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# BOREAS TF-10 NSA-YJP TOWER FLUX, METEOROLOGICAL, AND POROMETRY DATA

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### Summary:

The BOREAS TF-10 team collected tower flux and meteorological data at two sites, a fen and a young jack pine forest, near Thompson, Manitoba, Canada, as part of BOREAS. A preliminary data set was assembled in August 1993 while field testing the instrument packages, and at both sites data were collected from 15-Aug to 31-Aug. The main experimental period was in 1994, when continuous data were collected from the young jack pine site from 23 May to 20 Sep. Upon examination of the 1994 data set, it became clear that the behavior of the heat, water, and carbon dioxide fluxes throughout the whole growing season was an important scientific question, and that the 1994 data record was not sufficiently long to capture the character of the seasonal behavior of the fluxes. Thus, the young jack pine site was operated from 08-May to 07-Nov in 1996 in order to collect data from spring melt to autumn freeze-up. All variables are presented as 30-minute averages. Supporting data were also collected to describe the surface's state and to provide the information, in association with the flux data, to build SVAT models. For the young jack pine site, these supporting data included stomatal conductance measurements. Note that only YJP data are included in this data set. Please refer to the other TF-10 data set for fen results.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/TF/tf10flux/comp/TF10\\_NSA\\_YJP\\_Flux.txt](http://daac.ornl.gov/daacdata/boreas/TF/tf10flux/comp/TF10_NSA_YJP_Flux.txt).

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

### Data Citation

Cite this data set as follows:

McCaughey, J. H., and D. E. Jelinski. 1999. BOREAS TF-10 NSA-YJP Tower Flux, Meteorological, and Porometry 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/454.

### References:

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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/TF/tf10flux/comp/tf10flux.def>

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