1000 Years of Changes in Carbon Emissions, CO₂ Concentrations and Temperature

100 000 Years of Temperature Variation in Greenland

Thousands of Years Before Present

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Projected Surface Air Temperature Change
(change from 1981-2000 Average)

Projected Precipitation Change
(% change from 1981-2000 average)

Greenland Ice Sheet Melt Extent
(Annual)

Areas in Florida Subject to Inundation with 100 Centimeter (3.3 ft) Sea Level Rise

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(Winter: Dec-Feb)

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Projected Surface Air Temperature Change: 1990s - 2090s

- Annual

Projected Ice Extent (5-model average for September)

2010 - 2030

2040 - 2060

2070 - 2090

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Projected Surface Air Temperature Change: 1990s - 2090s

- Winter
  (Dec-Feb)