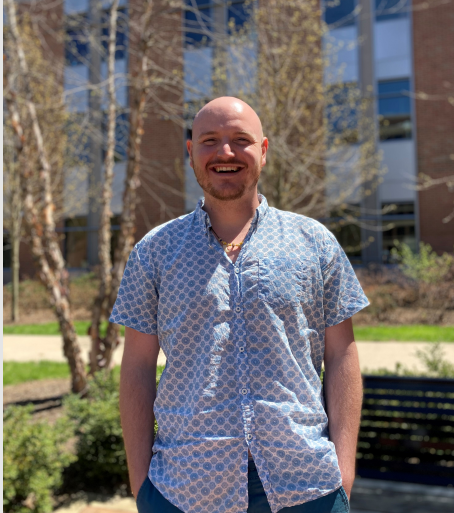




# ASTM7 Awards & Social Hour

Tuesday May 11<sup>th</sup>, 2021

# ABOVE Interns Summer 2021



Ryan Naylor



Ella Hall



Leah Clayton



1 – 2 Indigenous  
Canadian Students



# ABOVE Data Archive

- ABoVE data at ORNL DAAC accessed **>28,000** times by **>7,000** unique users
- **129** ABoVE products at the ORNL DAAC
- ABoVE data cited or acknowledged **59** times in publications

The screenshot shows the ORNL DAAC website interface. At the top, there is a navigation bar with 'EARTHDATA' and 'Other DAACs'. Below this is the ORNL DAAC logo and a search bar. The main content area features the title 'Arctic-Boreal Vulnerability Experiment (ABOVE)' and an 'Overview' section with a description of the experiment. A 'Related Links' section includes 'Browse ABoVE datasets', 'Search ABoVE datasets', and 'Publications citing ABoVE'. At the bottom, there is a 'Arctic-Boreal Vulnerability Experiment Datasets List' with a table of datasets.

Dataset Name	Count
Airborne Science	17
Carbon Dynamics	13
Fire Disturbance	13
Hydrology & Permafrost	28
Project Standards	2
Vegetation	50
Wildlife	6
<b>Total ABoVE datasets</b>	<b>129</b>

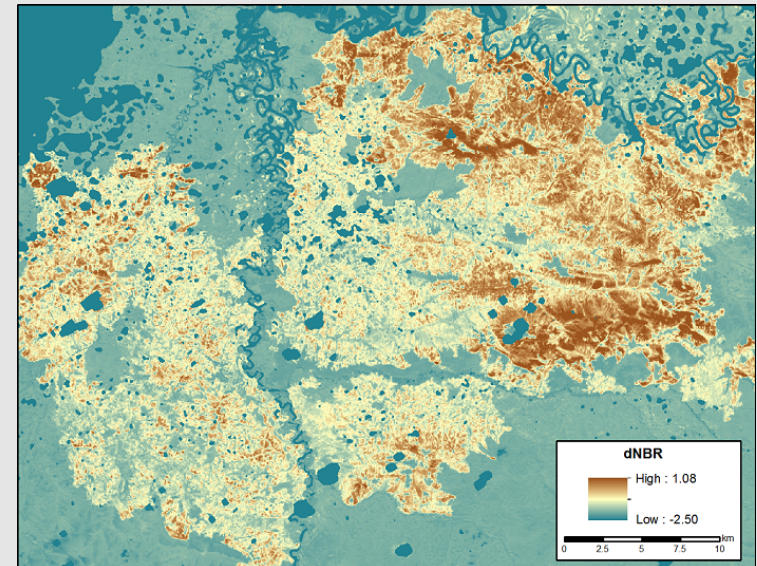
# Most Downloaded Dataset of the Campaign & Most Downloaded in 2020

**ABOVE: Landsat-derived Burn Scar dNBR across Alaska and Canada, 1985-2015**

1214 downloads since 2018

414 downloads in 2020

Loboda, T.V., D. Chen, J.V. Hall, and J. He. 2018. ABoVE: Landsat-derived Burn Scar dNBR across Alaska and Canada, 1985-2015. ORNL DAAC, Oak Ridge, Tennessee, USA. <https://doi.org/10.3334/ORNLDAAC/1564>



# Most Downloaded Dataset 2021

**ABOVE: Fractional Open Water Cover for Pan-Arctic and ABoVE-Domain Regions, 2002-2015**

228 downloads in 2021

Du, J., J.S. Kimball, and J.D. Watts. 2016. ABOVE: Fractional Open Water Cover for Pan-Arctic and ABoVE-Domain Regions, 2002-2015. ORNL DAAC, Oak Ridge, Tennessee, USA. <http://dx.doi.org/10.3334/ORNLDAAC/1362>

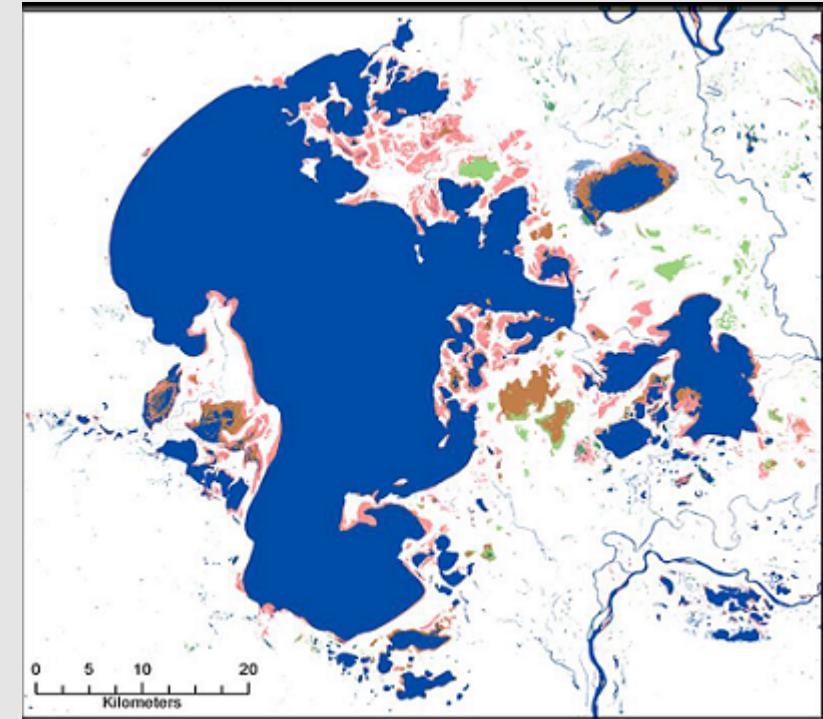


# Most Cited Product

**ABOVE: Surface Water Extent, Boreal and Tundra Regions, North America, 1991-2011**

Cited in 4 publications – RSE, RS (2), FOSS4G

Carroll, M.L., M.R. Wooten, C. Dimiceli, R.A. Sohlberg, and J.R.G. Townshend. 2016. ABOVE: Surface Water Extent, Boreal and Tundra Regions, North America, 1991-2011. ORNL DAAC, Oak Ridge, Tennessee, USA. <https://doi.org/10.3334/ORNLDAAC/1324>



# ABOVE Science Cloud Awards

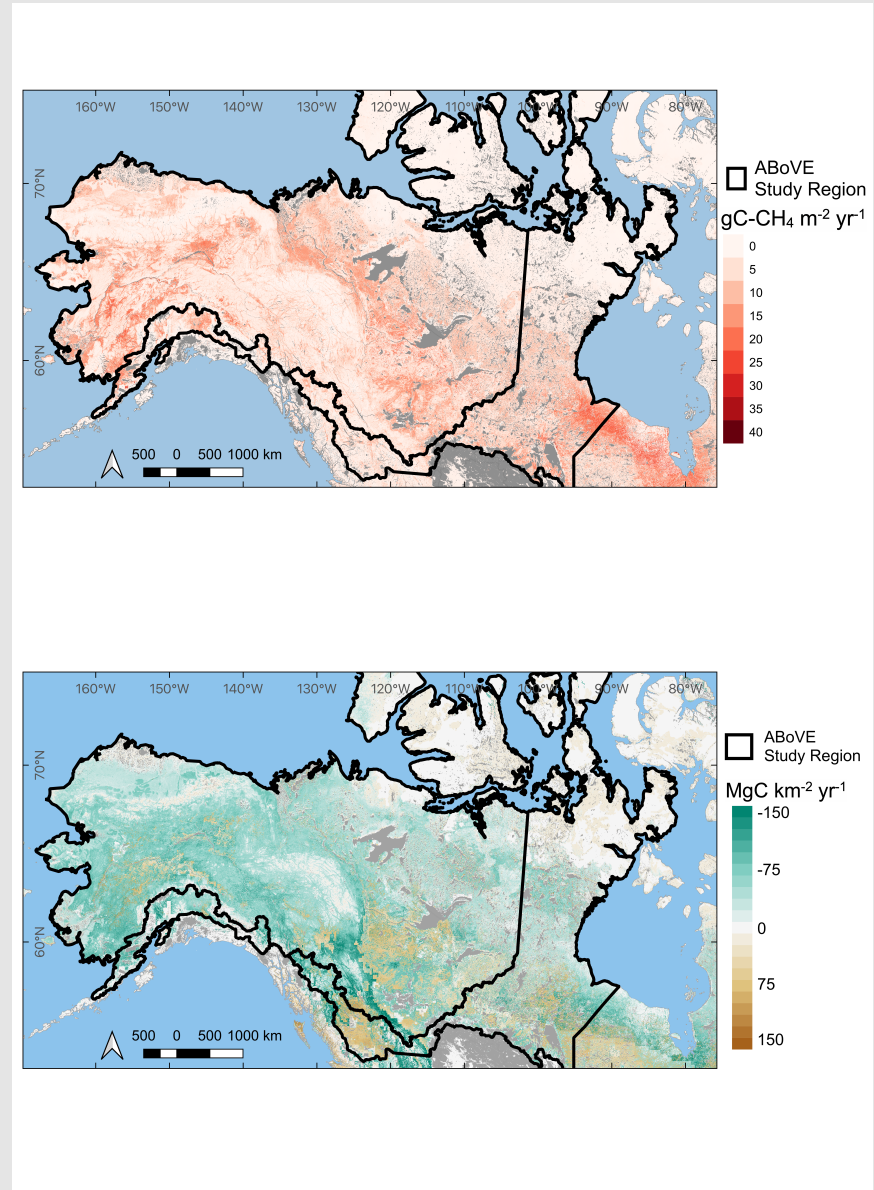


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# ABoVE Science Cloud Awards

- **Mary Farina and Hailey Webb** – for completing over 350,000 jobs on the ABoVE Science Cloud/ADAPT system
  - Preparing inputs and running the Terrestrial Carbon Flux (TCF) model
  - 2 publications in prep:
    - Watts et al. in prep, "Diverging regional patterns observed in northern high latitude terrestrial carbon budgets"
    - Farina et al. in prep, "Carbon budgets and trends in the 2003-2015 flux record"





# ABOVE Science Cloud Awards

- **Stefano Potter** – for completing over 8,000 jobs on the ABoVE Science Cloud/ADAPT system
  - Using MODIS and Landsat data to identify burned areas & model carbon emissions
  - Using ORNL DAAC datasets to build a statistical model of emissions
  - Manuscript in prep.

