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## BOREAS/SRC AMS Surface Meteorological and Radiation Data

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## BOREAS/SRC AMS Surface Meteorological and Radiation Data

### Summary:

The Saskatchewan Research Council (SRC) collected surface meteorological and radiation data from December 1993 until December 1996. The data set comprises the Suite A (meteorological and energy balance measurements) and Suite B (diffuse solar and longwave measurements) components. Suite A measurements were taken at each of ten sites, and Suite B measurements were made at five of the suite A sites. These data cover an area of roughly 1000 km by 1000 km (a large portion of northern Manitoba and northern Saskatchewan). The measurement network was designed to provide researchers with a sufficient record of near-surface meteorological and radiation measurements.

A guide document which includes more information about these data sets can be found at [http://daac.ornl.gov/daacdata/boreas/AFM/samsa94d/comp/AFM07\\_SRC\\_AMS.txt](http://daac.ornl.gov/daacdata/boreas/AFM/samsa94d/comp/AFM07_SRC_AMS.txt).

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

### Data Citation:

Cite these data sets as follows:

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite A Surface Meteorological and Radiation Data: 1994. 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/462.

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite A Surface Meteorological and Radiation Data: 1995. 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/463.

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite A Surface Meteorological and Radiation Data: 1996. 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/464.

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite B Surface Meteorological and Radiation Data: 1994. 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/410.

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite B Surface Meteorological and Radiation Data: 1995. 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/411.

Osborne, H., K. Young, V. Wittrock, and S. Shewchuck. 1998. BOREAS/SRC AMS Suite B Surface Meteorological and Radiation Data: 1996. 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/412.

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Shewchuk, S.R. 1996. The Surface Atmospheric Science Mesonet for BOREAS. Submitted to Journal of Geophysical Research, Washington. In press. Saskatchewan Research Council [SRC] Pub. No. E-2310-1 A-96, SRC, Saskatoon, Saskatchewan.

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## Data Format:

For information on Parameter/Variable Names, Variable Description/Definition, Units of Measurement, and Data File Format see these companion files for example <http://daac.ornl.gov/daacdata/boreas/AFM/samsa94d/comp/samsa94a.def>  
<http://daac.ornl.gov/daacdata/boreas/AFM/samsb94d/comp/samsb94a.def>

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