

Climate and Weather- Part 1: Introduction ^[1]

Climate and Weather

by Peter J. Robinson and Gregory B. Fishel, 2006

See also:

[Climate and Weather Overview](#) ^[2] (from *NC Atlas Revisited*)

[Weather and Climate in a Snap!](#) ^[3]

Related: [Hurricanes](#) ^[4]; [Tornadoes](#) ^[5]; [Wet Year](#) ^[6]; [Year without a Summer](#) ^[7]

[Climate and Weather- Part 1: Introduction](#)

[Climate and Weather- Part 2: Climatic Factors, Precipitation Patterns, and Seasonal Trends](#) ^[8]

[Climate and Weather- Part 3: Droughts and Floods in North Carolina](#) ^[9]



Weather Station, Hatteras Village, Roanoke Island, NC, no date (c.1900-1909). From the General Negative Collection, NC State

Part 1: Introduction Archives, call #: N-77-4-19.

^[10]

Climate and Weather in North Carolina are as varied as that of any state, with four distinct seasons and a wide variety of conditions and storms, from paralyzing snowstorms in winter to major hurricanes in late summer and fall. Because the state's geography ranges from Atlantic [coastline](#) ^[11] in the east to western [mountains](#) ^[12] reaching several thousand feet in height, temperature extremes in North Carolina vary greatly from place to place and from season to season. The overall climate is relatively warm; even in the mountains, North Carolina's coldest region, the average temperature in January remains above freezing. The state's record low is -25°, recorded at [Grandfather Mountain](#) ^[13] in [Avery County](#) ^[14] on 30 Jan. 1966. North Carolina's highest recorded temperature, 110°, occurred at [Fayetteville](#) ^[15] on 22 Aug. 1983. The frost-free season in the state ranges from an average of 170 days in the west to 280 days in the east.

Keep reading >> [Part 2: Climatic Factors, Precipitation Patterns, and Seasonal Trends](#) ^[8] ➡ ^[8]

References:

Jay Barnes, *North Carolina's Hurricane History* (3rd ed., 2001).

Charles B. Carney and Albert V. Hardy, *Weather and Climate in North Carolina* (1963).

William S. Powell, *North Carolina: The Story of a Special Kind of Place* (1987).

Additional Resources:

"Geography of North Carolina," *North Carolina Department of Public Instruction*, <http://www.ncpublicschools.org/curriculum/socialstudies/elementary/studentsampler/20geography#maps> ^[16]

"North Carolina: Facts, Map, and State Symbol," *Enchanted Learning*, last modified 2010,

<http://www.enchantedlearning.com/usa/states/northcarolina/> [17]

"North Carolina Geography and Climate," *Secretary of State/Kids Page*, "<http://www.secretary.state.nc.us/kidspg/>" [18]

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Weather Station, Hatteras Village, Roanoke Island, NC, no date (c.1900-1909). From the General Negative Collection (original is in the H. H. Brimley Photograph Collection, PhC42_Bx7_Cape Hatteras_F10), North Carolina State Archives call #: N-77-4-19. Available from <https://www.flickr.com/photos/north-carolina-state-archives/2434767382/> [10] (accessed October 31, 2012).

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From:

[Encyclopedia of North Carolina, University of North Carolina Press.](#) [23]

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