

Welcome back, Jim:  Cart  History  Profile

Staff links: ▼ Select Staff Link ▼

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

# BOREAS AES FIVE-DAY AVERAGED SURFACE METEOROLOGICAL AND UPPER AIR DATA

## Get Data

Feedback

### Summary:

The Canadian Atmospheric Environment Service (AES) provided BOREAS with hourly and daily surface meteorological data from 23 of the AES meteorological stations located across Canada and upper air data from 1 station at The Pas, Manitoba. Due to copyright restrictions on the full resolution surface meteorological data, this data set contains 5-day average values for the surface parameters. The upper air data are provided in their full resolution form. The 5-day averaging was performed in order to create a data set that could be publicly distributed at no cost. Temporally, the surface meteorological data cover the period of January 1975 to December 1996 and the upper air data cover the period of January 1961 to November 1996.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/STAFF/aes5davg/comp/AES\\_Hist\\_Met\\_Avg.txt](http://daac.ornl.gov/daacdata/boreas/STAFF/aes5davg/comp/AES_Hist_Met_Avg.txt).

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

### Data Citation

Cite this data set as follows:

Strub, R., and J. A. Newcomer. 1999. BOREAS AES Five-Day Averaged Surface Meteorological and Upper Air 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/236.

### References:

AES, 1989. Climatological Station Catalogue - Prairie Provinces. Environment Canada. Atmospheric Environment Service.

Sellers, P. and 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, and K.F. Huemmrich. 1996. Boreal Ecosystem-Atmosphere Study: 1994 Operations. NASA BOREAS Report (OPS DOC 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. 1997. Boreal Ecosystem-Atmosphere Study: 1996 Operations. NASA BOREAS Report (OPS DOC 96).

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 (JGR), BOREAS Special Issue, 102(D24), Dec. 1997, pp. 28731-28770.

### 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/STAFF/aes5davg/comp/aes5davg.def>

## Document Information:

18-Mar-1999 (data set citation revised on 12-Sep-2002)

### Document Review Date:

18-Mar-1999

### Document Curator:

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

**Contact Us**