

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

BOREAS TF-01 SSA-OA UNDERSTORY FLUX, METEOROLOGICAL, AND SOIL TEMPERATURE DATA

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Summary:

The BOREAS TF-01 team collected energy, carbon dioxide, and momentum flux data under the canopy along with meteorological and soils data at the BOREAS SSA-OA site from mid-October to mid-November of 1993 and throughout all of 1994.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/TF/tf01uflx/comp/TF01_UnderCanopy_Flux.txt.

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

Data Citation

Cite this data set as follows:

Black, T. A. 2000. BOREAS TF-01 SSA-OA Understory Flux, Meteorological, and Soil Temperature Data. 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/513](https://doi.org/10.3334/ORNLDAAC/513).

References:

Baldocchi, D.D. 1997. Flux footprints within and over forest canopy. *Boundary-Layer Meteorology*, 85, 273-292.

Black T.A., G. den Hartog, H.H. Neumann, P.D. Blanken, P.C. Yang, C. Russell, and Z. Nestic. 1996. Annual cycle of water vapor and carbon dioxide fluxes in and above a boreal aspen forest. *Global Change Biology*, 2, 101-111.

Blanken, P.D. 1997. Evaporation within and above a boreal aspen forest. Ph.D. Thesis of UBC, 79-84.

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

Sellers, P. and F. Hall. 1996. Boreal Ecosystem-Atmosphere Study: Experiment Plan. Version 1996-2.0, NASA BOREAS Report (EXPLAN 96).

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

Sellers, P., F. Hall, and K.F. Huemmrich. 1997. Boreal Ecosystem-Atmosphere Study: 1996 Operations. NASA BOREAS Report (OPS DOC 96).

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.J., F.G. Hall, R.D. Kelly, A. Black, D. Baldocchi, J. Berry, M. Ryan, K.J. Ranson, P.M. Crill, D.P. Lettenmaier, H. Margolis, J. Cihlar, J. Newcomer, D. Fitzjarrald, P.G. Jarvis, S.T. Gower, D. Halliwell, D. Williams, B. Goodison, D.E. Wickland, and F.E. Guertin. 1997. BOREAS in 1997: Experiment overview, scientific results, and future directions. *Journal of Geophysical Research* 102(D24):28,731-28,769.

Yang, P.C. 1998. Carbon dioxide flux within and above a boreal aspen forest. Ph.D. thesis, University of British Columbia, Vancouver, Canada.

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/TF/TF01uflx/comp/TF01uflx.def>

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[Data Citation Policy](#)
[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](#)