

# **BOREAS RSS-02 EXTRACTED REFLECTANCE FACTORS DERIVED FROM ASAS IMAGERY**

## **Summary:**

Atmospherically-corrected bidirectional reflectance factor means for small homogeneous areas from several BOREAS sites were derived from multi-spectral, multi-angle imagery acquired by the Advanced Solidstate Array Spectroradiometer (ASAS) aboard the C-130 aircraft platform in 1994 and 1996.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/boreas/RSS/asasrefl/comp/RSS02\\_ASAS\\_RefiFact.txt](http://daac.ornl.gov/boreas/RSS/asasrefl/comp/RSS02_ASAS_RefiFact.txt).

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

## **Data Citation**

Cite this data set as follows:

Iron, J. R., and M. Bur. 1999. BOREAS RSS-02 Extracted Reflectance Factors Derived from ASAS Imagery. 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/287](https://doi.org/10.3334/ORNLDAAC/287).

## **References:**

Newcomer, J., D. Landis, S. Conrad, S. Curd, K. Huemmrich, D. Knapp, A. Morrell, J. Nickeson, A. Papagno, D. Rinker, R. Strub, T. Twine, F. Hall, and P. Sellers, eds. 2000. Collected Data of The Boreal Ecosystem-Atmosphere Study. NASA. CD-ROM.

Russell, C. A., J. R. Irons, and P. W. Dabney (1997). Bidirectional reflectance of selected BOREAS sites from multiangle airborne data, *J. Geophys. Res.* 102:29,505-29,516.

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

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.

Sellers, P., F. Hall, K.F. Huemmrich. 1996. Boreal Ecosystem-Atmosphere Study: 1994 Operations. NASA BOREAS Report (OPS DOC 94).

Sellers, P., F. Hall. 1996. Boreal Ecosystem-Atmosphere Study: Experiment Plan. Version 1996-2.0, NASA BOREAS Report (EXPLAN 96).

Sellers, P., F. Hall, K.F. Huemmrich. 1997. Boreal Ecosystem-Atmosphere Study: 1996 Operations. NASA BOREAS Report (OPS DOC 96).

Sellers, P.J., F.G. Hall, R.D. Kelly, A. Black, D. Baldocchi, J. Berry, M. Ryan, K.J. Ranson, P.M. Crill, D.P. Lettenmaier, H. Margolis, J. Cihlar, J. Newcomer, D. Fitzjarrald, P.G. Jarvis, S.T. Gower, D. Halliwell, D. Williams, B. Goodison, D.E. Wickland, and F.E. Guertin. (1997). "BOREAS in 1997: Experiment Overview, Scientific Results and Future Directions", Journal of Geophysical Research (JGR), BOREAS Special Issue, 102(D24), Dec. 1997, pp. 28731-28770.

## **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/boreas/RSS/asasrefl/comp/asasrefl.def>

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[webmaster@daac.ornl.gov](mailto:webmaster@daac.ornl.gov)

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