

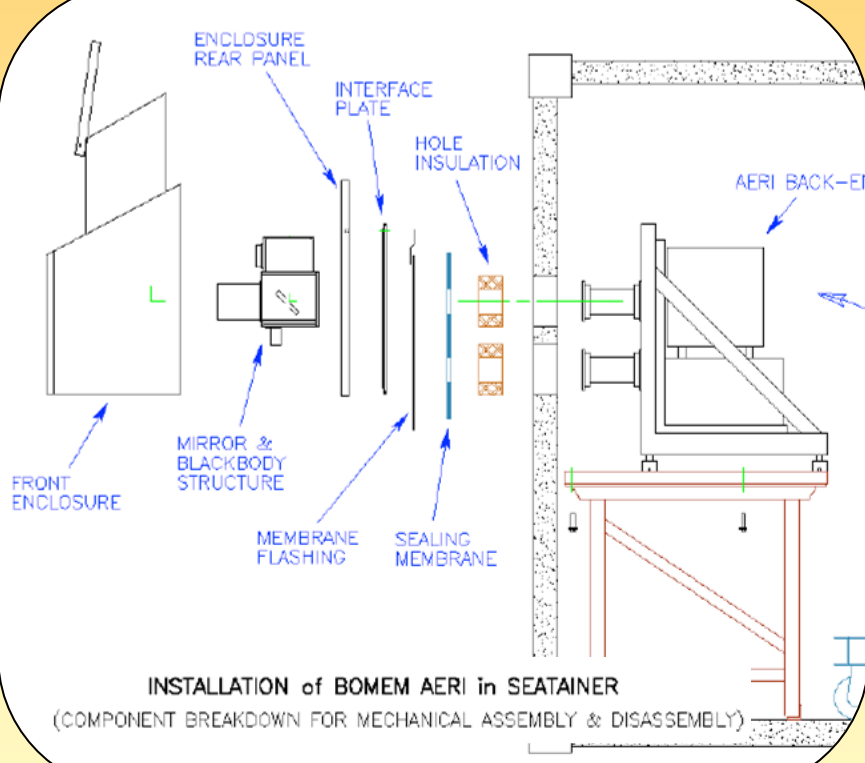
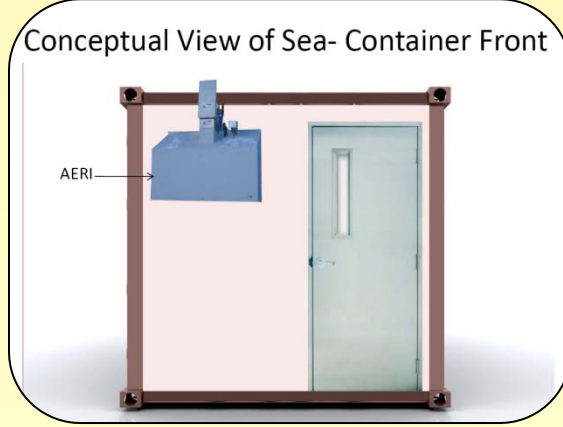




Mark Ivey¹, Jeff Zirzow¹, Fred Helsel¹, Valerie Sparks¹, Johannes Verlinde², Scott Richardson², Martin Stuefer³, Jessica Cherry³,

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

User Shelter Deck

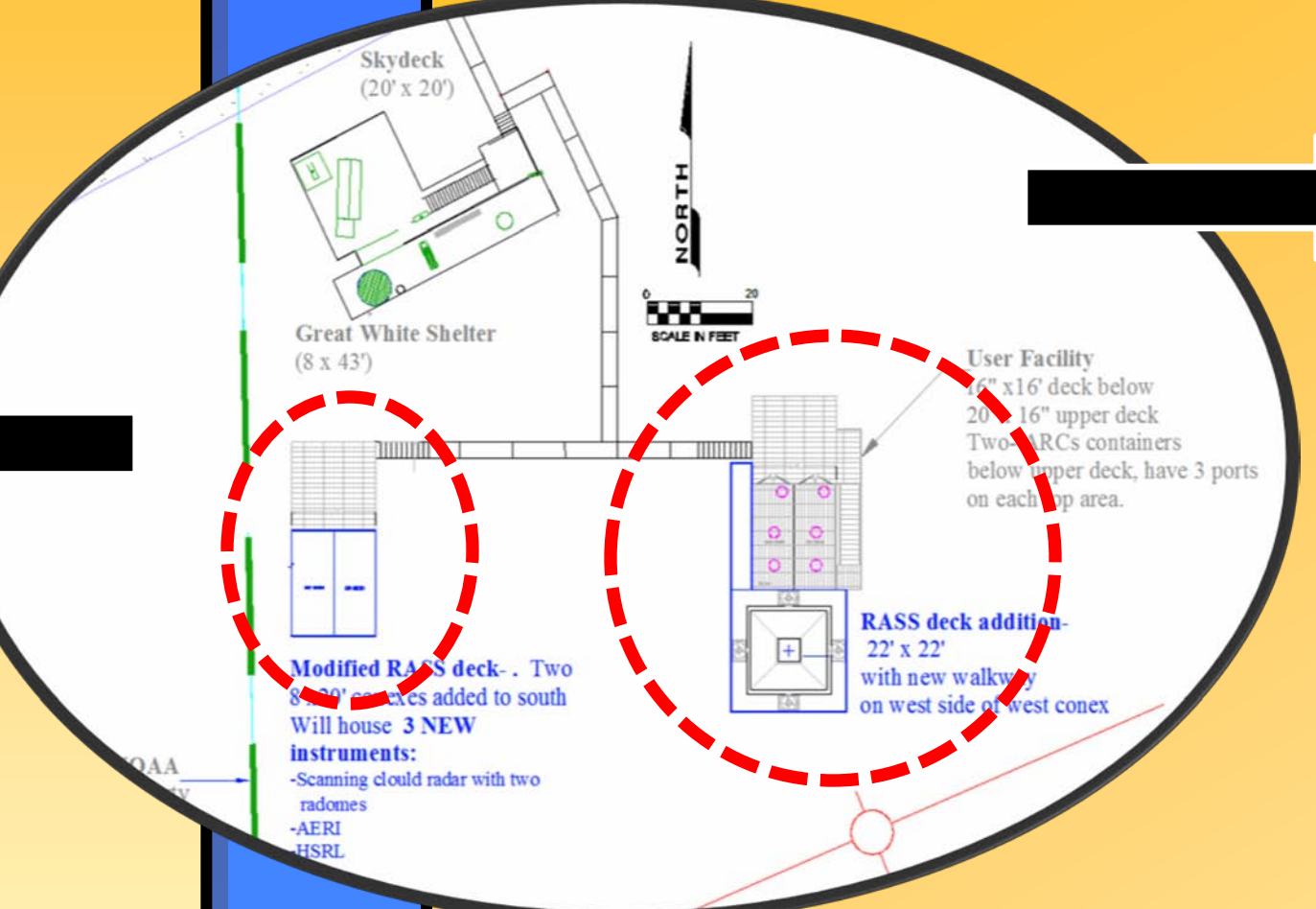
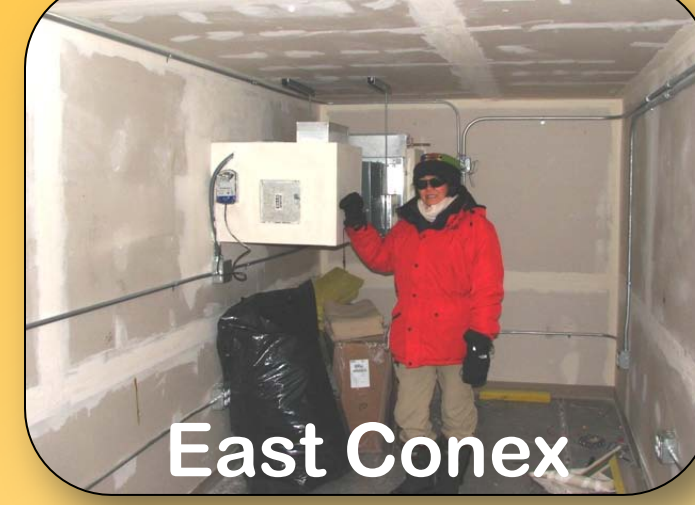








Scanning Cloud Radar (SACR)
Simulated Installation



ER(Extended Range)-AERI

User Facility Modifications







- Radar Wind Profiler at High Frequency – Instrument moved from RASS Deck
- Deck expansion to accept moved RASS
- Insulation, rewiring, sheet rock


Future ECOR Sites - 1 remote, 1 local

Remote- Point Barrow

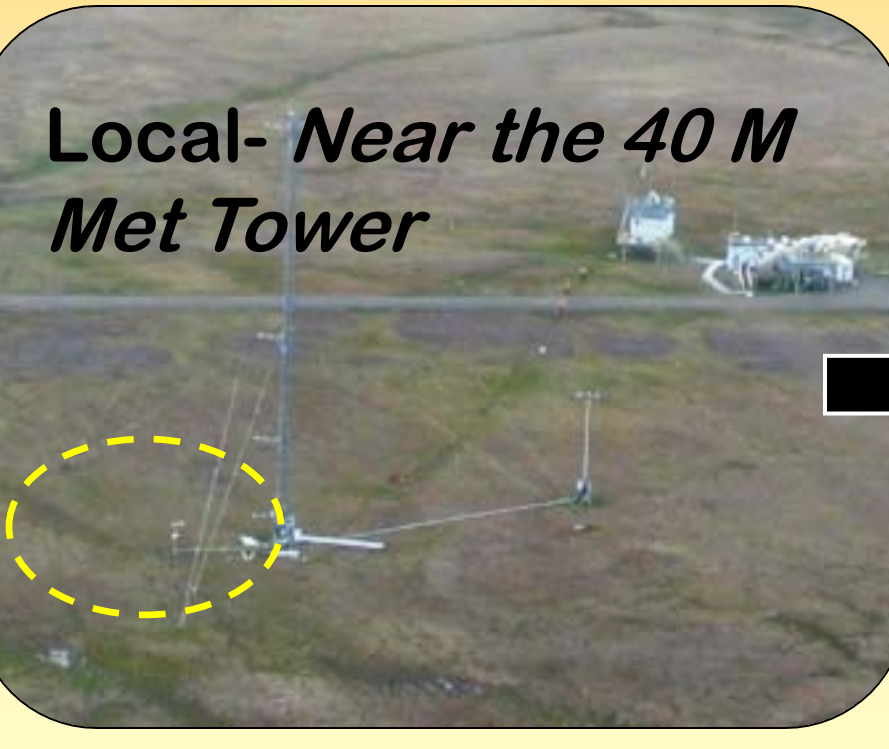
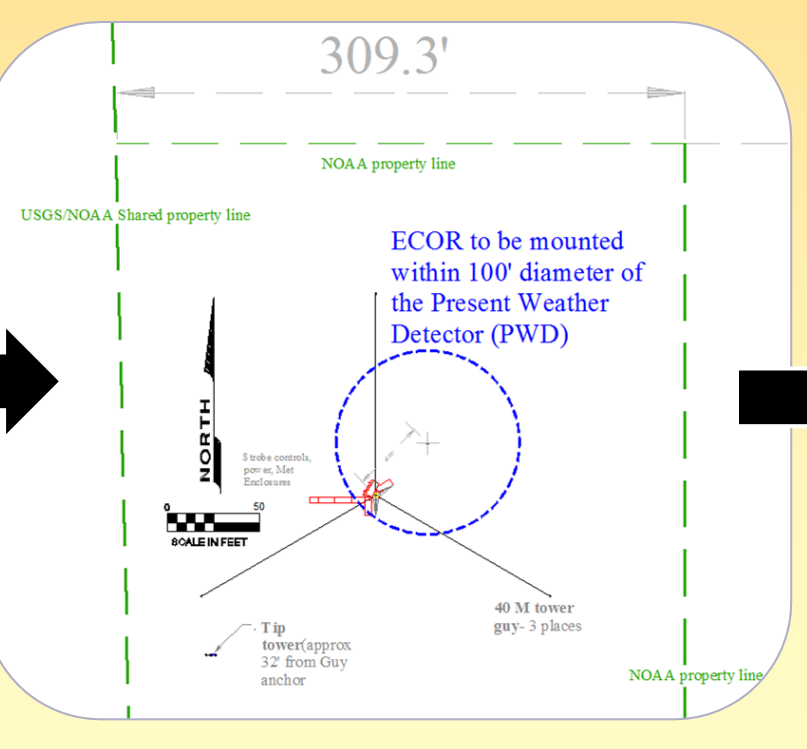

- Late winter through late fall deployments
- Snow machines or ATV access only
- Solar powered & data via RF Communications



Pt 2 Pt 1
Two possible locations




Local- Near the 40 M Met Tower

Instrument - Eddy Correlation Flux Measurement System



Great White








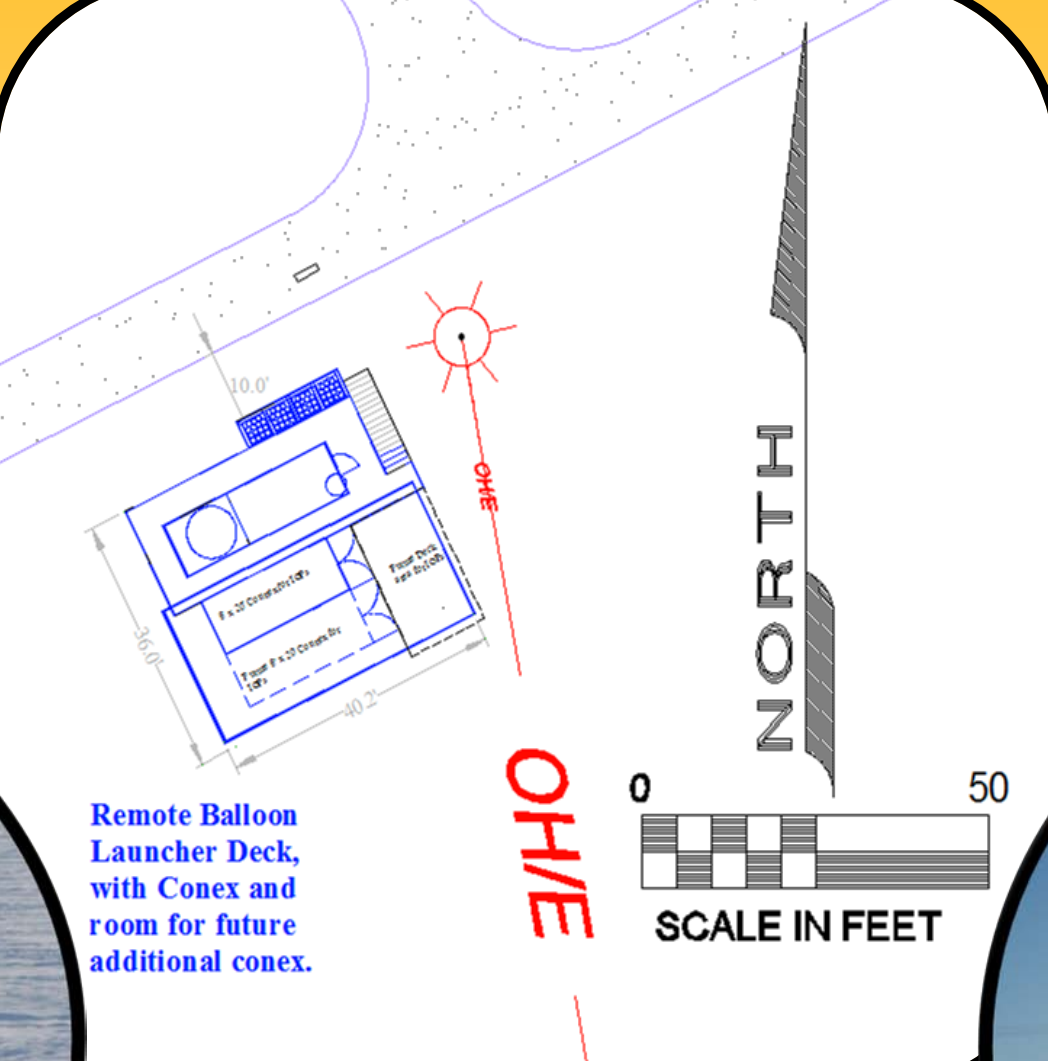

Barrow Arctic Research Center (BARC)

Unit to be mounted on top of BARC Mezzanine

Instrument X-band Scanning ARM Precipitation Radar (XSAPR)

Remote Balloon Launcher

New Instrument – First in ARM Program