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# BOREAS TGB-01 CH4 & CO2 CHAMBER FLUX DATA: NSA

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## Summary:

Chamber flux measurements were taken at the Northern Study Area (NSA) Old Jack Pine (OJP), Young Jack Pine (YJP), Old Black Spruce (OBS), and Beaver Pond (BP) sites during the summer of 1994. The purpose of these measurements was to examine the trace gas exchange between the atmosphere and the boreal soils. The BOREAS TGB-01 team made methane (CH<sub>4</sub>) and carbon dioxide (CO<sub>2</sub>) dark chamber flux measurements from 16-May-1994 through 13-Sep-1994. Gas samples were extracted approximately every 7 days from dark chambers and analyzed at the NSA lab facility.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/TGB/tgb1ccfd/comp/TGB01\\_CO2\\_CH4\\_Chmbr.txt](http://daac.ornl.gov/daacdata/boreas/TGB/tgb1ccfd/comp/TGB01_CO2_CH4_Chmbr.txt).

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

## Data Citation

Cite this data set as follows:

Crill, P. M., and R. K. Varner. 1998. BOREAS TGB-01 CH<sub>4</sub> & CO<sub>2</sub> Chamber Flux Data: NSA. 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/374.

## References:

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

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Sellers, P., F. Hall. 1997. BOREAS Overview Paper. JGR Special Issue (1997).

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## 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/TGB/tgb1ccfd/comp/tgb1ccfd.def>

## Document Information:

14-Sept-1998 (data set citation revised on 10-Sep-2002)

### Document Review Date:

14-Sept-1998

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**Document URL:**

<http://daac.ornl.gov>



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