Arctic Boreal Vulnerability Experiment (ABoVE)
2019 ABoVE Airborne Flights

7 July 2019 (DOY 188)
AVIRIS-NG: Seward Peninsula – Noatak

Charles Miller, Deputy Science Lead
Jet Propulsion Laboratory, California Institute of Technology
and the ABoVE Science Team

For Hank Margolis, Mike Falkowski, Bruce Tagg, Jack Kaye
NASA HQ
2019
Daily Status:

- AVIRIS-NG / Dynamic Aviation B-200 (N53W)
- REPORT DATE: 7 July 2019
- Current Status of Aircraft: GREEN
- Current Status of AVIRIS: GREEN
- Current Deployment Location: Fairbanks AK (PAFA)
- Crew: S Wilson (PIC), C McCann, M Helminger, J Chapman
- Science Planning: A Thorpe
- Data Processing: W Olsen-Duvall
- Instrument Manager: M Eastwood
- Instrument PI: R Green
- Science Lead: C Miller
Daily Summary:

• Severe clear over the Seward Peninsula and Noatak Delta
• NGEE-Arctic team in the field at Seward Peninsula sites obtaining simultaneous ground truth spectra and vegetation data
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Seward Peninsula – Noatak
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Seward Peninsula Planned Flight Lines

Seward Peninsula Area As-Flown Lines
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Noatak Delta
Planned Flight Lines

Noatak Delta
As-Flown Lines
AVIRIS-NG Quick-look products
https://avirisng.jpl.nasa.gov/cgi/flights.cgi?step=view_flightlog&flight_id=ang20180721t
A. Line 325A-D, FL183, Run ID 183446: Chalkyitsik – Porcupine River
B. Line 325A-D, FL183, Run ID 201426: Chalkyitsik – Porcupine River - reverse

Update

A. A bit of fogging on lower edge of image
B. Popcorn clouds and orthorectification glitch near left edge
Backup
FAA Camera Locations
7 July 2019/DOY 188
Seward Peninsula – Noatak
7 July 2019/DOY 188
Seward Peninsula – Noatak

Noatak (WTK) – 1458 AKDT/2258 UTC
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Seward Peninsula – Noatak

Kotzebue (POTZ) – 1330 AKDT/2130 UTC

Northeast

East

West

Southeast

Directions and heading labels are approximate and are presented in True North.
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Seward Peninsula – Noatak

Kiana (IAN) – 1458 AKDT/2258 UTC

Direction and bearing tables are approximate and are presented in True North