

North Slope of Alaska/ARM Climate Research Facilities: An Update

Mark Ivey¹, Johannes Verlinde², Scott Richardson², Bernard Zak¹, Jeff Zirzow¹, Martin Stuefer³, Jessica Cherry³, Bob Busey³

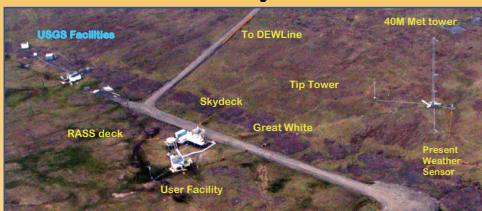
(¹) Sandia National Laboratories, (²) Pennsylvania State University, (³) University of Alaska Fairbanks

Barrow

Winter 2009



Instrument Site by Great White



User Facility
with
IR Loss
and ISDAC
IOPs 2008



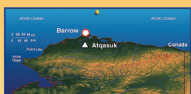
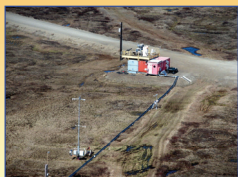
Barrow
Duplex



Maintenance
Building



Atkasuk

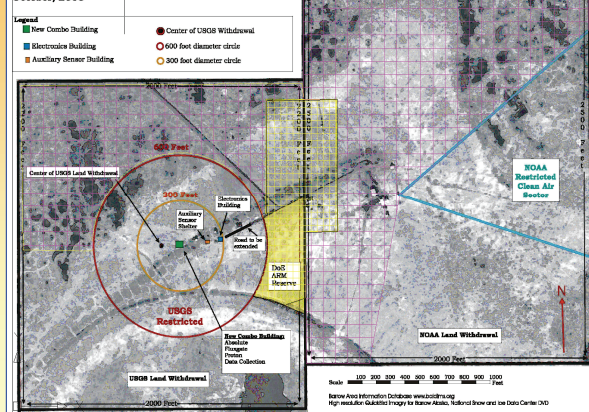


Instruments

- > Short and Longwave
- > Upwelling - IRT, MFR, PIR, PSP,
- > Downwelling - IRT, MFRSR, NIMFR, PIRs, PSP, B&W, NIP
- > MWR
- > Ceilometer
- > Met - WS, WD, T/RH, PWS, CMH

Land Use Plans for Barrow ACRF, NOAA, and USGS

USGS and NOAA Land Withdrawal - Barrow, AK
October, 2008



New Office and Lab Space in the Barrow Arctic Research Center (BARC) Available for ACRF and IOP Use

Barrow Arctic Research
Center (BARC)



Note: BARC has an elevated rooftop with stairwell access to an upper platform deck, which is designed for instrument installations.

Distances from Great White to BARC
and Duplex Shop Deck



Lab - 330
square feet



Office - 120
square feet

