



About Us

Get Data

Submit Data

Data Management

Tools

Sign in

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

BOREAS TE-05 TREE RING AND CARBON ISOTOPE RATIO DATA

[Get Data](#)

Summary:

These data include tree ring widths and cellulose carbon isotope data from coniferous trees collected at the BOREAS NSA and SSA by the BOREAS TE-05 team. Ring width data are provided for both *Picea mariana* and *Pinus banksiana*. The carbon isotope data are provided only for *Pinus banksiana*.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/TE/te5treer/comp/TE05_Tree_Ring.txt.

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

Data Citation

Cite this data set as follows:

Ehleringer, J., J. R. Brooks, and L. Flanagan. 1998. BOREAS TE-05 Tree Ring and Carbon Isotope Ratio 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/327.

References:

Coleman, D.C., and B. Fry. 1991. Carbon Isotope Techniques. Academic Press, San Diego, pp. 273.

Cook, E.R., and L.A. Kairiukstis. 1990. Methods of Dendrochronology: Applications in the Environmental Sciences. Kluwer Academic Publishers, Dordrecht, pp. 394.

Leavitt, S.W., and S.R. Danzer. 1992. Methods for batch processing small wood samples to holocellulose for stable-carbon isotope analysis. *Anal. Chem.* 65: 87-89.

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., and F. Hall. 1997. BOREAS Overview Paper. *JGR Special Issue* (in press).

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.

Data Format:

For information on Parameter/Variable Names, Variable Description/Definition, Units of Measurement, and Data File Format see the companion file <http://daac.ornl.gov/daacdata/boreas/TE/te5treer/comp/te5treer.def>.

Document Information:

09-July-1998 (data citation revised on 25-Sep-2002)

Document Review Date:

09-July-1998

Document Curator:

uso@daac.ornl.gov

Document URL:

<http://daac.ornl.gov>



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



Home

About Us

- Who We Are
- Partners
- User Working Group
- 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

Contact Us