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BOREAS TGB-01 CH4 CONCENTRATION AND FLUX DATA FROM NSA TOWER SITES

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Summary:

The BOREAS TGB-01 team made numerous measurements of trace gas concentrations and fluxes at various NSA sites. This data set contains half-hourly averages of ambient methane (CH₄) measurements and calculated fluxes for the NSA-TF in 1996 and the NSA-BP and NSA-OJP tower sites in 1994. The purpose of this study was to determine the CH₄ flux from the study area by measuring ambient CH₄ concentrations. This flux can then be compared to the chamber flux measurements taken at the same sites.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/TGB/tgb1cfd/comp/TGB01_CH4_TOWER.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 CH₄ Concentration and Flux Data from NSA Tower Sites. 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/375.

References:

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.

Sellers, P. and F. Hall, 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/TGB/tgb1cfd/comp/tgb1cfd.def>

Document Information:

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

Document Review Date:

14-Sept-1998

Document Curator:

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Document URL:

<http://daac.ornl.gov>



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