989	1983	1998	1973	1999	1997	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1974	1985	1993	1977	1984	1991	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.1	1.2	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.2	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.3	
131	TROTTERS 3 SS	HIGHEST MEAN	27.9	31.9	40.2	50.9	61.7	76.7	74.3	75.3	65.3	48.2	41.4	29.2	76.7
		MEDIAN	13.5	23.0	30.3	43.7	54.5	63.2	69.6	69.6	56.4	45.2	29.1	17.5	42.9
		LOWEST MEAN	-3.1	4.4	19.8	34.6	49.2	58.0	61.6	61.7	50.9	40.1	13.5	-2.0	-3.1
		HIGHEST MEAN YEAR	1992	1998	1986	1987	1988	1988	1989	1983	1998	1974	1999	1999	1988
		LOWEST MEAN YEAR	1982	1989	1996	1975	1974	1998	1993	1974	1984	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.6	-1.3	-1.0	-0.9	-0.9	-0.6	-0.7	-1.0	-1.2	-1.2	-1.3	-1.5	
		MAX OBS TIME ADJUSTMENT	-1.4	-0.8	-0.5	-0.6	-0.6	-0.5	-0.5	-0.8	-1.0	-0.7	-0.9	-1.4	
132	TURTLE LAKE	HIGHEST MEAN	23.6	27.5	37.7	49.4	63.7	74.5	74.1	74.6	61.9	48.5	37.3	25.0	74.6
		MEDIAN	6.7	14.9	25.9	41.2	54.3	64.0	68.8	68.7	56.3	44.3	25.7	12.9	40.6
		LOWEST MEAN	-8.9	-2.2	17.0	31.9	48.4	57.3	61.4	61.7	51.2	39.4	14.4	-4.0	-8.9
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1974	1983	1978	1974	1999	1997	1983
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1992	1985	1993	1991	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	0.9	1.1	-0.2	-0.7	-0.9	-0.7	-0.8	-1.0	-1.1	-0.8	0.2	0.6	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.5	0.4	0.2	0.2	0.0	0.0	-0.2	0.0	0.0	0.4	
133	TUTTLE	HIGHEST MEAN	25.5	29.8	39.2	52.2	64.1	75.5	74.4	76.2	64.0	49.3	40.2	28.1	76.2
		MEDIAN	9.7	17.5	27.6	43.8	56.6	65.2	70.6	70.1	57.7	45.7	28.3	14.8	42.5
		LOWEST MEAN	-4.1	-2.0	18.9	32.4	50.5	59.0	63.2	61.0	53.2	39.7	16.9	0.8	-4.1
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1983	1983	1998	1973	1999	1997	1983
		LOWEST MEAN YEAR	1979	1979	1979	1979	1979	1985	1992	1977	1984	1976	1996	1983	1979
		MIN OBS TIME ADJUSTMENT	-1.9	-1.7	-1.1	-1.1	-1.1	-0.7	-0.8	-1.2	-1.3	-1.7	-1.7	-1.8	
		MAX OBS TIME ADJUSTMENT	-2.8	-2.9	-2.4	-2.8	-2.7	-2.0	-2.0	-2.6	-2.5	-2.7	-2.7	-2.8	
134	UNDERWOOD	HIGHEST MEAN	20.9	26.4	36.4	50.8	62.7	75.9	74.2	74.6	63.9	46.5	38.5	24.6	75.9
		MEDIAN	7.1	14.4	25.4	41.4	55.1	64.1	69.6	68.3	56.6	43.7	25.2	11.3	40.6
		LOWEST MEAN	-8.5	-2.1	16.2	32.1	48.9	58.9	62.3	60.7	52.2	38.8	12.5	-4.0	-8.5
		HIGHEST MEAN YEAR	1992	1998	1986	1987	1977	1988	1989	1983	1998	1973	1999	1999	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1993	1993	1977	1986	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.1	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.3	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.4	
135	UPHAM 3 N	HIGHEST MEAN	18.5	25.3	35.4	50.7	62.8	74.3	72.0	72.5	60.2	46.0	35.1	22.5	74.3
		MEDIAN	3.2	10.1	23.4	40.5	54.6	63.1	67.9	66.7	54.3	41.5	23.9	8.8	38.7
		LOWEST MEAN	-12.9	-3.4	14.4	29.5	47.8	57.3	61.2	59.7	49.7	36.3	11.4	-4.5	-12.9
		HIGHEST MEAN YEAR	1990	1998	1973	1987	1977	1988	1975	1983	1998	1973	1981	1997	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1985	1993	1977	1972	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.5	2.0	1.2	0.0	-0.7	-0.6	-0.6	-0.4	-0.6	0.4	1.1	1.2	
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.3	
136	VALLEY CITY 3	HIGHEST MEAN	22.2	26.4	34.4	48.3	64.0	71.1	73.0	71.5	62.4	49.4	36.6	24.0	73.0
		MEDIAN	5.9	11.8	24.2	41.3	55.1	63.7	68.6	66.9	56.0	43.3	25.8	10.2	39.8
		LOWEST MEAN	-9.2	-3.7	16.1	31.0	47.7	57.3	62.4	59.4	51.5	36.4	13.5	-2.2	-9.2
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1982	1992	1977	1984	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.5	2.0	2.2	1.5	0.0	-0.1	-0.1	-0.4	0.7	1.3	0.9	1.1	
		MAX OBS TIME ADJUSTMENT	0.5	0.6	0.6	0.6	0.5	0.3	0.1	0.0	0.0	0.1	-0.1	0.2	
137	VELVA 3 NE	HIGHEST MEAN	22.1	28.1	36.3	49.8	64.6	74.6	73.6	73.9	62.7	48.2	35.8	27.2	74.6
		MEDIAN	6.2	14.7	25.5	41.1	55.3	64.5	69.9	67.2	55.7	43.7	25.7	11.5	40.7
		LOWEST MEAN	-9.7	-2.2	17.4	31.9	49.9	58.5	61.3	61.5	50.0	38.5	12.6	-3.2	-9.7
		HIGHEST MEAN YEAR	1990	1998	1986	1987	1977	1988	1974	1983	1998	1973	1999	1997	1988
		LOWEST MEAN YEAR	1982	1979	1996	1979	1979	1993	1993	1985	1984	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.1	0.0	-0.7	-0.6	-0.7	-0.4	-0.6	0.4	1.1	1.2	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.1	0.0	0.4	
139	WAHPETON 3 N	HIGHEST MEAN	23.8	29.1	38.5	53.5	67.4	75.6	77.0	76.7	66.6	52.7	39.4	25.1	77.0
		MEDIAN	9.1	13.8	28.6	45.0	59.6	67.6	71.7	70.4	59.8	46.9	28.0	13.7	43.3
		LOWEST MEAN	-4.7	0.5	20.1	37.1	51.9	62.3	64.8	64.5	55.7	43.0	16.9	-0.4	-4.7
		HIGHEST MEAN YEAR	1990	1987	2000	1987	1977	1988	1989	1983	1998	1973	1999	1997	1989
		LOWEST MEAN YEAR	1982	1979	1975	1975	1979	1982	1992	1977	1985	1976	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	-1.3	-1.3	-1.1	-1.0	-1.0	-0.7	-0.6	-0.9	-1.1	-1.4	-1.2	-1.5	
		MAX OBS TIME ADJUSTMENT	-1.2	-0.9	-1.3	-1.4	-1.3	-1.0	-0.9	-0.7	-1.4	-1.3	-0.8	-1.4	
141	WASHBURN	HIGHEST MEAN	24.9	30.1	38.4	51.7	65.4	76.0	74.7	75.9	65.0	49.0	39.9	28.0	76.0
		MEDIAN	8.9	17.2	27.7	43.1	56.0	64.8	70.5	68.9	57.9	45.4	28.0	13.7	42.2
		LOWEST MEAN	-6.9	-0.3	19.4	34.2	50.1	60.0	63.3	63.2	53.4	41.5	15.5	-1.8	-6.9
		HIGHEST MEAN YEAR	1990	1998	1986	1977	1977	1988	1989	1983	1998	1973	1999	1997	1988
		LOWEST MEAN YEAR	1982	1979	1996	1975	1979	1993	1993	1974	1984	1972	1985	1983	1982
		MIN OBS TIME ADJUSTMENT	1.6	2.0	1.1	0.0	-0.7	-0.6	-0.6	-0.4	-0.5	0.4	1.2	1.3	
		MAX OBS TIME ADJUSTMENT	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.1	0.0	0.4	

