

DAAC Home > Get Data > Field Campaigns > Boreal Ecosystem-Atmosphere Study (BOREAS) > User guide

# BOREAS TGB-08 PHOTOSYNTHETIC RATE DATA OVER THE SSA-OBS AND THE SSA-OJP

## Get Data

### Summary:

The TGB-08 team collected data to investigate the controls over non-methane hydrocarbon (NMHC) fluxes from boreal forest tree species. This data set includes measurements of photosynthetic rates at mature Jack Pine and Black spruce sites. The two areas used in this research were in the Southern Study Area (SSA) of the BOREAS region: the SSA Old Jack Pine (OJP) and Old Black Spruce(OBS) tower-flux locations. These areas contained mature stands of jack pine and black spruce and were the focal sites in the BOREAS program for studies of biosphere/atmosphere exchange from these two habitat types. The OBS site is situated in a black spruce/sphagnum bog with the largest trees 155 years old and 10-15 m. tall. The OJP site is in a jack pine forest, 80 to 120 years old, which lies on a sandy bench of glacial outwash with the largest tree standing 15 m. tall. Temporally, the data cover the period of 24-May-94 to 19-Sep-94.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/TGB/tgb8prds/comp/TGB08\\_Photosynthesis.txt](http://daac.ornl.gov/daacdata/boreas/TGB/tgb8prds/comp/TGB08_Photosynthesis.txt).

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

### Data Citation

Cite this data set as follows:

Lerdau, M. 1998. BOREAS TGB-08 Photosynthetic Rate Data over the SSA-OBS and the SSA-OJP. 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/393.

### References:

Sellers, P., F. Hall. 1994. Boreal Ecosystem-Atmosphere Study: Experiment Plan. Version 1994-3.0, NASA BOREAS Report (EXPLAN 94).

Sellers, P., F. Hall, H. Margolis, B. Kelly, D. Baldocchi, G. den Hartog, J. Cihlar, M.G. Ryan, B. Goodison, P. Crill, K.J.Ranson, D. Lettenmaier, and D.E. Wickland. 1995. The boreal ecosystem-atmosphere study (BOREAS): an overview and early results from the 1994 field year. *Bulletin of the American Meteorological Society*. 76(9):1549-1577.

Sellers, P., F. Hall, K.F. Huemmrich. 1996. Boreal Ecosystem-Atmosphere Study: 1994 Operations. NASA BOREAS Report (OPS DOC 94).

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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/daacdata/boreas/TGB/tgb8prds/comp/tgb8prds.def>

### Document Information:

18-Nov-1998 (data set citation revised on 10-Sep-2002)

**Document Review Date:**

18-Nov-1998

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**Document URL:**

<http://daac.ornl.gov>



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**Home**

**About Us**

- Who We Are
- Partners
- User Working Group
- Data Citation Policy
- Workshops
- News

**Get Data**

- Complete Dataset List
- Search for Data
- Field Campaigns
- Land Validation
- Regional/Global
- Model Archive

**Submit Data**

- Submit Data Form
- Data Scope and Acceptance
- Data Authorship Policy
- Data Publication Timeline
- Detailed Submission Guidelines

**Data Management**

- Best Practices
- Data Management Plan
- How-to's

**Tools**

- MODIS
- THREDDS
- SDAT
- Daymet
- CARVE Data Viewer
- Soil Moisture Visualizer
- Land - Water Checker

**Help**

- FAQs