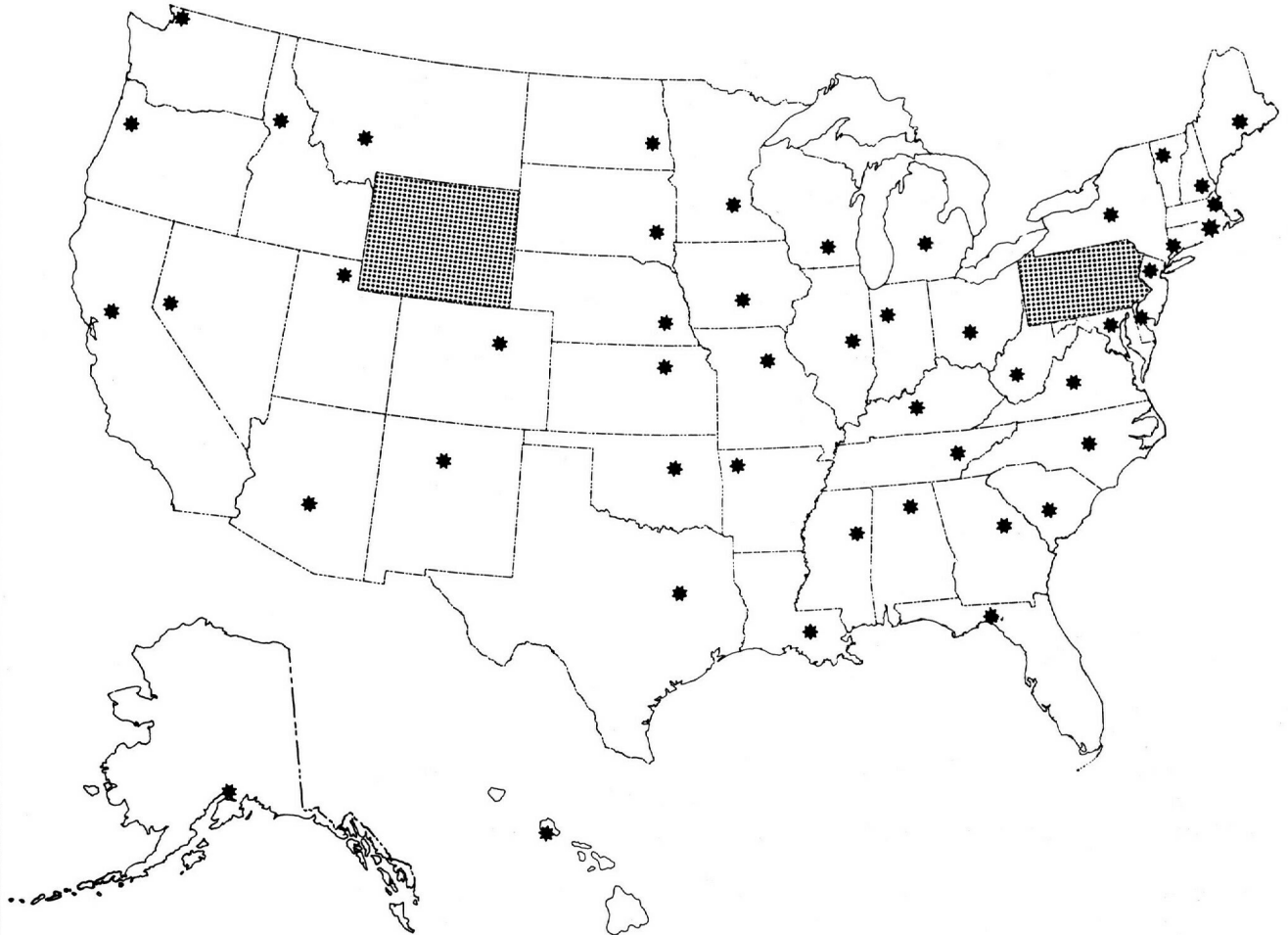


U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER

THE STATE CLIMATOLOGIST

IN COOPERATION WITH THE
AMERICAN ASSOCIATION OF STATE CLIMATOLOGISTS



* SC LOCATIONS
[Grid Pattern] NO SC PROGRAM

VOLUME 8 NUMBER 3 JULY 1984
PUBLISHED QUARTERLY AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, N.C.

NCDC BRIEFS

The National Climatic Data Center's Satellite Data Services Division (SDSD) has published, and will make available to all interested users, a copy of the NOAA Polar Orbiter Data Users Guide (POD Guide). The POD Guide contains procedures to order digital satellite data and products from SDSD; a description of the NOAA POD system; orbital and sensor characteristics; and a complete format documentation, calibration, and locational routines.

Inquiries may be made to:

National Climatic Data Center
Satellite Data Services Division
Room 100, World Weather Building
NOAA
Washington, DC 20233

Telephone: (202) 763-8111
(FTS 763-8111)

* * * * *

NEW NCDC PUBLICATION

The National Climatic Data Center (NCDC) has published a new four-part atlas in its Historical Climatology Series (HCS): "Atlas of Monthly and Seasonal Temperature Departures From the Long-Term Mean (1895-1983) for the Contiguous United States - Winter (HCS 3-2); - Spring (HCS 3-3); - Summer (HCS 3-4); - Fall (HCS 3-5)." Each atlas presents maps of standardized departures from long-term statewide average monthly and seasonal temperatures, by year. The departures are shown by shading (see example) for one

of five categories which were quantitatively-defined from normal distributions (which usually well represent monthly and seasonal data). In a normal distribution, each of the two categories MUCH ABOVE NORMAL or MUCH BELOW NORMAL contain 10% of the months (or seasons), each of the two categories ABOVE NORMAL and BELOW NORMAL have 20% of the months (or seasons), and the NORMAL category contains 40% of the months (or seasons). An appendix in each atlas gives the category-related temperatures for each state. The maps in each atlas are arranged by year, and show the degree of unusualness of any year-season over the contiguous United States, the interannual variability of monthly and seasonal temperatures, as well as the variability which can occur between months within a year-season. This information should be useful in climatological research studies, and should be applicable in solving climate-sensitive social/economic problems which often have important commercial consequences.

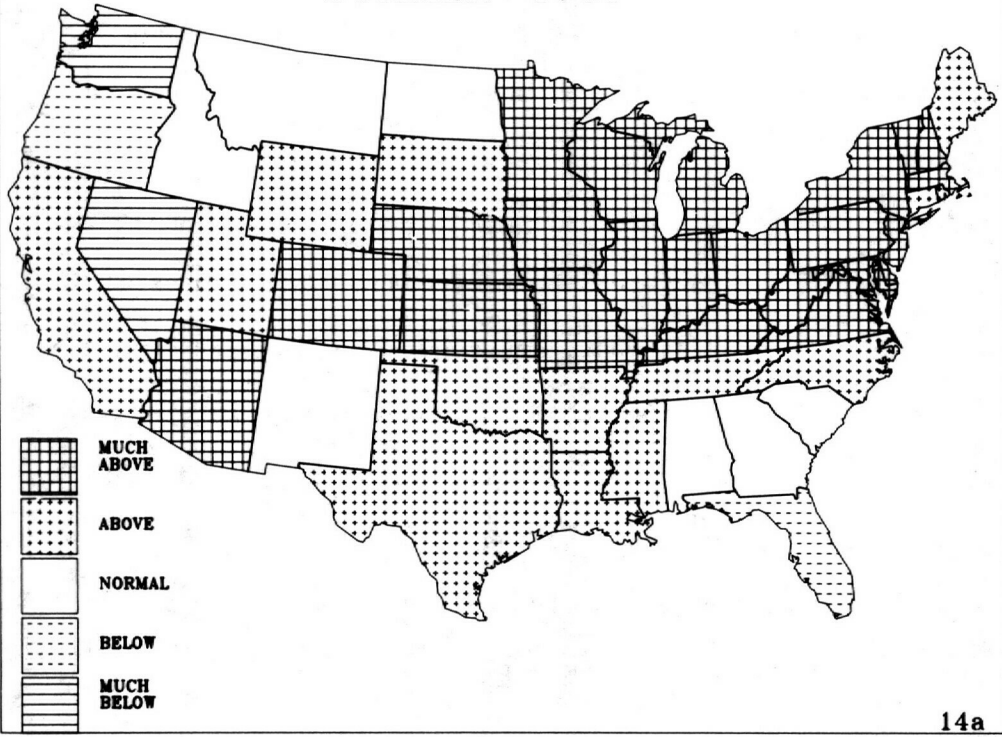
The price of an individual (season) atlas is \$6, and a set of four season atlases is \$20. These publications can be ordered from:

National Climatic Data Center
Federal Building
Asheville, NC 28801-2696

Telephone orders can be placed by calling (704) 259-0682.

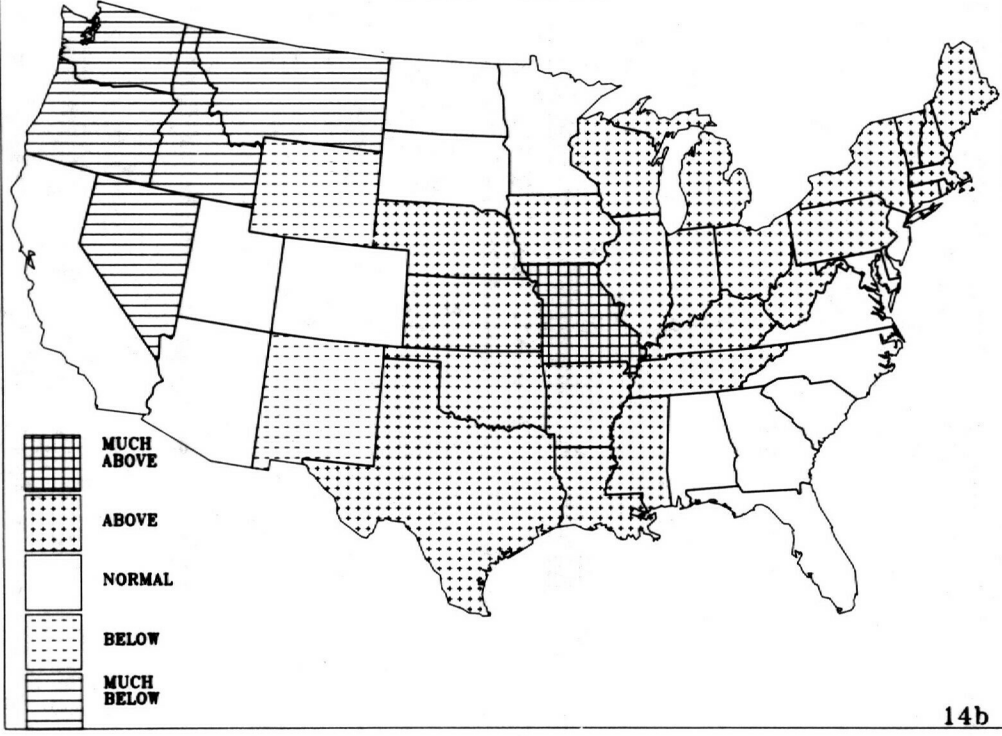
The following several pages are selected examples from two seasons.

SUMMER 1901



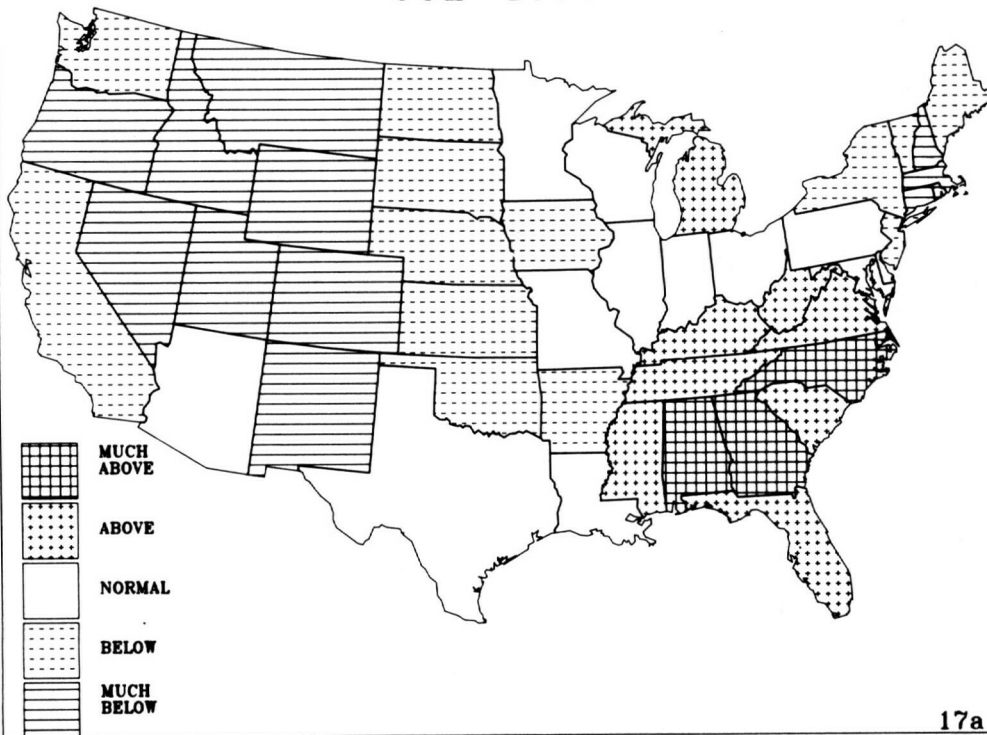
14a

JUN 1901

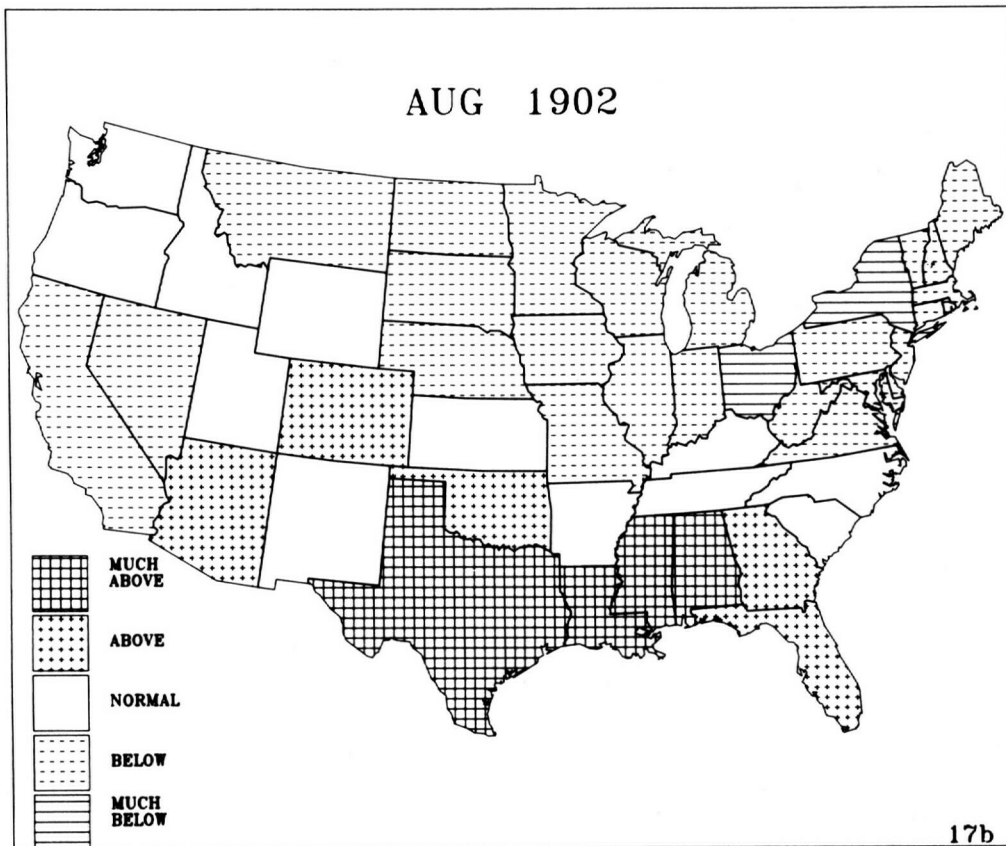


14b

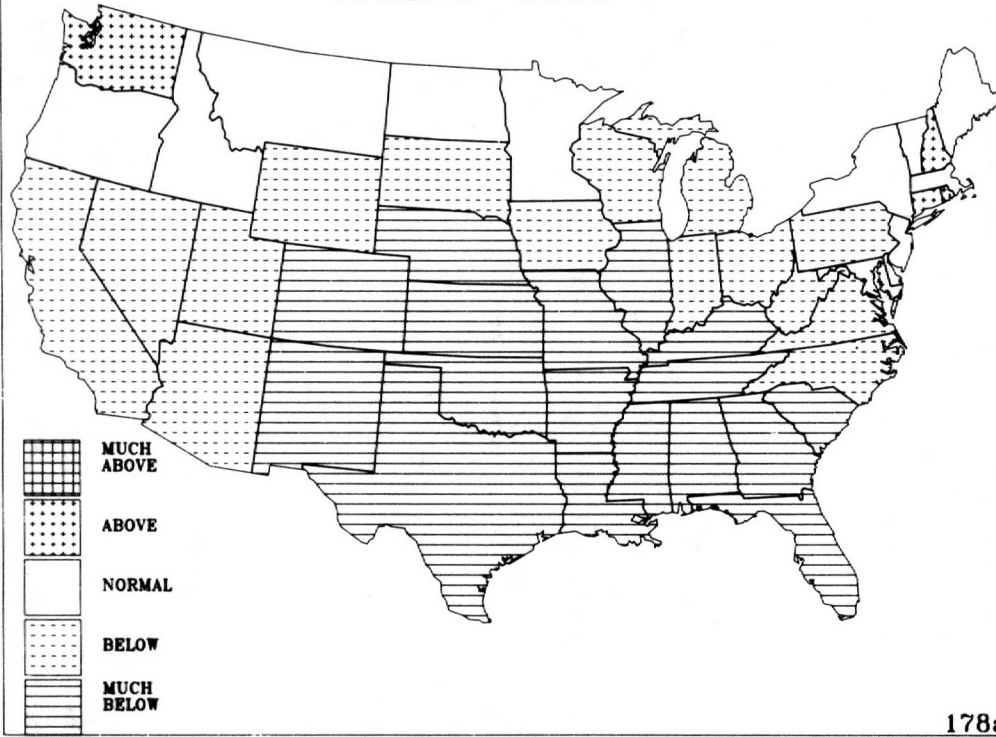
JUL 1902



AUG 1902

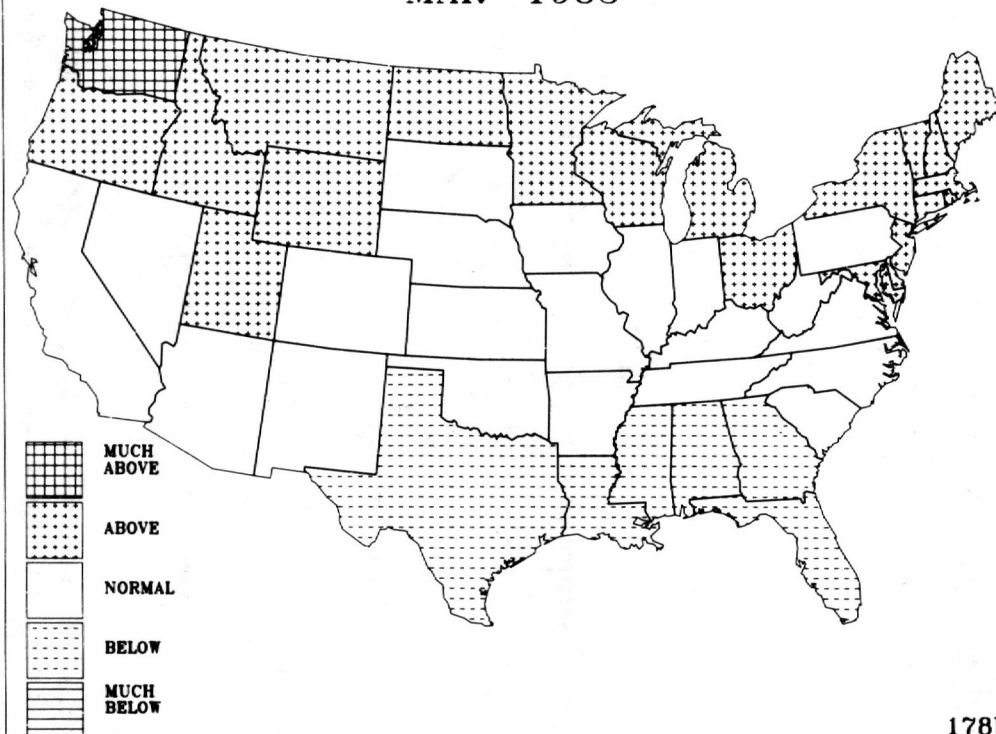


SPRING 1983



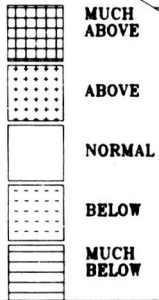
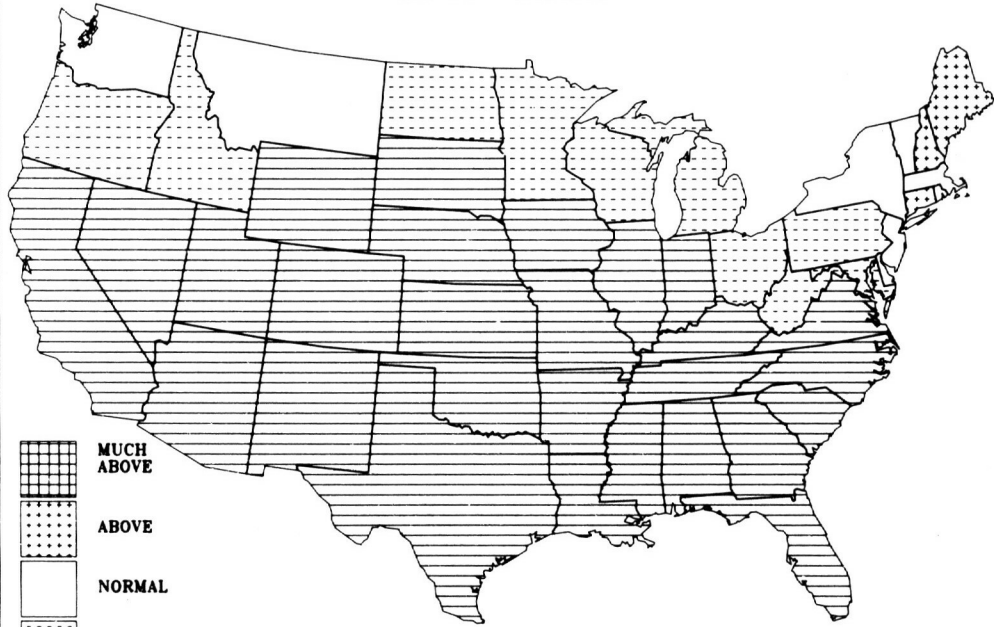
178a

MAR 1983



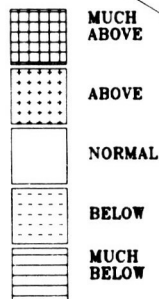
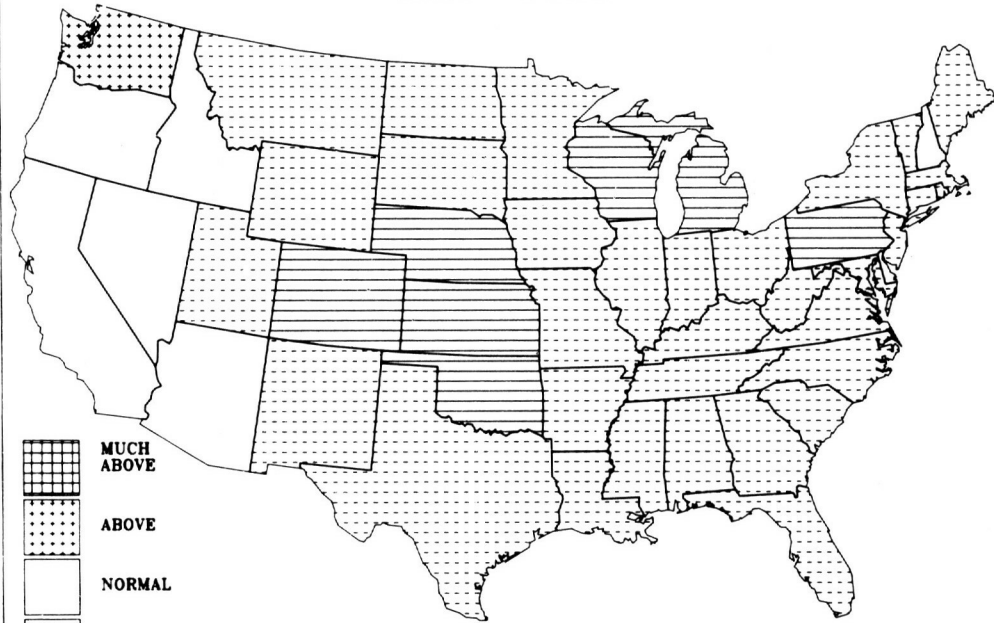
178b

APR 1983



179a

MAY 1983



179b

C L A S S L I M I T S (F)

STATE	CATEGORY	SPRING	MAR	APR	MAY	CATEGORY	STATE
ILLINOIS	MUCH ABOVE	>54.5	>46.8	>56.5	>67.0	MUCH ABOVE	ILLINOIS
	ABOVE	53.2-54.5	43.2-46.8	54.3-56.5	64.7-67.0	ABOVE	
	NORMAL	51.1-53.1	38.3-43.1	51.0-54.2	61.4-64.6	NORMAL	
	BELOW	49.6-51.0	34.5-38.2	48.6-50.9	58.8-61.3	BELOW	
	MUCH BELOW	<49.6	<34.5	<48.6	<58.8	MUCH BELOW	
INDIANA	MUCH ABOVE	>53.9	>46.5	>55.5	>66.3	MUCH ABOVE	INDIANA
	ABOVE	52.6-53.9	43.0-46.5	53.4-55.5	63.9-66.3	ABOVE	
	NORMAL	50.5-52.5	38.1-42.9	50.2-53.3	60.5-63.8	NORMAL	
	BELOW	48.9-50.4	34.4-38.0	47.9-50.1	58.0-60.4	BELOW	
	MUCH BELOW	<48.9	<34.4	<47.9	<58.0	MUCH BELOW	
IOWA	MUCH ABOVE	>50.9	>41.6	>53.4	>64.6	MUCH ABOVE	IOWA
	ABOVE	49.4-50.9	37.7-41.6	50.9-53.4	62.2-64.6	ABOVE	
	NORMAL	47.1-49.3	32.4-37.6	47.4-50.8	58.8-62.1	NORMAL	
	BELOW	45.4-47.0	28.3-32.3	44.7-47.3	56.2-58.7	BELOW	
	MUCH BELOW	<45.4	<28.3	<44.7	<56.2	MUCH BELOW	
KANSAS	MUCH ABOVE	>56.5	>49.6	>58.6	>67.7	MUCH ABOVE	KANSAS
	ABOVE	55.1-56.5	46.0-49.6	56.4-58.6	65.7-67.7	ABOVE	
	NORMAL	53.1-55.0	40.9-45.9	53.2-56.3	62.7-65.6	NORMAL	
	BELOW	51.6-53.0	37.1-40.8	50.8-53.1	60.4-62.6	BELOW	
	MUCH BELOW	<51.6	<37.1	<50.8	<60.4	MUCH BELOW	
KENTUCKY	MUCH ABOVE	>58.4	>52.4	>60.0	>68.9	MUCH ABOVE	KENTUCKY
	ABOVE	57.1-58.4	48.9-52.4	57.9-60.0	66.9-68.9	ABOVE	
	NORMAL	55.1-57.0	44.0-48.8	54.8-57.8	63.9-66.8	NORMAL	
	BELOW	53.6-55.0	40.4-43.9	52.5-54.7	61.6-63.8	BELOW	
	MUCH BELOW	<53.6	<40.4	<52.5	<61.6	MUCH BELOW	
LOUISIANA	MUCH ABOVE	>68.8	>64.6	>69.7	>75.9	MUCH ABOVE	LOUISIANA
	ABOVE	67.7-68.8	61.9-64.6	68.2-69.7	74.7-75.9	ABOVE	
	NORMAL	66.0-67.6	57.9-61.8	65.8-68.1	72.8-74.6	NORMAL	
	BELOW	64.7-65.9	55.0-57.8	64.0-65.7	71.4-72.7	BELOW	
	MUCH BELOW	<64.7	<55.0	<64.0	<71.4	MUCH BELOW	
MAINE	MUCH ABOVE	>42.2	>32.2	>42.8	>54.9	MUCH ABOVE	MAINE
	ABOVE	40.8-42.2	29.5-32.2	41.2-42.8	53.2-54.9	ABOVE	
	NORMAL	38.8-40.7	25.7-29.4	38.7-41.1	50.6-53.1	NORMAL	
	BELOW	37.2-38.7	22.8-25.6	36.8-38.6	48.7-50.5	BELOW	
	MUCH BELOW	<37.2	<22.8	<36.8	<48.7	MUCH BELOW	
MARYLAND	MUCH ABOVE	>55.0	>47.9	>55.9	>65.8	MUCH ABOVE	MARYLAND
	ABOVE	53.8-55.0	45.0-47.9	54.2-55.9	64.2-65.8	ABOVE	
	NORMAL	52.1-53.7	41.0-44.9	51.6-54.1	61.7-64.1	NORMAL	
	BELOW	50.7-52.0	37.9-40.9	49.7-51.5	59.9-61.6	BELOW	
	MUCH BELOW	<50.7	<37.9	<49.7	<59.9	MUCH BELOW	
MASSACHUSETTS	MUCH ABOVE	>48.0	>39.5	>48.5	>59.6	MUCH ABOVE	MASSACHUSETTS
	ABOVE	46.8-48.0	37.0-39.5	46.9-48.5	57.9-59.6	ABOVE	
	NORMAL	44.9-46.7	33.4-36.9	44.5-46.8	55.2-57.8	NORMAL	
	BELOW	43.4-44.8	30.7-33.3	42.7-44.4	53.2-55.1	BELOW	
	MUCH BELOW	<43.4	<30.7	<42.7	<53.2	MUCH BELOW	
MICHIGAN	MUCH ABOVE	>45.4	>35.9	>47.3	>58.9	MUCH ABOVE	MICHIGAN
	ABOVE	44.0-45.4	32.7-35.9	45.0-47.3	56.5-58.9	ABOVE	
	NORMAL	41.7-43.9	28.1-32.6	41.7-44.9	53.1-56.4	NORMAL	
	BELOW	40.1-41.6	24.7-28.0	39.2-41.6	50.5-53.0	BELOW	
	MUCH BELOW	<40.1	<24.7	<39.2	<50.5	MUCH BELOW	
STATE	CATEGORY	SPRING	MAR	APR	MAY	CATEGORY	STATE

C L A S S L I M I T S (F)

DEVELOPMENT OF A U.S. HISTORICAL CLIMATOLOGY NETWORK

The National Climatic Data Center (NCDC) is developing a Historical Climatology Network (HCN) to be used for examination of climate variability and for monitoring the effects of carbon dioxide. The goal is to identify and digitize the station history information and monthly temperature and precipitation data for 1,000 or more long-term stations to afford nationwide distribution with at least two stations in each climatic division.

To qualify as a candidate for the HCN, a station must:

1. Be currently active.
2. Be continuously recording temperature and precipitation for at least 80 years.

NOTE: Stations with less than 80 years will be accepted when we are unable to locate at least two stations in each climatic division having 80 years of record, or more.

3. Have no significant changes in location or height of instruments.

Following is our preliminary list of candidate HCN stations. Please review this list and let us know if you can identify any other stations that generally meet the criteria and for which monthly temperature and precipitation data are available. If possible, please identify the source of data if the data have not been published in some standard source. Please contact Bill Brower at the NCDC if you have any candidate stations.

Mr. Bill Brower
National Climatic Data Center
Federal Building
Asheville, NC 28801-2696
Telephone: (704) 259-0453 (FTS 672-0453)

Thanks for your help.

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

AL BREWTON 3 SSE	1084-07	31-04	87-03	85
AL GREENSBORO	3511-06	32-42	87-35	220
AL SAINT BERNARD	7157-02	34-10	86-49	800
AL SELMA	7366-06	32-25	87-00	147
AL THOMASVILLE	8178-07	31-55	87-44	405
AL UNION SPRINGS 4 S	8438-06	32-06	85-43	460
AZ AJO	0080-07	32-22	112-52	1800
AZ CHILDS	1614-03	34-21	111-42	2650
AZ FORT VALLEY	3160-02	35-16	111-44	7347
AZ MESA EXPERIMENT FARM	5467-06	33-25	111-52	1230
AZ PARKER	6250-05	34-10	114-17	425
AZ ROOSEVELT 1 WNW	7281-04	33-40	111-09	2205
AZ SAN CARLOS RESERVOIR	7480-04	33-10	110-31	2532
AZ TOMBSTONE	8619-07	31-42	110-03	4610
AZ WHITERIVER	9271-02	33-50	109-58	5280
AZ WILLIAMS	9359-02	35-15	112-11	6750
AR CAMDEN 1	1152-08	33-36	92-49	116
AR CORNING	1632-03	36-24	90-35	293
AR DUMAS	2148-09	33-53	91-29	160
AR FAYETTEVILLE EXP STA	2444-01	36-06	94-10	1270
AR HELENA	3242-06	34-32	90-35	195
AR HOT SPRINGS 1 NNE	3466-05	34-31	93-03	680
AR MAMMOTH SPRING	4572-02	36-29	91-32	650
AR MENA	4756-04	34-34	94-16	1130
AR MOUNTAIN HOME 1 NNW	5036-02	36-20	92-23	800
AR OZARK	5508-04	35-29	93-50	396
AR POCAHONTAS 1	5820-03	36-16	90-58	315
AR PRESCOTT	5908-08	33-48	93-23	308
AR WARREN 2 WSW	7582-08	33-36	92-06	210
CA BERKELEY	0693-04	37-52	122-15	345
CA BRAWLEY 2 SW	1048-07	32-57	115-33	-100
CA CHICO UNIVERSITY FARM	1715-02	39-42	121-49	185
CA COLFAX	1912-02	39-06	120-57	2410
CA DAVIS 2 WSW EXP FARM	2294-02	38-32	121-46	60
CA HANFORD 2 S	3747-05	36-18	119-39	240
CA INDEPENDENCE	4232-07	36-48	118-12	3950
CA LEMON COVE	4890-05	36-23	119-02	513
CA LODI	5032-05	38-07	121-17	40
CA MARYSVILLE	5385-02	39-09	121-36	57
CA MOUNT SHASTA WSO CI	5983-02	41-19	122-19	3539
CA NEVADA CITY	6136-02	39-15	121-02	2600
CA ORLAND	6506-02	39-45	122-12	254
CA PASADENA	6719-06	34-09	118-09	864
CA PATALUMA FIRE STN 3	6826-01	38-14	122-38	27
CA REDLANDS	7306-06	34-03	117-11	1318

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

AL CLANTON	1694-03	32-51	86-38	580
AL HIGHLAND HOME	3816-07	31-57	86-19	594
AL SCOTTSBORO	7304-02	34-41	86-03	615
AL TALLADEGA	8024-04	33-26	86-05	555
AL TROY	8323-07	31-47	85-57	498
AL VALLEY HEAD	8469-02	34-34	85-37	1042
AZ BUCKEYE	1026-06	33-22	112-35	870
AZ CLIFTON	1849-07	33-03	109-17	3460
AZ HOLBROOK	4089-02	34-54	110-10	5080
AZ ORACLE 2 SE	6119-06	32-36	110-44	4510
AZ PRESCOTT	6796-03	34-34	112-28	5510
AZ SAINT JOHNS	7435-02	34-31	109-23	5790
AZ SELIGMAN	7716-03	35-19	112-53	5250
AZ TUCSON UNIV OF ARIZONA	8815-07	32-15	110-57	2444
AZ WICKENBURG	9287-06	33-59	112-44	2050
AR BRINKLEY	0936-06	34-53	91-11	200
AR CONWAY	1596-05	35-06	92-27	332
AR DARDANELLE	1838-04	35-14	93-10	370
AR EUREKA SPRINGS 3 WNW	2356-01	36-25	93-47	1420
AR GRAVETTE	2930-01	36-26	94-27	1260
AR HOPE 3 NE	3428-07	33-43	93-33	375
AR JONESBORO 4 N	3734-03	35-53	90-42	390
AR MARSHALL	4666-02	35-55	92-37	1140
AR MOUNT IDA 3 SE	4988-07	34-32	93-36	697
AR NEWPORT	5186-03	35-36	91-17	220
AR PINE BLUFF	5754-09	34-13	92-01	215
AR PORTLAND	5866-09	33-14	91-30	120
AR SUBIACO	6928-04	35-18	93-39	500
CA AVALON PLEASURE PIER	0395-06	33-21	118-19	25
CA BLYTHE	0924-07	33-37	114-36	268
CA CEDARVILLE	1614-03	41-32	120-10	4670
CA CHULA VISTA	1758-06	32-36	117-06	9
CA CUYAMACA	2239-06	32-59	116-35	4640
CA EUREKA WSO CI	2910-01	40-48	124-10	60
CA HEALDSBURG	3875-01	38-37	122-52	102
CA INDIO U S DATE GARDEN	4259-07	33-44	116-15	11
CA LIVERMORE	4997-04	37-40	121-46	480
CA MARICOPA	5338-05	35-05	119-23	675
CA MERCED MUNICIPAL AP	5532-05	37-17	120-31	153
CA NEEDLES FAA AIRPORT	6118-07	34-46	114-37	914
CA OJAI	6399-06	34-27	119-14	750
CA ORLEANS	6508-01	41-18	123-32	410
CA PASO ROBLES	6730-04	35-38	120-41	700
CA QUINCY	7195-02	39-55	120-57	3408
CA SANTA BARBARA	7902-06	34-25	119-41	5

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

CA SANTA CRUZ	7916-04	36-59	122-01	130
CA SIERRAVILLE R S	8218-02	39-35	120-22	4975
CA TAHOE CITY	8758-03	39-10	120-08	6230
CA TIGER CREEK P H	8928-05	38-27	120-29	2355
CA UKIAH	9122-01	39-09	123-12	623
CA WASCO	9452-05	35-36	119-20	333
CA WILLOWS 6 W	9699-02	39-31	122-18	233
CA YREKA	9866-01	41-43	122-38	2625
CO BUENA VISTA	1071-01	38-51	106-08	7930
CO CHEESMAN	1528-04	39-13	105-17	6875
CO COLLBRAN	1741-02	39-15	107-58	5980
CO DILLON 1 E	2281-02	39-38	106-02	9065
CO EADS	2446-01	38-29	102-47	4213
CO FORT MORGAN	3038-04	40-15	103-48	4321
CO GUNNISON	3662-02	38-32	106-56	7664
CO LAS ANIMAS	4834-01	38-04	103-13	3890
CO MONTROSE 2	5722-02	38-29	107-53	5785
CO STEAMBOAT SPRINGS	7936-02	40-30	106-50	6770
CO TRINIDAD	8429-01	37-10	104-29	6030
CT FALLS VILLAGE	2658-01	41-57	73-22	550
CT STORRS	8138-02	41-48	72-15	650
DE DOVER	2730-02	39-09	75-31	30
DE NEWARK UNIVERSITY FARM	6410-01	39-40	75-44	90
FL APALACHICOLA WSO AP	0211-01	29-44	85-02	19
FL BARTOW	0478-04	27-54	81-51	120
FL DE FUNIAK SPRINGS	2220-01	30-44	86-07	230
FL FEDERAL POINT	2915-02	29-45	81-32	5
FL FORT LAUDERDALE	3163-06	26-06	80-12	16
FL FORT PIERCE	3207-04	27-28	80-21	25
FL INVERNESS	4289-03	28-50	82-20	50
FL MADISON 4 N	5275-02	30-32	83-26	180
FL SAINT LEO	7851-03	28-20	82-16	190
FL TARPON SPGS SEWAGE PL	8824-04	28-09	82-45	8
GA ALBANY 3 SE	0140-07	31-32	84-08	180
GA BRUNSWICK	1340-09	31-10	81-30	13
GA COVINGTON	2318-05	33-36	83-52	770
GA EASTMAN 1 W	2966-05	32-12	83-12	400
GA GAINESVILLE	3621-02	34-18	83-51	1170
GA HAWKINSVILLE	4170-05	32-17	83-28	245
GA MILLEDGEVILLE 3 SW	5874-05	33-05	83-15	420
GA NEWNAN 4 N E	6335-04	33-26	83-26	920
GA ROME	7600-01	34-15	85-09	620
GA TIFTON EXP STATION	8703-08	31-29	83-32	371
GA WARRENTON	9141-06	33-25	82-40	510
GA WAYCROSS 4 NE	9186-09	31-15	82-19	145

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

CA SANTA ROSA	7965-01	38-27	122-42	167
CA SUSANVILLE AIRPORT	8702-03	40-22	120-34	4146
CA TEJON RANCHO	8839-05	35-02	118-45	1425
CA TUSTIN IRVINE RANCH	9087-06	33-44	117-47	118
CA VACAVILLE	9200-02	38-22	121-57	105
CA WEAVERVILLE RANGER STN	9490-01	40-44	122-56	2050
CA YOSEMITE PARK HEADQTRS	9855-05	37-45	119-35	3966
CO BOULDER	0848-04	40-02	105-16	5375
CO CANON CITY	1294-01	38-26	105-15	5335
CO CHEYENNE WELLS	1564-03	38-49	102-21	4250
CO DEL NORTE	2184-05	37-40	106-21	7884
CO DURANGO	2432-02	37-17	107-53	6600
CO FORT COLLINS	3005-04	40-35	105-05	5004
CO FRUITA 1 W	3146-02	39-10	108-45	4480
CO HOLLY	4076-01	38-03	102-07	3390
CO MANASSA	5322-05	37-10	105-56	7687
CO SAGUACHE	7337-05	38-05	106-08	7692
CO STERLING	7950-04	40-37	103-13	3938
CO WRAY 1 E	9243-03	40-05	102-11	3520
CT MIDDLETOWN 4 W	4767-02	41-33	72-43	369
DE BRIDGEVILLE 1 NW	1330-02	38-45	75-37	50
DE MILFORD 2 WSW	5915-02	38-54	75-28	30
DE WILMGTN PORTER RESVR	9605-01	39-46	75-32	274
FL ARCADIA	0228-04	27-14	81-51	63
FL BELLE GLADE EXP STN	0611-05	26-40	80-38	16
FL EVERGLADES	2850-05	25-51	81-23	5
FL FERNANDINA BEACH	2944-02	30-39	81-28	13
FL FORT MYERS FAA AP	3186-05	26-35	81-52	15
FL HOMESTEAD EXP STN	4091-06	25-30	80-30	11
FL LAKE CITY 2 E	4731-02	30-11	82-36	195
FL Ocala	6414-03	29-12	82-05	75
FL TALLAHASSEE WSO AP	8758-01	30-23	84-22	55
FL TITUSVILLE	8942-03	28-37	80-49	5
GA AMERICUS 3 SW	0253-07	32-03	84-15	490
GA CLAYTON 1 SSW	1982-03	34-52	83-24	1880
GA DAHLONEGA	2475-02	34-32	83-59	1430
GA FORT GAINES	3516-07	31-36	85-03	340
GA GLENNVILLE	3754-09	31-56	81-55	170
GA LOUISVILLE 3 S	5314-06	32-56	82-24	325
GA MILLEN 4 N	5882-06	32-52	81-58	195
GA QUITMAN 2 NW	7276-08	30-48	83-35	185
GA TALBOTTON 1 NE	8535-04	32-42	84-32	710
GA TOCCOA	8740-03	34-35	83-19	1019
GA WASHINGTON 2 ESE	9157-03	33-43	82-43	620
GA WEST POINT	9291-04	32-52	85-11	575

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

ID ABERDEEN EXP STATION	0010-09	42-57	112-50	4405
ID ASHTON	0470-09	44-04	111-27	5260
ID CALDWELL	1380-05	43-40	116-41	2370
ID CHALLIS	1663-08	44-30	114-14	5175
ID GRACE	3732-10	42-35	111-44	5550
ID HAZELTON	4140-07	42-36	114-08	4060
ID JEROME	4670-07	42-44	114-31	3740
ID KOOSKIA	5011-03	46-09	115-59	1280
ID MACKAY RANGER STATION	5462-08	43-55	113-37	5897
ID NEW MEADOWS RANGER STN	6388-04	44-58	116-17	3870
ID OROFINO	6681-03	46-29	116-16	1320
ID PORTHILL	7264-01	49-00	116-30	1775
ID SAINT MARIES	8062-01	47-19	116-34	2220
IL ANNA 1 E	0187-08	37-28	89-14	640
IL CARLINVILLE	1280-06	39-17	89-52	625
IL DANVILLE	2140-05	40-08	87-39	558
IL DIXON 1 NW	2348-01	41-50	89-31	700
IL GALVA	3335-01	41-10	90-03	855
IL HARRISBURG	3879-09	37-45	88-33	380
IL HOOPESTON 1 NE	4198-05	40-28	87-40	710
IL LINCOLN	5079-04	40-09	89-23	590
IL MC LEANSBORO 2 ENE	5515-09	38-06	88-30	480
IL MONMOUTH	5768-03	40-55	90-38	770
IL MT VERNON 3 NE	5943-09	38-21	88-52	490
IL OTTAWA 4 SW	6526-02	41-20	88-55	525
IL PANA	6579-06	39-23	89-05	696
IL PONTIAC	6910-05	40-53	88-38	650
IL SPARTA	8147-08	38-08	89-43	520
IL WALNUT	8916-01	41-33	89-36	690
IL WINDSOR	9354-07	39-26	88-36	685
IN ANGOLA	0200-03	41-38	84-59	1010
IN BLOOMINGTON INDIANA U	0784-08	39-10	86-31	825
IN CAMBRIDGE CITY	1229-06	39-49	85-10	950
IN CRAWFORDSVILLE PWR PL	1882-04	40-03	86-54	679
IN GOSHEN COLLEGE	3418-02	41-34	85-50	805
IN GREENFIELD	3527-05	39-47	85-45	865
IN HUNTINGTON	4176-03	40-53	85-30	802
IN MADISON SEWAGE PLANT	5237-09	38-44	85-24	455
IN MOUNT VERNON	6001-07	37-57	87-53	415
IN PAOLI	6705-08	38-32	86-29	640
IN RENSSELAER	7298-01	40-56	87-09	650
IN ROCKVILLE	7522-04	39-46	87-14	690
IN SALEM	7755-08	38-37	86-05	800
IN SEYMOUR 2 N	7935-08	38-59	85-54	573
IN VEVAY	9080-09	38-45	85-04	470

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

ID ARROWROCK DAM	0448-04	43-36	115-55	3275
ID BLACKFOOT 2 SSW	0915-09	43-10	112-21	4487
ID CAMBRIDGE	1408-05	44-34	116-41	2650
ID GLENNS FERRY	3631-05	42-56	115-19	2510
ID HAILEY AIRPORT	3942-04	43-31	114-18	5328
ID HOLLISTER	4295-06	42-21	114-34	4525
ID KELLOGG	4831-04	47-33	116-10	2320
ID LIFTON PUMPING STATION	5275-10	42-07	111-18	5926
ID MOSCOW-UNIV OF IDAHO	6152-02	46-44	116-58	2660
ID OAKLEY	6542-10	42-14	113-53	4600
ID PAYETTE	6891-05	44-05	116-56	2150
ID PRIEST RIVER EXP STN	7386-01	48-21	116-50	2380
ID WALLACE WOODLAND PARK	9498-04	47-30	115-53	2940
IL AURORA	0338-02	41-45	88-21	644
IL CHARLESTON	1436-07	39-29	88-10	680
IL DECATUR	2193-04	39-50	89-01	620
IL DU QUOIN 4 SE	2483-08	38-00	89-15	420
IL GRIGGSVILLE	3717-06	39-43	90-44	700
IL HILLSBORO	4108-06	39-09	89-29	630
IL LA HARPE	4823-03	40-35	90-58	700
IL MARENGO	5326-02	42-15	88-36	820
IL MINONK	5712-04	40-54	89-03	750
IL MORRISON	5833-01	41-49	89-58	603
IL OLNEY 2 S	6446-07	38-42	88-04	480
IL PALESTINE	6558-07	39-00	87-37	515
IL PARIS WATERWORKS	6610-07	39-38	87-42	680
IL RUSHVILLE	7551-03	40-07	90-35	675
IL URBANA	8740-05	40-06	88-14	743
IL WHITE HALL 1 E	9241-06	39-26	90-23	578
IN ANDERSON SEWAGE PLANT	0177-05	40-06	85-43	847
IN BERNE	0676-03	40-40	84-57	860
IN BROOKVILLE	1030-09	39-25	85-00	670
IN COLUMBUS	1747-05	39-12	85-55	621
IN DELPHI 3 NNE	2149-02	40-37	86-40	560
IN GREENCASTLE 1 E	3513-04	39-39	86-51	835
IN HOBART	4008-01	41-32	87-15	600
IN LA PORTE	4837-01	41-36	86-43	810
IN MARION 2 N	5337-05	40-34	85-40	790
IN OOLITIC PURDUE EXP FRM	6580-08	38-53	86-33	650
IN PRINCETON 1 W	7125-07	38-21	87-35	480
IN ROCHESTER	7482-02	41-04	86-13	770
IN RUSHVILLE SEWAGE PLANT	7646-05	39-36	85-27	955
IN SCOTTSBURG	7875-09	38-42	85-46	550
IN SHOALS HIWAY 50 BRIDGE	8036-07	38-40	86-48	550
IN VINCENNES 1 NW	9112-07	38-41	87-32	420

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB					
STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	
IN WASHINGTON	9253-07	38-39	87-10	485	
IN WHITESTOWN	9557-05	40-00	86-20	819	
IA ALBIA	0112-08	41-02	92-48	940	
IA ATLANTIC 1 NE	0364-07	41-25	95-00	1195	
IA BOONE	0807-05	42-03	93-53	1041	
IA CHARITON	1394-08	41-00	93-19	960	
IA CLARINDA	1533-07	40-44	95-01	1090	
IA COLUMBUS JCT 2 SSW	1731-09	41-15	91-22	670	
IA ESTHERVILLE 2 N	2724-01	43-25	94-50	1302	
IA FAYETTE	2864-03	42-50	91-48	1010	
IA FORT DODGE	2999-05	42-30	94-12	1115	
IA GUTHRIE CENTER	3509-04	41-41	94-30	1186	
IA INDEPENDENCE 2 SW	4052-03	42-27	91-55	940	
IA IOWA CITY	4101-06	41-39	91-32	640	
IA KEOSAUQUA	4389-09	40-44	91-58	625	
IA LOGAN	4894-04	41-38	95-48	1052	
IA MOUNT AYR	5769-08	40-42	94-15	1200	
IA NEW HAMPTON	5952-03	43-03	92-19	1160	
IA ONAWA	6243-04	42-01	96-06	1060	
IA OSKALOOSA	6327-09	41-19	92-39	830	
IA ROCKWELL CITY	7161-04	42-24	94-37	1210	
IA STORM LAKE 2 E	7979-01	42-38	95-11	1425	
IA WASHINGTON	8688-09	41-17	91-41	756	
KS ASHLAND	0365-07	37-12	99-46	1970	
KS BELOIT	0693-02	39-29	98-06	1462	
KS CENTRALIA	1408-03	39-43	96-07	1315	
KS CLAY CENTER	1559-02	39-23	97-07	1215	
KS COLUMBUS 1 SW	1740-09	37-10	94-51	900	
KS EL DORADO	2401-09	37-49	96-50	1340	
KS ESKRIDGE	2602-06	38-52	96-06	1417	
KS FREDONIA 1 E	2894-09	37-32	95-48	925	
KS HAYS 1 S	3527-05	38-52	99-20	2010	
KS HORTON	3810-03	39-40	95-31	1029	
KS INDEPENDENCE	3954-09	37-15	95-42	780	
KS LAKIN	4464-07	37-56	101-15	2998	
KS LAWRENCE	4559-06	38-58	95-16	1000	
KS LEOTI	4665-04	38-29	101-19	3280	
KS LINCOLN 1 ESE	4712-05	39-02	98-07	1380	
KS MC PHERSON 2 S	5152-05	38-20	97-40	1495	
KS MINNEAPOLIS	5363-02	39-08	97-43	1300	
KS NORTON 9 SSE	5856-01	39-42	99-50	2360	
KS OLATHE 3 E	5972-06	38-53	94-46	1055	
KS PHILLIPSBURG 1 SSE	6374-02	39-44	99-19	1907	
KS SAINT FRANCIS	7093-01	39-46	101-48	3300	
KS SEDAN	7305-09	37-07	96-10	820	

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB				
STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT
IN WHEATFIELD 2 NNW	9511-01	41-14	87-04	650
IN WINAMAC 5 SW	9670-01	41-00	86-39	700
IA ALGONA 3 W	0133-02	43-04	94-18	1230
IA BELLE PLAINE	0600-06	41-53	92-16	810
IA BRITT	0923-02	43-04	93-49	1234
IA CHARLES CITY	1402-02	43-03	92-40	1013
IA CLINTON 1	1635-06	41-48	90-16	585
IA CORYDON	1848-08	40-45	93-19	1080
IA FAIRFIELD	2789-09	41-02	91-57	740
IA FOREST CITY	2977-02	43-16	93-39	1282
IA GLENWOOD	3290-07	41-02	95-45	988
IA HARLAN	3632-04	41-39	95-19	1160
IA INDIANOLA 2 SSW	4063-08	41-21	93-34	840
IA IOWA FALLS	4142-05	42-32	93-16	1170
IA LE MARS	4735-01	42-48	96-10	1185
IA MASON CITY	5230-02	43-09	93-12	1130
IA MOUNT PLEASANT	5796-09	40-57	91-33	736
IA NORTHWOOD	6103-02	43-27	93-13	1210
IA OSAGE	6305-02	43-17	92-48	1170
IA ROCK RAPIDS	7147-01	43-26	96-10	1350
IA SIGOURNEY	7678-09	41-20	92-12	795
IA TOLEDO	8296-05	41-59	92-35	890
KS ANTHONY 2 W	0264-08	37-09	98-05	1340
KS ATCHISON	0405-03	39-34	95-07	945
KS BISON	0865-05	38-31	99-12	2010
KS CIMARRON	1522-07	37-48	100-21	2695
KS COLDWATER	1704-08	37-16	99-20	2083
KS COTTONWOOD FALLS	1858-06	38-22	96-33	1225
KS ELLSWORTH	2459-05	38-43	98-14	1530
KS FORT SCOTT	2835-09	37-51	94-42	845
KS GREENSBURG	3239-08	37-37	99-18	2230
KS HEALY	3554-04	38-36	100-37	2850
KS HOXIE	3837-01	39-21	100-27	2690
KS JETMORE	4081-07	38-05	99-54	2270
KS LARNED	4530-08	38-11	99-06	2000
KS LEAVENWORTH 4 SSE	4588-03	39-16	94-53	860
KS LIBERAL	4695-07	37-03	100-55	2834
KS MANHATTAN	4972-03	39-12	96-35	1065
KS MEDICINE LODGE 7 N	5173-08	37-23	98-36	1635
KS NEWTON 2 SW	5744-08	38-02	97-23	1447
KS OBERLIN	5906-01	39-50	100-32	2595
KS OTTAWA	6128-06	38-37	95-17	900
KS PLAINVILLE	6435-02	39-14	99-18	2145
KS SCOTT CITY	7271-04	38-29	100-54	2970
KS TRIBUNE 1 W	8235-04	38-28	101-46	3636

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

KS ULYSSES 1 SE	8287-07	37-34	101-21	3025
KS WAMEGO 5 NW	8563-03	39-16	96-22	1024
KS WINFIELD NO 1	8964-09	37-14	96-59	1140
KY ASHLAND	0254-04	38-27	82-37	555
KY BOWLING GREEN FAA AP	0909-02	36-58	86-25	547
KY FARMERS 2 S	2791-03	38-07	83-33	680
KY GREENSBURG	3430-02	37-15	85-30	590
KY HOPKINSVILLE	3994-01	36-51	87-30	540
KY MAYSVILLE SEWAGE PLANT	5243-03	38-41	83-47	515
KY OWENSBORO 3 W	6091-01	37-46	87-09	405
KY SHELBYVILLE 1 E	7324-03	38-12	85-12	730
KY WILLIAMSTOWN 3 NW	8714-03	38-39	84-37	440
LA AMITE	0205-06	30-43	90-30	180
LA BATON ROUGE WSO AP	0549-06	30-32	91-08	64
LA CALHOUN RESEARCH STA	1411-02	32-31	92-20	180
LA DONALDSONVILLE	2534-09	30-07	90-59	40
LA HAMMOND 3 NW	4034-06	30-32	90-29	45
LA JENNINGS	4700-07	30-12	92-40	25
LA LEESVILLE	5266-04	31-09	93-16	240
LA MINDEN	6244-01	32-35	93-17	185
LA NATCHITOCHE	6582-04	31-46	93-05	130
LA PLAIN DEALING	7344-01	32-54	93-41	290
LA SAINT JOSEPH EXP STN	8163-03	31-57	91-14	78
LA WINNSBORO	9806-03	32-09	91-42	80
ME EASTPORT	2426-03	44-55	67-00	85
ME GARDINER	3046-02	44-13	69-47	140
ME LEWISTON	4566-02	44-06	70-13	180
ME ORONO	6430-02	44-54	68-40	115
ME RIPOGENUS DAM	7174-01	45-53	69-11	965
MD CAMBRIDGE WTR TRMT PL	1385-02	38-34	76-04	5
MD CUMBERLAND 2	2282-07	39-38	78-45	700
MD EASTON POLICE BARRACKS	2700-02	38-45	76-04	40
MD LAUREL 3 W	5111-04	39-06	76-54	400
MD OAKLAND 1 SE	6620-08	39-24	79-24	2420
MD PRINCESS ANNE	7330-01	38-13	75-41	20
MD SOLOMONS	8405-03	38-19	76-27	12
MD WOODSTOCK	9750-06	39-20	76-52	460
MA BLUE HILL WSO	0736-02	42-13	71-07	629
MA CLINTON	1561-02	42-24	71-41	398
MA LAWRENCE	4105-02	42-42	71-10	57
MA PLYMOUTH	6486-03	41-57	70-40	90
MA SPRINGFIELD	8046-02	42-06	72-35	190
MI ADRIAN 2 NNE	0032-10	41-55	84-01	760
MI ALMA	0146-06	43-23	84-40	760
MI ANN ARBOR UNIV OF MICH	0230-10	42-18	83-43	900

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

KS WAKEENEY	8495-04	39-01	99-53	2450
KS WELLINGTON 2 S	8670-08	37-14	97-24	1230
KY ANCHORAGE	0155-02	38-16	85-32	730
KY BEREA COLLEGE	0619-03	37-34	84-18	1070
KY CECILIA 2 SE	1406-02	37-40	85-56	725
KY FRANKFORT LOCK 4	3028-03	38-14	84-52	504
KY GREENVILLE 2 W	3451-01	37-11	87-13	550
KY LEITCHFIELD 2 N	4703-02	37-31	86-18	620
KY MIDDLESBORO	5389-04	36-36	83-44	1175
KY PRINCETON 1 SE	6580-01	37-07	87-52	497
KY WILLIAMSBURG	8709-04	36-44	84-09	1000
LA ALEXANDRIA	0098-05	31-19	92-28	87
LA BASTROP	0537-03	32-47	91-54	140
LA BUNKIE	1287-05	30-57	92-10	80
LA COVINGTON 4 NNW	2151-06	30-32	90-07	40
LA FRANKLIN 3 NW	3313-08	29-49	91-33	12
LA HOUMA	4407-09	29-35	90-44	15
LA LAFAYETTE FAA AP	5026-08	30-12	91-59	38
LA MELVILLE	6117-05	30-41	91-45	30
LA MONROE FAA AP	6303-02	32-31	92-03	78
LA N O ADBON WSFO CI	6664-09	29-55	90-08	6
LA RUSTON-LA TECH UNIV	8067-02	32-31	92-39	275
LA THIBODAUX 3 ESE	9013-09	29-46	90-47	15
ME BAR HARBOR	0371-03	44-23	68-12	30
ME FARMINGTON	2765-02	44-41	70-09	420
ME HOULTON	3897-01	46-08	67-50	410
ME MILLINOCKET	5304-01	45-39	68-42	360
ME PRESQUE ISLE	6937-01	46-39	68-00	599
ME WOODLAND	9891-02	45-09	67-24	140
MD COLLEGE PARK	1995-04	38-59	76-57	90
MD DENTON 2 E	2523-02	38-53	75-48	50
MD GLENN DALE BELL STN	3675-04	38-58	76-48	150
MD MILLINGTON 2 WNW	5985-05	39-16	75-52	30
MD OWINGS FERRY LANDING	6770-03	38-41	76-40	160
MD SALISBURY	8000-01	38-22	75-35	10
MD WESTMINSTER POLICE BRK	9440-06	39-33	76-58	765
MA AMHERST	0120-02	42-23	72-32	150
MA CHESTNUT HILL	1447-02	42-20	71-09	120
MA FRAMINGHAM	2975-02	42-17	71-25	170
MA NEW BEDFORD	5246-03	41-38	70-56	120
MA ROCKPORT 1 ESE	6977-03	42-39	70-36	80
MA TAUNTON	8367-03	41-54	71-04	20
MI ALLEGAN	0128-08	42-31	85-50	670
MI ALPENA WSO AP	0164-04	45-04	83-34	689
MI BIG RAPIDS WATERWORKS	0779-06	43-42	85-29	930

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
 STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

MI CHARLOTTE	1476-09	42-33	84-50	902
MI CHEBOYGAN	1492-04	45-39	84-28	590
MI EAST TAWAS	2423-04	44-17	83-30	586
MI FRANKFORT 2 NE	2984-03	44-39	86-12	865
MI HARBOR BEACH 1 SSE	3585-07	43-50	82-38	600
MI HASTINGS	3661-09	42-39	85-18	780
MI HOUGHTON LAKE 6 WSW	3932-03	44-19	84-53	1135
MI IRONWOOD	4104-01	46-28	90-11	1430
MI KALAMAZOO STATE HOSP	4244-08	42-17	85-36	945
MI MIDLAND	5434-06	43-37	84-13	642
MI MT PLEASANT UNIVERSITY	5662-06	43-35	84-46	796
MI NEWBERRY STATE HOSP	5816-02	46-20	85-30	886
MI PONTIAC STATE HOSPITAL	6658-10	42-39	83-18	982
MI STAMBAUGH 1 S	7812-01	46-04	88-38	1485
MN ADA	0018-01	47-18	96-31	906
MN ALEXANDRIA FAA AP	0112-04	45-52	95-23	1416
MN BIG FALLS	0746-02	48-12	93-48	1220
MN CAMPBELL	1245-04	46-06	96-25	981
MN DETROIT LAKES 1 NNE	2142-01	46-50	95-51	1375
MN FARIBAULT	2721-08	44-18	93-16	940
MN FOSSTON	2916-01	47-34	95-45	1305
MN GRAND MEADOW	3290-09	43-42	92-34	1350
MN HALLOCK	3455-01	48-46	96-57	820
MN LEECH LAKE DAM	4652-02	47-15	94-13	1302
MN MAPLE PLAIN	5136-06	45-00	93-39	970
MN MILAN 1 NW	5400-04	45-08	95-56	1020
MN MORA	5615-06	45-53	93-18	990
MN NEW LONDON	5842-05	45-18	94-56	1240
MN OLIVIA	6152-05	44-47	94-59	1094
MN PINE RIVER DAM	6547-06	46-40	94-07	1250
MN POKEGAMA DAM	6612-02	47-15	93-35	1280
MN ST PETER 2 SW	7405-08	44-18	93-58	850
MN TRACY	8323-07	44-14	95-37	1403
MN VIRGINIA	8543-03	47-30	92-33	1435
MN WASECA EXP STATION	8692-08	44-04	93-31	1153
MN WINNIBIGOSHISH DAM	9059-02	47-26	94-03	1315
MS ABERDEEN	0021-06	33-50	88-33	207
MS BAY SAINT LOUIS	0519-10	30-18	89-20	20
MS BOONEVILLE	0955-03	34-40	88-34	490
MS CANTON	1389-05	32-36	90-02	228
MS COLUMBIA	1865-08	31-15	89-50	155
MS COLUMBUS LUXAPALLILA	1880-06	33-31	88-24	142
MS CRYSTAL SPRINGS 4 NNE	2099-07	32-02	90-19	374
MS GREENVILLE	3605-04	33-23	91-01	132
MS HERNANDO	3975-02	34-50	90-00	363

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
 STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

MI CHATHAM EXP FARM	1484-02	46-21	86-56	875
MI COLDWATER STATE SCHOOL	1675-09	41-57	85-00	984
MI FAYETTE 3 SW	2737-02	45-41	86-42	765
MI GRAYLING	3391-04	44-39	84-42	1140
MI HART	3632-05	43-42	86-22	675
MI HILLSDALE	3823-09	41-56	84-38	1080
MI IRON MOUNTAIN WTR WKS	4090-01	45-50	88-04	1155
MI ISHPEMING	4127-01	46-29	87-39	1436
MI MANISTEE 3 SE	5065-03	44-13	86-17	670
MI MT CLEMENS ANG BASE	5650-10	42-36	82-49	580
MI MUNISING	5690-02	46-24	86-39	620
MI OWOSSO WASTEWATER PL	6300-09	43-01	84-11	738
MI SOUTH HAVEN	7690-08	42-24	86-17	620
MI WEST BRANCH	8800-04	44-16	84-14	910
MN ALBERT LEA	0075-08	43-39	93-21	1220
MN BAUDETTE	0515-02	48-43	94-37	1075
MN CAMBRIDGE ST HOSPITAL	1227-06	45-34	93-14	1000
MN CLOQUET	1630-06	46-42	92-31	1265
MN FAIRMONT	2698-08	43-38	94-28	1187
MN FARMINGTON 3 NW	2737-09	44-40	93-11	980
MN GRAND MARAIS	3282-03	47-44	90-21	612
MN GULL LAKE DAM	3411-02	46-25	94-21	1215
MN ITASCA UNIV OF MINN	4106-01	47-13	95-12	1490
MN LONG PRAIRIE	4861-05	45-59	94-51	1290
MN MILACA 1 ENE	5392-06	45-48	93-40	1094
MN MONTEVIDEO 1 SW	5563-04	44-56	95-45	985
MN MORRIS WC EXP STN	5638-04	45-35	95-53	1140
MN NEW ULM 2 SE	5887-08	44-17	94-25	826
MN PARK RAPIDS	6360-02	46-55	95-04	1434
MN PIPESTONE	6565-07	44-01	96-19	1705
MN ROSEAU 1 E	7087-01	48-51	95-45	1047
MN SANDY LAKE DAM LIBBY	7460-06	46-48	93-19	1234
MN TWO HARBORS	8419-03	47-01	91-40	625
MN WALKER AH GWAH CHING	8618-02	47-04	94-35	1410
MN WINNEBAGO	9046-08	43-46	94-10	1110
MS ZUMBROTA	9249-09	44-18	92-40	985
MS BATESVILLE 2 SW	0488-02	34-18	89-59	215
MS BILOXI CITY	0792-10	30-24	88-54	15
MS BROOKHAVEN CITY	1094-07	31-33	90-27	425
MS CLARKSDALE	1707-01	34-12	90-34	173
MS COLUMBUS	1870-06	33-29	88-25	184
MS CORINTH 5 WSW	1962-03	34-55	88-36	420
MS FOREST 3 S	3107-05	32-19	89-29	480
MS HATTIESBURG	3887-09	31-18	89-17	220
MS HOLLY SPRINGS 4 N	4173-02	34-49	89-26	483

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB					CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB				
STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT
MS KOSCIUSKO	4776-05	33-04	89-36	455	MS LAUREL	4939-09	31-41	89-07	225
MS LOUISVILLE	5247-06	33-08	89-04	581	MS MONTICELLO	5987-08	31-33	90-06	220
MS MOORHEAD	6009-04	33-27	90-31	117	MS NATCHEZ	6177-07	31-33	91-23	195
MS PONTOTOC EXP STN	7111-03	34-09	89-00	405	MS POPLARVILLE EXP STN	7128-10	30-51	89-33	313
MS PORT GIBSON 1 NW	7132-07	31-58	91-00	120	MS ROSEDALE	7582-01	33-51	91-01	150
MS STATE UNIVERSITY	8374-06	33-28	88-48	280	MS UNIVERSITY	9079-02	34-23	89-32	380
MS WATER VALLEY 1 NNE	9400-02	34-10	89-38	380	MS WAYNESBORO 2 W	9439-09	31-41	88-40	197
MS WOODVILLE 4 ESE	9793-07	31-06	91-14	400	MS YAZOO CITY 5 NNE	9860-04	32-54	90-23	107
MO APPLETON CITY	0204-03	38-12	94-02	800	MO ARCADIA	0224-05	37-35	90-37	926
MO BRUNSWICK	1037-01	39-25	93-07	660	MO CARUTHERSVILLE	1364-06	36-12	89-40	280
MO CLINTON	1711-03	38-22	93-46	790	MO CONCEPTION	1822-01	40-15	94-41	1108
MO DONIPHAN	2289-05	36-35	90-49	330	MO HARRISONVILLE	3649-03	38-39	94-20	904
MO JEFFERSON CITY WTR PLT	4271-03	38-35	92-09	670	MO LAMAR	4705-04	37-30	94-16	980
MO LEBANON	4825-04	37-42	92-41	1200	MO LEXINGTON	4904-01	39-11	93-53	836
MO LOCKWOOD	5027-04	37-23	93-57	1078	MO LOUISIANA STARKS NUR	5093-02	39-26	91-04	469
MO MACON	5175-02	39-43	92-28	855	MO MARBLE HILL	5253-05	37-18	89-58	390
MO MEXICO	5541-02	39-11	91-53	775	MO MOUNTAIN GROVE 2 N	5834-04	37-09	92-16	1450
MO NEOSHO	5976-04	36-52	94-22	1011	MO ROLLA UNIV OF MO	7263-05	37-57	91-46	1180
MO STEFFENVILLE	8051-02	39-58	91-53	690	MO TRENTON	8444-01	40-05	93-38	837
MO UNIONVILLE	8523-01	40-29	93-00	1062	MO WARRENSBURG 2 SSE	8712-03	38-44	93-43	840
MO WARRENTON 1 N	8725-02	38-49	91-08	845	MO WARSAW 1	8733-03	38-15	93-22	705
MT AUGUSTA	0364-04	47-29	112-23	4070	MT BIG TIMBER	0780-05	45-50	109-57	4100
MT BOZEMAN MT ST UNIV	1044-02	45-40	111-03	4856	MT CASCADE 5 S	1552-04	47-13	111-43	3390
MT CHINOOK	1722-03	48-35	109-14	2340	MT CROW AGENCY	2112-05	45-36	107-27	3030
MT DILLON WMCE	2409-02	45-12	112-38	5228	MT EKALAKA	2689-07	45-53	104-32	3425
MT ENNIS	2793-02	45-21	111-43	4953	MT FLATWILLOW 4 ENE	3013-04	46-51	108-19	3138
MT FORTINE 1 N	3139-01	48-47	114-54	3000	MT GLENDIVE	3581-06	47-06	104-43	2076
MT HAUGAN 3 E	3984-01	47-23	115-21	3100	MT HEBGEN DAM	4038-02	44-52	111-20	6489
MT HUNTLEY EXP STATION	4345-05	45-55	108-15	2989	MT LIBBY 1 NE RANGER STN	5015-01	48-24	115-32	2080
MT LIVINGSTON	5076-05	45-40	110-33	4490	MT MOCCASIN EXP STATION	5761-04	47-03	109-57	4300
MT NORRIS MADISON P H	6157-02	45-29	111-38	4745	MT PHILIPSBURG RANGER STN	6472-01	46-19	113-18	5270
MT PLEVNA	6601-07	46-25	104-30	2765	MT POPLAR	6660-06	48-07	105-12	1995
MT RED LODGE	6918-05	45-11	109-15	5575	MT SAINT IGNATIUS	7286-01	47-19	114-06	2900
MT SAVAGE	7382-06	47-27	104-21	1985	MT VALIER	8501-03	48-19	112-15	3805
MT VIRGINIA CITY	8597-02	45-18	111-57	5758	NE ALBION	0070-03	41-41	98-00	1760
NE ALLIANCE	0130-01	42-06	102-52	3980	NE ASHLAND 3 NE	0375-06	41-04	96-20	1067
NE ATKINSON	0420-02	42-33	98-58	2125	NE AUBURN 5 ESE	0435-09	40-23	95-45	930
NE BEATRICE	0620-09	40-16	96-45	1300	NE BEAVER CITY	0640-08	40-08	99-50	2160
NE BRIDGEPORT	1145-01	41-40	103-06	3666	NE BROKEN BOW 2 W	1200-05	41-25	99-41	2500
NE CRETE	2020-09	40-37	96-57	1435	NE CURTIS	2100-07	40-38	100-31	2570
NE DAVID CITY	2205-06	41-15	97-08	1615	NE FAIRBURY 2 SSE	2820-09	40-07	97-10	1340
NE FAIRMONT	2840-09	40-38	97-35	1640	NE FRANKLIN	3035-08	40-06	98-58	1855
NE GENEVA	3175-09	40-32	97-36	1630	NE GENOA 2 W	3185-06	41-27	97-46	1590
NE GOTHENBURG	3365-05	40-56	100-10	2565	NE HALSEY 2 W	3540-02	41-54	100-19	2705
NE HARRISON	3615-01	42-41	103-53	4850	NE HARTINGTON	3630-03	42-36	97-16	1370

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

NE HASTINGS	3660-08	40-35	98-21	1925
NE HEBRON	3735-09	40-10	97-35	1480
NE IMPERIAL	4110-07	40-31	101-38	3278
NE LODGEPOLE	4900-01	41-09	102-38	3832
NE MADISON	5080-03	41-50	97-27	1580
NE MERRIMAN	5470-02	42-55	101-41	3250
NE NORTH LOUP	6040-05	41-30	98-46	1960
NE PAWNEE CITY	6570-09	40-06	96-09	1185
NE RED CLOUD	7070-08	40-06	98-31	1720
NE SEWARD	7715-06	40-54	97-05	1480
NE TECUMSEH	8465-09	40-22	96-11	1130
NE WAKEFIELD	8915-03	42-16	96-52	1413
NE YORK	9510-06	40-52	97-36	1610
NV ELKO FAA AP	2573-02	40-50	115-47	5075
NV GOLCONDA	3245-01	40-57	117-29	4392
NV MINA	5168-03	38-23	118-06	4552
NV YERINGTON	9229-01	39-00	119-10	4375
NH BETHLEHEM	0703-01	44-17	71-41	1380
NH FIRST CONN LAKE	2999-01	45-05	71-17	1660
NH KEENE	4399-02	42-55	72-16	480
NJ BELVIDERE	0729-01	40-50	75-05	275
NJ CHARLOTTEBURG RESVOIR	1582-01	41-02	74-26	760
NJ HIGHTSTOWN 2 W	3951-02	40-16	74-34	100
NJ LONG BRANCH OAKHURST	4987-03	40-16	74-00	30
NJ PLAINFIELD	7079-01	40-36	74-24	90
NM AZTEC RUINS NAT MON	0692-01	36-50	108-00	5644
NM CARLSBAD	1469-07	32-25	104-14	3120
NM CHAMA	1664-02	36-55	106-35	7850
NM ELEPHANT BUTTE DAM	2848-05	33-09	107-11	4576
NM FORT BAYARD	3265-04	32-48	108-09	6142
NM GAGE 4 ESE	3368-08	32-13	108-01	4410
NM JORNADA EXP RANGE	4426-08	32-37	106-44	4266
NM MOUNTAIN PARK	5960-06	32-57	105-51	6780
NM OROGRANDE	6435-08	32-23	106-06	4179
NM SAN JON	7867-03	35-07	103-20	4230
NM SOCORRO	8387-05	34-05	106-53	4585
NM TUCUMCARI 4 NE	9156-03	35-12	103-41	4096
NY ADDISON	0023-01	42-06	77-13	980
NY ANGELICA	0183-01	42-18	78-01	1420
NY BATAVIA	0443-09	42-59	78-11	890
NY BROCKPORT 2 NW	0937-09	43-15	77-58	413
NY CARMEL 1 SW	1207-05	41-25	73-42	490
NY COOPERSTOWN	1752-02	42-42	74-55	1200
NY DANNEMORA	1966-07	44-43	73-43	1340
NY FREDONIA	3033-09	42-27	79-18	760

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

NE HAY SPRINGS	3710-01	42-41	102-41	3855
NE HOLDREGE	3910-08	40-26	99-22	2320
NE KIMBALL	4440-01	41-14	103-40	4705
NE LOUP CITY 1 N	4985-05	41-17	98-58	2120
NE MC COOK	5310-07	40-13	100-35	2580
NE MINDEN	5565-08	40-30	98-57	2170
NE OAKDALE	6135-03	42-04	97-57	1720
NE PURDUM	6970-02	42-04	100-15	2690
NE SAINT PAUL	7515-05	41-12	98-27	1796
NE SYRACUSE	8395-09	40-40	96-11	1100
NE TEKAMAH 1 S	8480-03	41-45	96-14	1040
NE WEEPING WATER	9090-06	40-52	96-09	1100
NV BATTLE MOUNTAIN AP	0691-02	40-35	116-54	4539
NV FALLON EXPERIMENT STN	2780-01	39-27	118-47	3965
NV LOVELOCK	4698-01	40-11	118-28	3975
NV SEARCHLIGHT	7369-04	35-28	114-55	3540
NH BERLIN	0690-01	44-27	71-11	930
NH DURHAM	2174-02	43-09	70-57	74
NH HANOVER	3850-02	43-42	72-17	603
NH NASHUA 2 NNW	5712-02	42-47	71-29	130
NJ BOONTON 1 SE	0907-01	40-54	74-24	280
NJ FLEMINGTON	3029-01	40-30	74-52	180
NJ INDIAN MILLS 2 W	4229-02	39-48	74-47	100
NJ MOORESTOWN	5728-02	39-58	74-58	45
NJ TUCKERTON	8899-02	39-36	74-21	20
NM BELL RANCH	0858-03	35-32	104-06	4500
NM CARRIZOZO	1515-05	33-39	105-53	5438
NM CIMARRON 4 SW	1813-02	36-28	104-57	6542
NM ELK 3 E	2865-07	32-56	105-17	5700
NM FORT SUMNER	3294-07	34-28	104-15	4025
NM JEMEZ SPRINGS	4369-02	35-46	106-41	6230
NM LUNA RANGER STATION	5273-04	33-50	108-56	7050
NM MOUNTAINAIR	5965-06	34-32	106-15	6520
NM RED RIVER	7323-02	36-42	105-24	8676
NM SANTA ROSA	8107-07	34-57	104-41	4620
NM SPRINGER	8501-03	36-21	104-35	5878
NM TULAROSA	9165-08	33-05	106-03	4430
NY ALFRED	0085-01	42-15	77-47	1780
NY AUBURN 2 NE	0321-10	42-56	76-32	765
NY BRIDGEHAMPTON	0889-04	40-57	72-18	60
NY CANTON 4 SE	1185-08	44-34	75-07	440
NY CHAZY	1401-07	44-53	73-26	170
NY CORTLAND	1799-02	42-36	76-11	1129
NY ELMIRA 2 SE	2610-01	42-05	76-47	840
NY GLOVERSVILLE	3319-06	43-03	74-20	870

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

NY HEMLOCK	3773-10	42-47	77-37	902
NY ITHACA CORNELL UNIV	4174-10	42-27	76-27	960
NY LITTLE FALLS CITY RES	4791-06	43-04	74-52	900
NY LOCKPORT 2 NE	4844-09	43-11	78-39	520
NY MOHONK LAKE	5426-05	41-46	74-09	1245
NY N Y CENTRAL PK WSO CI	5801-04	40-47	73-58	132
NY OGDENSBURG 4 NE	6164-08	44-44	75-26	280
NY PENN YAN	6510-10	42-40	77-04	720
NY ROCHESTER WSO AP	7167-09	43-07	77-40	547
NY SCHENECTADY	7513-05	42-50	73-55	220
NY WANAKENA RANGER SCHOOL	8944-03	44-09	74-54	1510
NY WEST POINT	9292-05	41-23	73-58	320
NC BANNER ELK	0506-02	36-10	81-52	3750
NC EDENTON	2635-08	36-03	76-37	20
NC FAYETTEVILLE	3017-06	35-04	78-52	96
NC HATTERAS	3897-08	35-13	75-41	5
NC HENDERSONVILLE 1 NE	3976-01	35-20	82-27	2160
NC KINSTON 5 SE	4684-07	35-13	77-32	55
NC LOUISBURG	5123-03	36-06	78-19	260
NC MARION	5340-01	35-41	82-00	1425
NC MONROE 4 SE	5771-05	34-58	80-30	586
NC MORGANTON	5838-01	35-45	81-41	1160
NC NASHVILLE	6044-08	35-58	77-58	205
NC SALISBURY	7615-04	35-41	80-29	700
NC SMITHFIELD	7994-07	35-31	78-21	150
NC STATESVILLE 2 NNE	8292-04	35-49	80-53	950
NC WAYNESVILLE 1 E	9147-01	35-29	82-58	2658
ND CARSON	1370-08	46-25	101-34	2310
ND DICKINSON EXP STATION	2188-07	46-53	102-48	2460
ND FORT YATES	3207-08	46-06	100-38	1653
ND FULLERTON 1 ESE	3287-09	46-09	98-24	1435
ND GRAND FORKS UNIVERSITY	3621-03	47-56	97-05	830
ND HILLSBORO 3 N	4203-06	47-27	97-04	910
ND LANGDON EXP FARM	4958-03	48-45	98-20	1615
ND LISBON	5220-09	46-26	97-40	1089
ND MAYVILLE	5660-06	47-30	97-19	935
ND MOTT	6155-07	46-22	102-18	2530
ND NEW ENGLAND	6315-07	46-33	102-52	2621
ND PETTIBONE	7047-05	47-07	99-32	1850
ND SAN HAVEN	7824-02	48-50	100-02	1920
ND TOWNER 2 NE	8792-02	48-21	100-24	1480
ND VALLEY CITY 3 NNW	8937-06	46-58	98-02	1210
ND WASHBURN	9195-04	47-17	101-02	1790
OH BOWLING GREEN SWG PL	0862-01	41-23	83-37	675
OH CADIZ	1152-07	40-16	81-00	1260

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

NY INDIAN LAKE 2 SW	4102-03	43-45	74-17	1660
NY LAKE PLACID 2 S	4555-03	44-15	73-59	1940
NY LITTLE FALLS MILL ST	4796-06	43-02	74-52	360
NY LOWVILLE	4912-03	43-48	75-30	960
NY MORRISVILLE 3 S	5512-02	42-51	75-39	1390
NY NORWICH	6085-02	42-32	75-32	1020
NY OSWEGO EAST	6314-09	43-28	76-30	350
NY PORT JERVIS	6774-02	41-23	74-41	470
NY SCARSDALE	7497-04	40-59	73-48	199
NY SETAUKET	7633-04	40-58	73-06	40
NY WATERTOWN	9000-09	43-58	75-52	497
NC ALBEMARLE	0090-05	35-22	80-11	610
NC CHAPEL HILL 2 W	1677-03	35-55	79-06	500
NC ELIZABETH CITY	2719-08	36-19	76-12	8
NC GOLDSBORO 1 SSW	3510-07	35-21	78-01	82
NC HENDERSON 2 NNW	3969-03	36-22	78-25	480
NC HIGHLANDS	4055-01	35-03	83-11	3840
NC LENOIR	4938-02	35-55	81-32	1200
NC LUMBERTON 6 NW	5177-06	34-42	79-04	130
NC MARSHALL	5356-01	35-48	82-41	2050
NC MOREHEAD CITY 2 WNW	5830-07	34-44	76-44	10
NC MOUNT AIRY	5890-02	36-31	80-37	1030
NC NEW HOLLAND	6135-07	35-27	76-11	2
NC SLOAN 3 S	7974-06	34-47	77-49	50
NC SOUTHPORT 5 N	8113-06	34-00	78-01	20
NC TARBORO 1 S	8500-08	35-53	77-32	35
ND BOTTINEAU	0941-02	48-50	100-27	1640
ND CROSBY	1871-01	48-54	103-18	1952
ND DUNN CENTER 2 SW	2365-04	47-21	102-39	2232
ND FOXHOLM 7 N	3217-01	48-26	101-33	1675
ND GRAFTON	3594-03	48-25	97-25	827
ND HETTINGER	4178-07	45-59	102-39	2680
ND JAMESTOWN ST HOSPITAL	4418-05	46-53	98-41	1467
ND LINTON	5210-08	46-15	100-14	1690
ND MANDAN EXP STATION	5479-08	46-48	100-54	1750
ND MC CLUSKY	5710-05	47-29	100-28	1943
ND NAPOLEON	6255-09	46-30	99-46	1980
ND PEMBINA	6947-03	48-58	97-14	790
ND RICHARDTON ABBEY	7530-07	46-53	102-19	2470
ND STEELE	8366-05	46-52	99-54	1865
ND TURTLE LAKE	8840-04	47-31	100-53	1890
ND WAHPETON 3 N	9100-09	46-19	96-36	956
ND WILLOW CITY	9445-02	48-39	100-18	1460
OH BUCYRUS	1072-02	40-49	82-58	955
OH CANFIELD 1 S	1245-07	41-01	80-46	1140

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

OH CHIPPEWA LAKE	1541-03	41-04	81-54	1060
OH COLUMBUS VALLEY CROSSI	1783-05	39-54	82-54	750
OH DELAWARE	2119-05	40-17	83-04	860
OH GREENVILLE WATER PLT	3375-04	40-06	84-39	1024
OH HIRAM	3780-03	41-18	81-09	1230
OH KENTON	4189-04	40-39	83-36	995
OH LONDON WATER WORKS	4681-05	39-53	83-27	1020
OH MC CONNELSVILLE LOCK 7	5041-10	39-39	81-51	660
OH MILLPORT 2 NW	5315-07	40-43	80-54	1145
OH NORWALK SEWAGE PLANT	6118-02	41-16	82-37	670
OH PHILO 3 SW	6600-10	39-50	81-55	1020
OH TIFFIN	8313-02	41-07	83-10	760
OH URBANA SEWAGE PLANT	8552-04	40-06	83-47	1000
OH WAUSEON WATER PLANT	8822-01	41-31	84-09	750
OH WILMINGTON 3 N	9219-08	39-29	83-49	1030
OK ADA	0017-08	34-47	96-41	1015
OK ANTLERS	0256-09	34-15	95-38	520
OK BARTLESVILLE 2 W	0548-03	36-45	96-00	715
OK BOISE CITY 2 E	0908-01	36-44	102-29	4145
OK CARNEGIE 2 ENE	1504-07	35-07	98-34	1290
OK CLAREMORE 2 ENE	1828-03	36-19	95-35	588
OK ENID	2912-02	36-25	97-52	1245
OK GEARY	3497-04	35-38	98-19	1595
OK GUTHRIE	3821-05	35-53	97-27	1030
OK HENNESSEY 2 SE	4055-05	36-05	97-53	1150
OK HOLDENVILLE	4235-06	35-05	96-24	860
OK HUGO	4384-09	34-00	95-31	570
OK KENTON	4766-01	36-54	102-58	4350
OK LAWTON	5063-07	34-37	98-27	1150
OK MEEKER 4 W	5779-05	35-30	96-59	925
OK MUSKOGEE	6130-06	35-46	95-20	583
OK NEWKIRK	6278-02	36-54	97-03	1135
OK OKEMAH 4 S	6638-05	35-21	96-19	875
OK PAULS VALLEY 3 WSW	6926-08	34-44	97-16	950
OK PERRY	7012-02	36-17	97-18	1025
OK STILLWATER 2 W	8501-05	36-07	97-05	895
OK WAURIKA	9395-08	34-10	98-00	875
OK WEBBERS FALLS	9445-06	35-31	95-08	480
OR BEND	0694-07	44-04	121-19	3650
OR CONDON	1765-06	45-14	120-11	2830
OR COTTAGE GROVE 1 S	1897-02	43-47	123-04	650
OR FOREST GROVE	2997-02	45-32	123-06	180
OR HEADWORKS PTLD WTR BUR	3770-02	45-27	122-09	748
OR HERMISTON 2 S	3847-06	45-49	119-17	624
OR KLAMATH FALLS 2 SSW	4506-07	42-12	121-47	4098

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

OH CIRCLEVILLE	1592-05	39-37	82-57	670
OH COSHOCTON SEWAGE PLT	1890-06	40-15	81-52	760
OH FINDLAY SEWAGE PLANT	2791-01	41-03	83-40	768
OH HILLSBORO	3758-08	39-12	83-37	1100
OH IRONTON	3971-09	38-32	82-40	555
OH LIMA SEWAGE PLANT	4551-01	40-43	84-08	850
OH MARYSVILLE	4979-05	40-14	83-22	1000
OH MILLERSBURG	5297-06	40-33	81-55	900
OH NAPOLEON	5669-01	41-22	84-09	682
OH OBERLIN	6196-02	41-16	82-13	816
OH PORTSMOUTH	6781-09	38-45	82-53	540
OH UPPER SANDUSKY	8534-02	40-50	83-17	854
OH WARREN 3 S	8769-03	41-12	80-49	900
OH WAVERLY	8830-09	39-07	82-59	560
OH WOOSTER EXP STATION	9312-06	40-47	81-55	1020
OK ALTUS IRRIG RESCH STN	0179-07	34-35	99-20	1380
OK ARDMORE	0292-08	34-12	97-00	860
OK BEAVER	0593-01	36-48	100-32	2475
OK BUFFALO	1243-01	36-50	99-37	1795
OK CHEROKEE POWER PLANT	1724-02	36-46	98-21	1180
OK DURANT USDA	2678-08	34-01	96-23	660
OK ERICK 4 E	2944-04	35-12	99-48	1985
OK GOODWELL RESEARCH STA	3628-01	36-36	101-37	3310
OK HAMMON 1 NNE	3871-04	35-38	99-22	1775
OK HOBART FAA AP	4204-07	35-00	99-03	1552
OK HOOKER	4298-01	36-52	101-13	2995
OK JEFFERSON	4573-02	36-43	97-48	1045
OK KINGFISHER 2 SE	4861-05	35-51	97-54	1100
OK MANGUM RESEARCH STN	5509-07	34-50	99-26	1520
OK MIAMI	5855-03	36-53	94-53	805
OK MUTUAL	6139-02	36-14	99-10	1865
OK OKEENE	6629-04	36-07	98-19	1200
OK OKMULGEE WATER WORKS	6670-06	35-37	96-01	647
OK PAWHUSKA	6935-03	36-40	96-21	835
OK POTEAU	7246-09	35-03	94-38	670
OK TAHLEQUAH	8677-06	35-56	94-58	850
OK WEATHERFORD	9422-04	35-32	98-42	1670
OR ASHLAND	0304-03	42-13	122-43	1750
OR BROOKINGS	1055-01	42-03	124-17	70
OR CORVALLIS STATE UNIV	1862-02	44-38	123-12	225
OR DUFUR	2440-06	45-27	121-08	1330
OR GRANTS PASS	3445-03	42-26	123-19	925
OR HEPPNER	3827-06	45-22	119-33	1885
OR HOOD RIVER EXP STATION	4003-06	45-41	121-31	500
OR LAKEVIEW 2 NNW	4670-07	42-13	120-22	4778

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

OR MC MINNVILLE	5384-02	45-14	123-11	148
OR MORO	5734-06	45-29	120-43	1870
OR PILOT ROCK 1 SE	6634-06	45-29	118-49	1720
OR RIDDLE	7169-03	42-57	123-21	680
OR UNION EXP STA	8746-08	45-13	117-53	2765
OR WALLOWA	8997-08	45-34	117-32	2923
PA CHAMBERSBURG 1 ESE	1354-04	39-56	77-38	640
PA EPHRATA	2662-03	40-10	76-10	510
PA FREELAND	3056-01	41-01	75-54	1900
PA HANOVER	3662-04	39-48	76-59	600
PA MONTROSE	5915-06	41-50	75-52	1560
PA NEWELL	6246-09	40-05	79-54	805
PA RIDGWAY	7477-07	41-25	78-45	1360
PA STATE COLLEGE	8449-07	40-48	77-52	1170
PA TOWANDA 1 ESE	8905-06	41-45	76-25	745
PA WARREN	9298-10	41-51	79-09	1210
PA WEST CHESTER 1 W	9464-03	39-58	75-38	450
RI BLOCK ISLAND WSO AP	0896-01	41-10	71-35	110
SC AIKEN 4 NE	0074-05	33-36	81-41	400
SC BEAUFORT 7 SW	0559-07	32-23	80-46	20
SC CALHOUN FALLS	1277-05	34-05	82-35	530
SC CHARLESTON WSO CI	1549-07	32-47	79-56	10
SC CLEMSON UNIVERSITY	1770-02	34-41	82-49	819
SC CONWAY	1997-04	33-50	79-03	20
SC GEORGETOWN 2 E	3468-04	33-21	79-15	10
SC KERSHAW	4690-03	34-33	80-35	530
SC LAURENS	5017-02	34-30	82-02	589
SC NEWBERRY	6209-05	34-17	81-37	476
SC SANTUCK	7722-02	34-38	81-31	520
SC TILGHMAN FOR NURSERY	8621-06	33-54	80-30	210
SC WINNSBORO	9327-03	34-22	81-05	560
SC YEMASSEE	9469-07	32-41	80-51	25
SD ACADEMY	0043-08	43-28	99-05	1675
SD ARMOUR	0296-09	43-19	98-21	1510
SD BRITTON	1049-03	45-47	97-45	1340
SD CANTON 4 WNW	1392-09	43-18	96-40	1345
SD COTTONWOOD 2 E	1972-05	43-58	101-52	2414
SD EUREKA	2797-02	45-47	99-38	1870
SD FLANDREAU	2984-07	44-03	96-36	1550
SD GANN VALLEY	3217-07	44-02	98-58	1750
SD HOPEWELL 1 SE	3987-06	44-30	100-52	1922
SD HOWARD	4037-07	44-01	97-31	1560
SD LEAD 1 E	4834-04	44-21	103-46	5332
SD MELLETTE	5456-03	45-09	98-30	1290
SD MILBANK 2 SSW	5536-03	45-12	96-38	1156

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

OR MILTON FREEWATER	5593-06	45-57	118-25	970
OR NEWPORT	6032-01	44-35	124-03	143
OR PROSPECT 2 SW	6907-03	42-44	122-31	2482
OR TILLAMOOK 1 W	8494-01	45-27	123-52	10
OR VALE	8797-09	43-59	117-15	2240
PA CARLISLE	1234-04	40-13	77-12	465
PA CORRY	1790-10	41-55	79-38	1440
PA FRANKLIN	3028-10	41-23	79-49	990
PA GREENVILLE 2 NE	3526-10	41-25	80-22	1130
PA JOHNSTOWN	4385-08	40-20	78-55	1214
PA NEW CASTLE 1 N	6233-09	41-01	80-22	825
PA PHOENIXVILLE 1 E	6927-03	40-07	75-30	105
PA SELINGSGROVE 2 S	7931-05	40-46	76-52	420
PA STROUDSBURG	8596-01	41-00	75-11	480
PA UNIONTOWN 1 NE	9050-09	39-55	79-43	956
PA WELLSBORO 3 S	9408-06	41-42	77-16	1860
PA YORK 3 SSW PUMP STN	9933-04	39-55	76-45	390
RI KINGSTON	4266-01	41-29	71-32	100
SC ANDERSON	0165-02	34-32	82-40	800
SC BLACKVILLE 3 W	0764-07	33-22	81-19	324
SC CAMDEN 3 W	1310-03	34-15	80-39	140
SC CHERAW	1588-04	34-42	79-53	140
SC COLUMBIA UNIV OF SC	1944-06	33-59	81-01	242
SC DARBINGTON 1 N	2260-04	34-19	79-53	160
SC GREENWOOD	3754-05	34-13	82-10	550
SC KINGSTREE 1 SE	4753-04	33-39	79-49	58
SC LITTLE MOUNTAIN	5200-05	34-12	81-25	711
SC SALUDA	7631-05	33-59	81-46	480
SC SUMMERVILLE	8426-07	33-00	80-11	60
SC WALHALLA	8887-02	34-45	83-05	980
SC WINTHROP COLLEGE	9350-03	34-56	81-02	690
SD ABERDEEN WSO AP	0020-03	45-27	98-26	1296
SD ALEXANDRIA	0128-09	43-39	97-47	1350
SD BELLE FOURCHE	0559-01	44-40	103-51	3017
SD CAMP CROOK	1294-01	45-33	103-59	3120
SD CLARK	1739-07	44-53	97-44	1780
SD DUPREE	2429-01	45-03	101-36	2365
SD FAULKTON 1 NW	2927-02	45-02	99-08	1565
SD FORESTBURG 3 NE	3029-07	44-02	98-04	1231
SD HIGHMORE 1 W	3832-06	44-31	99-28	1890
SD HOT SPRINGS	4007-04	43-26	103-28	3535
SD KENNEBEC	4516-06	43-55	99-52	1700
SD MARION	5228-09	43-25	97-15	1450
SD MENNO	5481-09	43-14	97-35	1324
SD MITCHELL 2 NE	5671-09	43-43	98-00	1274

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

SD MURDO	5891-06	43-53	100-43	2300
SD PIERRE FAA AP	6597-06	44-23	100-17	1726
SD RAPID CITY	6947-05	44-04	103-16	3370
SD TYNDALL 1 N	8472-09	43-00	97-52	1420
SD WATERTOWN FAA AP	8932-07	44-55	97-09	1746
TN BROWNSVILLE	1145-04	35-35	89-15	330
TN COPPERHILL	2024-01	35-00	84-23	1535
TN CROSSVILLE EXP STN	2202-02	36-01	85-08	1810
TN DOVER 1 W	2589-03	36-29	87-51	475
TN LEWISBURG EXP STN	5187-03	35-27	86-48	787
TN MILAN	6012-04	35-56	88-46	430
TN NEWPORT 1 NW	6534-01	35-59	83-12	1036
TN TULLAHOMA	9155-02	35-21	86-12	1048
TN WAYNESBORO	9502-03	35-18	87-46	750
TX ALICE	0144-09	27-44	98-04	201
TX BEEVILLE 5 NE	0639-07	28-27	97-42	255
TX BOERNE	0902-06	29-48	98-43	1422
TX BROWNWOOD	1138-03	31-43	99-00	1385
TX CORPUS CHRISTI WSO AP	2015-07	27-46	97-30	44
TX CROSBYTON	2121-01	33-39	101-15	3010
TX DILLEY	2458-09	28-40	99-10	582
TX EAGLE PASS	2679-09	28-42	100-29	805
TX ENCINAL	2906-09	28-02	99-22	558
TX FLATONIA	3183-07	29-40	97-07	520
TX GAINESVILLE	3415-03	33-38	97-08	760
TX HALLETTSVILLE 3 S	3873-07	29-24	96-57	261
TX HASKELL	3992-02	33-10	99-44	1605
TX LAMPASAS	5018-06	31-03	98-11	1024
TX LLANO	5272-06	30-45	98-41	1040
TX LULING	5429-07	29-40	97-39	398
TX MEXIA	5869-03	31-41	96-29	535
TX MULESHOE 1	6135-01	34-14	102-45	3760
TX PALESTINE 3 NE	6757-04	31-48	95-36	490
TX PLAINVIEW	7079-01	34-11	101-42	3370
TX RIO GRANDE CITY 3 W	7622-09	26-23	98-52	176
TX SAN MARCOS	7983-07	29-54	97-55	621
TX STRATFORD	8692-01	36-21	102-05	3693
TX TEMPLE	8910-03	31-05	97-22	700
TX VEGA	9330-01	35-15	102-25	4010
TX WEATHERFORD	9532-03	32-46	97-49	1065
UT BLANDING	0738-07	37-37	109-28	6130
UT CORINNE	1731-03	41-35	112-08	4240
UT ELBERTA	2418-03	39-57	111-57	4690
UT FORT DUCHESNE	2996-06	40-17	109-52	5050
UT LAKETOWN	4856-05	41-49	111-19	5980

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

SD OELRICHS	6212-05	43-11	103-14	3350
SD POLLOCK	6712-02	45-54	100-17	1635
SD SPEARFISH	7882-04	44-30	103-52	3640
SD VERMILLION 2 SE	8622-09	42-45	96-55	1190
SD WOOD	9442-08	43-30	100-29	2180
TN CLARKSVILLE SEW PLT	1790-03	36-33	87-22	382
TN COVINGTON 1 W	2108-04	35-34	89-40	310
TN DICKSON	2489-03	36-04	87-23	780
TN JACKSON EXP STN	4561-04	35-37	88-50	400
TN MC MINNVILLE	5882-02	35-41	85-48	940
TN MURFREESBORO 5 N	6371-03	35-55	86-22	550
TN ROGERSVILLE 1 NE	7884-01	36-25	82-59	1355
TN UNION CITY	9219-04	36-25	89-04	335
TX ALBANY	0120-03	32-44	99-17	1420
TX BALLINGER 1 SW	0493-02	31-44	99-58	1575
TX BLANCO	0832-06	30-06	98-25	1370
TX BRENHAM	1048-07	30-09	96-24	353
TX CLARKSVILLE 2 NE	1772-04	33-38	95-02	435
TX CORSICANA	2019-03	32-05	96-28	425
TX DANEVANG 1 W	2266-08	29-03	96-14	70
TX DUBLIN	2598-03	32-06	98-20	1502
TX EL PASO WSO AP	2797-05	31-48	106-24	3918
TX FALFURRIAS	3063-09	27-14	98-08	120
TX FT STOCKTON KFST RADIO	3280-05	30-52	102-54	3000
TX GRAHAM	3668-03	33-06	98-35	1045
TX HARLINGEN	3943-10	26-12	97-40	38
TX HUNTSVILLE	4382-04	30-43	95-33	494
TX LIBERTY	5196-08	30-03	94-48	35
TX LONGVIEW	5341-04	32-28	94-44	330
TX MARSHALL	5618-04	32-32	94-21	352
TX MIAMI	5875-01	35-42	100-38	2780
TX NEW BRAUNFELS	6276-07	29-44	98-07	710
TX PIERCE 1 E	7020-08	29-14	96-11	105
TX QUANAH 5 SE	7336-02	34-15	99-41	1495
TX SAN ANTONIO WSFO	7945-07	29-32	98-28	794
TX SNYDER	8433-02	32-43	100-55	2335
TX SUGAR LAND	8728-08	29-37	95-38	82
TX UVALDE	9265-06	29-13	99-46	910
TX WAXAHACHIE	9522-03	32-24	96-51	628
UT ALTON	0086-04	37-26	112-29	7040
UT BLUFF	0788-07	37-17	109-33	4315
UT DESERET	2101-01	39-17	112-39	4585
UT FILLMORE	2828-04	38-57	112-19	5120
UT HEBER	3809-05	40-30	111-25	5630
UT LEVAN	5065-04	39-33	111-52	5315

CANDIDATE HISTORICAL STATIONS FROM	1983 CLIMAT DATA PUB
STATE & STATION NAME	STN-DIV LAT-N LONG-W ELVFT
UT LOA	5148-04 38-24 111-39 7080
UT MANTI	5402-04 39-15 111-38 5740
UT MODENA	5752-01 37-48 113-55 5480
UT OGDEN PIONEER P H	6404-03 41-15 111-57 4350
UT RIVERDALE	7318-03 41-10 112-00 4400
UT SCIPPIO	7714-04 39-15 112-06 5300
UT SPANISH FORK PWR HOUSE	8119-03 40-05 111-36 4720
UT VERNAL AIRPORT	9111-06 40-27 109-31 5280
UT ZION NATIONAL PARK	9717-02 37-13 112-59 4050
VT CHELSEA	1360-01 43-59 72-27 800
VT ENOSBURG FALLS	2769-01 44-55 72-49 422
VT SAINT JOHNSBURY	7054-01 44-25 72-01 699
VA BURKES GARDEN	1209-06 37-05 81-20 3300
VA COLUMBIA	1929-02 37-46 78-09 300
VA DALE ENTERPRISE	2208-05 38-27 78-56 1400
VA FARMVILLE 2 N	2941-02 37-20 78-23 450
VA HOPEWELL	4101-01 37-18 77-18 40
VA LEXINGTON	4876-05 37-47 79-26 1060
VA MOUNT WEATHER	5851-04 39-04 77-53 1720
VA STAUNTON SEWAGE PLANT	8062-05 38-09 79-02 1385
VA WINCHESTER 3 ESE	9186-04 39-11 78-07 680
WA BELLINGHAM 2 N	0564-03 48-47 122-29 140
WA BREMERTON	0872-03 47-34 122-40 162
WA CEDAR LAKE	1233-05 47-25 121-44 1560
WA COLFAX 1 NW	1586-10 46-53 117-23 1955
WA DAVENPORT	2007-07 47-39 118-09 2460
WA ELLENSBURG	2505-08 46-58 120-33 1480
WA FORKS 1 E	2914-01 47-57 124-22 350
WA KENNEWICK	4154-08 46-13 119-06 390
WA LA CROSSE	4338-10 46-49 117-53 1480
WA LAURIER	4549-09 49-00 118-14 1644
WA LONGVIEW	4769-04 46-09 122-55 12
WA NEWPORT	5844-09 48-11 117-03 2135
WA ODESSA	6039-07 47-20 118-41 1540
WA PALMER 3 ESE	6295-04 47-18 121-51 920
WA PORT ANGELES	6624-02 48-07 123-26 100
WA PUYALLUP 2 W EXP STN	6803-03 47-12 122-20 50
WA REPUBLIC	6974-09 48-39 118-44 2610
WA SEATTLE U OF W	7478-03 47-39 122-17 95
WA SNOQUALMIE FALLS	7773-04 47-33 121-51 440
WA SUNNYSIDE	8207-08 46-19 120-00 747
WA WATERVILLE	9012-07 47-39 120-04 2620
WA WILBUR	9238-07 47-45 118-42 2160
WA WINTHROP 1 WSW	9376-06 48-28 120-11 1755
WV BENS RUN 1 SSE	0687-01 39-28 81-06 644

CANDIDATE HISTORICAL STATIONS FROM	1983 CLIMAT DATA PUB
STATE & STATION NAME	STN-DIV LAT-N LONG-W ELVFT
UT LOGAN UTAH STATE UNIV	5186-03 41-45 111-48 4790
UT MOAB 4 NW	5733-07 38-36 109-36 3965
UT MORGAN	5826-05 41-02 111-41 5060
UT PAROWAN AIRPORT	6686-04 37-51 112-50 5930
UT SAINT GEORGE	7516-02 37-06 113-34 2760
UT SNAKE CREEK P H	7909-05 40-33 111-30 6000
UT TOOELE	8771-03 40-32 112-18 5070
UT WOODRUFF	9595-05 41-32 111-09 6315
VT CAVENDISH	1243-03 43-23 72-36 800
VT CORNWALL	1580-02 43-57 73-13 490
VT RUTLAND	6995-02 43-36 72-58 620
VT WOODSTOCK 2 WSW	9984-03 43-37 72-33 750
VA CHARLOTTESVILLE 2 W	1593-03 38-02 78-31 870
VA CULPEPER	2155-04 38-28 78-00 420
VA DIAMOND SPRINGS	2368-01 36-54 76-12 25
VA FREDERICKSBURG NATL PK	3192-01 38-19 77-27 90
VA HOT SPRINGS	4128-05 38-00 79-50 2238
VA LINCOLN	4909-04 39-07 77-43 500
VA ROCKY MOUNT	7338-03 37-00 79-54 1232
VA WILLIAMSBURG 2 N	9151-01 37-18 76-42 70
VA WOODSTOCK 2 NE	9263-04 38-54 78-28 660
WA BLAINE	0729-03 49-00 122-45 60
WA BUCKLEY 1 NE	0945-04 47-10 122-00 685
WA CLE ELUM	1504-06 47-11 120-57 1930
WA CONCONULLY	1666-07 48-33 119-45 2320
WA DAYTON 1 WSW	2030-10 46-19 118-00 1557
WA EVERETT	2675-03 47-59 122-11 60
WA GRAPEVIEW 3 SW	3284-04 47-18 122-52 30
WA KENT	4169-03 47-24 122-15 30
WA LANDSBURG	4486-04 47-23 121-58 535
WA LEAVENWORTH 3 S	4572-06 47-34 120-40 1128
WA NESPELEM 2 S	5832-07 48-08 118-59 1890
WA OAKVILLE	6011-04 46-50 123-14 80
WA OLGA 2 SE	6096-02 48-37 122-48 80
WA POMEROY	6610-10 46-28 117-37 1810
WA PORT TOWNSEND	6678-02 48-07 122-45 100
WA QUILCENE 2 SW	6846-04 47-49 122-55 123
WA REDZVILLE 1 SSE	7059-08 47-07 118-22 1830
WA SEDRO WOOLLEY	7507-03 48-30 122-14 60
WA STEHEKIN 4 NW	8059-06 48-21 120-43 1270
WA VANCOUVER 4 NNE	8773-04 45-41 122-39 210
WA WENATCHEE	9074-08 47-25 120-19 640
WA WILLAPA HARBOR	9291-01 46-41 123-45 10
WV BECKLEY V A HOSPITAL	0580-04 37-47 81-11 2330
WV BUCKHANNON 2 W	1220-02 39-00 80-16 1445

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

WV CRESTON	2054-01	38-57	81-17	650
WV GARY	3353-05	37-22	81-33	1426
WV LEWISBURG 2 SSW	5224-05	37-46	80-28	2185
WV MARTINSBURG FAA AP	5707-06	39-24	77-59	531
WV PICKENS 1	6991-04	38-40	80-13	2770
WV SPENCER 1 SE	8384-03	38-48	81-21	740
WV WARDENSVILLE R M FARM	9281-06	39-06	78-35	960
WV WHITE SULPHUR SPRINGS	9522-05	37-48	80-18	1920
WV WINFIELD LOCKS	9683-03	38-32	81-55	571
WI ASHLAND EXP FARM	0349-01	46-34	90-58	650
WI BELOIT	0696-08	42-30	89-02	780
WI CRIVITZ HIGH FALLS	1897-03	45-17	88-12	827
WI FOND DU LAC	2839-06	43-48	88-27	760
WI HATFIELD HYDRO PLANT	3471-04	44-24	90-44	953
WI LAKE MILLS	4482-08	43-04	88-55	850
WI LONG LAKE DAM	4829-02	45-54	89-08	1630
WI MARSHFIELD EXP FARM	5120-05	44-39	90-08	1250
WI MINOCQUA DAM	5516-02	45-53	89-44	1589
WI NEW LONDON	5932-05	44-23	88-44	760
WI OSHKOSH	6330-06	44-02	88-33	750
WI PORTAGE	6718-08	43-32	89-26	800
WI PRAIRIE DU SAC 2 N	6838-07	43-19	89-44	780
WI REST LAKE	7092-02	46-08	89-53	1600
WI RIVER FALLS	7226-04	44-52	92-37	900
WI SPOONER EXP FARM	8027-01	45-49	91-53	1100
WI STURGEON BAY	8267-06	44-52	87-20	656
WI WATERTOWN	8919-08	43-11	88-44	820
WI WAUPACA	8951-05	44-21	89-04	840
WI WISCONSIN RAPIDS	9335-05	44-23	89-48	1035
WY BASIN	0540-04	44-23	108-03	3837
WY BUFFALO BILL DAM	1175-04	44-30	109-11	5156
WY COLONY	1905-06	44-56	104-12	3570
WY DUBOIS	2715-09	43-34	109-38	6925
WY ENCAMPMENT 10 ESE	3045-10	41-11	106-37	7387
WY FARSON	3170-03	42-07	109-26	6590
WY GREEN RIVER	4065-03	41-32	109-28	6089
WY LAKE YELLOWSTONE	5345-01	44-33	110-24	7770
WY MIDWEST	6195-05	43-24	106-17	4815
WY NEWCASTLE	6660-07	43-51	104-13	4315
WY PAVILLION	7115-09	43-15	108-41	5440
WY PINEDALE	7260-03	42-52	109-52	7175
WY RIVERTON	7760-09	43-01	108-23	4950
WY SHERIDAN FIELD STN	8160-05	44-50	106-50	3750
WY TORRINGTON EXP FARM	8995-08	42-05	104-13	4098
WY WORLAND	9770-04	44-01	107-58	4060

CANDIDATE HISTORICAL STATIONS FROM 1983 CLIMAT DATA PUB
STATE & STATION NAME STN-DIV LAT-N LONG-W ELVFT

WV FAIRMONT	2920-02	39-28	80-08	1298
WV GLENVILLE 1 ENE	3544-02	38-56	80-49	720
WV MANNINGTON 1 N	5621-02	39-33	80-21	975
WV PARSONS 1 SE	6867-04	39-06	79-40	1680
WV ROMNEY 1 SW	7730-06	39-20	78-46	670
WV UNION 3 SSE	9011-05	37-33	80-32	2110
WV WELLSBURG WTR TRTMT PL	9368-01	40-17	80-37	660
WV WILLIAMSON	9605-03	37-40	82-17	673
WI ANTIGO 1 SSW	0239-03	45-08	89-09	1450
WI BAYFIELD 6 N	0603-01	46-53	90-49	820
WI BRODHEAD	1078-08	42-37	89-23	790
WI DARLINGTON	2001-07	42-41	90-07	930
WI HANCOCK EXP FARM	3405-05	44-07	89-32	1076
WI HILLSBORO	3654-07	43-39	90-20	940
WI LANCASTER 4 WSW	4546-07	42-50	90-47	1042
WI MANITOWOC	5017-06	44-06	87-41	660
WI MEDFORD	5255-02	45-08	90-21	1470
WI NEILLSVILLE 3 SW	5808-02	44-32	90-38	1045
WI OCONTO 4 W	6208-03	44-54	87-57	660
WI PINE RIVER 3 NE	6594-05	44-11	89-02	900
WI PRAIRIE DU CHIEN	6827-07	43-02	91-09	658
WI RACINE	6922-09	42-42	87-46	595
WI RHINELANDER	7113-02	45-38	89-25	1580
WI SOLON SPRINGS	7892-01	46-21	91-49	1080
WI STANLEY	8110-01	44-58	90-56	1120
WI VIROQUA 2 NW	8827-07	43-34	90-54	1200
WI WAUKESHA	8937-09	43-01	88-14	860
WI WEYERHAUSER 2 SSE	9144-01	45-24	91-23	1225
WY ALTA 1 NNW	0140-02	43-47	111-02	6430
WY BORDER 3 N	0915-03	42-15	111-02	6120
WY CHUGWATER	1730-08	41-45	104-49	5282
WY DIVERSION DAM	2595-09	43-14	108-56	5575
WY DULL CENTER 1 SE	2725-07	43-25	104-57	4415
WY EVANSTON 1 E	3100-03	41-16	110-57	6810
WY GILLETTE 2 E	3855-06	44-17	105-28	4556
WY JACKSON	4910-02	43-29	110-46	6230
WY LUSK	5830-07	42-46	104-28	5020
WY MORAN 5 WNW	6440-02	43-51	110-35	6789
WY PATHFINDER DAM	7105-10	42-28	106-51	5930
WY PINE BLUFFS	7235-08	41-11	104-04	5075
WY POWELL	7380-04	44-45	108-46	4378
WY SARATOGA	7990-10	41-27	106-49	6790
WY SUNDANCE	8705-06	44-24	104-21	4750
WY WHEATLAND 4 N	9615-08	42-07	104-57	4638
WY YELLOWSTONE PARK	9905-01	44-58	110-42	6230