

BOREAS RSS-08 BIOME-BGC MODEL SIMULATIONS AT TOWER FLUX SITES IN 1994

Summary:

BIOME-BGC is a general ecosystem process model designed to simulate biogeochemical and hydrologic processes across multiple scales (Running and Hunt, 1993). In this investigation, BIOME-BGC was used to estimate daily water and carbon budgets for the BOREAS tower flux sites for 1994. Carbon variables estimated by the model include gross primary production (i.e., net photosynthesis), maintenance and heterotrophic respiration, net primary production, and net ecosystem carbon exchange. Hydrologic variables estimated by the model include snowcover, evaporation, transpiration, evapotranspiration, soil moisture, and outflow. The information provided by the investigation includes input initialization and model output files for various sites in tabular ASCII format.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/boreas/RSS/biomebgc/comp/RSS08_Biome_BGC.txt.

ORNL DAAC maintains information on the entire [BOREAS Project](#).

Data Citation

Cite this data set as follows:

Kimball, J. S. 1998. BOREAS RSS-08 BIOME-BGC Model Simulations at Tower Flux Sites in 1994. Data set. Available on-line [<http://www.daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A. [doi:10.3334/ORNLDAAC/295](https://doi.org/10.3334/ORNLDAAC/295).

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Data Format:

For information on Parameter/Variable Names, Variable Description/Definition, Units of Measurement, and Data File Format see this companion file
<http://daac.ornl.gov/boreas/RSS/biomebgc/comp/biomebgc.def>

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