

Data Services

THE NEED

North Carolina has a complex climate due to its three distinct regions: the mountains, the piedmont, and the coastal plain. Climate affects many aspects of our daily lives - agriculture, environment, transportation, tourism, and natural disasters to name a few. Nearly one-third of our nation's economic activity is estimated to be sensitive to weather and climate. When making climate- and weather-sensitive decisions, many citizens, businesses and local governments seek data and expertise.

SERVING THE NEED

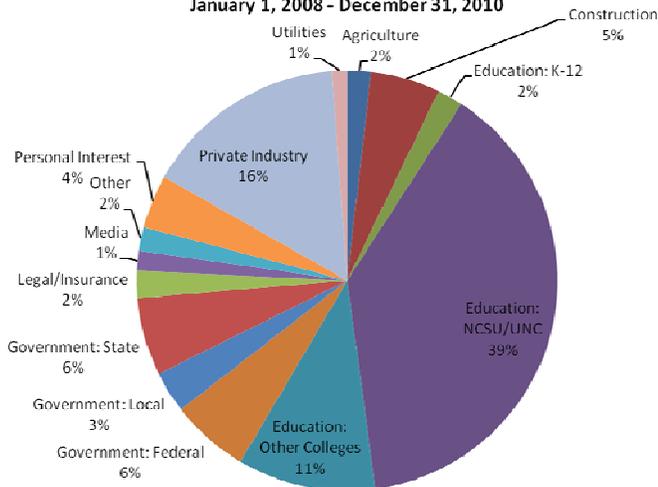
The NC Climate Office developed and maintains a research-quality database of environmental data from the Southeast U.S. Data from over 29,000 stations (14 different networks of different units and standards) are seamlessly archived in the Climate Retrieval and Observations Network of the Southeast (CRONOS) for easy access. Clients can request climate data from this database and all derived products and services. Since its launch in 2003, CRONOS has seen a steady increase in its use and now averages 4,000-6,000 queries per month (as of March 2011). The NC Climate Office also operates a high quality network of 37 environmental observing stations, called the NC Environment and Climate Observing Network (ECONet).

IMPACT

A total of 1,826 requests for data were fulfilled during 2008-2010.

Data Requests by Classification

January 1, 2008 - December 31, 2010



Recent Client Testimonials:

- "I completed a request form ... in less than one hour I had the data." – Robert N.
- "Excellent service....very responsive and exactly the information I needed to do my job." – Landon D.
- "Thanks for your prompt response. The data you have provided will help me get part of my research done. I do appreciate your help so so much." -- Naser A.
- "Thanks so much...you guys are an excellent resource!" – David J.
- "Thanks very much for the rainfall info you sent to me. It has helped greatly in pinpointing the amounts of rain required to trigger the leak in the property." – Jason M.
- "Thank you for the prompt response and information, it has been very helpful for my Viticulture report." – Renee S.
- "Thank you for making my job more productive and helping me provide accurate information to our clients." – Mary T.

PARTNERS & SUPPORT

CRONOS archives data from the NC ECONet (operated and maintained by the NC Climate office), NOAA's National Climatic Data Center, Federal Aviation Administration, National Weather Service, USGS, NDBC, CoCoRaHS, US Forest Service, NC Division of Water Resources, and others. Partners and sponsors of the NC Climate Office include NC State University, NC Agricultural Research Service, NC Cooperative Extension Service, NC Sea Grant, Southeast Regional Climate Center, RISAs, American Association of State Climatologists, and many other state, regional and national partners.