

## **Climate and Weather- Part 1: Introduction** <sup>[1]</sup>

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### **Climate and Weather**

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

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[Climate and Weather Overview](#) <sup>[2]</sup>(from *NC Atlas Revisited*)

[Weather and Climate in a Snap!](#) <sup>[3]</sup>

**Related:** [Hurricanes](#) <sup>[4]</sup>; [Tornadoes](#) <sup>[5]</sup>; [Wet Year](#) <sup>[6]</sup>; [Year without a Summer](#) <sup>[7]</sup>

Climate and Weather- Part 1: Introduction

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

[Climate and Weather- Part 3: Droughts and Floods in North Carolina](#) <sup>[9]</sup>



**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.

<sup>[10]</sup>

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](#) <sup>[11]</sup> in the east to western [mountains](#) <sup>[12]</sup> 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](#) <sup>[13]</sup> in [Avery County](#) <sup>[14]</sup> on 30 Jan. 1966. North Carolina's highest recorded temperature, 110°, occurred at [Fayetteville](#) <sup>[15]</sup> 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](#) <sup>[8]</sup>  <sup>[8]</sup>

**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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## Authors:

[Fishel, Gregory B.](#) [22]

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[Encyclopedia of North Carolina, University of North Carolina Press.](#) [24]

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