



THE STATE CLIMATOLOGIST

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U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER

COVER PHOTO by Y.R. Goodge, Looking south along the east shore of Lake Tahoe, NV.

DR. JAMES McQUIGG 1920-1985

Dr. James McQuigg, an internationally known climatologist, died unexpectedly Tuesday, Nov. 12, 1985, at his home in Columbia, Mo.

Born Sept. 2, 1920, in Schaller, Iowa, to Walter and Doris McQuigg, he attended local schools, graduated from Schaller High School in May 1937 and from Cornell College in Mount Vernon, Iowa, in 1941. He taught school in Iowa until the attack on Pearl Harbor, when he enlisted in the Army Air Corps and took training in meteorology at the University of Chicago. Mr. McQuigg served overseas with an advance weather battalion and crossed the channel on D-Day plus 2. He served in the military until November 1945.

He joined the National Weather Service and was stationed in Kansas City and Des Moines, Iowa, until called back into service during the Korean War. After the war, he was with the weather service in Washington and Omaha, Neb., coming to Columbia in 1956 as a state climatologist. He received his Ph.D. in atmospheric science from the University of Missouri-Columbia, in 1964.

McQuigg was a professor at the University of Missouri-Columbia in atmospheric science, retiring in 1976. He was a fellow of the American Meteorological Society. He received a Gold Medal Award from the Department of Commerce in 1975 for his work. In 1974 he helped establish NOAA's Center for Environmental Assessment Services in Columbia and served as director until his retirement. He then began work as a certified consulting meteorologist with an office in Columbia.

Surviving are his wife, two daughters, three stepchildren, a brother, three sisters and two granddaughters.

The family suggests memorials to Central Missouri Children's Diabetic Camp, P.O. Box 1942, Columbia, Mo. 65205.

NATIONAL CLIMATIC DATA CENTER
STATE CLIMATOLOGIST EXCHANGE PROGRAM

The NCDC/SC Exchange Program has finished another very successful year. A total of nine State Climatologists and/or Assistant State Climatologists participated in this year's program and, as in last year's program, there was one period when several SC's were here at the same time. They were Dr. Joseph M. Caprio (Montana), Mr. W. Joseph Moyer (Maryland), Mr. Harry J. Hillaker, Jr. (Iowa), and Dr. Gaylen L. Ashcroft (Utah). Based on their remarks and comments, the coincident period of their visits was very beneficial to each in that it allowed a real-time sharing of new information particularly in the area of the station history files. This in no way is meant to diminish the importance of those other participants who were here at other times during the year; rather it is to point out the additional benefit of such an interaction of the State Climatologists.

ALABAMA

Dr. Richard McNider, State Climatologist from the K.E. Johnson Environmental and Energy Center of the University of Alabama-Huntsville, visited NCDC for several weeks as part of the NCDC and SC Exchange Program. In addition to his work on Alabama station histories, he also was able to transfer some digital data sets from the NCDC library to diskettes. Using this transferred data, Dr. McNider developed some user-specific programs that could be run on a personal computer.



Dr. Richard McNider

Two of those programs were for construction climatology and net precipitation. Many types of construction are weather sensitive and through the use of Dr. McNider's program, more efficient scheduling can be made for these types of construction projects. Net precipitation is defined as "the excess of precipitation over evaporation." Knowing the frequency and duration of extreme runs of excessive net precipitation events is vital in the design of holding ponds for hazardous waste.

MARYLAND

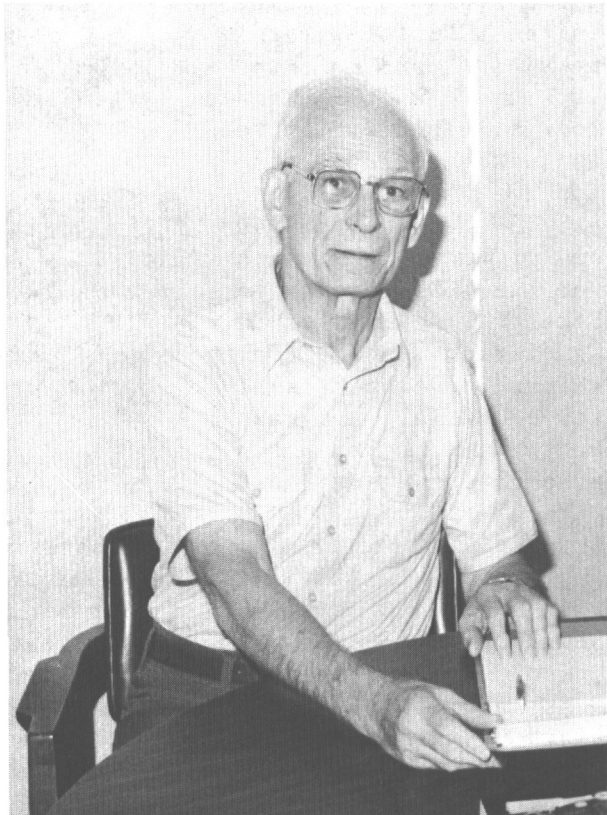
Fortunately for NCDC and its efforts to complete a comprehensive station history file, there are several State Climatologists that returned to their position as SC even after the terminations of Federal support in 1973. Mr. Joseph Moyer is one of those, and as a result has brought an extensive knowledge of the station histories in Maryland. With the help of his son and several students, Mr. Moyer had not only researched the history of the co-op stations, but had also transferred from cards to tape those data records which had been punched in Maryland over 30 years earlier. These records were carefully edited by Mr. Moyer and were brought to NCDC for comparison where coincident records existed or for filling in those missing periods of the earlier records.



Mr. Harry Hillaker

IOWA

Mr. Harry J. Hillaker, Assistant State Climatologist, had done extensive work on Iowa Substation Histories before his visit to NCDC. This work had been done as an integral part of the Climatology of Iowa Series. With this background, Mr. Hillaker was well prepared for his continuing search of NCDC's files to complete the "Iowa Substation History." In some cases, Mr. Hillaker was able to help NCDC fill in some of its informational gaps with his own files, therefore benefiting all concerned.



Mr. Joseph Moyer

MONTANA

Dr. Joseph M. Caprio also had a large number of Montana climatological records that had been punched onto cards by the Montana Agricultural Experiment Station. Some of these records date back as early as 1893. With his knowledge of these records and the stations where they were recorded, Dr. Caprio was invaluable in his assistance to NCDC and its efforts to develop a nationwide long-term climatological data base and station history file.

One of the interesting projects that Dr. Caprio researched while here at NCDC was to confirm the severity of one of the Montana winters that occurred back in the late 1870's. A search of some of the old Signal Service records showed several days with minimum temperatures in the -30° to -50° range.



Dr. Joseph Caprio



Dr. Gaylen Ashcroft

UTAH

Dr. Gaylen L. Ashcroft, Assistant State Climatologist, had also done a historical inventory of Utah stations before his arrival at NCDC. As is often the case, stations close, change names, and move from time to time. Therefore, with Dr. Ashcroft's intimate knowledge of Utah climatological stations, he was able to help NCDC personnel in the quality control of the Utah histories as well as the addition to our files of any data previously unknown to us.

As Dr. Ashcroft searched through some of the old station history forms, he was interested to see that in one of the more remote areas of the state there was one climatological station that had been open for more than 80 years and all of the observers had come from the same family.

MINUTES OF THE AASC BUSINESS MEETING

Nugget Hotel, Sparks, NV

16 Aug 85

The meeting was called to order by President John Griffiths at 3:00 p.m.

The minutes of the 1984 Annual meeting were approved as published in the October 1984 State Climatologist.

President Griffiths remarked that all committees have been active. He commended them for their work and all members for responding to questionnaires and commenting upon reports. As long as members are willing to participate, we will have a viable and useful organization. All members are encouraged to nominate people who are active in climatology and interested in the State Climate Programs for associate membership. He also announced that Bill Bartlett and Murray Mitchell have been approved for Honorary Life Membership. Since neither was able to be at the meeting, Grant Goodge received the certificate for Bill and Tom Blackburn received the certificate for Murray.

All present expressed thanks to John James for the meeting arrangements.

Secretary-treasurer Myron Molnau reported that there is \$1395.66 in the Arcade Credit Union and \$3683.05 at First Union Bank, both in Asheville, for a total of \$5078.71 as of 1 August 1985. Expenses for the past year totaled \$618.12 for one trip each by the President to Washington, D.C., and the President-elect to the Woods Hole Workshop.

The checking account at First Union will be closed out soon and all funds kept in an interest bearing checking account at the Arcade Credit Union. It was also announced that a copy of PFS:File will be purchased to track membership and address changes. This program will then go to each succeeding secretary-treasurer. The membership list will be purged of all non-dues paying associate members sometime this winter. This time frame will allow plenty of time for Associate Members to pay their dues.

There were 14 Associate Members, 24 SC's and 9 non-members attending the meeting. Since the Nugget did not charge for the meeting rooms, no registration fee was charged. Any costs beyond income from the banquet and tour will be taken from the treasury.

The Goals Committee report was given by John Griffiths. He said we need to be careful to distinguish between goals and objectives. The full report will be in the State Climatologist. The new chairman will be Glenn Conner.

The Education Committee report was given by Wayne Wendland. The initial draft of their report was in the January newsletter. There are two lists of recommended courses for students who wish to prepare for a position in one of the SC offices or in any service-oriented climatological position. The first list is of highly recommended courses while the other is a choice of more specialized courses.

Considerable discussion followed as to whether a Master's or PhD degree is to be recommended. It was pointed out that the majority of the SC's are part of the academic community where a PhD is the standard. Wayne will incorporate all of the discussion in a new draft which will be circulated via the next Newsletter.

It was decided that the final approved version be formally published somewhere to give it wide publicity and that copies be sent to departments that provide climatological training.

Gail Bingham gave the Computer Committee report. He raised questions regarding using the CHEF format as a standard of interchange. He will also inquire further into the CLICOM computer system at NCDC.

Ken Hubbard briefly explained the Instrumentation Committee report. The report deals with the choice of a standard set of elements to be collected by automated stations. Included is also data resolution and a list of supplementary elements. The final report will go out with the next Newsletter.

The Publication Committee report was given by Paul Waite. He reviewed the status of NCDC publications with several comments about each. In the CD's, the divisional snowfall values need improvement, the SD publication needs more data from the SC's, and the HPD's, while still late, are improved over a few years ago.

Bob Muller reported for the Regional Program Committee. Much discussion took place regarding the regional programs and their relation to the SC programs. Some felt no need for them while others thought they were useful. As in the SC programs, there is great variability. Gail Bingham stressed the importance of cooperation among the SC's and NWS. It was also suggested that AASC write a letter to Dr. Hallgren, NWS, regarding the importance of climatological data.

No new business being at hand, the Nomination Committee, chaired by Russ Mather, reported (in a most humorous manner) the following nominations:

Dave Miller - President Elect
Myron Molnau - Secretary/Treasurer

They were elected by acclamation.

New Associate Members nominations were then called for and the following were nominated and elected:

Harold Klieforth (NV) by John James
Steve Doty (NC) by Myron Molnau
Richard Snyder (CA) by Bill Mork
John McLaughlin (LA) by Bob Muller

The Nomination Committee for next year will be John Purvis, Kelly Redmond, and Wayne Hamberger.

It was agreed that the AASC accept the invitation from Ken Hadeen to have next year's meeting in Asheville during the series of conferences that NCDC is planning in August.

The meeting adjourned at 5:00 p.m.

Myron Molnau, Secretary-Treasurer

REPORT OF GOALS COMMITTEE
AMERICAN ASSOCIATION OF STATE CLIMATOLOGISTS

GOAL 1:

Promote cooperation between State Climatologists and those Federal, state, and private agencies whose functions include the collection, analysis, and dissemination of climatic information.

OBJECTIVE 1:

Act as the primary source for Federal agencies to determine State Climatologists' opinions, public service, needs, and problems.

OBJECTIVE 2:

Maintain close cooperation with NOAA, NCPO, and NCDC in matters concerning state climatology programs.

OBJECTIVE 3:

Include appropriate Federal, state, and private agencies in the agenda of annual AASC meetings for presentations.

OBJECTIVE 4:

Assure a good visibility of the AASC within each state.

OBJECTIVE 5:

Assure that a current list of State Climatologists is distributed to appropriate Federal, state, and private agencies.

GOAL 2:

Facilitate exchange of information among State Climatologists.

OBJECTIVE 1:

Compile a list of publications by members and State Climatologists' offices and provide the list to the NCDC.

OBJECTIVE 2:

Conduct a survey of climatic work done by State Climatologists and maintain an inventory of this work.

OBJECTIVE 3:

Encourage members to provide articles to the State Climatologist journal and to exchange information about innovative uses of data to enhance services in each state.

GOAL 3:

Provide mutual assistance in the development of effective State Climatologist programs.

OBJECTIVE 1:

Institute committees to address problems and items of current interest.

OBJECTIVE 2:

Develop a model "Governor's Briefing Book" for use by State Climatologists in presenting their products and services.

Proposed Resolution to the AASC

from the Committee on Education

State and Regional Climatologists must: work with a wide variety of users who request climate data and information; be innovative to provide useful products to satisfy the specific needs of the users; interpret scientific data; and be adept at both verbal and written communications. We present the following statement as a summary of the training that best prepares a State or Regional Climatologist. We recognize that there are vast differences between the State Climatology program from one state to another; however, training or experience in all of the following areas will best prepare an aspiring State Climatologist.

Introductory Meteorology
Synoptic Meteorology
Dynamic Meteorology
Meteorological instruments
Regional climatology
Computer programming, including
data base handling
Statistics, including analysis
of variance, time series,
and multivariate analysis

Climatological methods of Applied
Climatology
Micro-meteorology, climatology
Physical-meteorology, climatology
Mathematics through differential eqtns.
Physics
Speech and writing

Because of the duties involved, a masters degree or equivalent is appropriate for State and Regional Climatologists; however, since many State Climatologists are also appointed in university departments, a Ph.D. is often required.

A State Climatologist encounters a diversity of climatological data applications; therefore, the following courses or equivalent experience would be of additional value:

Agricultural Climatology
Air Pollution Climatology
Oceanography
Applications of Climatological
Data

Hydrology
Bioclimatology
Climatological Hazards
Marine Climatology
Economics

We further recommend that students aspiring to a State or Regional Climatologist position spend at least one semester as an intern at one of the State Climate Centers, the National Climatic Data Center, or a Regional Climate Center. This practical experience will acquaint the student with the type of inquiries received by state or regional climatologists, and give the intern experience with the variety of publications available. Prior to serving such an internship, the student would write a proposal to the intended intern facility with assistance from his/her major professor. This proposal would serve as the basis for evaluation at the conclusion of the internship. Course credit could be arranged through the student's home institution as independent study.

AASC INSTRUMENTATION AND DATA STANDARDS

Committee Report

August 16, 1985

Committee: Gail Bingham (UT), Douglas Clark (WI), Richard Davis (NCDC), Kenneth Hubbard (NE) - Chairman, Kenneth Kunkel (NM), Myron Molnau (ID), Fred Nurnberger (MI), and John Vogel (IL)

Statement of the Problem:

The recent advances in technology have made weather data loggers and communication devices affordable to a greater number of meteorologists and climatologists. It has never been easier to collect such large volumes of data from so many instruments. The problem is that new weather stations and networks are being placed in the field without uniform coordination of formats for sampling and calibrating. Guidelines for setting up automated weather stations are needed now in order to assure that comparative and historical climatology will be possible in the future.

Goals:

The aim of this Committee in 1984-85 was to set forth guidelines that would help to standardize the data taken from the rapidly increasing number of non-federal weather stations with particular emphasis on automated stations. In this regard, the following set of objectives were set forth:

- 1) Define standards for a minimum set of weather observations so that comparable data are taken by all federal, state and private sector personnel who subscribe to these standards.
- 2) Define appropriate calibration techniques and other maintenance procedures that will lead to acceptable levels of accuracy.

Although the Committee worked toward developing specific standards for a minimum observation set, it felt that AASC should also encourage flexibility in the collection of non-standard data that may be needed to define weather effects on physical or biological processes.

Progress:

The Committee has drafted two handouts for potential future use. The first deals with sampling guidelines - how often to sample, what mathematical operation to apply to combine the samples, and the data output interval. The second handout deals with suggested measurements, instrument types, accuracy and installation heights. These handouts are submitted with this report.

DRAFT (8/7/85)
STANDARDS FOR INSTRUMENTATION
AT AUTOMATED STATIONS

<u>Measurement</u>	<u>With</u>		<u>Accuracy</u>	<u>Installed At</u>
	<u>A.C. Power</u>	<u>D.C. Power</u>		
Air Temp	Thermistor	Thermistor ¹	0.25C	1.5 m
Soil Temp	Thermistor	Thermistor	0.25C	-10 cm
Global Radiation	Eppley Type	Silicon Cell Pyranometer	2%	2 m
Wind Speed	Cup Anemometer	Cup Anemometer	5% and 0.5 m/s Startup	3 m
Wind Direction	Vane	Vane	2 deg.	3 m
Precipitation ²	Weighing Gage	Tipping Gage	5%	0.5-1 m
Relative Humidity	Aspirated Psychrometer	Pope Sensor ¹	5%	1.5 m

¹ Appropriately shielded

² Preferably shielded

DRAFT (8/7/85)
 DATA LOGGING STANDARDS FOR
 SETTING UP AUTOMATED WEATHER STATIONS

	<u>Parameter</u>	<u>Sample Frequency</u>	<u>Operation</u>	<u>Storage Interval</u>
Basic Standards	Air Temp	1 min.	Average	1 hour
	Soil Temp	1 min.	Average	1 hour
	Global Radiation	1 min.	Sum	1 hour
	Wind Speed	Pulsed	Sum	1 hour
	Wind Direction	1 min.	Vector Direction	1 hour
	Wind Velocity	1 min.	Vector Magnitude	1 hour
	Precipitation	Pulsed	Sum	1 hour
	Relative Humidity	1 min.	Average	1 hour
Auxiliary Suggestions	Net Radiation	1 min.	Sum	1 hour
	Soil Moisture	1 min.	Average	1 hour
	Precipitation Rate	Pulsed	Maximum Total (1 min.)	24 hour
	Temperature	1 min.	Maximum	24 hour
	Temperature	1 min.	Maximum	24 hour
	Wind Speed	Pulsed	Maximum Total (1 min.)	24 hour

AASC PUBLICATIONS COMMITTEE REPORT

Committee Members: John Purvis, Earl Kuehnast, Joseph Moyer, William Haggard, Grant Goodge and Paul Waite (Chairman)

The committee was tasked to study and evaluate those climatological publications which are used (or needed) by State Climatologists and other applied climatologists for providing climatological services and useful information to climatologists.

The primary source of operational climatic publications is the National Climatic Data Center (NCDC). Other sources include NOAA, SC offices, Regional Centers, the American Meteorological Society, National Weather Association, the American Weather Observer and the Heldref Publications (Weatherwise). The most used data information sources (primarily NCDC publications) were most studied by this committee.

This report is primarily based on internal committee surveys since membership response to the survey included in President Griffiths' spring letter was minimal.

Relative to the NCDC publications, the Committee commends the NCDC for the dozen or more excellent publications printed during this year. See attached list for a reminder of some of the excellent non-recurring publications of the past year. The previous year's set of various normals were likewise quite as valuable to applied climatologists. Further, we commend the NCDC for the series of very useful articles in professional publications. Too, we would be remiss not to mention the excellent quarterly medium, The State Climatologist, now in its 9th year. This is a most valuable publication for State Climatologists and other readers. For example, see the April 1985 (Vol. 9, No. 2) which nicely described the NCDC Cooperative Branch and featured Dr. Helmut Landsberg's article on "How State Climatology Evolved in the U.S."

The excerpt from the Virginia Climate Advisory, Spring 1985, we believe aptly describes the attitude of all State and Applied Climatologists -

EDITORIAL: WHERE CREDIT IS REALLY DUE...AND SHOULD STAY

It's easy to come up with a snappy article and graphics when you don't have to do much of the legwork--and that's what applies to this story on Virginia drought.

For the last few years, researchers at the National Climatic Data Center (NCDC) have produced some of the world's best climatic histories. Many will serve as the standard references on climate and its variability for generations to come.

It's not just their work on drought: Tom Karl and his co-workers have produced landmark documents on such diverse topics as temperatures, precipitation, energy use, and...you name it. There are other names involved, too, but to list them would be boring. My hat, and those of the other 44 State Climatologists, often doffs in their direction when we open up the day's mail.

One of my jobs as an academic researcher is to glean from the volume of climatic literature what might be useful and informative to my clients. And it turns out that what comes from NCDC just happens to be the best.

Some simple analyses suggest this work isn't immediately cost-effective. But in the long run, the scientific and economic value is substantial enough to be incalculable from the limited perspective of the current day. Climatic services are, by definition, farsighted; termination of them is analogously nearsighted.

The Committee evaluation and recommendations regarding the continuing NCDC publications:

Climatological Data (CD). We continue to urge more State Climatologists to evaluate their need for historical documentation of unusual and/or notable weather and climate events in the form of a narrative in the monthly CD. We believe this is an important public service, both for the casual user and the researchers and historians. Presently the NCDC does not include the CD narratives in the archived CD microfiche due to cost and the formatting changes that would be required.

The CD format, in use since July 1981, is preferred by some users because of the larger print, but most others report that the split precipitation arrays on two pages makes it difficult to handle when reading data by telephone for several sites for periods requiring split page visual referencing. The CD divisional snowfall values are generally rated as meaningless in most states. In at least one state, the State Climatologist computes the state and division averages from all the useful data.

In summary, we recommend greater SC attention to narratives for inclusion in CDs and for the NCDC to improve division snowfall values, when funding permits, but not at the expense of present services.

Storm Data. The expanded format beginning with July 1981 and Dr. T. Theodore Fujita's contribution have greatly increased the value of this publication. However, all State Climatologists should be aware of the mission and the value of this publication. It is expected to officially document the more damaging storms and all human deaths and injuries associated therewith. It does not, for example, provide a very good crop-hail climatology base. The same may be said for certain other data bases such as windstorms, heavy rains or snowstorms.

Some climatologists believe that documentation could be better done at the State Climatology Offices. In a few cases the Committee agrees, but as yet, we believe that many SC offices are yet understaffed to capably prepare severe storm data even if adequate funding were available. However, should the NWS suffer reductions in staffing at state forecast offices, this may be a viable alternative at several SC offices. Meanwhile, we recommend that SCs and the NWSFO (NWS Forecast Offices) collaborate as much as possible so that the SCs will better understand the reporting procedures and the NWS will better

understand the data needs and formatting procedures which will make the Storm Data more useful to the consumer. We believe it desirable that the SC be advised of the NWS severe weather preparedness programs, receive the publications associated with it and where possible be a part of the severe weather preparedness programs contributing as a knowledgeable climatologist about severe storms.

Hourly Precipitation. Publications continue well behind the useful schedule, but are improved. In Iowa about 20% of the 66 or 67 sites are normally missing - an improvement over a few years ago.

The Publications Committee recommends to the AASC that negotiations be initiated with NOAA to provide SCs the NOAA climatological, hydrological and weather technical publications, - particularly those which will improve our public service and research programs.

The committee also reviewed the need for an applied climatology publication more properly designed to the user need of the State Climatologist and one that should serve as an information exchange about transferrable State programs and solutions to selected problems. About a half century ago the Monthly Weather Review printed a number of similar operational, applied articles; however, a number of related publications are available to State Climatologists including the Journal of Climate and Applied Meteorology, Monthly Weather Review, National Weather Digest, Weatherwise and The State Climatologist. The Committee recommends that further study and identification of special and unmet needs be evaluated prior to recommendation in this area.

In conclusion, this committee believes we should be well pleased with the increased number of NCDC publications and published studies available to us. The Committee continues to recommend increased SC involvement with the NCDC publications by contributing narratives, reviewing publications and individually documenting to NCDC both those areas that should be preserved and those areas in which improvement is desired and important. In so doing, we can assist NCDC in achieving their goals for better products within their several constraints which include budget and staffing. We recommend that the AASC continue to evaluate publications.

Some Recent NCDC Publications

- Climatology of the United States No. 20, Climatic Summaries for Selected Sites, 1951-80 by State.
 - Historical Climatology Series (HCS) 6-1. Statewide Average Climatic History by State.
 - HCS 3. Atlas of Monthly and Seasonal Temperature Departures for the Long Term Mean (1895-1983) for the Contiguous United States
 - 3-2 Winter
 - 3-3 Spring
 - 3-4 Summer
 - 3-5 Fall
 - HCS 3-6 Atlas of Monthly Palmer Hydrological Drought Indices (PHDI), (1895-1930) for the Contiguous United States
 - HCS 3-7 Atlas of Month PHDI (1931-1983) for the Contiguous United States
 - HCS 3-8 Atlas of Monthly Palmer Moisture Anomaly Indices (PMAI), (1895-1930) for the Contiguous United States
 - HCS 3-9 Atlas of Monthly PMAI (1931-83) for the Contiguous United States
Climatological Data 1984 (each State) contains 1984 monthly PMAI
 - HCS 3-10 Atlas of Monthly Palmer Drought Severity Indices (PDSI). 1895-1930) for the Contiguous United States
 - HCS 3-11 Atlas of Monthly PDSI (1931-83) for the Contiguous United States.
- The State Climatologist

REPORT OF REGIONAL OPPORTUNITIES COMMITTEE
AMERICAN ASSOCIATION OF STATE CLIMATOLOGISTS

The Regional Opportunities Committee included Anthony Brazel (Arizona), Nolan Doesken (Colorado), John Purvis (South Carolina), Peter Robinson (Univ. of North Carolina), Norton Strommen (USDA), and Robert Muller, Chairman (Louisiana). We exchanged thoughts and ideas informally by phone and letter, and John Purvis and I met early during the AASC annual meeting at Reno.

In general committee members agreed:

that we were disappointed that the AASC president was not invited to either of the workshops at Tallahassee or Woods Hole until nearly the last minute when invitations were extended after inquiries by AASC members and the executive committee;

that the NCPO collection, publication, and distribution of letters by SCs to Alan Hecht regarding regional climate centers and the Intergovernmental Program represents the most informative summary of the wide-ranging opinions of the SCs;

that the reports of the Woods Hole workshop and meetings by Howard Hill, Tom McKee, and Stan Changnon at Reno were very candid and informative regarding federal agency and individual climatologists views of how to move forward with studies of the impacts of climate variability on the environment and the economy, including regional center opportunities and difficulties;

that the funding of big regional centers will have to be by the federal government rather than "upwards" by large groupings of states (it is not likely that most individual states will support service or research centers in other states);

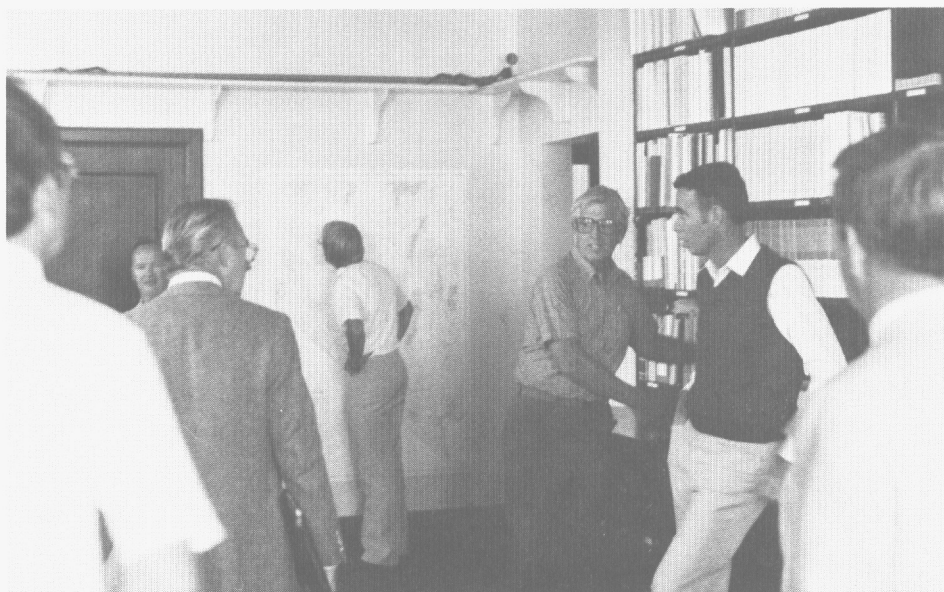
that two or more states with mutual environmental problems and professional interests are more likely to get together for some form of regional collaboration;

that the regional centers could effectively encourage climate programs in states without adequate financial resources, and even serve as the center for states unwilling to develop programs;

that it would be difficult if not impossible to obtain a consensus among the states regarding division of the country into four to eight large regional centers;

and finally, as an afterthought during the business meeting, we would urge the program chairman for next year and the local arrangement committee at NCDC to arrange for several foreign speakers to describe their respective national programs of climate studies and services with attention to the problems of regional organization.

Some of the attendees of the 1985 AASC Meeting held in the Nugget Hotel in Reno, Nevada.



Several of the attendees visited the Nevada State Climatologist Library at the Reno Campus of The University of Nevada.

Our excellent host, Mr. John James, took most of us on a tour of the Lake Tahoe area. Seen here are members of the group standing in a meadow at Squaw Valley, California, site of the 1960 Winter Olympics.





From the top of Eagle Rock each of the hikers was presented a spectacular view NNE over Lake Tahoe.

Dr. Donald T. Jensen demonstrates a snow core device used to determine the meltwater equivalent of the snow pack.



A telemetered precipitation gauge with a windshield. This gauge is part of the SNOTEL network, and is located about 9000 feet above sea level on a pass between Lake Tahoe and Reno.

NOTE ON UNDER-ESTIMATION OF MAXIMUM TEMPERATURES
AS OBSERVED BY MERCURY-IN-GLASS MAXIMUM REGISTERING
THERMOMETERS

Mercury-in-glass maximum registering thermometers, in particular those in which the mercury column holds at the highest temperature until reset (by spinning in a Townsend support), have been in general use by cooperative observers in the United States for nearly a century. Observers are normally trained to be careful to lower such thermometers slowly and smoothly to their vertical reading position, and to recognize "retreaters" in which the restriction in the tube that breaks the mercury column allows leakage back into the bulb end other than at the time of resetting. With these precautions such thermometers are considered highly reliable indicators of the maximum temperature reached since the last resetting.

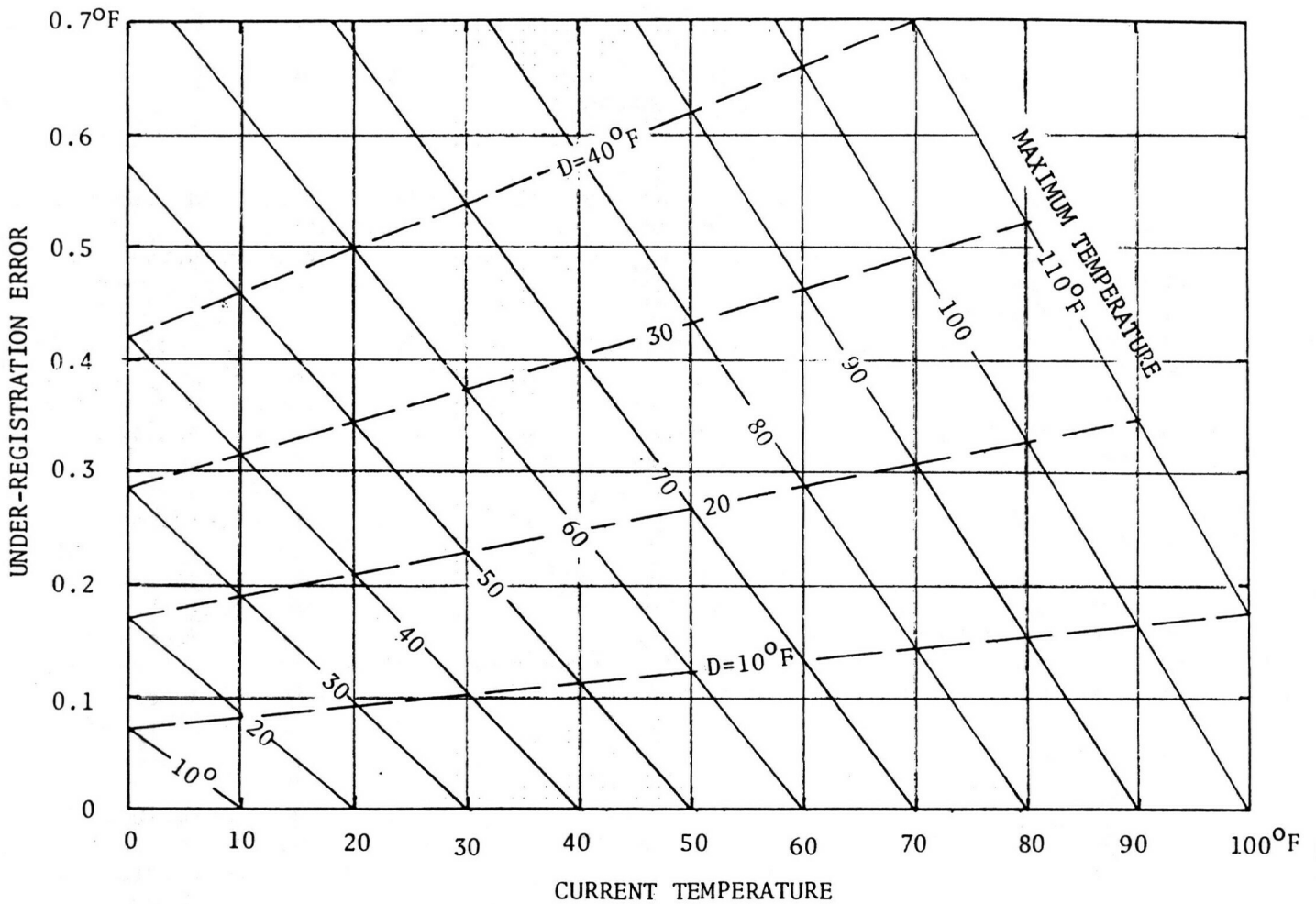
There exists, however, a systematic error in maximum temperatures as registered and reported by use of such thermometers. Although usually limited to a few tenths of one degree F, in some situations the error can approach one full degree F and it is always in the direction of under-registering the true maximum temperature. Inasmuch as there seems to be no general guidance provided to cooperative observers and to users of cooperative-station temperature data, with respect to the error noted here, the source and significance of the error together with a nomogram to estimate its magnitude are the subject of this note.

Source of error. The scales on mercury-in-glass maximum registering thermometers are generally accurate (to within a few tenths of one degree F) referred to conditions when the maximum temperature is equal to the current temperature (i.e., the temperature at time of reading). In normal observing situations, however, the current temperature is substantially lower than the maximum temperature retained by the thermometer since it was last reset. At the current temperature, the mercury column above the constriction in the thermometer tube suffers a small thermal contraction such that the indicated maximum temperature is decreased below that which would have been indicated, had the thermometer been read when the current temperature was equal to the maximum temperature. If a is the thermal expansion coefficient of mercury, L is the length of the mercury column (in indicated °F) between the maximum temperature point and the location of the constriction in the tube (nominally about -60 or -65°F in typical thermometers), and D is the difference between the maximum temperature and the current temperature, then the error (d) in the indicated maximum temperature is given by

$$\underline{d} = \underline{a} \cdot \underline{L} \cdot \underline{D}, \quad \underline{a} \approx 10^{-4} (\text{°F})^{-1}$$

and the true maximum temperature is obtained by adding d to the indicated maximum temperature.

Significance of error. Especially in light of larger errors associated with station exposure and thermometer shielding (from solar radiation effects) the error noted here is not normally significant. However, in the warmer months and in dry climates with a large diurnal temperature range, under-registration of maximum temperatures can approach one degree F, particularly at stations where the daily observations are made in the early morning.



NOMOGRAPH FOR FINDING UNDER-REGISTRATION OF MAXIMUM TEMPERATURE
 As observed by conventional mercury-in-glass registering thermometer

Example

Indicated maximum temperature since last reset = 95.3°F
 Current temperature at time of observation = 65°F
 Difference, $D \approx 30^\circ\text{F}$

1. Enter nomograph at current temperature along bottom scale.
2. Move vertically up to intersection with maximum temperature (solid lines sloping down to right) or with D (dashed lines) using interpolation as appropriate.
3. Read under-registration error from left scale opposite intersection point (0.5°F in this example).
4. Add error to indicated maximum temperature to find "true" maximum temperature ($95.3 + 0.5 = 95.8^\circ\text{F}$)

U.S. Historical Climatology Network

Status Report, October 1985

The National Climatic Data Center (NCDC), with support from the Department of Energy, has completed the station histories and data base for 1,002 stations in the Historical Climatology Network (HCN) described in the July 1984 issue of The State Climatologist. Following are a locator map and an inventory for these HCN stations. During the next few months the data will be processed to:

- Validate all observed data.
- Serially complete time series, where possible.
- Adjust data for station relocation.
- Adjust data for time of observation bias.

Preliminary data will be available in January 1986.

Examination of the map reveals that there are some areas of the country where coverage is not adequate to perform acceptable validation/serial completion analysis, nor to describe the climate.

During 1986, we plan to add approximately 100 stations to the network with major emphasis on those areas where coverage is not sufficient to adequately describe the climate. We also plan to select approximately 60 stations in the HCN for which daily data will be digitized. These data will be used to examine time series of temperatures exceeding critical thresholds.

We want to thank all of the State Climatologists (SC's) who have suggested stations for inclusion in the HCN and reviewed the data and station histories for accuracy. In particular, we want to thank the SC's from Illinois, Maryland, Minnesota, Montana, North Dakota, and Texas who have provided data on magnetic tape to supplement our files. This project would not have been possible without your cooperation and enthusiastic support.

It is anticipated that the HCN project will be completed in August 1986, with all station histories and data through 1985 available on magnetic tape and/or listings.

Thank you for your continuing support and interest.

Bill Brower
Applied Climatology Branch
National Climatic Data Center
Federal Building, Room 401
Asheville, NC 28801-2696
Telephone: (704) 259-0453 (FTS 672-0453)

HISTORICAL CLIMATOLOGICAL STATIONS



PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
AL BREWTON 3SSE	1084-07	31-04	87-03	85	1890- 68	1890- 68	1890- 68	1891- 67	
AL CLANTON	1694-03	32-51	86-38	580	1893- 92	1893- 92	1893- 92	1893- 92	
AL GREENSBORO	3511-06	32-42	87-35	220	1855-117	1855-117	1856-109	1892- 93	
AL HIGHLAND HOME	3816-07	31-57	86-19	594	1892- 93	1892- 93	1892- 93	1892- 93	
AL ST BERNARD	7157-02	34-10	86-49	800	1907- 78	1907- 78	1907- 78	1907- 78	
AL SCOTTSBORO	7304-02	34-41	86-03	615	1882-102	1882-103	1882-101	1891- 93	
AL TALLADEGA	8024-04	33-26	86-05	555	1887- 97	1888- 96	1888- 93	1893- 90	
AL THOMASVILLE	8178-07	31-55	87-44	405	1891- 94	1891- 94	1891- 94	1891- 94	
AL TROY	8323-07	31-47	85-57	498	1872- 90	1872- 85	1872- 89	1908- 77	
AL VALLEY HEAD	8469-02	34-34	85-37	1042	1885-100	1885-100	1885-100	1893- 92	
AZ AJO	0080-07	32-22	112-52	1800	1913- 72	1913- 72	1915- 70	1915- 70	
AZ BUCKEYF	1026-06	33-22	112-35	870	1889- 96	1889- 96	1893- 92	1893- 92	
AZ FORT VALLEY	3160-02	35-16	111-44	7347	1909- 76	1909- 76	1909- 76	1909- 76	
AZ HOLBROOK	4089-02	34-54	110-10	5080	1886- 97	1887- 98	1887- 96	1891- 92	
AZ MESA EXPERIMENT FARM	5467-06	33-25	111-52	1230	1896- 87	1896- 89	1896- 89	1896- 87	
AZ MIAMI	5512-04	33-24	110-53	3560	1913- 72	1913- 72	1913- 72	1913- 72	
AZ PARKER	6250-05	34-10	114-17	425	1893- 92	1893- 92	1893- 92	1893- 92	
AZ PRESCOTT	6796-03	34-34	112-28	5205	1865-119	1865-120	1865-120	1898- 87	
AZ SACATON	7370-06	33-04	111-45	1285	1908- 77	1908- 77	1908- 77	1908- 77	
AZ SAFFORD	7388-07	32-50	109-43	2900	1898- 76	1898- 76	1898- 76	1898- 76	TO 7390 FROM 7388
AZ SAFFORD AGRICULTURAL CENTER	7390-07	32-49	109-41	2954	1948- 37	1948- 37	1948- 37	1948- 37	
AZ SELIGMAN	7716-03	35-19	112-53	5250	1888- 83	1889- 82	1888- 83	1904- 81	
AZ TOMBSTONE	8619-07	31-42	110-03	4610	1888- 94	1889- 93	1889- 92	1893- 89	
AZ TUCSON U OF AZ	8815-07	32-15	110-57	2444	1875-110	1867-118	1875-110	1891- 94	PCP LAT 3217 1883-91
AZ WICKENBURG	9287-06	33-59	112-44	2050	1875- 89	1875- 89	1875- 89	1908- 77	
AZ WILLIAMS	9359-02	35-15	112-11	6750	1888- 89	1888- 89	1888- 89	1897- 86	
AZ YUMA CITRUS	9652-05	32-37	114-39	191	1920- 65	1920- 65	1920- 65	1920- 65	
AR BRINKLEY	0936-06	34-53	91-11	200	1882-103	1882-103	1882-103	1888- 96	
AR CONWAY	1596-05	35-06	92-27	332	1884-101	1884-101	1885-100	1897- 88	
AR CORNING	1632-03	36-24	90-35	293	1892- 93	1892- 93	1892- 87	1892- 86	
AR EUREKA SPRINGS 3WNW	2356-01	36-25	93-47	1420	1888- 85	1888- 85	1888- 85	1902- 83	
AR FAYETTEVILLE	2442-01	36-05	94-10	1370	1870- 44	1870- 41	1881- 39	1893- 34	TO 2444 FROM 2442
AR FAYETTEVILLE EXP STN	2444-01	36-06	94-10	1270	1926- 59	1926- 59	1926- 59	1926- 59	
AR GRAVETTE	2930-01	36-26	94-27	1260	1898- 87	1898- 87	1898- 87	1898- 87	
AR MAMMOTH SPFGING	4572-02	36-29	91-32	650	1904- 81	1904- 81	1904- 81	1904- 81	
AR MENA	4756-04	34-34	94-16	1130	1887- 98	1887- 98	1888- 97	1891- 94	
AR NEWPORT	5186-03	35-36	91-17	220	1884-101	1884-101	1887- 98	1888- 96	
AR OZARK	5508-04	35-29	93-51	490	1891- 90	1891- 90	1891- 90	1892- 89	
AR PINE BLUFF	5754-09	34-13	92-01	215	1884-101	1884-101	1888- 97	1888- 96	
AR POCAHONTAS 1	5820-03	36-16	90-58	315	1894- 91	1894- 91	1894- 91	1894- 91	
AR PRESCOTT	5908-08	33-48	93-23	308	1882-103	1882-103	1882- 98	1888- 96	
AR SUBIACO	6928-04	35-18	93-39	500	1897- 88	1897- 88	1897- 88	1897- 88	
CA BERKELEY	0693-04	37-52	122-15	345	1886- 99	1886- 99	1886- 99	1893- 92	
CA CEDARVILLE	1614-03	41-32	120-10	4670	1894- 91	1894- 91	1894- 91	1894- 91	
CA COLFAX	1912-02	39-06	120-57	2410	1870-115	1870-115	1870-115	1905- 80	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
CA CUYAMACA	2239-06	32-59	116-35	4640	1887- 98	1887- 98	1899- 86	1910- 75	
CA DAVIS	2294-02	38-32	121-46	60	1871-114	1871-114	1871-111	1908- 77	
CA HANFORD 1S	3747-05	36-18	119-39	245	1880- 97	1880- 97	1899- 86	1899- 86	CNTY TULARE PRE 1890
CA HEALDSBURG	3875-01	38-37	122-52	102	1876-109	1876-109	1893- 92	1899- 86	
CA INDIO U S DATE GARDEN	4259-07	33-44	116-15	11	1877-106	1877-106	1877-106	1904- 79	
CA LEMON COVE	4890-05	36-23	119-02	513	1895- 90	1899- 86	1895- 90	1895- 90	
CA LIVERMORE	4997-04	37-40	121-46	480	1870-115	1870-115	1870-115	1903- 82	
CA LODI	5032-05	38-07	121-17	40	1881-104	1882- 88	1882- 85	1893- 74	
CA MARYSVILLE	5385-02	39-09	121-36	57	1857-121	1862-116	1857-112	1897- 82	
CA MERCED MUNICIPAL AP	5532-05	37-17	120-31	153	1872-113	1872-113	1872-113	1899- 86	
CA MOUNT SHASTA WSO CITY	5983-02	41-19	122-19	3539	1888- 97	1888- 97	1891- 94	1904- 81	
CA PETALUMA FIRE STN #3	6826-01	38-14	122-38	27	1871- 97	1871- 97	1893- 75	1913- 72	
CA QUINCY	7195-02	39-55	120-57	3408	1895- 90	1895- 90	1895- 90	1895- 90	8/1979-1/1981 FROM 7197
CA REDLANDS	7306-06	34-03	117-11	1318	1888- 97	1889- 96	1892- 93	1898- 87	
CA SANTA BARBARA	7902-06	34-25	119-41	5	1867-118	1867-118	1893- 92	1893- 92	
CA SANTA CRUZ	7916-04	36-59	122-01	130	1873-112	1873-112	1873-112	1893- 92	
CA SANTA ROSA	7965-01	38-27	122-42	167	1888- 97	1888- 97	1891- 94	1902- 83	
CA TUSTIN IRVINE RANCH	9087-06	33-44	117-47	118	1877-108	1877-108	1899- 76	1899- 76	
CA UKIAH	9122-01	39-09	123-12	623	1877-108	1877-108	1892- 93	1893- 92	
CA VACAVILLE	9200-02	38-22	121-57	105	1880-105	1880-105	1887- 98	1905- 80	
CA WASCO	9452-05	35-36	119-20	345	1899- 86	1899- 86	1899- 86	1899- 86	
CA WILLOWS &W	9699-02	39-31	122-18	233	1878-107	1878-107	1878-107	1893- 85	
CA YREKA	9866-01	41-43	122-38	2625	1871-107	1871-114	1893- 81	1893- 81	
CO BOULDER	0848-04	40-02	105-16	5375	1893- 91	1893- 91	1893- 91	1893- 91	
CO CANON CITY	1294-01	38-26	105-15	5335	1886- 99	1888- 97	1886- 99	1888- 96	
CO CHEESMAN	1528-04	39-13	105-17	6875	1902- 83	1902- 83	1902- 83	1902- 83	
CO CHEYENNE WELLS	1564-03	38-49	102-21	4250	1889- 96	1889- 94	1889- 94	1891- 90	
CO COLLBRAN	1741-02	39-15	107-58	5980	1892- 93	1892- 89	1900- 85	1900- 81	
CO DEL NORTE	2184-05	37-40	106-21	7884	1889- 71	1891- 69	1891- 69	1893- 67	
CO DURANGO	2432-02	37-17	107-53	6600	1886- 96	1886- 96	1886- 94	1894- 91	
CO EADS	2446-01	38-29	102-47	4215	1907- 77	1907- 77	1907- 77	1907- 77	
CO FORT COLLINS	3005-04	40-35	105-05	5004	1872-113	1872-109	1872-109	1888- 95	
CO FORT MORGAN	3038-04	40-15	103-48	4321	1895- 90	1895- 90	1897- 88	1897- 88	
CO FRUITA 1W	3146-02	39-10	108-45	4480	1889- 88	1889- 88	1889- 88	1891- 86	
CO GUNNISON	3662-02	38-32	106-56	7664	1884- 97	1884- 97	1884- 96	1893- 92	
CO LAS ANIMAS	4834-01	38-04	103-13	3891	1867-118	1867-118	1867-118	1891- 94	
CO MONTROSE #2	5722-02	38-29	107-53	5785	1885- 99	1885-100	1885- 93	1893- 85	
CO SAGUACHE	7337-05	38-05	106-08	7692	1886- 95	1886- 95	1886- 95	1894- 91	
CO STEAMBOAT SPRINGS	7936-02	40-30	106-50	6770	1891- 85	1891- 85	1891- 85	1891- 85	
CO WRAY 1E	9243-03	40-05	102-11	3520	1890- 95	1890- 95	1893- 92	1893- 92	
CT FALLS VILLAGE	2658-01	41-57	73-22	550	1889- 96	1889- 96	1916- 69	1916- 69	
CT STORRS	8138-02	41-48	72-15	650	1888- 97	1889- 95	1892- 91	1893- 81	
DE BRIDGEVILLE 1NW	1330-02	38-45	75-37	50	1890- 95	1892- 93	1892- 93	1892- 93	
DE MILFORD 4SE	5915-02	38-54	75-28	30	1857-113	1858-100	1857-101	1893- 89	CNTY KENT PRIOR 8/20/25
FL APALACHICOLA WSO AP	0211-01	29-44	85-02	20	1903- 82	1903- 82	1903- 82	1903- 82	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
FL BARTOW	0478-04	27-54	81-51	125	1887- 98	1887- 98	1887- 98	1893- 92	
FL DE FUNIAK SPRINGS	2220-01	30-44	86-07	230	1896- 89	1896- 89	1896- 89	1896- 89	
FL FEDERAL POINT	2915-02	29-45	81-32	5	1892- 93	1892- 93	1892- 93	1892- 93	
FL FERNANDINA BEACH	2944-02	30-39	81-28	13	1891- 91	1891- 91	1891- 91	1892- 90	
FL FORT LAUDERDALE	3163-06	26-06	80-12	16	1912- 73	1912- 73	1912- 73	1912- 73	
FL FORT MYERS WSO AP	3186-05	26-35	81-52	15	1891- 94	1891- 94	1891- 94	1891- 94	
FL FORT PIERCE	3207-04	27-28	80-21	25	1840-103	1852- 91	1840- 95	1901- 84	
FL INVERNESS 3SE	4289-03	28-44	82-19	40	1899- 86	1899- 86	1899- 86	1899- 86	
FL KEY WEST WBO AP	4570-07	24-33	81-45	4	1931- 51	1948- 34	1948- 34	1948- 34	SEE 4575
FL KEY WEST	4575-07	24-34	81-48	6	1830-146	1832-132	1830-130	1872- 99	SEE 4570
FL LAKE CITY 2E	4731-02	30-11	82-36	195	1857-104	1857-106	1857-103	1892- 93	
FL MADISON 4N	5275-02	30-32	83-26	180	1889- 89	1889- 88	1889- 88	1892- 83	
FL SAINT LEO	7851-03	28-20	82-16	190	1890- 93	1890- 93	1890- 93	1891- 92	
FL TARPON SPRINGS	8824-04	28-09	82-45	8	1884-101	1884-101	1884-101	1891- 94	CNTY WILLSBOROUGH 1897-0
FL TITUSVILLE	8942-03	28-37	80-49	5	1887- 93	1901- 84	1901- 84	1901- 84	
GA ALBANY 3SE	0140-07	31-32	84-08	180	1878-107	1878-105	1878-105	1891- 93	
GA BAINBRIDGE 5NNE	0581-07	30-55	84-35	120	1882- 97	1884- 94	1882- 96	1892- 84	SEE 0586
GA BAINBRIDGE INT PAPER CO	0586-07	30-48	84-39	190	1961- 24	1977- 8	1977- 8	1977- 8	SEE 0581
GA COVINGTON	2318-05	33-36	83-52	770	1859-106	1875-103	1878- 81	1893- 73	
GA DAHLONEGA	2475-02	34-32	83-59	1430	1874-111	1874- 97	1874- 97	1892- 93	
GA EASTMAN 1W	2966-05	32-12	83-12	400	1882-103	1882-103	1882-103	1891- 92	
GA FORT GAINES	3516-07	31-36	85-03	340	1882-103	1882-104	1882-103	1891- 93	
GA GAINESVILLE	3621-02	34-18	83-51	1170	1872-113	1872-113	1872-113	1891- 93	
GA GLENNVILLE	3754-09	31-56	81-55	170	1904- 81	1904- 81	1905- 80	1904- 81	
GA HAWKINSVILLE	4170-05	32-17	83-28	265	1892- 93	1892- 93	1892- 92	1892- 92	
GA MILLEN 4N	5882-06	32-52	81-58	195	1882-103	1882-103	1882-103	1891- 94	
GA QUITMAN 2NW	7276-08	30-48	83-35	185	1882-103	1882-103	1882-103	1891- 94	
GA ROME	7600-01	34-15	85-09	620	1855-130	1855-130	1878-104	1892- 93	
GA TALBOTTON 1NE	8535-04	32-42	84-32	710	1878- 94	1878- 94	1878- 94	1892- 93	
GA TOCCOA	8740-03	34-35	83-19	1019	1879-105	1879-105	1879-105	1891- 93	CNTY HABERSHAM PRE 1910
GA WARRENTON	9141-06	33-25	82-40	510	1884-101	1884-101	1884-101	1891- 93	
GA WASHINGTON ZESE	9157-03	33-43	82-43	620	1884-101	1884-101	1884-101	1891- 93	
GA WAYCROSS 4NE	9186-09	31-15	82-19	145	1882-103	1882-103	1882-103	1892- 91	CNTY WARE PRE 5/64
GA WEST POINT	9291-04	32-52	85-11	575	1882-103	1882-103	1882-103	1891- 92	
ID ABERDEEN EXPERIMENT STATION	0010-09	42-57	112-50	4405	1914- 71	1914- 71	1914- 71	1914- 71	
ID ASHTON	0470-09	44-04	111-27	5260	1897- 88	1897- 88	1897- 88	1897- 88	
ID CALDWELL	1380-05	43-40	116-41	2370	1904- 81	1904- 81	1904- 81	1904- 81	
ID CAMBRIDGE	1408-05	44-34	116-41	2650	1894- 91	1894- 91	1894- 91	1894- 91	
ID CHALLIS	1663-08	44-30	114-14	5175	1895- 80	1896- 79	1895- 79	1895- 79	
ID GLENN'S FERPY	3631-05	42-56	115-19	2510	1905- 78	1905- 77	1905- 78	1905- 78	
ID GRACE	3732-10	42-35	111-44	5550	1907- 78	1907- 78	1907- 78	1907- 78	CNTY BANNOCK PRE 11/1952
ID HAILEY AP	3942-04	43-31	114-18	5306	1892- 88	1892- 85	1894- 83	1894- 83	
ID KELLOGG	4831-04	47-32	116-08	2320	1905- 79	1905- 79	1905- 80	1905- 79	
ID LIFTON PUMPING STATION	5275-10	42-07	111-18	5926	1919- 66	1919- 66	1919- 66	1919- 66	
ID MOSCOW U OF ID	6152-02	46-44	116-58	2660	1892- 93	1892- 93	1892- 93	1893- 92	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
ID OAKLEY	6542-10	42-14	113-53	4600	1893- 92	1893- 92	1893- 92	1893- 92	
ID OROFINO	6681-03	46-29	116-16	1320	1903- 80	1903- 79	1903- 79	1903- 79	CNTY NEZ PERCES PRE 1917
ID PAYETTE	6891-05	44-05	116-56	2150	1890- 95	1890- 95	1890- 93	1892- 91	CNTY CANYON PRE 1921
ID PORTHILL	7264-01	49-00	116-30	1775	1889- 96	1889- 96	1889- 96	1894- 91	CNTY KOOTENAI PRE 1917
ID PRIEST RIVER EXPERIMENT STN	7386-01	48-21	116-50	2380	1898- 82	1898- 82	1898- 82	1898- 82	CNTY KOOTENAI PRE 1905
IL ALEDO	0072-01	41-13	90-45	720	1874-101	1874-100	1879- 89	1901- 84	
IL ANNA 1E	0187-08	37-28	89-14	645	1875-101	1875-101	1875-101	1896- 89	
IL AURORA	0338-02	41-45	88-21	644	1857-123	1857-120	1857-117	1887- 94	
IL CARLINVILLE	1280-06	39-17	89-52	625	1891- 94	1891- 94	1891- 94	1893- 92	
IL CHARLESTON	1436-07	39-29	88-10	680	1896- 89	1896- 89	1896- 89	1896- 89	
IL DANVILLE	2140-05	40-08	87-39	558	1895- 85	1895- 85	1895- 85	1897- 83	
IL DECATUR	2193-04	39-50	89-01	620	1868-117	1868-106	1875- 98	1893- 92	
IL DIXON 1NW	2348-01	41-50	89-31	700	1881-104	1881-101	1881-101	1887- 94	
IL DUQUOIN 4SE	2483-08	37-59	89-12	420	1886- 98	1887- 97	1886- 98	1888- 89	
IL GALVA	3335-01	41-10	90-03	855	1862-114	1862-113	1862-114	1893- 92	CNTY STARK PRE 1883
IL GRIGGSVILLE	3717-06	39-43	90-44	700	1882-103	1882-103	1882-103	1887- 94	
IL HARRISRUPG	3879-09	37-45	88-33	380	1898- 87	1898- 87	1898- 87	1898- 87	
IL HILLSBORO	4108-06	39-09	89-29	630	1895- 90	1895- 90	1895- 90	1895- 90	
IL HOOPESTON 1NE	4198-05	40-28	87-40	710	1887- 85	1887- 85	1887- 85	1887- 85	
IL JACKSONVILLE 2E	4442-06	39-44	90-12	610	1858-102	1861- 96	1858- 94	1895- 90	
IL LA HARPE	4823-03	40-35	90-58	700	1895- 90	1895- 90	1895- 90	1895- 90	
IL LINCOLN	5079-04	40-10	89-22	580	1906- 79	1906- 79	1906- 79	1906- 79	
IL MARENGO	5326-02	42-15	88-36	820	1855-130	1856-129	1856-129	1893- 92	
IL MCLEANSBORO	5515-09	38-06	88-30	480	1882-103	1882-103	1882-103	1888- 90	
IL MINONK	5712-04	40-54	89-03	750	1886- 92	1886- 92	1886- 92	1896- 89	CNTY LA SALLE 10/70-08/7
IL MONMOUTH	5768-03	40-55	90-38	770	1881-104	1881-100	1881-101	1893- 92	
IL MORRISON	5833-01	41-49	89-58	603	1880- 95	1880- 95	1880- 95	1895- 90	
IL MOUNT CARROLL	5901-01	42-05	89-59	700	1887- 96	1887- 96	1887- 96	1897- 88	
IL MT VERNON 3NE	5943-09	38-21	88-52	490	1878- 93	1878- 93	1879- 92	1895- 90	
IL OLNEY 2S	6446-07	38-42	88-04	480	1887- 98	1887- 98	1887- 98	1896- 89	
IL OTTAWA 4SW	6526-02	41-20	88-55	525	1854-118	1856-114	1854-116	1887- 94	
IL PALESTINE	6558-07	39-00	87-37	515	1882-103	1882-103	1882-103	1893- 92	
IL PANA	6579-06	39-23	89-05	696	1869-102	1869-102	1869-102	1893- 88	
IL PARIS WATERWORKS	6610-07	39-38	87-42	680	1886- 97	1886- 97	1886- 97	1893- 92	
IL PONTIAC	6910-05	40-53	88-38	650	1885- 89	1885- 89	1886- 88	1903- 82	
IL RUSHVILLE	7551-03	40-07	90-35	675	1889- 96	1889- 93	1889- 93	1893- 89	
IL SPARTA	8147-08	38-08	89-43	520	1887- 98	1887- 98	1887- 98	1893- 92	
IL URBANA	8740-05	40-06	88-14	743	1888- 97	1888- 97	1888- 97	1888- 97	
IL WALNUT	8916-01	41-33	89-36	690	1892- 93	1892- 93	1892- 93	1893- 92	
IL WHITE HALL 1E	9241-06	39-26	90-23	578	1854-120	1854-119	1854-118	1894- 89	
IL WINDSOR	9354-07	39-26	88-36	685	1885- 86	1885- 86	1885- 86	1887- 84	
IN ANDERSON SEWAGE PLANT	0177-05	40-06	85-43	845	1895- 90	1895- 90	1895- 90	1895- 90	
IN ANGOLA	0200-03	41-38	84-59	1010	1884- 89	1884- 87	1885- 86	1887- 84	
IN BERNE	0676-03	40-40	84-57	858	1910- 75	1910- 75	1910- 75	1910- 75	
IN BLOOMINGTON IN UNIV	0784-08	39-10	86-31	825	1868-107	1868-103	1868-102	1896- 88	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS IN DIGITAL FILE PRECIP	AVG TEMP	EXT TEMP	XREF
IN BROOKVILLE	1030-09	39-25	85-00	670	1882- 67	1882- 67	1884- 65	1925- 60	
IN CAMBRIDGE CITY	1229-06	39-49	85-10	950	1892- 93	1892- 93	1892- 93	1892- 93	
IN COLLEGEVILLE	1719-01	40-55	87-09	672	1907- 64	1907- 64	1907- 64	1907- 64	FROM & TO 7298
IN COLUMBUS	1747-05	39-12	85-55	621	1884-101	1884-101	1884-101	1893- 92	
IN CRAWFORDSVILLE 2NW	1873-04	40-04	86-56	745	1982- 3	1982- 3	1982- 3	1982- 3	SEE 1882
IN CRAWFORDSVILLE POWER PLANT	1882-04	40-03	86-54	679	1885- 93	1885- 90	1885- 90	1892- 85	SEE 1873
IN DELPHI 3NNE	2149-02	40-37	86-40	560	1885-100	1885-100	1885-100	1887- 93	
IN GOSHEN COLLEGE	3418-02	41-34	85-50	805	1914- 71	1914- 71	1914- 71	1914- 71	
IN GREENCASTLE 1E	3513-04	39-39	86-51	835	1882- 87	1882- 87	1884- 84	1895- 81	
IN GREENFIELD	3527-05	39-47	85-45	865	1883- 87	1883- 86	1883- 87	1903- 82	
IN HOBART	4008-01	41-32	87-15	600	1919- 66	1919- 66	1919- 66	1919- 66	
IN HUNTINGTON	4176-03	40-53	85-30	802	1882- 98	1882- 95	1893- 87	1893- 87	TO 4181 05/1979
IN HUNTINGTON WATERWORKS	4181-03	40-51	85-30	725	1979- 6	1979- 4	1979- 4	1979- 4	FROM 4176 05/1979
IN LAPORTE	4837-01	41-36	86-43	810	1849- 96	1849- 95	1851- 92	1897- 88	
IN MADISON SEWAGE PLANT	5237-09	38-44	85-24	455	1854-105	1858- 96	1854- 98	1893- 92	
IN MARION 2N	5337-05	40-34	85-40	790	1885-100	1885-100	1885-100	1891- 94	
IN MARKLAND DAM 39	5381-09	38-47	84-58	482	1921- 40	1921- 39	1921- 39	1921- 39	FROM & TO 9080
IN MAUZY	5435-05	39-37	85-20	1048	1881- 68	1881- 68	1883- 66	1887- 59	TO 7646
IN MT VERNON	6001-07	37-57	87-53	415	1887- 98	1887- 98	1887- 98	1893- 92	
IN OOLITIC PURDUE EXP FM	6580-08	38-53	86-33	650	1893- 82	1893- 80	1893- 81	1893- 81	
IN PAOLI	6705-08	38-32	86-29	640	1898- 87	1898- 87	1898- 87	1898- 87	
IN PRINCETON 1W	7125-07	38-21	87-35	482	1882-103	1882-103	1884-101	1899- 86	
IN RENSSELAER	7298-01	40-56	87-09	650	1864- 33	1864- 30	1864- 30	1900- 23	TO & FROM 1719
IN ROCHESTER	7482-02	41-04	86-13	770	1904- 74	1904- 74	1904- 74	1904- 74	
IN ROCKVILLE	7522-04	39-46	87-14	690	1860-105	1860-101	1862-103	1887- 98	
IN RUSHVILLE	7646-05	39-36	85-27	955	1948- 37	1948- 37	1948- 37	1948- 37	FROM 5435
IN SALEM	7755-08	38-37	86-05	800	1882- 96	1882- 93	1884- 91	1897- 85	
IN SCOTTSBURG	7875-09	38-42	85-46	550	1894- 91	1894- 91	1894- 91	1896- 89	
IN SEYMOUR 2N	7935-08	38-59	85-54	573	1887- 98	1887- 98	1887- 98	1892- 93	
IN SHOALS HIGHWAY 50 BRIDGE	8036-07	38-40	86-48	550	1911- 74	1911- 74	1912- 73	1912- 73	
IN VEVA	9080-09	38-45	85-04	470	1864- 83	1865- 82	1864- 82	1887- 60	TO & FROM 5381
IN VINCENNES 1W	9112-07	38-41	87-32	420	1882-100	1882- 98	1894- 89	1894- 89	SEE 9113
IN VINCENNES 5NE	9113-07	38-44	87-30	450	1980- 5	1982- 3	1982- 3	1982- 3	SEE 9112
IN WASHINGTON	9253-07	38-40	87-11	485	1896- 89	1896- 89	1896- 89	1896- 89	
IN WHEATFIELD 2NNW	9511-01	41-14	87-04	650	1916- 69	1916- 69	1916- 69	1916- 69	
IN WHITESTOWN	9557-05	40-00	86-21	935	1896- 89	1896- 89	1896- 89	1896- 89	
IN WINAMAC 2SSE	9670-01	41-02	86-35	690	1897- 77	1897- 77	1897- 77	1897- 77	
IA ALBIA	0112-08	41-02	92-48	940	1891- 94	1891- 94	1891- 94	1897- 88	
IA ALGONA 3W	0133-02	43-04	94-18	1230	1861-124	1861-123	1861-110	1893- 92	
IA BELLE PLAINE	0600-06	41-53	92-16	810	1889- 96	1889- 96	1889- 96	1890- 95	
IA CHARLES CITY	1402-02	43-03	92-40	1013	1875-104	1875-110	1891- 94	1891- 94	
IA CLARINDA	1533-07	40-44	95-02	1030	1872-106	1872-106	1872-101	1890- 95	
IA CLINTON #1	1635-06	41-48	90-16	585	1857-124	1859-122	1857-120	1893- 92	
IA ESTERVILLE 2N	2724-01	43-25	94-50	1302	1895- 90	1895- 90	1895- 90	1895- 90	
IA FAIRFIELD	2789-09	41-02	91-57	740	1855-108	1857-104	1855-100	1891- 88	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
IA FAYETTE	2864-03	42-50	91-48	1010	1888- 97	1888- 97	1888- 97	1893- 92	
IA FOREST CITY 2NNE	2977-02	43-17	93-38	1300	1894- 91	1894- 91	1894- 91	1894- 91	
IA FORT DODGE	2999-05	42-30	94-12	1115	1851-100	1851- 99	1851- 91	1900- 85	
IA INDIANOLA	4063-08	41-22	93-33	940	1875-103	1875-103	1882- 99	1890- 95	
IA IOWA FALLS	4142-05	42-32	93-16	1170	1863-103	1863-103	1863-103	1893- 92	
IA LE MARS	4735-01	42-48	96-10	1195	1876- 99	1876- 98	1896- 89	1896- 89	
IA LOGAN	4894-04	41-38	95-48	1052	1866-119	1866-119	1866-119	1890- 95	
IA MOUNT AYR 5SW	5769-08	40-39	94-18	1270	1892- 92	1892- 92	1892- 92	1892- 92	
IA MOUNT PLEASANT	5796-09	40-57	91-33	736	1863-119	1863-113	1863-109	1898- 87	
IA NEW HAMPTON	5952-03	43-03	92-19	1160	1897- 88	1897- 88	1897- 88	1897- 88	
IA ROCK RAPIDS	7147-01	43-26	96-10	1350	1893- 92	1893- 88	1893- 88	1893- 88	
IA ROCKWELL CITY	7161-04	42-24	94-37	1210	1893- 92	1893- 92	1894- 90	1894- 90	
IA STORM LAKE 2E	7979-01	42-38	95-11	1425	1876- 96	1876- 96	1889- 92	1891- 90	
IA TOLEDO	8296-05	41-59	92-35	890	1894- 91	1894- 91	1894- 91	1895- 90	
IA WASHINGTON	8688-09	41-17	91-41	756	1875-108	1875-108	1875-106	1890- 95	
KS ANTHONY	0264-08	37-09	98-05	1340	1896- 89	1896- 89	1906- 79	1906- 79	
KS ASHLAND	0365-07	37-12	99-46	1970	1888- 97	1888- 97	1888- 97	1889- 96	
KS ATCHISON	0405-03	39-34	95-07	945	1865-116	1866-108	1865-109	1891- 94	
KS COLDWATER	1704-08	37-16	99-20	2083	1888- 88	1888- 88	1888- 86	1888- 86	
KS COLUMBUS 1SW	1740-09	37-10	94-51	900	1889- 96	1890- 95	1891- 94	1891- 94	
KS EL DORADO	2401-09	37-49	96-50	1340	1886- 92	1886- 91	1886- 91	1893- 87	
KS ELLSWORTH	2459-05	38-44	98-14	1530	1866- 92	1866- 92	1866- 92	1887- 85	
KS ESKRIDGE 1SE	2602-06	38-51	96-06	1420	1897- 83	1897- 83	1897- 82	1897- 82	
KS FORT SCOTT	2835-09	37-51	94-42	845	1843-114	1843-114	1843-108	1896- 89	
KS HAYS 1S	3527-05	38-52	99-20	2010	1867-118	1867-118	1885- 98	1888- 95	
KS HORTON	3810-03	39-40	95-31	1029	1888- 97	1888- 97	1888- 97	1888- 97	
KS INDEPENDENCE	3954-09	37-15	95-42	780	1872-113	1872-113	1872-113	1888- 97	
KS JETMORE	4081-07	38-05	99-54	2302	1900- 84	1901- 83	1901- 82	1901- 82	
KS LAKIN	4464-07	37-56	101-15	2998	1889- 96	1889- 96	1889- 96	1889- 96	
KS LARNED	4530-08	38-10	99-05	1994	1860-102	1860-102	1860-101	1890- 83	
KS LAWRENCE	4559-06	38-58	95-16	1000	1857-125	1861-121	1857-124	1894- 89	
KS LEAVENWORTH 4SSE	4588-03	39-16	94-53	860	1830-142	1836-136	1830-142	1901- 79	
KS LIBERAL	4695-07	37-03	100-55	2834	1892- 82	1892- 81	1892- 81	1892- 81	
KS MANHATTAN	4972-03	39-12	96-35	1065	1858-127	1858-127	1858-127	1893- 92	
KS MCPHERSON	5152-05	38-23	97-40	1495	1876- 99	1876- 99	1891- 94	1891- 94	
KS MEDICINE LODGE 2N	5173-08	37-18	98-35	1540	1891- 94	1891- 94	1895- 90	1895- 90	
KS MINNEAPOLIS	5363-02	39-08	97-43	1310	1889- 96	1889- 95	1889- 95	1889- 95	
KS NORTON 9SSE	5856-01	39-42	99-50	2360	1890- 91	1890- 91	1890- 91	1890- 91	
KS OBERLIN	5906-01	39-50	100-32	2610	1887- 98	1887- 98	1913- 72	1913- 72	
KS OLATHE 3E	5972-06	38-53	94-46	1055	1864-100	1864- 99	1864- 99	1893- 90	
KS OTTAWA	6128-06	38-37	95-17	900	1895- 90	1895- 90	1895- 90	1895- 90	
KS PHILLIPSBURG	6374-02	39-44	99-19	1907	1891- 94	1891- 94	1891- 93	1891- 93	
KS SAINT FRANCIS	7093-01	39-46	101-48	3300	1908- 77	1908- 77	1908- 77	1908- 77	
KS SCOTT CITY	7271-04	38-29	100-54	2970	1889- 93	1889- 90	1889- 90	1895- 87	
KS SEDAN	7305-09	37-07	96-10	820	1885-100	1885-100	1885-100	1887- 98	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS IN DIGITAL FILE - PRECIP	AVG TEMP	EXT TEMP	XREF
KS WAKEENEY	8495-04	39-01	99-53	2450	1883-102	1883-102	1883-102	1893- 92	
KY ANCHORAGE	0155-02	38-16	85-32	730	1895- 85	1895- 85	1895- 85	1895- 85	
KY BEREA COLLEGE	0619-03	37-34	84-18	1070	1901- 84	1901- 84	1901- 84	1901- 84	
KY BOWLING GREEN FAA AP	0909-02	36-58	86-26	534	1878-107	1878-107	1878-106	1890- 95	
KY FARMERS 2S	2791-03	38-07	83-33	680	1904- 81	1904- 81	1904- 81	1904- 81	CNTY BATH 5/27/64-2/5/75
KY FRANKFORT LOCK 4	3028-03	38-14	84-52	504	1881-103	1882-101	1881-101	1895- 90	
KY GREENSBURG	3430-02	37-15	85-30	590	1887- 98	1887- 98	1892- 93	1896- 89	
KY HOPKINSVILLE	3994-01	36-50	87-30	590	1896- 89	1896- 89	1896- 89	1896- 89	
KY LEITCHFIELD 2N	4703-02	37-31	86-18	620	1895- 90	1895- 90	1895- 90	1895- 90	
KY MIDDLESBORO	5389-04	36-36	83-44	1175	1891- 94	1891- 93	1891- 93	1892- 92	
KY OWENSBORO	6091-01	37-46	87-09	405	1896- 89	1896- 89	1896- 89	1896- 89	
KY SHELBYVILLE 1E	7324-03	38-12	85-12	730	1888- 97	1888- 97	1888- 97	1889- 96	
KY WILLIAMSBURG	8706-04	36-44	84-10	933	1887- 71	1887- 71	1892- 64	1893- 63	TO 8709
KY WILLIAMSBURG	8709-04	36-44	84-09	1000	1951- 34	1957- 28	1957- 28	1957- 28	FROM 8706
KY WILLIAMSTOWN 3NW	8714-03	38-39	84-37	940	1902- 83	1902- 83	1902- 83	1902- 83	
LA ALEXANDRIA	0098-05	31-19	92-28	87	1882-101	1882-101	1883-100	1888- 95	
LA AMITE	0205-06	30-43	90-30	180	1882-103	1882-103	1883-102	1888- 97	
LA BASTROP	0537-03	32-47	91-54	140	1893- 63	1893- 63	1893- 63	1893- 63	
LA BATON ROUGE	0549-06	30-32	91-08	64	1822-161	1843-123	1822-140	1889- 95	
LA BUNKIE	1287-05	30-57	92-10	80	1956- 29	1956- 29	1957- 28	1957- 28	FROM 1729
LA CALHOUN EXP STN	1411-02	32-31	92-20	180	1888- 97	1888- 97	1888- 97	1690- 95	
LA CHENEYVILLE 1NE	1729-05	31-01	92-17	64	1882- 75	1882- 75	1882- 75	1889- 68	TO 1287
LA COVINGTON 4NNW	2151-06	30-32	90-07	40	1892- 93	1892- 93	1892- 93	1893- 92	
LA DONALDSONVILLE	2534-09	30-07	90-59	40	1884-101	1884-100	1884- 99	1888- 97	
LA FRANKLIN 3NW	3313-08	29-49	91-33	12	1882- 97	1882- 97	1882- 97	1892- 93	
LA HOUMA	4407-09	29-35	90-44	15	1888- 97	1888- 97	1888- 96	1888- 97	
LA JENNINGS	4700-07	30-12	92-40	25	1897- 88	1897- 88	1897- 88	1897- 88	CNTY CALCASIEU PRE 3/192
LA KROTZ SPRINGS 2N	4945-05	30-34	91-45	40	1974- 11	1984- 1	1984- 1	1984- 1	FROM 6117 1/84
LA LAFAYETTE CAA AP	5026-08	30-12	91-59	38	1884-101	1884-101	1884-101	1889- 96	
LA MELVILLE	6117-05	30-41	91-44	30	1885-100	1885- 99	1888- 96	1889- 95	TO 4945 1/84
LA NEW ORLEANS AUDUBON	6664-09	29-55	90-08	6	1962- 23	1962- 23	1962- 23	1962- 23	FROM 6665
LA NEW ORLEANS AUDUBON	6665-09	29-55	90-08	10	1888- 75	1888- 75	1888- 75	1888- 75	TO 6664
LA PLAIN DEALING	7344-01	32-54	93-41	291	1892- 93	1892- 93	1892- 93	1892- 93	
LA ST JOSEPH EXP STN	8163-03	31-57	91-14	78	1884- 85	1884- 83	1884- 83	1907- 78	
LA SCHRIEVER	8295-09	29-44	90-49	15	1892- 83	1892- 83	1892- 83	1892- 83	FROM & TO 9013
LA THIBODAUX 3ESE	9013-09	29-46	90-47	15	1884- 25	1884- 25	1974- 11	1974- 11	TO & FROM 8295
LA WINNSBORO 5SSE	9806-03	32-06	91-43	75	1890- 65	1890- 64	1890- 64	1890- 64	
ME FARMINGTON	2765-02	44-41	70-09	420	1889- 96	1889- 96	1889- 96	1891- 94	
ME GARDINER	3046-02	44-13	69-47	140	1837-147	1837-145	1837-144	1885- 99	
ME HOULTON	3897-01	46-08	67-50	410	1829-109	1836-101	1829-108	1892- 87	
ME LEWISTON	4566-02	44-06	70-13	180	1886- 99	1886- 99	1886- 99	1886- 99	
ME MILLINOCKET	5304-01	45-39	68-42	360	1903- 82	1903- 82	1903- 82	1903- 82	
ME ORONO	6430-02	44-54	68-40	155	1869-116	1869-115	1870-114	1885- 99	
ME PRESQUE ISLE	6937-01	46-39	68-00	599	1909- 76	1909- 76	1909- 76	1909- 76	
ME RIPOGENUS DAM	7174-01	45-53	69-11	965	1915- 70	1925- 60	1925- 60	1925- 60	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
ME WOODLAND	9891-02	45-09	67-24	140	1917- 68	1917- 68	1920- 65	1920- 65	
MD CAMBRIDGE WATER TRMT PLANT	1385-02	38-34	76-04	5	1892- 91	1893- 89	1893- 89	1893- 89	
MD COLLEGE PARK	1995-04	38-59	76-57	90	1861-124	1861- 98	1894- 91	1894- 91	
MD EASTON POLICE BARRACKS	2700-02	38-45	76-04	40	1891- 87	1891- 87	1891- 87	1893- 85	
MD GLEN DALE BELL STATION	3675-04	38-58	76-48	150	1921- 64	1921- 64	1921- 64	1921- 64	
MD LAUREL 3W	5111-04	39-06	76-54	400	1895- 90	1895- 90	1895- 87	1895- 87	
MD MILLINGTON 2WNW	5985-05	39-16	75-52	30	1898- 87	1899- 85	1898- 86	1898- 86	
MD OAKLAND 1SE	6620-08	39-24	79-24	2420	1893- 86	1893- 86	1893- 86	1893- 86	
MD PRINCESS ANNE	7330-01	38-13	75-41	20	1823-160	1894- 89	1823-107	1894- 89	
MD SALISBURY	8000-01	38-22	75-35	10	1906- 79	1906- 79	1906- 79	1906- 79	
MD SOLOMONS	8405-03	38-19	76-27	12	1892- 93	1892- 92	1892- 92	1892- 92	
MD WESTMINSTER	9435-06	39-33	76-59	860	1893- 76	1893- 71	1893- 70	1895- 69	TO 9440
MD WESTMINSTER POLICE BRKS	9440-06	39-33	76-58	765	1979- 6	1979- 6	1979- 6	1979- 6	FROM 9435
MD WOODSTOCK COLLEGE	9750-06	39-20	76-52	460	1870-115	1870-114	1870-114	1891- 93	
MA AMHERST	0120-02	42-23	72-32	150	1835-150	1835-150	1836-149	1893- 92	
MA BEDFORD	0535-02	42-29	71-17	160	1957- 28	1957- 28	1957- 28	1957- 28	FROM 4162
MA BLUE HILL OBSERVATORY	0736-02	42-13	71-07	629	1831-154	1885-100	1831-151	1885-100	
MA CHESTNUT HILL	1447-02	42-20	71-09	120	1873-112	1873-112	1884-101	1884-101	
MA CLINTON	1561-02	42-24	71-41	398	1887- 94	1887- 94	1905- 80	1905- 80	
MA CONCORD	1622-02	42-27	71-22	139	1885- 65	1885- 65	1885- 64	1893- 57	TO 4162
MA FRAMINGHAM	2975-02	42-17	71-25	170	1843-109	1843-106	1884-101	1884-101	
MA LAWRENCE	4105-02	42-42	71-10	57	1856-126	1856-126	1856-126	1885-100	
MA LEXINGTON	4162-02	42-27	71-12	200	1951- 6	1951- 6	1951- 6	1951- 6	FROM 1622 & TO 0535
MA NEW BEDFORD	5246-03	41-38	70-56	70	1812-173	1813-172	1812-172	1885- 99	
MA PLYMOUTH	6486-03	41-57	70-40	90	1886- 99	1886- 99	1886- 99	1903- 81	
MA TAUNTON	8367-03	41-54	71-04	20	1871-114	1874-111	1871-114	1884-101	
MI ADRIAN 2NNE	0032-10	41-55	84-01	754	1870-115	1870-110	1870-114	1887- 98	
MI ALLEGAN	0128-08	42-31	85-50	670	1886- 99	1888- 97	1890- 95	1890- 95	
MI ALMA	0146-06	43-23	84-40	760	1887- 98	1887- 98	1887- 98	1887- 98	
MI ANN ARBOR UNIV OF MI	0230-10	42-18	83-43	900	1849-116	1849-116	1854-108	1889- 96	
MI BIG RAPIDS WATERWORKS	0779-06	43-42	85-29	930	1887- 93	1887- 93	1887- 93	1887- 93	
MI CHATHAM EXP FARM	1484-02	46-21	86-56	875	1900- 85	1900- 85	1900- 85	1900- 85	
MI CHEBOYGAN	1492-04	45-39	84-28	590	1890- 95	1890- 95	1890- 95	1890- 95	
MI COLDWATER STATE SCHOOL	1675-09	41-57	85-00	984	1868-105	1868-103	1868-102	1887- 90	
MI EAST TAWAS	2423-04	44-17	83-30	586	1883- 97	1883- 93	1883- 94	1887- 93	
MI FAYETTE 3SW	2737-02	45-41	86-42	765	1920- 65	1920- 65	1920- 65	1920- 65	
MI HART	3632-05	43-42	86-22	675	1887- 98	1887- 98	1887- 97	1887- 97	
MI HILLSDALE	3823-09	41-56	84-38	1080	1880- 99	1881- 98	1880- 99	1897- 88	
MI IRON MOUNTAIN KINGSFORD WWTP	4090-01	45-47	88-05	1060	1899- 86	1899- 86	1899- 86	1899- 86	
MI IRONWOOD	4104-01	46-27	90-11	1430	1901- 84	1901- 84	1901- 84	1901- 84	
MI ISHPEMING	4127-01	46-29	87-39	1436	1898- 87	1898- 87	1898- 87	1898- 87	
MI KALAMAZOO STATE HOSPITAL	4244-08	42-17	85-36	945	1876-109	1876-109	1876-109	1892- 93	
MI MIDLAND	5434-06	43-37	84-13	642	1970- 15	1970- 15	1970- 15	1970- 15	FROM 5436
MI MIDLAND #2	5436-06	43-36	84-14	645	1896- 89	1896- 74	1896- 74	1896- 74	TO 5434
MI MOUNT CLEMENS ANG BASE	5650-10	42-36	82-49	580	1896- 89	1896- 88	1896- 88	1896- 89	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS IN DIGITAL PRECIP	AVG TEMP	EXT TEMP	XREF
MI MOUNT PLEASANT UNIVERSITY	5662-06	43-35	84-46	796	1887- 90	1887- 91	1887- 88	1895- 86	
MI MUNISING	5690-02	46-24	86-39	620	1896- 89	1896- 88	1896- 89	1896- 89	
MI NEWBERRY STATE HOSPITAL	5816-02	46-20	85-30	875	1896- 89	1896- 89	1896- 88	1896- 89	
MI CWOSSO WASTEWATER PLANT	6300-09	43-01	84-11	738	1896- 89	1896- 89	1896- 89	1896- 89	
MI SOUTH HAVEN	7690-08	42-24	86-17	620	1895- 90	1895- 90	1895- 90	1895- 90	
MI STAMBAUGH IS	7812-01	46-04	88-38	1485	1896- 89	1896- 89	1896- 89	1896- 89	
MN ADA	0018-01	47-18	96-31	906	1892- 82	1892- 81	1892- 82	1893- 81	
MN ALBERT LEA 3SE	0075-08	43-37	93-25	1230	1885-100	1885- 96	1885- 96	1892- 93	
MN BAUDETTE	0515-02	48-43	94-37	1075	1908- 77	1909- 76	1909- 76	1909- 76	CNTY BELTRAMI PRE 1928
MN BIRD ISLAND	0783-05	44-46	94-54	1089	1885- 88	1885- 88	1885- 88	1892- 85	TO 6152
MN CLOQUET	1630-06	46-42	92-31	1265	1911- 74	1911- 74	1911- 74	1911- 74	
MN DETROIT LAKES INNE	2142-01	46-50	95-51	1375	1895- 90	1895- 90	1895- 90	1895- 90	
MN FAIRMONT	2698-08	43-38	94-28	1187	1887- 98	1887- 98	1887- 98	1891- 94	
MN FARMINGTON 3NW	2737-09	44-40	93-11	980	1888- 97	1888- 97	1888- 97	1891- 94	
MN FOSSTON	2916-01	47-34	95-45	1310	1909- 76	1909- 76	1909- 76	1909- 76	
MN GRAND MEADOW	3290-09	43-42	92-34	1350	1887- 98	1886- 99	1887- 98	1892- 93	
MN HALLOCK	3455-01	48-46	96-57	820	1899- 86	1899- 86	1899- 86	1899- 86	
MN ITASCA U OF MN	4106-01	47-13	95-12	1490	1911- 74	1911- 74	1911- 74	1911- 74	
MN LEECH LAKE DAM	4652-02	47-15	94-13	1302	1887- 98	1887- 98	1887- 98	1897- 88	
MN MAPLE PLAIN	5136-06	45-00	93-39	970	1892- 93	1887- 95	1892- 93	1893- 92	
MN MILAN INW	5400-04	45-08	95-56	1020	1893- 92	1893- 92	1893- 92	1893- 92	
MN MINNEAPOLIS WSFO AP	5435-06	44-53	93-13	834	1819-166	1836-149	1819-166	1890- 95	
MN MONTEVIDEO ISW	5563-04	44-56	95-45	985	1889- 96	1889- 96	1889- 96	1893- 92	CNTY CHIPPEWA PRE 1960
MN MORA	5615-06	45-53	93-18	990	1904- 81	1904- 81	1904- 81	1904- 81	
MN MORRIS WC EXPERIMENT STATION	5638-04	45-35	95-55	1140	1885-100	1885-100	1885-100	1886- 99	
MN NEW ULM	5887-08	44-18	94-27	860	1864-106	1864-107	1864-106	1893- 92	
MN OLIVIA	6152-05	44-47	94-59	1094	1976- 9	1976- 9	1976- 9	1976- 9	FROM 0783
MN PARK RAPIDS	6360-02	46-55	95-04	1434	1885-100	1885- 95	1885- 95	1893- 92	
MN PINE RIVER DAM	6547-06	46-40	94-07	1250	1887- 98	1887- 98	1887- 98	1897- 88	
MN PIPESTONE	6565-07	44-01	96-19	1705	1898- 87	1892- 89	1899- 86	1899- 86	
MN POKEGAMA DAM	6612-02	47-15	93-35	1280	1887- 98	1887- 98	1887- 98	1897- 88	
MN ROSEAU 1E	7087-01	48-51	95-45	1047	1894- 82	1894- 82	1894- 82	1895- 81	
MN SAINT PETER 2SW	7405-08	44-18	93-58	850	1877-105	1887- 97	1877-100	1893- 92	
MN SANDY LAKE DAM LIBRY	7460-06	46-48	93-19	1234	1892- 93	1892- 93	1892- 93	1897- 88	
MN TWO HARBORS	8419-03	47-01	91-40	625	1894- 91	1894- 91	1894- 91	1894- 91	
MN VIRGINIA	8543-03	47-30	92-33	1435	1893- 92	1893- 92	1893- 92	1893- 92	
MN WALKER AH-GWAH-CHING	8618-01	47-04	94-35	1407	1907- 78	1907- 78	1907- 78	1907- 78	
MN WINNEBAGO	9046-08	43-46	94-10	1110	1894- 91	1894- 91	1894- 91	1895- 90	
MN WINNIBIGOSHISH DAM	9059-02	47-26	94-03	1315	1887- 98	1887- 98	1887- 98	1897- 88	
MN ZUMBROTA	9249-09	44-18	92-40	985	1894- 91	1893- 87	1895- 90	1903- 82	
MS ABERDEFN	0021-06	33-50	88-33	207	1882-103	1882-103	1882-103	1889- 96	
MS BATESVILLE 2SW	0488-02	34-18	89-59	215	1882-103	1882-103	1882-103	1889- 96	
MS BAY ST LOUIS	0519-10	30-18	89-20	20	1833- 93	1890- 89	1833- 92	1890- 89	TO 9426
MS BILOXI(CITY)	0792-10	30-24	88-54	15	1887- 94	1887- 94	1887- 94	1893- 92	
MS BOONEVILLE	0955-03	34-40	88-34	490	1889- 93	1889- 93	1889- 93	1889- 93	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
MS BROOKHAVEN CITY	1094-07	31-33	90-27	425	1868-117	1869-113	1868-109	1889- 96	
MS CANTON	1389-05	32-36	90-02	228	1882-103	1882-103	1890- 95	1890- 95	
MS CLARKSDALE	1707-01	34-12	90-34	173	1892- 83	1892- 83	1892- 83	1892- 83	
MS COLUMBIA	1865-08	31-15	89-50	155	1903- 82	1903- 82	1903- 73	1903- 73	
MS COLUMBUS	1870-06	33-28	88-22	205	1855-125	1855-125	1855-120	1890- 92	TO 1880
MS COLUMBUS LUXAPALLILA	1880-06	33-31	88-24	142	1981- 4	1981- 4	1981- 4	1981- 4	FROM 1870
MS CORINTH CITY	1962-03	34-55	88-31	385	1882-103	1882-103	1883-102	1895- 90	
MS CRYSTAL SPRINGS EXP STN	2094-07	31-58	90-22	487	1892- 64	1892- 63	1892- 63	1892- 63	TO 2099
MS CRYSTAL SPRINGS 4NNE	2099-07	32-02	90-19	374	1954- 31	1954- 31	1954- 31	1954- 31	FROM & TO 2094
MS FOREST	3107-05	32-19	89-29	480	1933- 52	1933- 52	1933- 52	1933- 52	FROM 4824
MS GREENVILLE	3605-04	33-23	91-01	132	1887- 98	1887- 98	1887- 98	1889- 96	
MS HATTIESBURG	3887-09	31-19	89-18	161	1890- 95	1890- 94	1890- 94	1890- 94	CNTY PERRY PRE 1910
MS HERNANDO	3975-02	34-50	90-00	363	1882-102	1882-102	1882-102	1889- 95	
MS HOLLY SPRINGS 2N	4168-02	34-47	89-26	495	1867- 86	1867- 84	1867- 81	1889- 72	TO 4173
MS HOLLY SPRINGS 4N	4173-02	34-49	89-26	483	1931- 54	1948- 28	1961- 24	1961- 24	FROM 4168 IN 1962
MS KOSCIUSKO	4776-05	33-03	89-36	420	1889- 96	1889- 96	1889- 96	1889- 96	
MS LAKE	4824-05	32-21	89-20	471	1882- 52	1882- 52	1882- 52	1889- 45	TO 3107
MS LAUREL	4939-09	31-41	89-07	225	1902- 83	1902- 83	1902- 83	1902- 83	
MS LOUISVILLE	5247-06	33-08	89-04	581	1888- 97	1888- 97	1888- 97	1889- 96	
MS MCNEILL	5687-02	30-40	89-38	230	1903- 17	1903- 17	1903- 17	1903- 17	TO 7128
MS MONTICELLO	5987-08	31-33	90-06	220	1907- 78	1907- 78	1907- 78	1907- 78	
MS MOORHEAD	6009-04	33-27	90-31	117	1913- 72	1913- 72	1913- 72	1913- 72	
MS NATCHEZ	6177-07	31-33	91-23	195	1799-137	1799-127	1799-134	1889- 96	
MS PONTOTOC 5E	7106-03	34-16	88-55	440	1889- 95	1889- 95	1889- 84	1889- 84	TO 7111
MS PONTOTOC EXP STN	7111-03	34-09	89-00	405	1953- 32	1953- 32	1953- 32	1953- 32	FROM 7106
MS POPLARVILLE EXP STN	7128-10	30-51	89-33	313	1919- 66	1919- 66	1919- 66	1919- 66	FROM 5687
MS PORT GIBSON	7132-07	31-58	91-00	120	1855-103	1855-103	1855-103	1889- 96	
MS ROSEDALE	7582-01	33-51	91-01	150	1894- 79	1894- 79	1894- 71	1894- 71	
MS STATE UNIVERSITY	8374-06	33-28	88-47	185	1882-103	1884-101	1886- 99	1889- 96	
MS UNIVERSITY	9079-02	34-23	89-32	380	1854-104	1855-103	1854-104	1889- 96	
MS WATER VALLEY 1NNE	9400-02	34-10	89-38	380	1886- 99	1886- 99	1889- 96	1889- 94	
MS WAVELAND	9426-10	30-18	89-23	8	1982- 3	1982- 3	1982- 3	1982- 3	FROM 0519
MS WAYNESBORO 2W	9439-09	31-41	88-40	197	1954- 31	1954- 31	1954- 31	1954- 31	FROM 9444
MS WAYNESBORO 3WNW	9444-09	31-41	88-41	340	1882-103	1882- 89	1882- 72	1891- 63	TO 9439
MS WOODVILLE	9793-07	31-06	91-14	400	1893- 92	1893- 92	1893- 92	1893- 92	
MS YAZOO CITY	9850-04	32-52	90-24	116	1886- 75	1886- 74	1893- 67	1893- 67	TO 9860
MS YAZOO CITY 5NNE	9860-04	32-54	90-23	107	1959- 26	1960- 25	1960- 25	1960- 25	FROM 9850
MO APPLETON CITY	0204-03	38-12	94-02	800	1889- 96	1889- 96	1890- 95	1893- 91	
MO ARCADIA	0224-05	37-35	90-37	926	1878-107	1878-107	1878-105	1896- 89	
MO BRUNSWICK	1037-01	39-25	93-07	660	1874-108	1874-107	1889- 96	1893- 92	
MO CAPUTHERSVILLE	1364-06	36-12	89-40	280	1878- 96	1878- 96	1893- 91	1898- 87	
MO CLINTON	1711-03	38-22	93-46	790	1906- 79	1906- 79	1906- 79	1906- 79	
MO CONCEPTION	1822-01	40-15	94-41	1108	1883-102	1883-102	1888- 97	1893- 92	
MO DONIPHAN	2289-05	36-35	90-49	330	1904- 81	1904- 81	1904- 81	1904- 81	
MO HARRISONVILLE	3649-03	38-39	94-20	900	1863-114	1863-114	1863-109	1893- 92	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS IN DIGITAL FILE - PRECIP	AVG TEMP	EXT TEMP	XREF
MO JEFFERSON CITY WATER PLANT	4271-03	38-35	92-09	670	1891- 94	1891- 94	1891- 94	1893- 92	
MO LAMAR	4705-04	37-30	94-16	980	1877-108	1877-105	1885- 98	1893- 92	
MO LEBANON 2W	4825-04	37-40	92-39	1279	1878- 98	1878- 98	1890- 95	1893- 92	
MO LEXINGTON 3NE	4904-01	39-12	93-52	825	1875-110	1875-106	1878-103	1896- 89	
MO LOCKWOOD	5027-04	37-23	93-57	1078	1903- 82	1904- 81	1904- 81	1904- 81	
MO LOUISIANA STARK'S NURSERY	5093-02	39-26	91-04	469	1878-106	1878-106	1883- 94	1897- 88	
MO MACON	5175-01	39-43	92-28	855	1899- 86	1899- 86	1899- 86	1899- 86	
MO MARBLE HILL	5253-05	37-18	89-58	390	1891- 94	1893- 92	1891- 94	1893- 91	
MO MEXICO	5541-02	39-11	91-53	775	1878-107	1893- 92	1892- 93	1893- 92	
MO MOUNTAIN GROVE	5834-04	37-09	92-16	1450	1901- 84	1901- 84	1901- 84	1901- 84	
MO NEOSHO	5976-04	36-52	94-22	1011	1878- 97	1893- 92	1878- 97	1893- 92	
MO ROLLA UNIV OF MO	7263-05	37-57	91-46	1180	1866-102	1896- 88	1867- 84	1907- 76	
MO STEFFENVILLE	8051-02	39-58	91-53	690	1893- 92	1897- 88	1897- 88	1897- 88	
MO TRENTON	8444-01	40-05	93-38	837	1895- 90	1895- 90	1895- 90	1895- 90	
MO UNIONVILLE	8523-01	40-29	93-00	1062	1893- 92	1893- 91	1893- 91	1893- 91	
MO WARRENSBURG 2SSE	8712-03	38-44	93-43	840	1868-108	1896- 87	1868- 99	1899- 85	
MO WARRENTON 1N	8725-02	38-49	91-08	845	1859-107	1893- 91	1859-102	1893- 90	
MO WARSAW #1	8733-03	38-15	93-22	705	1892- 93	1892- 93	1893- 91	1893- 91	
MT AUGUSTA	0364-04	47-29	112-23	4070	1896- 89	1896- 88	1896- 89	1896- 89	
MT BIG TIMBER	0780-05	45-50	109-57	4100	1894- 85	1894- 85	1894- 85	1894- 85	
MT BOZEMAN MONTANA ST UNIV	1044-02	45-40	111-03	4856	1868-111	1868-110	1868-111	1892- 92	
MT CASCADE 5S	1552-04	47-13	111-43	3390	1904- 81	1904- 81	1904- 81	1904- 81	
MT CHINOOK	1722-03	48-35	109-14	2340	1895- 89	1895- 89	1895- 89	1895- 89	CNTY CHOTEAU PRE 1906
MT CROW AGENCY	2112-05	45-36	107-27	3030	1879-106	1879-106	1888- 95	1892- 91	
MT DILLON WMCE	2409-02	45-12	112-38	5228	1895- 87	1895- 90	1895- 89	1895- 87	
MT EKALAKA	2689-07	45-53	104-32	3425	1897- 88	1897- 88	1897- 88	1897- 88	CNTY CUSTER PRE 1930
MT ENNIS	2793-02	45-21	111-43	4953	1917- 68	1918- 67	1918- 67	1918- 67	
MT FLATWILLOW 4ENE	3013-04	46-51	108-19	3138	1913- 72	1913- 72	1913- 72	1913- 72	CNTY FERGUS PRE 1915
MT FORTINE 1N	3139-01	48-47	114-54	3000	1906- 79	1906- 79	1906- 79	1906- 79	CNTY FLATHEAD PRE 1913
MT GLENDIVE	3581-06	47-06	104-43	2076	1889- 96	1889- 96	1889- 96	1891- 94	
MT HAUGAN 3E	3984-01	47-23	115-21	3100	1912- 73	1908- 77	1912- 73	1912- 73	
MT HEBGEN DAM	4038-02	44-52	111-20	6489	1904- 81	1904- 81	1904- 81	1904- 81	
MT HUNTLEY EXPERIMENT STATION	4345-05	45-55	108-15	2989	1906- 79	1906- 79	1906- 79	1906- 79	
MT LIBBY 1NE RS	5015-01	48-24	115-32	2080	1895- 77	1895- 90	1895- 77	1895- 77	
MT LIVINGSTON	5076-05	45-40	110-34	4485	1895- 83	1895- 83	1895- 83	1895- 83	TO 5080
MT LIVINGSTON 12S	5080-05	45-29	110-34	4870	1951- 34	1951- 34	1981- 4	1981- 4	FROM 5076
MT MOCCASIN EXPERIMENT STATION	5761-04	47-03	109-57	4300	1909- 76	1909- 76	1909- 76	1909- 76	
MT NORRIS MADISON POWER HOUSE	6157-02	45-29	111-38	4745	1907- 78	1907- 78	1907- 78	1907- 78	
MT PHILIPSBURG	6470-01	46-20	113-18	5280	1903- 53	1903- 53	1903- 53	1903- 53	TO 6472
MT PHILIPSBURG RS	6472-01	46-19	113-18	5270	1955- 30	1955- 30	1955- 30	1955- 30	FROM 6470
MT PLEVNA	6601-07	46-25	104-30	2765	1912- 73	1912- 73	1912- 73	1912- 73	CNTY CUSTER PRE 1930
MT POPLAR	6660-06	48-07	105-12	1995	1888- 96	1888- 96	1888- 96	1891- 93	CNTY SHERIDAN PRE 1924*
MT RED LODGE	6918-05	45-11	109-15	5575	1894- 90	1894- 89	1894- 88	1894- 89	
MT SAINT IGNATIUS	7286-01	47-19	114-06	2900	1896- 81	1896- 81	1896- 81	1896- 81	CNTY MISSOULA PRE 08/192
MT SAVAGE	7382-06	47-27	104-21	1985	1905- 80	1905- 80	1905- 80	1905- 80	CNTY DAWSON PPE 07/1914

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
MT VALIER	8501-03	48-19	112-15	3805	1911- 74	1911- 74	1911- 74	1911- 74	CNTY TETON PRE 04/1919
MT VIRGINIA CITY	8597-02	45-18	111-57	5758	1871- 96	1871- 96	1888- 86	1891- 83	
NE ALBION	0070-03	41-41	98-00	1760	1892- 91	1892- 91	1892- 91	1893- 90	
NE ALLIANCE	0130-01	42-06	102-52	3980	1889- 95	1889- 95	1889- 86	1900- 81	
NE ASHLAND 3NE	0375-06	41-04	96-20	1067	1883-102	1883-102	1888- 97	1893- 92	CNTY SARPY 2/1943-10/194
NE ATKINSON	0420-02	42-33	98-58	2125	1906- 79	1906- 79	1906- 79	1906- 79	
NE AUBURN SESE	0435-09	40-23	95-45	930	1874-102	1874-102	1874-102	1899- 86	
NE BEATPICE #1	0620-09	40-16	96-45	1235	1891- 94	1891- 94	1891- 94	1893- 92	TO 0622
NE BEATRICE 1M	0622-09	40-18	96-45	1297	1984- 1	1984- 1	1984- 1	1984- 1	FROM 0620
NE BEAVER CITY	0640-08	40-08	99-50	2160	1890- 95	1890- 95	1890- 95	1893- 92	
NE BRIDGEPOPT	1145-01	41-40	103-06	3660	1897- 88	1897- 88	1897- 88	1897- 88	CNTY CHEYENNE PRE 1909
NE BROKEN BOW 2W	1200-05	41-25	99-41	2500	1894- 91	1894- 91	1894- 91	1894- 91	
NE CRETE	2020-09	40-37	96-57	1435	1880-105	1880-105	1882-103	1893- 92	
NE CURTIS 1E	2100-07	40-38	100-30	2585	1893- 92	1893- 92	1893- 92	1893- 92	
NE DAVID CITY	2205-06	41-15	97-08	1615	1888- 97	1888- 97	1888- 97	1897- 88	
NE FAIRBURY 2SSE	2820-09	40-07	97-10	1340	1875-110	1875-110	1892- 93	1895- 90	
NE FAIRMONT	2840-09	40-38	97-35	1640	1894- 91	1894- 91	1894- 91	1896- 89	
NE FRANKLIN	3035-08	40-06	98-58	1855	1887- 98	1888- 97	1888- 97	1888- 97	
NE GENEVA	3175-09	40-32	97-36	1630	1890- 95	1890- 95	1893- 92	1893- 92	
NE GENOA 2W	3185-06	41-27	97-46	1590	1875-110	1875-110	1875-110	1893- 92	
NE GOTHENBURG	3365-05	40-56	100-10	2585	1894- 91	1894- 91	1894- 91	1894- 91	
NE HALSEY 2W	3540-02	41-54	100-19	2705	1903- 82	1903- 82	1903- 82	1903- 82	
NE HARRISON	3615-01	42-41	103-53	4850	1893- 72	1893- 72	1893- 72	1914- 71	
NE HARTINGTON	3630-03	42-36	97-16	1370	1891- 94	1891- 94	1891- 94	1893- 92	
NE HASTINGS	3660-08	40-35	98-21	1925	1880- 97	1880- 97	1890- 93	1907- 78	
NE HAY SPRINGS	3710-01	42-41	102-41	3855	1885-100	1886- 99	1886- 99	1893- 92	
NE HEBRON	3735-09	40-10	97-35	1480	1886- 99	1886- 99	1886- 99	1893- 92	
NE HOLDREGE	3910-08	40-26	99-22	2320	1890- 95	1890- 95	1890- 93	1901- 84	
NE IMPERIAL	4110-07	40-31	101-38	3278	1890- 95	1890- 95	1890- 95	1894- 91	
NE KIMBALL	4440-01	41-14	103-40	4705	1887- 98	1887- 98	1887- 98	1893- 92	
NE LODGEPOLE	4900-01	41-09	102-38	3832	1894- 91	1894- 91	1894- 91	1894- 91	
NE LOUP CITY 1N	4985-05	41-17	98-58	2120	1894- 91	1894- 91	1895- 88	1902- 83	
NE MADISON	5080-03	41-50	97-27	1580	1884- 93	1884- 93	1884- 92	1898- 87	
NE MCCOOK	5310-07	40-12	100-35	2580	1882-101	1882-101	1883- 90	1909- 76	
NE MERRIMAN	5470-02	42-55	101-41	3250	1897- 80	1898- 78	1915- 69	1915- 69	
NE MINDEN	5565-08	40-30	98-57	2170	1878-107	1878-107	1884-100	1900- 85	
NE NORTH LOUP	6040-05	41-30	98-46	1960	1887- 98	1887- 98	1888- 97	1895- 89	
NE OAKDALE	6135-03	42-04	97-57	1720	1883-101	1883-101	1888- 97	1893- 92	
NE PAWNEE CITY	6570-09	40-06	96-09	1185	1878- 90	1878- 90	1882- 85	1903- 82	
NE PURDUM	6970-02	42-04	100-15	2690	1902- 83	1902- 83	1902- 83	1902- 83	
NE RED CLOUD	7070-08	40-06	98-31	1720	1872- 96	1872- 96	1872- 93	1901- 84	
NE SAINT PAUL	7515-05	41-12	98-27	1796	1895- 90	1896- 89	1895- 89	1900- 85	
NE SEWARD	7715-06	40-54	97-05	1480	1885- 96	1885- 96	1885- 92	1900- 81	
NE SYRACUSE	8395-09	40-40	96-11	1100	1871-111	1871-111	1871-111	1894- 91	
NE TECUMSEH	8465-09	40-22	96-11	1130	1878-107	1878-107	1884-101	1893- 92	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS - PRECIP	IN DIGITAL FILE - AVG TEMP	EXT TEMP	XREF
NE TEKAMAH 1S	8480-03	41-45	96-14	1040	1890-95	1890-95	1890-95	1893-92	
NE WAKEFIELD	8915-03	42-16	96-52	1413	1894-91	1894-91	1897-88	1897-88	
NE WEEPING WATER	9090-06	40-52	96-09	1100	1878-107	1878-107	1882-97	1907-78	
NE YORK	9510-06	40-52	97-36	1610	1864-99	1884-99	1892-93	1901-84	
NV BATTLE MOUNTAIN	0688-02	40-39	116-56	4513	1870-76	1870-76	1870-76	1902-44	TO 0691
NV BATTLE MOUNTAIN AP	0691-02	40-35	116-54	4539	1944-41	1931-54	1944-41	1944-41	FROM 0688
NV ELKO FAA AP	2573-02	40-50	115-47	5075	1870-115	1870-115	1870-115	1888-94	
NV FALLON EXPERIMENT STATION	2780-01	39-27	118-47	3965	1889-92	1889-92	1889-92	1889-92	
NV GOLCONDA	3245-01	40-57	117-29	4392	1870-114	1878-107	1878-106	1906-78	
NV LOVELOCK	4698-01	40-11	118-28	3975	1888-96	1888-95	1888-95	1902-80	CNTY HUMBOLDT PRE 05/191
NV MINA	5168-03	38-23	118-06	4552	1889-92	1896-89	1889-92	1896-89	CNTY ESERALDA PRE 1923
NV SEARCHLIGHT	7369-04	35-28	114-55	3540	1913-72	1914-71	1913-72	1913-72	
NH BETHLEHEM	0703-01	44-17	71-41	1380	1892-93	1892-93	1892-93	1892-93	
NH DUPHAM	2174-02	43-09	70-57	74	1892-93	1892-93	1892-93	1893-92	
NH HANOVER	3850-02	43-42	72-17	603	1834-151	1834-150	1834-151	1889-96	
NH KEENE	4399-02	42-55	72-16	480	1893-92	1893-92	1893-92	1893-92	
NJ ATLANTIC CITY STATE MARINA	0325-03	39-23	74-26	10	1873-112	1874-111	1874-111	1874-111	
NJ BELVIDERE	0729-01	40-50	75-05	275	1881-95	1881-95	1891-91	1893-89	SEE 0734
NJ BELVIDERE	0734-01	40-50	75-05	263	1936-49	1982-3	1982-3	1982-3	SEE 0729
NJ BOONTON 1SE	0907-01	40-54	74-24	280	1892-87	1892-87	1893-79	1893-79	
NJ CHARLOTTEBURG	1582-01	41-02	74-26	760	1893-92	1893-92	1893-92	1893-92	
NJ FLEMINGTON	3029-01	40-30	74-52	180	1879-92	1879-92	1898-87	1898-87	
NJ HIGHTSTOWN 2W	3951-02	40-16	74-34	100	1891-94	1891-94	1891-94	1892-93	
NJ INDIAN MILLS 2W	4229-02	39-48	74-47	100	1901-84	1901-84	1901-84	1901-84	
NJ LONG BRANCH OAKHURST	4987-03	40-16	74-00	30	1874-81	1874-79	1874-79	1907-76	
NJ MOORESTOWN	5728-02	39-58	74-58	45	1863-122	1865-120	1863-122	1893-92	
NJ NEW BRUNSWICK 3SE	6055-02	40-28	74-26	86	1968-17	1968-17	1968-17	1968-17	FROM 6062
NJ NEW BRUNSWICK EXPERIMENT STN	6062-02	40-28	74-26	86	1847-122	1854-115	1863-98	1892-77	TO 6055
NJ PLAINFIELD	7079-01	40-36	74-24	90	1887-98	1887-97	1888-96	1892-92	
NJ TUCKERTON	8899-02	39-36	74-20	20	1898-87	1898-86	1898-86	1898-86	
NM AGRICULTURAL COLLEGE	0131-08	32-17	106-45	3881	1851-102	1851-102	1851-97	1892-68	TO 8535
NM AZTEC RUINS NATL MONUMENT	0692-01	36-50	108-00	5644	1895-83	1895-83	1895-74	1895-74	
NM BELL RANCH	0858-03	35-32	104-06	4500	1899-86	1899-86	1904-81	1904-80	
NM CARLSBAD	1469-07	32-25	104-14	3120	1894-91	1894-91	1894-91	1900-85	
NM CIMARRON 4SW	1813-02	36-28	104-57	6542	1904-81	1904-81	1904-81	1904-81	
NM CLAYTON WSO AP	1887-03	36-27	103-09	4669	1896-79	1896-80	1896-80	1896-79	
NM ELEPHANT BUTTE DAM	2848-05	33-09	107-11	4576	1908-77	1907-78	1908-77	1908-77	
NM FORT BAYARD	3265-04	32-48	108-09	6142	1867-118	1867-118	1867-114	1895-90	
NM GAGE 4ESE	3368-08	32-13	108-01	4410	1899-84	1899-84	1906-77	1906-77	
NM JEMEZ SPRINGS	4369-02	35-46	106-41	6262	1910-75	1910-75	1910-75	1910-75	
NM JORNADA EXPERIMENTAL RANGE	4426-08	32-37	106-44	4266	1914-71	1914-71	1914-71	1914-71	
NM LUNA RS	5273-04	33-50	108-56	7050	1900-85	1900-85	1900-85	1900-84	CNTY SOCORRO PRE 1927
NM OROGRANDE	6435-08	32-23	106-06	4179	1904-79	1904-79	1904-68	1904-68	
NM RED RIVER	7323-02	36-42	105-24	8676	1906-79	1906-79	1906-77	1906-77	
NM SAN JON	7867-03	35-07	103-20	4230	1907-78	1907-78	1907-78	1907-78	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
NM SOCORRO	8387-05	34-05	106-53	4585	1849- 99	1849-100	1849- 99	1893- 91	
NM STATE UNIVERSITY	8535-08	32-17	106-45	3881	1959- 26	1959- 26	1959- 26	1959- 26	FROM 0131
NM TUCUMCARI 4NE	9156-03	35-12	103-41	4086	1904- 81	1904- 81	1904- 81	1904- 81	
NM TULAROSA	9165-08	33-05	106-03	4430	1908- 77	1908- 77	1908- 76	1908- 72	
NY ADDISON	0023-01	42-06	77-13	1025	1890- 89	1890- 89	1890- 89	1895- 84	SEE 9571 WOODHULL
NY ALBANY WSFOAP	0042-05	42-45	73-48	275	1930- 55	1938- 47	1938- 47	1938- 47	SEE 0047
NY ALBANY	0047-05	42-39	73-45	0	1795-169	1826-140	1795-147	1874- 94	SEE 0042
NY ALFRED	0085-01	42-15	77-47	1780	1852-106	1852- 94	1852- 89	1893- 84	
NY ALLEGANY STATE PARK	0093-01	42-06	78-45	1500	1924- 61	1924- 61	1924- 61	1924- 61	
NY ANGELICA	0183-01	42-18	78-01	1420	1854-131	1856-104	1854-106	1893- 92	
NY AUBURN 2NE	0321-10	42-56	76-32	765	1827-120	1827-114	1827-118	1897- 83	
NY BAINBRIDGE 2E	0360-02	42-17	75-27	994	1907- 77	1908- 75	1936- 47	1936- 47	
NY BATAVIA	0443-09	42-59	78-11	890	1912- 73	1931- 54	1932- 53	1932- 53	
NY BINGHAMTON WSO AP	0687-02	42-13	75-59	1600	1951- 34	1951- 34	1951- 34	1951- 34	SEE 0691
NY BINGHAMTON	0691-02	42-06	75-55	858	1890- 79	1890- 79	1890- 79	1890- 79	SEE 0687
NY BRIDGEHAMPTON	0889-04	40-57	72-18	60	1930- 55	1930- 55	1930- 55	1930- 55	
NY BROCKPORT 2NW	0937-09	43-15	77-58	413	1890- 87	1890- 86	1890- 86	1893- 83	
NY BUFFALO WSCMO AP	1012-09	42-56	78-44	705	1831-139	1832-135	1831-137	1873-112	
NY CANTON 4SE	1185-08	44-34	75-07	440	1854-128	1855-115	1854-125	1893- 88	
NY CARMEL 1SW	1207-05	41-25	73-42	490	1888- 97	1888- 97	1888- 96	1893- 91	
NY CHASM FALLS	1387-08	44-45	74-13	1060	1926- 58	1926- 58	1927- 54	1927- 54	
NY CHAZY	1401-07	44-53	73-26	170	1891- 91	1891- 88	1899- 86	1902- 83	
NY COOPERSTOWN	1752-02	42-42	74-55	1200	1854-131	1854-131	1854-131	1893- 92	
NY CORTLAND	1799-02	42-36	76-11	1129	1829-128	1850-107	1892- 93	1892- 93	
NY DANNEMORA	1966-07	44-43	73-43	1340	1906- 79	1906- 79	1906- 79	1906- 79	
NY DANSVILLE	1974-10	42-34	77-42	685	1917- 66	1917- 66	1918- 64	1918- 64	
NY ELMIRA 2SE	2610-01	42-05	76-47	840	1851-107	1851-107	1852- 97	1894- 91	
NY FREDONIA	3033-09	42-27	79-18	760	1829-105	1830- 92	1829- 94	1914- 71	
NY GENEVA EXP STATION	3177-10	42-53	77-00	590	1850-129	1850-106	1852- 94	1892- 58	MOVED TO 3184
NY GENEVA RESR FM	3184-10	42-53	77-02	718	1968- 17	1968- 17	1968- 17	1968- 17	MOVED FROM 3177
NY GLENHAM	3259-05	41-31	73-56	275	1932- 53	1932- 53	1932- 53	1932- 53	
NY GLOVERSVILLE	3319-06	43-03	74-20	870	1892- 93	1892- 93	1892- 93	1893- 92	
NY GREENFIELD CENTER	3452-05	43-07	73-50	610	1903- 53	1903- 53	1903- 53	1903- 53	MOVED TO 7484
NY HEMLOCK	3773-10	42-47	77-37	902	1898- 87	1898- 87	1898- 87	1898- 87	
NY INDIAN LAKE 2SW	4102-03	43-45	74-17	1660	1899- 86	1899- 86	1899- 86	1899- 86	
NY ITHACA CORNELL UN	4174-10	42-27	76-27	960	1918- 67	1918- 66	1918- 66	1918- 66	SEE 4178
NY ITHACA	4178-10	42-27	76-29	929	1827- 97	1828- 87	1827- 92	1893- 51	SEE 4174
NY LAKE PLACID 2S	4555-03	44-15	73-59	1940	1897- 80	1897- 80	1897- 80	1897- 80	
NY LAWRENCEVILLE	4647-08	44-45	74-39	500	1931- 54	1931- 54	1931- 54	1931- 54	
NY LITTLE FALLS CITY RESER	4791-06	43-04	74-52	900	1897- 88	1897- 88	1897- 88	1897- 88	
NY LITTLE FALLS MILL ST	4796-06	43-02	74-52	360	1897- 88	1897- 75	1897- 49	1897- 49	
NY LOCKPORT 2NE	4844-09	43-11	78-39	520	1848-104	1870-101	1848-104	1893- 92	
NY LOWVILLE	4912-03	43-48	75-29	860	1827-133	1827-127	1827-127	1892- 93	
NY MOHONK LAKE	5426-05	41-46	74-09	1245	1896- 89	1896- 89	1896- 89	1896- 89	
NY MORRISVILLE 3S	5512-02	42-51	75-39	1390	1911- 73	1911- 70	1911- 70	1911- 70	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL PRECIP	YEARS IN DIGITAL FILE AVG TEMP	EXT TEMP	XREF
NY NEW YOPK CENTRAL PARK	5801-04	40-47	73-58	130	1821-164	1836-148	1821-164	1944- 41	
NY NORWICH	6085-02	42-32	75-32	1020	1906- 79	1906- 79	1906- 77	1906- 77	
NY OGDENBURG 4NE	6164-08	44-44	75-26	280	1838-106	1838-105	1838- 96	1893- 92	
NY ONEONTA 1S	6224-02	42-27	75-04	1080	1894- 61	1894- 61	1894- 61	1894- 61	MOVED TO 6225
NY ONEONTA	6225-02	42-27	75-04	1150	1954- 19	1954- 5	1954- 5	1954- 5	FROM 6224, SEE 6229&6232
NY ONEONTA	6229-02	42-27	75-00	1163	1940- 32	1948- 22	1948- 22	1948- 22	SEE 6225 & 6232
NY ONEONTA STATE UNIV	6232-02	42-28	75-04	1400	1971- 13	1971- 13	1971- 13	1971- 13	SEE 6225 & 6229
NY OSWEGO	6314-09	43-28	76-30	350	1844-141	1844-138	1844-138	1889- 96	
NY PENN YAN	6510-10	42-40	77-04	720	1829-136	1829-131	1829-109	1897- 76	
NY PLATTSBURGH AFB	6659-07	44-39	73-28	165	1839-104	1840-103	1839- 96	1895- 56	
NY PORT JERVIS	6774-02	41-23	74-41	470	1880-102	1880-101	1880-101	1893- 92	
NY POUGHKEEPSIE	6817-05	41-41	73-56	103	1828- 77	1830-69	1828- 73	1893- 52	SEE 6820
NY POUGHKEEPSIE FAA AP	6820-05	41-38	73-53	155	1932- 53	1948- 37	1948- 37	1948- 37	SEE 6817
NY ROCHESTER AIRPORT	7167-09	43-07	77-40	547	1829-156	1829-155	1830-154	1872-113	
NY SARATOGA SPRINGS 4SW	7484-05	43-02	73-49	310	1955- 30	1955- 30	1955- 30	1955- 30	MOVED FROM 3452
NY SCARSDALE	7497-04	40-59	73-48	199	1904- 81	1904- 81	1904- 81	1904- 81	
NY SCHENECTADY	7513-05	42-50	73-55	220	1898- 72	1829- 62	1829- 63	1898- 46	
NY SETAUKET STRONG	7633-04	40-58	73-06	40	1885-100	1885-100	1885-100	1885-100	
NY SOUTH WALES EMERY PARK	8058-09	42-43	78-36	1090	1931- 54	1931- 52	1931- 50	1931- 51	
NY STILLWATER RESERVOIR	8248-03	43-53	75-02	1690	1921- 64	1921- 64	1927- 58	1927- 58	
NY SYRACUSE WSO AP	8383-10	43-07	76-07	421	1902- 83	1843- 88	1843- 91	1902- 83	
NY TUPPER LAKE SUNMOUNT	8631-03	44-14	74-26	1680	1899- 77	1899- 75	1899- 75	1899- 75	
NY UTICA HARBOR PT	8733-06	43-07	75-14	410	1826- 91	1826- 78	1826- 59	1893- 24	SEE 8739
NY UTICA 3W	8739-06	43-06	75-17	500	1948- 37	1948- 35	1948- 36	1948- 36	SEE 8733
NY WALDEN 2NE	8902-05	41-34	74-10	400	1922- 53	1922- 53	1925- 35	1925- 35	SEE 8906
NY WALDEN	8906-05	41-33	74-10	380	1972- 13	1972- 13	1973- 12	1973- 12	SEE 8902
NY WANAKENA RANGER SCHOOL	8944-03	44-09	74-54	1510	1910- 75	1910- 75	1910- 75	1910- 75	
NY WATERTOWN	9000-09	43-58	75-52	497	1856- 96	1856- 96	1856- 96	1893- 92	
NY WEST POINT	9292-05	41-23	73-58	320	1824-157	1836-140	1824-156	1890- 90	
NY WOODHULL	9571-01	42-02	77-29	1825	1933- 9	1933- 9	1933- 9	1933- 9	SEE 0023 ADDISON
NC CHAPEL HILL 2W	1677-03	35-55	79-06	500	1820-137	1856-111	1820-133	1891- 94	
NC EDENTON	2635-08	36-03	76-37	20	1896- 89	1896- 89	1896- 89	1896- 89	
NC FAYETTEVILLE	3017-06	35-04	78-52	96	1871-110	1871-105	1871-101	1895- 90	
NC GOLDSBORO 1SSW	3510-07	35-21	78-01	82	1856-128	1860-117	1856-120	1891- 94	
NC HATTERAS	3897-08	35-13	75-41	5	1874-111	1874-111	1874-111	1882-103	
NC HENDERSON 2NNW	3969-03	36-22	78-25	480	1893- 92	1893- 92	1893- 92	1893- 92	
NC HENDERSONVILLE 1NE	3976-01	35-20	82-27	2160	1890- 90	1890- 90	1890- 90	1898- 87	
NC HIGHLANDS	4055-01	35-03	83-11	3840	1877-101	1878-100	1877-101	1891- 90	
NC KINSTON 5SE	4684-07	35-13	77-32	55	1899- 83	1899- 83	1899- 83	1899- 83	
NC LENOIR	4938-02	35-55	81-32	1200	1871-114	1871-114	1871-114	1891- 94	
NC LOUISBURG	5123-03	36-06	78-19	260	1891- 94	1891- 94	1891- 94	1891- 94	
NC MARION	5340-01	35-41	82-00	1425	1888- 97	1888- 97	1888- 97	1891- 94	
NC MARSHALL	5356-01	35-48	82-41	2050	1898- 87	1899- 86	1898- 87	1898- 87	
NC MONROE	5771-05	34-58	80-30	586	1888- 91	1888- 91	1888- 91	1896- 89	
NC MORGANTON	5838-01	35-45	81-41	1160	1889- 96	1889- 95	1889- 95	1891- 93	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
NC MOUNT AIRY	5890-02	36-31	80-37	1030	1889- 96	1889- 96	1889- 96	1891- 94	
NC NASHVILLE	6044-08	35-58	77-58	205	1904- 81	1904- 81	1904- 81	1904- 81	
NC REIDSVILLE	7197-03	36-21	79-38	828	1901- 63	1901- 63	1901- 63	1901- 63	TO 7202
NC REIDSVILLE 2NW	7202-03	36-23	79-42	890	1962- 23	1962- 23	1962- 23	1962- 23	FROM 7197
NC SALISBURY	7615-04	35-41	80-29	700	1882-103	1882-103	1882-103	1891- 94	
NC SMITHFIELD	7994-07	35-31	78-21	150	1889- 96	1889- 96	1889- 96	1891- 94	
NC SOUTHPORT 5N	8113-06	34-00	78-01	20	1822-163	1844-116	1822-132	1891- 94	
NC STATESVILLE 2NNE	8292-04	35-49	80-53	950	1866-108	1866-105	1866-102	1901- 81	
NC TARBORO 1S	8500-08	35-53	77-32	35	1871-114	1871-111	1871- 98	1887- 94	
NC WAYNESVILLE 1E	9147-01	35-29	82-58	2658	1894- 91	1894- 91	1894- 91	1894- 91	
ND BOTTINEAU	0941-02	48-50	100-27	1640	1892- 93	1892- 93	1892- 93	1892- 93	
ND CROSBY	1871-01	48-54	103-18	1952	1907- 78	1907- 78	1907- 78	1907- 78	
ND DICKINSON EXP STN	2188-07	46-53	102-48	2460	1891- 94	1891- 94	1891- 94	1893- 92	
ND DUNN CENTER ZSW	2365-04	47-21	102-39	2232	1918- 67	1918- 67	1919- 66	1919- 66	
ND FORT YATES	3207-08	46-06	100-38	1635	1882- 86	1882- 86	1882- 83	1892- 73	CNTY MORTON PRE 03/1908
ND FULLERTON 1ESE	3287-09	46-09	98-24	1435	1898- 87	1898- 87	1898- 87	1898- 87	
ND GRAFTON	3594-03	48-25	97-25	827	1891- 94	1891- 94	1891- 94	1892- 93	
ND GRAND FORKS UNIVERSITY	3621-03	47-56	97-05	830	1887- 98	1887- 98	1887- 98	1892- 93	
ND HETTINGER	4178-07	45-59	102-39	2680	1905- 80	1907- 78	1907- 78	1907- 78	
ND HILLSBORO 3N	4203-06	47-27	97-04	910	1905- 80	1905- 80	1905- 80	1905- 80	
ND JAMESTOWN STATE HOSPITAL	4418-05	46-53	98-41	1467	1891- 94	1891- 94	1892- 93	1893- 92	
ND LANGDON EXPERIMENT STN	4958-03	48-45	98-20	1615	1896- 85	1896- 89	1896- 89	1897- 84	
ND LISBON	5220-09	46-26	97-40	1089	1897- 88	1897- 88	1897- 88	1903- 82	
ND MANDAN EXPERIMENT STN	5479-08	46-48	100-54	1750	1913- 72	1913- 72	1913- 72	1913- 72	
ND MAYVILLE	5660-06	47-30	97-19	935	1893- 90	1893- 90	1893- 90	1893- 90	
ND MOTT	6155-07	46-22	102-18	2530	1907- 78	1907- 78	1907- 78	1907- 78	
ND NAPOLEON	6255-09	46-30	99-46	1980	1889- 96	1889- 96	1889- 96	1892- 93	
ND NEW ENGLAND	6315-07	46-33	102-52	2639	1888- 95	1888- 95	1888- 95	1894- 91	
ND PEMBINA	6947-03	48-58	97-14	790	1871-109	1871-109	1871-108	1898- 86	
ND RICHARDTON ABBEY	7530-07	46-53	102-19	2470	1916- 69	1916- 69	1916- 69	1916- 69	
ND STEELE	8366-05	46-52	99-54	1865	1889- 94	1889- 94	1889- 92	1894- 89	
ND TOWNFR 2NE	8792-02	48-21	100-24	1480	1896- 83	1896- 83	1896- 83	1896- 83	
ND WAHPETON 3N	9100-09	46-19	96-36	956	1889- 96	1889- 95	1889- 95	1892- 92	
ND WILLOW CITY	9445-02	48-39	100-18	1460	1891- 94	1891- 94	1891- 94	1892- 93	
OH BUCYRUS	1072-02	40-49	82-58	955	1889- 96	1890- 93	1889- 94	1893- 92	
OH CADIZ	1152-07	40-16	81-00	1260	1903- 82	1903- 82	1903- 82	1903- 82	
OH CHIPPEWA LAKE	1541-03	41-04	81-54	1060	1857- 97	1857- 97	1857- 92	1895- 90	
OH CIRCLEVILLE	1592-05	39-37	82-57	670	1887- 98	1887- 98	1895- 88	1895- 88	
OH COSHOCTON WPC	1890-06	40-15	81-52	760	1908- 77	1908- 77	1915- 70	1915- 70	
OH DELAWARE	2119-05	40-17	83-04	860	1896- 89	1896- 89	1896- 89	1896- 89	
OH FINDLAY SEWAGE PLANT	2791-01	41-03	83-40	768	1886- 99	1886- 99	1886- 98	1893- 92	
OH GREENVILLE WATER PLANT	3375-04	40-06	84-39	1024	1885-100	1886- 99	1886- 99	1893- 92	
OH HILLSBORO	3758-08	39-08	83-37	1100	1836-130	1855-110	1836-124	1893- 87	
OH HIRAM	3780-03	41-18	81-09	1230	1855-108	1855-107	1855-107	1893- 92	
OH IRONTON	3971-09	38-32	82-41	540	1882-101	1882- 88	1882- 87	1900- 83	SEE 3975

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - HISTORY	TOTAL YEARS IN DIGITAL FILE - PRECIP	AVG TEMP	EXT TEMP	XREF
OH IRONTON 1NE	3975-09	38-32	82-40	670	1982- 3	1982- 3	1982- 3	1982- 3	SEE 3971
OH KENTON	4189-04	40-39	83-36	995	1862-113	1862-111	1862-109	1893- 92	
OH MCCONNLSVILLE LOCK 7	5041-10	39-39	81-51	660	1884-101	1884-101	1884-101	1893- 92	
OH MILLERSBURG 1W	5297-06	40-33	81-56	900	1916- 69	1916- 68	1919- 65	1919- 65	
OH MILLPORT 2NW	5315-07	40-43	80-54	1145	1892- 93	1892- 93	1893- 92	1893- 92	
OH NAPOLEON	5664-01	41-23	84-07	675	1885- 78	1885- 78	1885- 78	1893- 70	TO 5669
OH NAPOLEON	5669-01	41-22	84-09	683	1940- 45	1962- 23	1962- 23	1962- 23	FROM 5664
OH NORWALK	6118-02	41-16	82-37	670	1861-103	1861-102	1861-102	1894- 91	
OH OBERLIN	6196-02	41-16	82-13	816	1854-129	1854-113	1854-113	1891- 94	
OH PHILO 3SW	6600-10	39-50	81-55	1020	1895- 90	1895- 90	1895- 90	1895- 90	
OH PORTSMOUTH	6781-09	38-45	82-53	540	1824-161	1830-155	1824-161	1893- 92	
OH TIFFIN	8313-02	41-07	83-11	738	1873-104	1873-104	1873-104	1893- 92	
OH UPPER SANDUSKY	8534-02	40-50	83-17	854	1882-103	1882-103	1882-103	1893- 92	
OH URBANA SEWAGE PLANT	8552-04	40-06	83-47	1000	1852-119	1852-118	1854-116	1895- 90	
OH WARREN 3S	8769-03	41-12	80-49	900	1882-101	1882-100	1882- 98	1893- 92	
OH WAUSEON WATER PLANT	8822-01	41-31	84-09	750	1869-116	1871-113	1870-115	1893- 92	
OH WAVERLY	8830-09	39-07	82-59	560	1883-102	1883-102	1883-102	1893- 92	
OH WOOSTER EXP STN	9312-06	40-47	81-55	1020	1864-120	1868-110	1864-119	1891- 94	
OK ADA	0017-08	34-47	96-41	1015	1907- 78	1907- 78	1907- 78	1907- 78	
OK ALTUS IRRIGATION RES STN	0179-07	34-35	99-20	1380	1903- 74	1913- 72	1903- 73	1913- 72	CNTY GREER PRE 1905
OK ANTLERS	0256-09	34-15	95-38	520	1917- 68	1917- 68	1918- 67	1918- 67	
OK ARDMORE	0292-08	34-12	97-09	860	1901- 84	1901- 84	1901- 84	1901- 84	
OK BARTLESVILLE 2W	0548-03	36-45	96-00	715	1907- 78	1907- 78	1907- 78	1907- 78	CNTY WASHINGTON PRE 1936
OK BEAVER	0593-01	36-48	100-32	2475	1896- 89	1896- 89	1896- 89	1896- 89	
OK BOISE CITY 2E	0908-01	36-44	102-29	4145	1908- 77	1925- 60	1908- 77	1908- 77	
OK BUFFALO	1243-01	36-50	99-37	1795	1907- 75	1907- 75	1907- 75	1907- 75	
OK CARNEGIE 2ENE	1504-07	35-07	98-34	1290	1914- 71	1914- 71	1914- 71	1914- 71	
OK CHEROKEE POWER PLANT	1724-02	36-46	98-21	1180	1915- 70	1915- 70	1915- 70	1915- 70	
OK CLAREMORE 2ENE	1828-03	36-19	95-35	588	1900- 75	1900- 74	1900- 74	1900- 74	
OK DURANT-USDA	2678-08	34-01	96-23	660	1901- 84	1901- 84	1901- 84	1901- 84	
OK ENID	2912-02	36-25	97-52	1245	1894- 88	1894- 88	1894- 88	1894- 88	
OK ERICK 4E	2944-04	35-12	99-48	1985	1904- 81	1904- 81	1904- 81	1904- 81	
OK GEARY	3497-04	35-38	98-19	1595	1911- 74	1911- 74	1911- 74	1911- 74	
OK GOODWELL RESEARPH STATION	3628-01	36-36	101-37	3310	1910- 75	1910- 75	1910- 75	1910- 75	
OK GUTHRIE	3821-05	35-53	97-27	1030	1889- 96	1892- 93	1889- 96	1892- 93	
OK HAMMON 1NNE	3871-04	35-38	99-22	1775	1913- 72	1913- 72	1913- 72	1913- 72	
OK HENNESSEY 2SE	4055-05	36-05	97-52	1150	1895- 90	1895- 90	1895- 90	1895- 90	
OK HOBART FAA AP	4204-07	35-00	99-03	1552	1901- 84	1903- 82	1903- 82	1903- 82	
OK HOLDENVILLE	4235-06	35-05	96-24	860	1900- 85	1901- 84	1901- 84	1901- 84	
OK HOOKER	4298-01	36-52	101-13	2995	1906- 79	1906- 79	1906- 79	1906- 79	
OK HUGO	4384-09	34-00	95-31	570	1913- 72	1913- 72	1913- 72	1913- 72	
OK JEFFERSON	4573-02	36-43	97-48	1045	1894- 91	1894- 91	1894- 91	1894- 91	
OK KENTON	4766-01	36-54	102-58	4350	1900- 85	1900- 84	1900- 84	1900- 84	
OK KINGFISHER 2SE	4861-05	35-51	97-54	1100	1897- 88	1897- 88	1897- 88	1897- 88	
OK LAWTON	5063-07	34-37	98-27	1150	1912- 73	1912- 73	1912- 73	1912- 73	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
OK MANGUM RESEARCH STATION	5509-07	34-50	99-26	1520	1892- 93	1892- 93	1892- 93	1892- 93	
OK MEEKER 4W	5779-05	35-30	96-59	925	1894- 91	1894- 91	1894- 91	1894- 91	
OK MIAMI	5855-03	36-53	94-53	805	1917- 68	1917- 68	1917- 68	1917- 68	
OK MUSKOGEE	6130-06	35-46	95-20	583	1899- 86	1899- 86	1899- 86	1899- 86	
OK MUTUAL	6139-02	36-14	99-10	1865	1907- 78	1907- 78	1907- 78	1907- 78	
OK NEWKIRK	6278-02	36-53	97-03	1150	1897- 88	1897- 88	1897- 88	1897- 88	
OK OKEENE	6629-04	36-07	98-19	1200	1903- 82	1903- 82	1903- 82	1903- 82	
OK OKEMAH	6638-05	35-26	96-18	935	1912- 73	1912- 73	1912- 73	1912- 73	
OK OKMULGEE WATERWORKS	6670-06	35-37	96-01	647	1903- 82	1903- 82	1903- 82	1903- 82	
OK PAULS VALLEY 3WSW	6926-08	34-44	97-16	950	1892- 88	1892- 87	1892- 87	1892- 87	
OK PAWHUSKA	6935-03	36-40	96-21	835	1897- 88	1898- 86	1898- 86	1898- 86	
OK PERRY	7012-02	36-17	97-18	1025	1898- 87	1898- 87	1898- 87	1898- 87	
OK POTEAU	7246-09	35-03	94-38	670	1917- 68	1917- 68	1917- 68	1917- 68	
OK STILLWATER 2W	8501-05	36-07	97-05	895	1893- 92	1893- 92	1893- 92	1893- 92	
OK TAHLEQUAH	8677-06	35-56	94-58	850	1894- 84	1894- 84	1894- 83	1894- 83	
OK WAURIKA	9395-08	34-10	98-00	875	1910- 75	1910- 75	1910- 75	1910- 75	
OK WEATHERFORD	9422-04	35-32	98-42	1670	1901- 84	1901- 84	1901- 84	1901- 84	
OK WEBBERS FALLS 5WSW	9445-06	35-29	95-12	550	1898- 87	1900- 85	1900- 85	1900- 85	
OR ASHLAND	0304-03	42-13	122-43	1750	1879-106	1879-106	1889- 96	1889- 96	
OR ASTORIA	0324-01	46-11	123-50	220	1850-105	1850-110	1867- 87	1892- 69	TO 0328
OR ASTORIA WSO AP	0328-01	46-09	123-53	8	1946- 39	1953- 32	1953- 32	1953- 32	FROM 0324
OR BEND	0694-07	44-04	121-19	3650	1901- 84	1902- 83	1901- 84	1901- 84	CNTY CROOK PRE 12/1916
OR BROOKINGS	1055-01	42-03	124-17	70	1912- 73	1912- 73	1913- 72	1913- 72	
OR CONDON	1765-06	45-14	120-11	2830	1894- 82	1894- 82	1894- 82	1894- 82	
OR CORVALLIS STATE UNIV	1862-02	44-38	123-12	225	1889- 96	1889- 96	1889- 96	1889- 94	
OR DUFUR	2440-06	45-27	121-08	1330	1909- 76	1909- 76	1910- 75	1910- 75	
OR FOREST GROVE	2997-02	45-32	123-06	180	1889- 95	1890- 94	1890- 94	1890- 94	
OR GRANTS PASS	3445-03	42-25	123-20	960	1889- 96	1889- 96	1889- 96	1889- 96	
OR HEADWORKS PORTLAND WTRB	3770-02	45-27	122-09	748	1899- 86	1899- 86	1901- 80	1901- 80	
OR HEPPNER	3827-06	45-22	119-33	1885	1889- 96	1889- 96	1889- 96	1889- 96	
OR HERMISTON 2S	3847-06	45-49	119-17	624	1906- 79	1906- 79	1907- 78	1907- 78	
OR HOOD RIVER EXPERIMENT STN	4003-06	45-41	121-31	500	1884-101	1884-101	1891- 94	1891- 94	CNTY WASCO PRE 07/1907
OR KLAMATH FALLS 2SSW	4506-07	42-12	121-47	4098	1884- 96	1884- 97	1884- 96	1889- 91	
OR LAKEVIEW 2NNW	4670-07	42-13	120-22	4778	1884-101	1884-100	1884-100	1887- 97	
OR MCMINNVILLE	5384-02	45-14	123-11	148	1888- 97	1888- 97	1888- 97	1889- 93	
OR MILTON-FREEWATER	5593-06	45-57	118-25	970	1914- 71	1914- 71	1914- 71	1914- 71	
OR MORO	5734-06	45-29	120-43	1870	1897- 77	1897- 77	1898- 69	1898- 69	
OR NEWPORT	6032-01	44-35	124-03	143	1887- 98	1891- 94	1891- 94	1891- 94	
OR PILOT ROCK 1SE	6634-06	45-29	118-49	1720	1908- 77	1908- 77	1909- 76	1909- 76	
OR PROSPECT 2SW	6907-03	42-44	122-31	2482	1905- 80	1905- 80	1905- 79	1905- 79	
OR RIDDLE	7169-03	42-57	123-21	680	1891- 85	1891- 85	1891- 84	1913- 72	
OR UNION EXP STN	8746-08	45-13	117-53	2765	1911- 74	1911- 74	1911- 74	1911- 74	
OR VALE	8797-09	43-59	117-15	2240	1891- 93	1891- 94	1891- 94	1891- 93	
OR WALLOWA	8997-08	45-34	117-32	2923	1903- 82	1903- 82	1903- 82	1903- 82	
PA FRANKLIN	3028-10	41-23	79-49	990	1867-112	1868-111	1867-112	1897- 88	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
PA GREENVILLE 2NE	3526-10	41-25	80-22	1130	1871- 96	1871- 93	1871- 92	1894- 86	
PA JOHNSTOWN	4385-08	40-20	78-55	1214	1868-104	1868-104	1868-101	1894- 91	
PA NEW CASTLE 1N	6233-09	41-01	80-22	825	1866-106	1870-100	1866-104	1894- 82	
PA SELINGSGROVE 2S	7931-05	40-46	76-52	420	1888- 79	1888- 79	1889- 78	1894- 73	TO & FROM 8668
PA STATE COLLEGE	8449-07	40-48	77-52	1170	1882-103	1882-102	1882-102	1893- 92	
PA SUNBURY	8668-05	40-51	76-48	440	1923- 54	1931- 46	1957- 20	1957- 20	FROM & TO 7931
PA TOWANDA 1ESE	8905-06	41-45	76-25	745	1894- 92	1894- 91	1894- 91	1894- 91	
PA UNIONTOWN 1NE	9050-09	39-55	79-43	956	1888- 97	1888- 97	1889- 96	1894- 91	
PA WARREN	9298-10	41-51	79-09	1210	1885-100	1885-100	1896- 89	1896- 89	
PA WELLSBORO	9407-06	41-45	77-17	1340	1879- 72	1879- 72	1879- 72	1897- 54	TO 9408
PA WELLSBORO 3S	9408-06	41-42	77-16	1860	1950- 35	1950- 35	1950- 35	1950- 35	FROM 9407
PA WEST CHESTER 1W	9464-03	39-58	75-38	450	1817-146	1817-140	1843-133	1893- 92	
PA YORK PUMP STATION 3SSW	9933-04	39-55	76-45	390	1886- 89	1886- 88	1886- 88	1894- 81	
RI BLOCK ISLAND WSO AP	0896-01	41-10	71-35	110	1880-105	1880-105	1880-105	1880-105	
RI KINGSTON	4266-01	41-29	71-32	100	1888- 97	1889- 96	1889- 96	1889- 96	
SC AIKEN 4NE	0074-05	33-36	81-41	400	1854-124	1854-124	1856-122	1893- 85	
SC ANDERSON	0165-02	34-32	82-40	800	1884- 97	1884- 97	1884- 88	1901- 84	
SC BEAUFORT 7SW	0559-07	32-23	80-46	20	1862-105	1862-105	1862-102	1889- 94	
SC BLACKVILLE 3W	0764-07	33-22	81-19	324	1884-101	1884-101	1884-101	1888- 96	
SC CALHOUN FALLS	1277-05	34-05	82-35	530	1892- 93	1892- 93	1917- 68	1917- 68	
SC CAMDEN 3W	1310-03	34-15	80-39	140	1849-136	1849-136	1854- 83	1906- 79	
SC CHARLESTON	1549-07	32-47	79-56	10	1738-202	1738-193	1738-183	1871-114	
SC CHERAW	1588-04	34-42	79-53	140	1882-103	1882-103	1882-103	1888- 97	
SC CLEMSON UNIVERSITY	1770-02	34-41	82-49	819	1892- 93	1892- 93	1896- 89	1896- 85	CNTY OCONEE PRIOR 3/68
SC COLUMBIA U OF SC	1944-06	33-59	81-01	242	1872-113	1872-112	1872-110	1887- 98	
SC CONWAY	1997-04	33-50	79-03	20	1888- 97	1888- 97	1888- 90	1890- 87	
SC DARLINGTON 1N	2260-04	34-19	79-53	160	1893- 92	1895- 90	1893- 87	1901- 84	
SC GEORGETOWN 2E	3468-04	33-21	79-15	10	1893- 89	1893- 88	1893- 88	1893- 88	
SC GREENWOOD 3NE	3754-05	34-13	82-07	615	1884-101	1884-101	1884-101	1888- 96	
SC KERSHAW	4690-03	34-33	80-35	530	1916- 69	1916- 69	1916- 69	1916- 69	CNTY KERSHAW 1953-5,57-7
SC KINGSTREE 1SE	4753-04	33-39	79-49	58	1882-103	1882-103	1882-103	1888- 95	
SC LAURENS	5017-02	34-30	82-02	589	1901- 75	1901- 75	1901- 75	1901- 75	
SC LITTLE MOUNTAIN	5200-05	34-12	81-25	711	1893- 92	1893- 92	1893- 92	1894- 91	
SC NEWBERRY	6209-05	34-17	81-37	476	1887- 98	1887- 98	1887- 98	1893- 92	
SC SALUDA	7631-05	33-59	81-46	480	1902- 83	1902- 83	1902- 83	1902- 83	
SC SANTUCK	7722-02	34-38	81-31	520	1893- 92	1893- 92	1893- 92	1895- 90	
SC SUMMERVILLE	8426-07	33-00	80-11	60	1898- 87	1898- 87	1898- 87	1898- 87	
SC WALHALLA	8887-02	34-45	83-05	980	1889- 87	1889- 87	1889- 85	1896- 81	
SC WINNSBORO	9327-03	34-22	81-05	560	1887- 95	1887- 95	1887- 93	1888- 91	
SC WINTHROP COLLEGE	9350-03	34-56	81-02	690	1899- 86	1900- 85	1900- 85	1900- 85	
SC YEMASSEE	9469-07	32-41	80-51	25	1882- 96	1882- 96	1882- 96	1895- 90	CNTY HAMPTON 1919-1976
SD ABERDEEN WSO AP	0020-03	45-27	98-26	1296	1890- 95	1890- 95	1890- 95	1893- 92	
SD ACADEMY	0043-08	43-28	99-05	1675	1898- 87	1898- 87	1898- 87	1898- 87	
SD ALEXANDRIA	0128-09	43-39	97-47	1350	1882- 99	1882- 99	1882- 99	1893- 92	
SD CANTON 4WNW	1392-09	43-18	96-40	1345	1889- 92	1889- 91	1889- 91	1896- 88	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
SD CLARK	1739-07	44-53	97-44	1780	1889- 96	1889- 96	1889- 94	1893- 90	
SD COTTONWOOD 2E	1972-05	43-58	101-52	2414	1909- 76	1909- 76	1909- 76	1909- 76	
SD DUPREE	2429-01	45-03	101-36	2365	1922- 63	1922- 63	1922- 63	1922- 63	
SD EUREKA	2797-02	45-47	99-38	1870	1897- 81	1897- 79	1897- 79	1897- 79	
SD FAULKTON	2927-02	45-02	99-08	1580	1892- 92	1892- 92	1892- 92	1893- 91	
SD FORESTBURG 3NE	3029-07	44-02	98-04	1231	1891- 94	1891- 94	1891- 94	1893- 92	
SD GANN VALLEY	3217-07	44-02	98-58	1750	1886- 99	1886- 99	1889- 96	1893- 92	
SD HIGHMORE 1W	3832-06	44-31	99-28	1890	1887- 98	1887- 97	1887- 96	1894- 90	
SD HOPEWELL 1SE	3987-06	44-30	100-52	1922	1909- 69	1909- 68	1909- 67	1909- 67	
SD HOT SPRINGS	4007-04	43-26	103-28	3535	1897- 81	1897- 81	1897- 81	1897- 81	
SD HOWARD	4037-07	44-01	97-31	1560	1890- 95	1890- 95	1890- 95	1893- 92	
SD KENNEBEC	4516-06	43-55	99-52	1700	1892- 93	1892- 93	1892- 93	1893- 92	CNTY PRESHO PRE 1900
SD MELLETTE	5456-03	45-09	98-30	1290	1892- 93	1892- 93	1892- 92	1895- 90	
SD MENNO	5481-09	43-14	97-35	1324	1896- 89	1896- 89	1896- 89	1896- 89	
SD MILBANK 2SSW	5536-03	45-12	96-38	1156	1889- 96	1889- 96	1890- 95	1893- 92	
SD MURDO	5891-06	43-53	100-43	2300	1907- 78	1907- 78	1908- 77	1908- 77	
SD PIERRE FAA AP	6597-06	44-23	100-17	1726	1866-119	1866-118	1866-118	1891- 94	
SD RAPID CITY	6947-05	44-05	103-16	3370	1888- 97	1888- 97	1888- 97	1888- 97	
SD VERMILLION 2SE	8622-09	42-45	96-55	1190	1883-100	1883- 98	1884- 96	1893- 90	
SD WATERTOWN FAA AP	8932-07	44-55	97-09	1746	1891- 94	1891- 94	1891- 94	1893- 92	
SD WOOD	9442-08	43-30	100-29	2180	1913- 72	1913- 72	1913- 72	1913- 72	
TN CLARKSVILLE SEWAGE PLANT	1790-03	36-33	87-22	382	1854-127	1854-127	1854-126	1890- 94	
TN COPPERHILL	2024-01	35-00	84-23	1535	1914- 71	1914- 71	1914- 71	1914- 71	
TN COVINGTON 1W	2108-04	35-34	89-40	310	1883-102	1883-102	1883-102	1893- 92	
TN CROSSVILLE EXPERIMENT STN	2202-02	36-01	85-08	1810	1912- 73	1912- 73	1912- 73	1912- 73	
TN DICKSON	2489-03	36-04	87-23	780	1884- 94	1884- 89	1885- 88	1900- 85	
TN DOVER 1W	2589-03	36-29	87-51	475	1897- 88	1898- 87	1898- 87	1898- 87	
TN JACKSON EXPERIMENT STN	4561-04	35-37	88-50	400	1891- 94	1891- 94	1891- 94	1900- 85	
TN LEWISBURG EXPERIMENT STN	5187-03	35-27	86-48	787	1888- 97	1888- 91	1888- 91	1899- 86	
TN MCMINNVILLE	5882-02	35-41	85-48	940	1872-108	1872-108	1872-108	1894- 91	
TN MURFREESBORO 5N	6371-03	35-55	86-22	550	1882-103	1882-103	1883-102	1894- 91	
TN NEWPORT 1NW	6534-01	35-59	83-12	1036	1888- 95	1888- 95	1888- 95	1896- 89	
TN ROGERSVILLE 1NE	7884-01	36-25	82-59	1355	1883-102	1883-102	1883-102	1896- 89	
TN TULLAHOA	9155-02	35-21	86-12	1048	1889- 93	1889- 93	1889- 93	1896- 89	
TN UNION CITY	9219-04	36-25	89-04	335	1884- 98	1884- 93	1884- 93	1895- 89	
TN WAYNESBORO	9502-03	35-18	87-46	750	1884-101	1884-101	1884-101	1897- 88	
TX ALBANY	0120-03	32-44	99-17	1440	1892- 93	1892- 92	1892- 92	1902- 83	
TX ALICE	0144-09	27-44	98-04	201	1892- 86	1893- 80	1893- 79	1893- 79	CNTY NUECES PRE 1911
TX BALLINGER 1SW	0493-02	31-44	99-58	1575	1895- 90	1895- 90	1895- 90	1896- 89	
TX BEEVILLE 5NE	0639-07	28-27	97-42	255	1895- 90	1895- 90	1895- 90	1896- 89	
TX BLANCO	0832-06	30-06	98-25	1370	1896- 89	1896- 89	1896- 89	1896- 89	
TX BOERNE	0902-06	29-48	98-43	1422	1876- 98	1877- 96	1878- 96	1904- 81	
TX BRENNHAM	1048-07	30-09	96-24	353	1885-100	1885-100	1885-100	1896- 89	
TX BROWNWOOD	1138-03	31-43	99-00	1385	1888- 97	1888- 96	1889- 95	1893- 90	
TX CLARKSVILLE 2NE	1772-04	33-38	95-02	435	1870-115	1872- 95	1870- 87	1903- 81	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
TX COPPUS CHRISTI WSO AP	2015-07	27-46	97-30	41	1887- 98	1887- 98	1887- 98	1887- 98	
TX CORSICANA	2019-03	32-05	96-28	425	1874-111	1874-111	1874-111	1896- 89	
TX CROSBYTON	2121-01	33-39	101-15	3010	1886- 99	1886- 99	1886- 98	1894- 90	
TX DANEVANS 1W	2266-08	29-03	96-14	70	1896- 89	1896- 89	1896- 89	1896- 89	
TX DILLEY	2458-09	28-40	99-10	582	1910- 75	1910- 75	1916- 69	1916- 69	
TX DUBLIN	2598-03	32-06	98-20	1502	1890- 92	1895- 90	1895- 90	1896- 89	
TX EL PASO WSO AP	2797-05	31-48	106-24	3918	1877-108	1878-107	1878-107	1878-107	
TX ENCINAL	2906-09	28-02	99-22	588	1907- 78	1907- 78	1908- 77	1907- 78	
TX FALFURRIAS	3063-09	27-14	98-08	120	1907- 78	1907- 78	1907- 78	1907- 78	
TX FLATONIA	3183-07	29-40	97-07	520	1908- 77	1908- 77	1908- 77	1908- 77	
TX FORT STOCKTON	3280-05	30-53	102-52	2980	1859-111	1859-112	1859-101	1904- 81	
TX GAINESVILLE	3415-03	33-38	97-08	760	1889- 96	1889- 96	1889- 96	1893- 92	
TX HALLETTSVILLE 3S	3873-07	29-24	96-57	261	1891- 94	1891- 93	1891- 93	1893- 91	
TX HASKELL	3992-02	33-10	99-44	1605	1890- 94	1890- 94	1890- 94	1893- 91	
TX LAMPASAS	5018-06	31-03	98-11	1024	1888- 95	1888- 95	1888- 95	1896- 89	
TX LIRERTY	5196-08	30-03	94-48	35	1903- 82	1903- 82	1904- 81	1904- 81	
TX LLANO	5272-06	30-45	98-41	1040	1891- 94	1891- 94	1891- 94	1902- 83	
TX LULING	5429-07	29-40	97-39	398	1882-103	1882-103	1882-103	1888- 96	
TX MARSHALL	5618-04	32-32	94-21	352	1892- 85	1892- 85	1892- 85	1893- 84	
TX MEXIA	5869-03	31-41	96-29	535	1888- 84	1888- 84	1888- 83	1904- 81	
TX MIAMI	5875-01	35-42	100-38	2755	1888- 83	1888- 83	1905- 80	1905- 80	
TX MULESHOE 1	6135-01	34-14	102-45	3760	1921- 64	1921- 64	1927- 58	1927- 58	
TX NEW BRAUNFELS	6276-07	29-44	98-07	710	1853-104	1854-103	1854-103	1891- 93	
TX PLAINVIEW	7079-01	34-11	101-42	3370	1889- 95	1889- 95	1889- 95	1894- 91	
TX QUANAH 5SE	7336-02	34-15	99-41	1495	1891- 87	1891- 84	1891- 84	1893- 82	TO & FROM 9935
TX SAN ANTONIO WSFO	7945-07	29-32	98-28	788	1846-123	1849-119	1846-121	1885-100	
TX SYNDER	8433-02	32-43	100-55	2335	1889- 77	1889- 76	1889- 76	1911- 74	
TX TEMPLE	8910-03	31-05	97-22	700	1882-103	1882-103	1882-103	1891- 93	
TX VEGA	9330-01	35-15	102-25	4010	1923- 61	1923- 61	1923- 61	1923- 61	
TX WEATHERFORD	9532-03	32-46	97-49	1065	1882-103	1882-103	1882-103	1897- 88	
TX WTU LAKE PAULINE	9935-02	34-15	99-41	1495	1978- 2	1978- 2	1978- 2	1978- 2	FROM & TO 7336
UT ALTON	0086-04	37-26	112-29	7040	1915- 70	1915- 70	1915- 70	1915- 70	
UT BLANDING	0738-07	37-37	109-28	6130	1904- 80	1904- 81	1904- 80	1904- 80	
UT CORINNE	1731-03	41-35	112-08	4240	1870-115	1870-115	1870-115	1897- 88	
UT DESERET	2101-01	39-17	112-39	4585	1891- 92	1891- 92	1891- 92	1891- 91	
UT ELBERTA	2418-03	39-57	111-57	4690	1902- 83	1902- 83	1902- 83	1902- 83	
UT FILLMORE	2828-04	38-57	112-19	5120	1892- 93	1892- 93	1892- 93	1893- 92	
UT FORT DUCHESNE	2996-06	40-17	109-52	5050	1887- 98	1887- 98	1887- 98	1897- 88	
UT HANKSVILLE	3611-07	38-22	110-43	4308	1910- 75	1910- 75	1910- 75	1910- 75	
UT HEBER	3809-05	40-30	111-25	5630	1893- 92	1893- 92	1893- 92	1893- 92	
UT LAKETOWN	4856-05	41-49	111-19	5980	1900- 85	1900- 85	1900- 85	1900- 85	FROM MOFFAT RANCH
UT LEVAN	5065-04	39-33	111-52	5315	1889- 96	1889- 96	1890- 95	1895- 90	
UT LOGAN USU	5186-03	41-45	111-48	4790	1890- 95	1890- 95	1890- 95	1893- 92	
UT MANTI	5402-04	39-15	111-38	5740	1892- 93	1892- 93	1892- 93	1893- 92	
UT MOAB 4NW	5733-07	38-36	109-36	3965	1889- 96	1889- 96	1889- 96	1893- 92	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
UT MODENA	5752-01	37-48	113-55	5480	1901- 84	1901- 84	1901- 84	1901- 84	
UT MORGAN	5826-05	41-02	111-41	5060	1903- 82	1903- 82	1903- 82	1903- 82	
UT OGDEN PIONEER P H	6404-03	41-15	111-57	4350	1870-115	1870-115	1870-115	1902- 83	
UT PAROWAN POWER PLANT	6686-04	37-50	112-50	6000	1890- 95	1890- 94	1890- 95	1893- 91	
UT RIVERDALE	7318-03	41-09	112-00	4400	1914- 71	1914- 71	1914- 71	1914- 71	
UT SAINT GEORGE	7516-02	37-09	113-35	2760	1877-108	1878-107	1889- 96	1893- 91	
UT SCIPIO	7714-04	39-15	112-06	5300	1894- 91	1894- 91	1895- 90	1895- 90	
UT TOOEELE	8771-03	40-32	112-18	5070	1896- 89	1896- 89	1896- 89	1896- 89	
UT WENDOVER AUTOB	9382-01	40-44	114-02	4237	1911- 74	1911- 74	1911- 74	1911- 74	
UT WOODRUFF	9595-05	41-32	111-09	6315	1897- 88	1897- 86	1897- 85	1897- 85	
UT ZION NATIONAL PARK	9717-02	37-13	112-59	4050	1904- 81	1904- 81	1904- 81	1904- 81	
VT CAVENDISH	1243-03	43-23	72-36	800	1903- 82	1903- 82	1903- 82	1903- 82	
VT CHELSEA	1360-01	43-59	72-27	800	1885- 99	1885- 99	1885- 99	1895- 90	
VT CORNWALL	1580-02	43-57	73-13	490	1886- 99	1886- 99	1894- 91	1894- 91	
VT ENOSBURG FALLS	2769-01	44-55	72-49	422	1891- 94	1891- 92	1891- 92	1891- 92	
VT NORTHFIELD	5733-01	44-10	72-39	670	1887- 88	1887- 87	1887- 87	1887- 87	TO 5740
VT NORTHFIELD 3SSE	5740-01	44-06	72-37	1410	1974- 11	1974- 11	1974- 11	1974- 11	FROM 5733
VT SAINT JOHNSBURY	7054-01	44-25	72-01	699	1853-102	1854- 99	1853-100	1894- 91	
VA BURKES GARDEN	1209-06	37-05	81-20	3300	1896- 89	1896- 89	1896- 89	1896- 89	
VA CHARLOTTESVILLE	1593-03	38-02	78-31	870	1837-128	1849-107	1837-102	1893- 92	
VA COLUMBIA 2SSE	1929-02	37-44	78-09	290	1898- 87	1898- 87	1898- 87	1898- 87	CNTY FLUVANNA PRIOR 9/48
VA CULPEPER	2155-04	38-28	78-00	420	1907- 78	1907- 78	1907- 78	1907- 78	
VA DALE ENTERPRISE	2208-05	38-27	78-56	1400	1880-105	1880-105	1880-105	1893- 92	
VA DIAMOND SPRINGS	2368-01	36-54	76-12	25	1871- 89	1871- 87	1871- 89	1909- 72	SEE 6139
VA FREDERICKSBURG NATIONAL PARK	3192-01	38-19	77-27	90	1893- 92	1893- 92	1893- 92	1893- 92	
VA HOT SPRINGS	4128-05	38-00	79-50	2238	1892- 93	1892- 93	1892- 93	1892- 93	
VA LEXINGTON	4876-05	37-47	79-26	1060	1861-118	1861-114	1861-114	1889- 95	
VA LINCOLN	4909-04	39-07	77-43	500	1900- 85	1901- 84	1900- 85	1900- 85	
VA NORFOLK WSO AP	6139-01	36-54	76-12	24	1940- 45	1938- 47	1938- 47	1938- 47	SEE 2368
VA ROCKY MOUNT	7338-03	37-00	79-54	1232	1894- 91	1894- 91	1894- 91	1894- 91	
VA STAUNTON SEWAGE PLANT	8062-05	38-09	79-02	1385	1868-100	1868-100	1868- 98	1893- 91	
VA WILLIAMSBURG	9146-01	37-17	76-45	70	1900- 51	1900- 51	1900- 51	1900- 51	TO 9151
VA WILLIAMSBURG 2N	9151-01	37-18	76-42	70	1951- 34	1948- 37	1951- 34	1951- 34	FROM 9146
VA WOODSTOCK 2NE	9263-04	38-54	78-28	660	1889- 95	1889- 95	1897- 88	1897- 88	
WA BELLINGHAM 2N	0564-03	48-47	122-29	140	1857- 96	1857- 93	1857- 93	1895- 90	PRE 09/1910 FROM 0569
WA BLAINE	0729-03	49-00	122-45	60	1893- 90	1893- 90	1893- 90	1893- 90	
WA BUCKLEY 1NE	0945-04	47-10	122-00	685	1913- 72	1913- 72	1913- 72	1913- 72	
WA CEDAR LAKE	1233-05	47-25	121-44	1560	1898- 83	1898- 87	1909- 75	1909- 75	
WA CLE ELUM	1504-06	47-11	120-57	1930	1899- 86	1899- 86	1899- 86	1899- 85	
WA COLFAX 1NW	1586-10	46-53	117-23	1955	1881- 96	1881- 96	1892- 93	1892- 93	
WA CONCONULLY	1666-07	48-33	119-45	2320	1894- 88	1894- 88	1894- 88	1894- 88	
WA DAVENPORT	2007-07	47-39	118-08	2440	1893- 78	1893- 78	1893- 78	1893- 78	
WA DAYTON 1WSW	2030-10	46-19	118-00	1557	1879-101	1879-101	1891- 94	1893- 92	
WA ELLENSBURG	2505-08	46-58	120-33	1480	1884- 85	1884- 85	1884- 85	1893- 81	TO & FROM 2508
WA ELLENSPURG FAA AP	2508-08	47-02	120-31	1727	1940- 20	1940- 20	1940- 20	1940- 20	FROM & TO 2505

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
WA FORKS 1E	2914-01	47-57	124-22	350	1907- 78	1907- 78	1908- 76	1908- 76	
WA GRAPEVIEW 3SW	3284-04	47-18	122-52	30	1907- 78	1907- 78	1907- 78	1907- 78	
WA KENNEWICK	4154-08	46-13	119-06	390	1884- 95	1884- 95	1884- 95	1894- 91	CNTY YAKIMA PRE 04/1905
WA LAURIER	4549-09	49-00	118-14	1644	1910- 75	1910- 75	1910- 75	1910- 75	
WA ODESSA	6039-07	47-20	118-41	1540	1902- 83	1903- 82	1903- 82	1903- 82	
WA OLGA 3E	6096-00	48-37	122-48	80	1890- 95	1890- 95	1890- 95	1891- 94	
WA POMEROY	6610-10	46-28	117-37	1810	1881- 97	1881- 97	1891- 94	1891- 80	
WA PORT ANGELES	6624-02	48-07	123-24	40	1883-102	1883-102	1891- 94	1891- 94	
WA PORT TOWNSEND	6678-02	48-07	122-45	100	1857-118	1860-116	1859-115	1891- 93	
WA PUYALLUP EXPERIMENT STN 2W	6803-03	47-12	122-20	50	1914- 71	1914- 71	1914- 71	1914- 71	
WA RAYMOND 2S	6914-01	46-39	123-43	30	1979- 6	1980- 5	1980- 5	1980- 5	FROM 9291
WA RITZVILLE 1SSE	7059-08	47-07	118-22	1830	1899- 86	1899- 86	1916- 69	1916- 69	
WA SEDRO WOOLLEY	7507-03	48-30	122-14	60	1896- 89	1896- 89	1896- 89	1896- 89	
WA SNOQUALMIE FALLS	7773-04	47-33	120-51	440	1898- 87	1898- 87	1899- 86	1899- 86	
WA SUNNYSIDE	8207-08	46-19	120-00	747	1894- 91	1894- 91	1894- 91	1894- 91	
WA VANCOUVER 4NNE	8773-04	45-41	122-39	210	1849-115	1849-112	1849-115	1891- 92	
WA WATERVILLE	9012-07	47-39	120-04	2620	1890- 95	1890- 95	1890- 95	1891- 94	
WA WILBUR	9238-07	47-45	118-40	2230	1892- 93	1892- 88	1892- 88	1892- 88	
WA WILLAPA HARBOR	9291-01	46-41	123-45	10	1895- 85	1895- 85	1895- 85	1895- 85	TO 6914
WA WINTHROP 1WSW	9376-06	48-28	120-11	1755	1904- 81	1906- 78	1906- 78	1906- 78	
WV BENS RUN 1SSE	0687-01	39-28	81-06	644	1900- 85	1900- 85	1900- 85	1900- 85	CNTY PLEASANTS PRE 1959
WV BUCKHANNON 2W	1220-02	39-00	80-16	1445	1887- 98	1887- 97	1891- 93	1891- 93	
WV GARY	3353-05	37-22	81-33	1426	1917- 68	1917- 68	1920- 65	1920- 65	
WV GLENVILLE 1ENE	3544-02	38-56	80-49	720	1887- 98	1887- 98	1893- 92	1893- 92	
WV LEWISBURG 2SSW	5224-05	37-46	80-28	2185	1854- 92	1854- 92	1854- 92	1900- 84	
WV MANNINGTON 1N	5621-02	39-33	80-21	975	1901- 79	1900- 80	1901- 79	1900- 80	TO 5626
WV MANNINGTON 7WNW	5626-02	39-32	80-30	1100	1946- 39	1946- 38	1980- 4	1980- 4	FROM 5621
WV MARTINSBURG FAA AIRPORT	5707-06	39-24	77-59	531	1891- 94	1891- 94	1891- 94	1891- 94	
WV PARSONS 1SE	6867-04	39-06	79-40	1680	1899- 86	1899- 84	1899- 84	1899- 84	
WV PICKENS 1	6991-04	38-40	80-13	2770	1902- 83	1902- 83	1902- 83	1902- 83	
WV SPENCER 1SE	8384-03	38-48	81-21	740	1892- 91	1892- 90	1892- 89	1892- 89	
WV WELLSBURG WATER TRMT PLANT	9368-01	40-17	80-37	660	1878- 94	1878- 94	1899- 86	1899- 86	
WV WILLIAMSON	9605-03	37-40	82-17	673	1900- 85	1900- 85	1900- 85	1900- 85	
WV WINFIELD LOCK & DAM	9683-03	38-32	81-55	571	1900- 85	1900- 84	1900- 84	1900- 84	
WI ANTIGO 1SSW	0239-03	45-08	89-09	1450	1894- 91	1894- 91	1894- 91	1894- 91	
WI ASHLAND EXPERIMENT FARM	0349-01	46-34	90-58	650	1856- 95	1856- 95	1893- 82	1893- 82	
WI BRODHEAD	1078-08	42-37	89-23	790	1897- 88	1897- 88	1897- 88	1897- 88	
WI DARLINGTON	2001-07	42-41	90-07	930	1901- 80	1901- 80	1901- 80	1901- 80	
WI FOND DU LAC	2839-06	43-48	88-27	760	1886- 99	1886- 99	1888- 97	1891- 94	
WI HANCOCK EXPERIMENT FARM	3405-05	44-07	89-32	1076	1902- 83	1902- 83	1902- 83	1902- 83	
WI HATFIELD HYDRO PLANT	3471-04	44-24	90-44	953	1908- 77	1908- 77	1908- 77	1908- 77	
WI LANCASTER 4WSW	4546-07	42-50	90-47	1042	1888- 97	1888- 94	1888- 94	1892- 91	
WI MANITOWOC	5017-06	44-06	87-41	660	1851-134	1858-125	1851-120	1892- 93	
WI MARSHFIELD EXPERIMENT FARM	5120-05	44-39	90-08	1250	1912- 73	1913- 72	1913- 72	1913- 72	
WI MEDFORD	5255-02	45-08	90-21	1470	1889- 96	1889- 96	1890- 95	1891- 94	

PRIORITY 1 & 2 STATIONS FOR HISTORICAL CLIMATOLOGY NETWORK

STATE & STATION NAME	STN-DIV	LAT-N	LONG-W	ELVFT	BEGIN YEAR - TOTAL YEARS IN DIGITAL FILE				XREF
					HISTORY	PRECIP	AVG TEMP	EXT TEMP	
WI MINOCQUA DAM	5516-02	45-53	89-44	1580	1903- 82	1903- 82	1903- 81	1903- 81	
WI NEW LONDON	5932-05	44-23	88-44	760	1856- 92	1857- 91	1856- 92	1896- 89	CNTY OUTAGAMIE PRE 1925
WI OCONTO 4W	6208-03	44-54	87-57	660	1890- 95	1890- 95	1890- 95	1891- 94	
WI OSHKOSH	6330-06	44-02	88-33	750	1888- 97	1888- 97	1888- 97	1891- 94	
WI PORTAGE	6718-08	43-32	89-26	800	1887- 98	1887- 98	1890- 91	1896- 89	
WI PRAIRIE DU CHIEN	6827-07	43-02	91-09	658	1822-121	1836-105	1822-115	1891- 94	
WI RACINE	6922-09	42-42	87-46	595	1855- 99	1896- 89	1855- 97	1896- 89	
WI SPOONER EXPERIMENT FARM	8027-01	45-49	91-53	1100	1894- 91	1894- 91	1894- 91	1894- 91	
WI STANLEY	8110-01	44-58	90-56	1120	1903- 82	1903- 82	1903- 82	1903- 82	
WI VIROQUA 2NW	8827-07	43-34	90-54	1200	1889- 95	1889- 95	1889- 95	1891- 94	
WI WATERTOWN	8919-08	43-11	88-44	820	1891- 94	1891- 94	1891- 94	1891- 94	
WI WAUKESHA	8937-09	43-01	88-14	860	1856- 98	1856- 95	1856- 93	1894- 89	
WY ALTA INNW	0140-02	43-47	111-02	6430	1909- 76	1909- 76	1909- 76	1909- 76	CNTY UINTA PRE 12/1924
WY BASIN	0540-04	44-23	108-03	3837	1898- 87	1898- 87	1898- 87	1898- 87	
WY BORDER 3N	0915-03	42-15	111-02	6120	1902- 83	1902- 83	1902- 83	1902- 83	CNTY UINTA PRE 1920
WY BUFFALO BILL DAM	1175-04	44-30	109-11	5156	1905- 80	1905- 80	1905- 80	1905- 80	CNTY BIG HORN PRE 09/191
WY CHUGWATER	1730-08	41-45	104-49	5282	1900- 85	1900- 85	1900- 85	1900- 85	CNTY LARAMIE PRE 09/1922
WY COLONY	1905-06	44-56	104-12	3570	1914- 71	1914- 71	1914- 71	1915- 70	
WY DIVERSION DAM	2595-09	43-14	108-56	5575	1907- 74	1907- 74	1907- 74	1907- 74	
WY EVANSTON 1E	3100-03	41-16	110-57	6810	1889- 92	1889- 90	1889- 90	1898- 86	
WY GREEN RIVER	4065-03	41-32	109-28	6089	1897- 83	1897- 83	1897- 83	1897- 82	
WY LUSK	5830-07	42-46	104-28	5020	1889- 95	1889- 95	1889- 95	1891- 93	CNTY CONVERSE PRE 09/191
WY PATHFINDER DAM	7105-10	42-28	106-51	5930	1899- 86	1899- 86	1899- 86	1899- 86	
WY PAVILLION	7115-09	43-15	108-41	5440	1919- 66	1919- 66	1919- 66	1919- 66	
WY POWELL	7380-04	44-45	108-46	4378	1907- 74	1907- 74	1907- 74	1907- 74	TO 7388
WY POWELL FIELD STATION	7388-04	44-47	108-45	4370	1964- 21	1980- 5	1980- 5	1980- 5	FROM 7380
WY SHERIDAN FIELD STATION	8160-05	44-50	106-50	3750	1891- 92	1891- 93	1891- 91	1891- 88	
WY WHEATLAND 4N	9615-08	42-07	104-57	4638	1889- 94	1889- 93	1890- 92	1891- 91	CNTY LARAMIE PRE 04/1913
WY YELLOWSTONE PARK	9905-01	44-58	110-42	6200	1886- 99	1889- 96	1886- 99	1887- 98	
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