BOREAS TGB-05 BIOGENIC SOIL EMISSIONS OF NO AND NITROUS OXIDE

Summary:

The BOREAS TGB-05 team made several measurements of trace gas concentrations and fluxes at various NSA sites. This data set contains biogenic soil emissions of nitric oxide and nitrous oxide that were measured over a wide range of spatial and temporal site parameters. Since very little is known about biogenic soil emissions of nitric oxide and nitrous oxide from the Boreal forest, the goal of the measurements was to characterize the biogenic soil fluxes of nitric oxide and nitrous oxide from black spruce and jack pine areas in the boreal forest. The diurnal variation and monthly variation of the emissions was examined as well as the impact of wetting through natural or artificial means. Temporally, the data cover mid-August 1993, June to August 1994, and mid-July 1995.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/boreas/TGB/tgb5nnfd/comp/TGB05_N_Flux.txt.

ORNL DAAC maintains information on the entire BOREAS Project.

Data Citation

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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/boreas/TGB/tgb5nnfd/comp/tgb5nnfd.def.

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