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# BOREAS TE-04 GAS EXCHANGE DATA FROM BOREAL TREE SPECIES

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## Summary:

Measurements of light, CO<sub>2</sub>, temperature, and humidity response curves were made by the BOREAS TE-04 team during the summer of 1994 using intact attached leaves of boreal forest species located in the BOREAS SSA. These measurements were conducted to calibrate models used to predict photosynthesis, stomatal conductance, and leaf respiration. The data can be used to construct plots of response functions or for parameterizing models. Parameter values suitable for application in SiB2 (Sellers et al., 1996) or the leaf model of Collatz et al. (1991) and programs can be obtained from the investigators.

A guide document which includes more information about this data set can be found at [http://daac.ornl.gov/daacdata/boreas/TE/te04gxda/comp/TE04\\_Gas\\_Exch.txt](http://daac.ornl.gov/daacdata/boreas/TE/te04gxda/comp/TE04_Gas_Exch.txt).

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

## Data Citation:

Cite this data set as follows:

Berry, J. A., J. Collatz, J. Gamon, W. Fu, and A. Fredeen. 1998. BOREAS TE-04 Gas Exchange Data from Boreal Tree Species. Data set. Available online [<http://www.daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A. doi:10.3334/ORNLDAAC/320.

## References:

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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/daacdata/boreas/TE/te04gxda/comp/te04gxda.def>.

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### Document Curator:

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

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