

BOREAS TE-09 IN SITU UNDERSTORY SPECTRAL REFLECTANCE WITHIN THE NSA

Summary:

Spectral reflectance of the forest understory at the ground level, in three boreal forest sites of Northern Manitoba (56 degrees N latitude and 98 degrees W longitude), were obtained and analyzed. The objective of the study was to estimate light levels inside the forest canopy and to link these estimates with airborne images taken above the canopy, in order to tie the photosynthetic experiments and models with the remotely sensed measurements. The Boreal Ecosystem-Atmospheric Study (BOREAS) Terrestrial Ecosystem (TE)-09 project contained several sub-projects designed to work together to meet this goal: a high-resolution canopy modeling component, extensive measurements of canopy architecture and structure, photometric measurements inside the canopy, and spectral measurements of both the canopy and the understory.

A guide document which includes more information about this data set can be found at http://daac.ornl.gov/boreas/TE/te9spref/comp/TE09_Understory_Refl.txt.

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

Data Citation

Cite this data set as follows:

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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/boreas/TE/te9spref/comp/te9spref.def>.

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