

## Climate Change Trends, Carl Sandburg Home National Historic Site, North Carolina

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Historical and projected climate trends for the 50 km x 50 km area that includes the park  
(Gonzalez et al. 2010, IPCC 2007, Mitchell and Jones 2005).

|                                      | mean | SD             | mean | SD            |
|--------------------------------------|------|----------------|------|---------------|
| <b>Historical (1901-2002)</b>        |      |                |      |               |
| temperature annual average           | 11.6 | 0.6 °C         | 53   | 1 °F.         |
| temperature linear trend             | ~0   | NS °C/century  | ~0   | NS °F./cent.  |
| precipitation annual average         | 1600 | 260 mm/y       | 63   | 10 in./year   |
| precipitation linear trend           | 3    | NS %/century   | 3    | NS %/century  |
| <b>Projected (1990-2100)</b>         |      |                |      |               |
| IPCC B1 scenario (lower emissions)   |      |                |      |               |
| temperature annual average           | 2.3  | 0.8 °C/century | 4    | 1.4 °F./cent. |
| precipitation annual average         | 4    | 8 %/century    | 4    | 8 %/century   |
| IPCC A1B scenario (medium emissions) |      |                |      |               |
| temperature annual average           | 3.4  | 0.8 °C/century | 6    | 1.4 °F./cent. |
| precipitation annual average         | 4    | 8 %/century    | 4    | 8 %/century   |
| IPCC A2 scenario (higher emissions)  |      |                |      |               |
| temperature annual average           | 3.9  | 0.8 °C/century | 7    | 1.4 °F./cent. |
| precipitation annual average         | ~0   | 8 %/century    | ~0   | 8 %/century   |

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NS = not statistically significant

### **References**

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### **For More Information**

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