

BOREAS RSS-08 BIOME-BGC SSA SIMULATIONS OF ANNUAL WATER AND CARBON FLUXES

Summary:

The BOREAS RSS-08 team performed research to evaluate the effect of seasonal weather and landcover heterogeneity on boreal forest regional water and carbon fluxes using a process level ecosystem model, BIOME-BGC, coupled with remote sensing-derived parameter maps of key state variables. This data set contains derived maps of landcover type and crown and stem biomass as model inputs to determine annual evapotranspiration, gross primary production, autotrophic respiration and net primary productivity within the BOREAS SSA-MSA, at a 30 m spatial resolution. Model runs were conducted over a 3 year period from 1994-1996, images are provided for each of those years.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/boreas/RSS/biomebg2/comp/RSS08_BIOME_BGC_Img.txt.

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

Data Citation

Cite this data set as follows:

Kimball, J. S. 1999. BOREAS RSS-08 BIOME-BGC SSA Simulations of Annual Water and Carbon Fluxes. 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/296](https://doi.org/10.3334/ORNLDAAC/296).

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Data Format:

There is no data format file for this dataset.

Document Information:

19-Mar-1999 (data citation revised on 26-Sep-2002)

Document Review Date:

19-Mar-1999

Document Curator:

webmaster@daac.ornl.gov

Document URL:

<http://daac.ornl.gov>