

General Circulation Model Output IPCC 4th Assessment Future 12km North America dataset

The following is taken directly from The University of Santa Clara *Statistically Downscaled WCRP CMIP3 Climate Projections* project website located at http://gdo-dcp.ucllnl.org/downscaled_cmip3_projections/dcpInterface.html

Data Summary

Downscaled 12km translations of contemporary climate projections over the contiguous United States. The original projections are from the [World Climate Research Programme's](#) (WCRP's) [Coupled Model Intercomparison Project phase 3](#) (CMIP3) multi-model dataset, which was referenced in the Intergovernmental Panel on Climate Change Fourth Assessment Report.

Source Data Description

Resolution: 12 kilometer (Geographic, WGS84)
Spatial Extent: Contiguous United States
Temporal Extent: 1950 - 2099 monthly time-series

Climate Variables: Precipitation
Average Temperature

Purpose

The archive was developed to provide planning analysts access to climate projections "downscaled" to a finer spatial resolution. Such access permits development of decision-support information and associated regional and local adaptive strategies under potential climate change. Several types of analyses are supported by this archive, including:

- regionally distributed assessments of projection frequency.
- location-specific assessments of projection frequency.
- climate change impacts assessments for social and natural systems.
- risk-based exploration of planning and policy responses.

Terms of Use

These data are being distributed to interested users for consideration in research and planning applications. Such applications may include any project carried out by an individual or organized by a university, a scientific institute, public agency, or private sector entity for research or planning purposes. Any decision to use these data is at the interested user's discretion and subject to the Disclaimer provided below.

Disclaimer

[Privacy and Legal Notice](#)

These data are being made available to provide immediate access for the convenience of interested persons. While the [Lawrence Livermore National Laboratory](#) (LLNL), [Reclamation](#), and [Santa Clara University](#) (SCU) believe the information to be reliable, human or mechanical error remain a possibility. Therefore, neither LLNL, Reclamation, nor SCU guarantee the accuracy, completeness, timeliness, or correct sequencing of the information. Also, neither LLNL, Reclamation, SCU, nor any of the sources of the information shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information.

Acknowledgements and Citation of these Data

Whenever you publish research based on data from this archive, please include the following acknowledgement of the superceding CMIP3 effort: "*We acknowledge the modeling groups, the Program for Climate Model Diagnosis and Intercomparison (PCMDI) and the WCRP's Working Group on Coupled Modelling (WGCM) for their roles in making available the WCRP CMIP3 multi-model dataset. Support of this dataset is provided by the Office of Science, U.S. Department of Energy.*"

In first making reference to the data from this archive, please first reference the CMIP3 dataset by including the phrase "*the World Climate Research Programme's (WCRP's) Coupled Model Intercomparison Project phase 3 (CMIP3) multi-model dataset*". Subsequent references within the same publication might refer to the CMIP3 data with terms such as "*CMIP3 data*", "*the CMIP3 multi-model dataset*", "*the CMIP3 archive*", or the "*CMIP3 dataset*". Subsequently, please reference this archive by including the phrase "*LLNL-Reclamation-SCU downscaled climate projections derived from the WCRP's CMIP3 multimodel dataset, stored and served at the LLNL Green Data Oasis.*"