



# BOREAS TE-02 CONTINUOUS WOOD RESPIRATION DATA

[Get Data](#)

## Summary:

The BOREAS TE-02 team collected several data sets in support of its efforts to characterize and interpret information on the respiration of the foliage, roots, and wood of boreal vegetation. This data set contains measurements of wood respiration measured continuously (about once per hour) in the NSA during the growing season of 1994.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/TE/te2wdrs2/comp/TE02\\_Wood\\_Resp\\_Cont.txt](http://daac.ornl.gov/daacdata/boreas/TE/te2wdrs2/comp/TE02_Wood_Resp_Cont.txt).

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

## Data Citation

Cite this data set as follows:

Ryan, M. G., and M. Lavigne. 1999. BOREAS TE-02 Continuous Wood Respiration 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/314.

## References:

Field, C.B., J.T. Ball, and J.A. Berry. 1991. Photosynthesis: principles and field techniques. In *Plant Physiological Ecology*, edited by R.W. Pearcy, J. Ehleringer, H.A. Mooney, and P.W. Rundel, Chapman and Hall, London, pp. 206-253.

Lavigne, M.B. and M.G. Ryan. 1997. Growth and maintenance respiration rates of aspen, black spruce and jack pine stems at northern and southern BOREAS sites. *Tree Physiol.*, BOREAS Special Issue, 17:543-551.

Ryan, M.G., S.T. Gower, R.M. Hubbard, R.H. Waring, H.L. Gholz, W.P. Cropper, and S.W. Running. 1995. Woody tissue maintenance respiration of four conifers in contrasting climates. *Oecologia* 101:133-140.

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 (OPSDOC 94).

Sellers, P., F. Hall, and K.F. Huemmrich. 1997. Boreal Ecosystem-Atmosphere Study: 1996 Operations. NASA BOREAS Report (OPSDOC 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. *JGR, BOREAS Special Issue*, 102 (D24), 28,731-28,769.

## 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/TE/te2wdrs2/comp/te2wdrs2.def>

## Document Information:

29-Mar-1999 (data citation revised on 24-Sep-2002)

### Document Review Date:

29-Mar-1999

### Document Curator:

[uso@daac.ornl.gov](mailto:uso@daac.ornl.gov)

### Document URL:

<http://daac.ornl.gov>



[Privacy Policy](#) | [Feedback](#) | [Help](#)



#### [Home](#)

#### [Contact Us](#)

#### 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](#)