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BOREAS AFM-04 TWIN OTTER AIRCRAFT FLUX DATA

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Summary:

The BOREAS AFM-04 team used the NRC Twin Otter aircraft in 1994 and 1996 to make measurements in the boundary layer of the fluxes of sensible and latent heat, momentum, ozone, methane, and carbon dioxide, plus supporting meteorological parameters such as temperature, humidity, and wind speed and direction. Aircraft position, heading, and altitude were also recorded, as were several radiometric observations for use in interpretation of the data (greenness index, surface temperature, incoming and reflected radiation). Data were collected at both the NSA and SSA during the three 1994 IFCs and in July and August of 1996.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/AFM/afm4tofx/comp/AFM04_AC_Flux.txt.

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

Data Citation

Cite this data set as follows (citation revised on July 17, 2003):

MacPherson, J. I., and R. L. Desjardins. 2000. BOREAS AFM-04 Twin Otter Aircraft Flux 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:10.33334/ORNLDAAC/497](https://doi.org/10.33334/ORNLDAAC/497).

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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/AFM/afm4tofx/comp/afm4tofx.def>

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uso@daac.ornl.gov

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