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BOREAS TE-09 PHOTOSYNTHETIC RESPONSE DATA

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Summary:

The BOREAS TE-09 team collected several data sets related to chemical and photosynthetic properties of leaves. This data set describes (1) the response of leaf and shoot-level photosynthesis to ambient and intercellular CO₂ concentration, temperature, and incident PAR for black spruce, jack pine, and aspen during the three IFCs in 1994 in the NSA; (2) the response of stomatal conductance to vapor pressure difference throughout the growing season of 1994; and (3) a range of shoot water potentials (controlled in the laboratory) for black spruce and jack pine.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/daacdata/boreas/TE/te09prd/comp/TE09_Photo_Resp.txt.

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

Data Citation:

Cite this data set as follows:

Dang, Q., H. Margolis, and M. Coyea. 1998. BOREAS TE-09 Photosynthetic Response 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:[10.3334/ORNLDAAC/344](https://doi.org/10.3334/ORNLDAAC/344).

References:

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Dang, Q.L., H. Margolis, M.R. Coyea, M. Sy, and G.J. Collatz. 1997a. Regulation of branch-level gas exchange of boreal trees: roles of shoot water potential and vapor pressure difference. *Tree Physiology*, BOREAS Special Issue 17(8/9):521-535.

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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/te09prd/comp/te09prd.def>.

Document Information:

09-Jun-1998

Document Review Date:

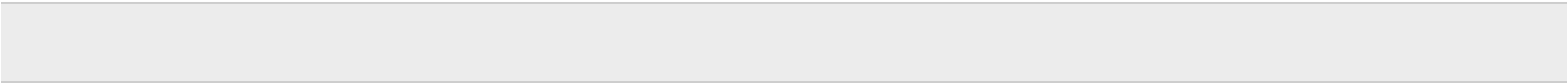
09-Jun-1998 (data citation revised on 25-Sep-2002)

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Document URL:

http://daac.ornl.gov



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