



# Sandia National Laboratories

**Through Sandia,  
DOE/ARM\* is putting in place a  
UAS/UAV\*\* hosting capability on  
the North Slope of Alaska**

**\* DOE/ARM = Dept of Energy/Atmospheric Radiation Measurement (program)**

**\*\*UAV: traditional usage – Unmanned Aero Vehicle;**

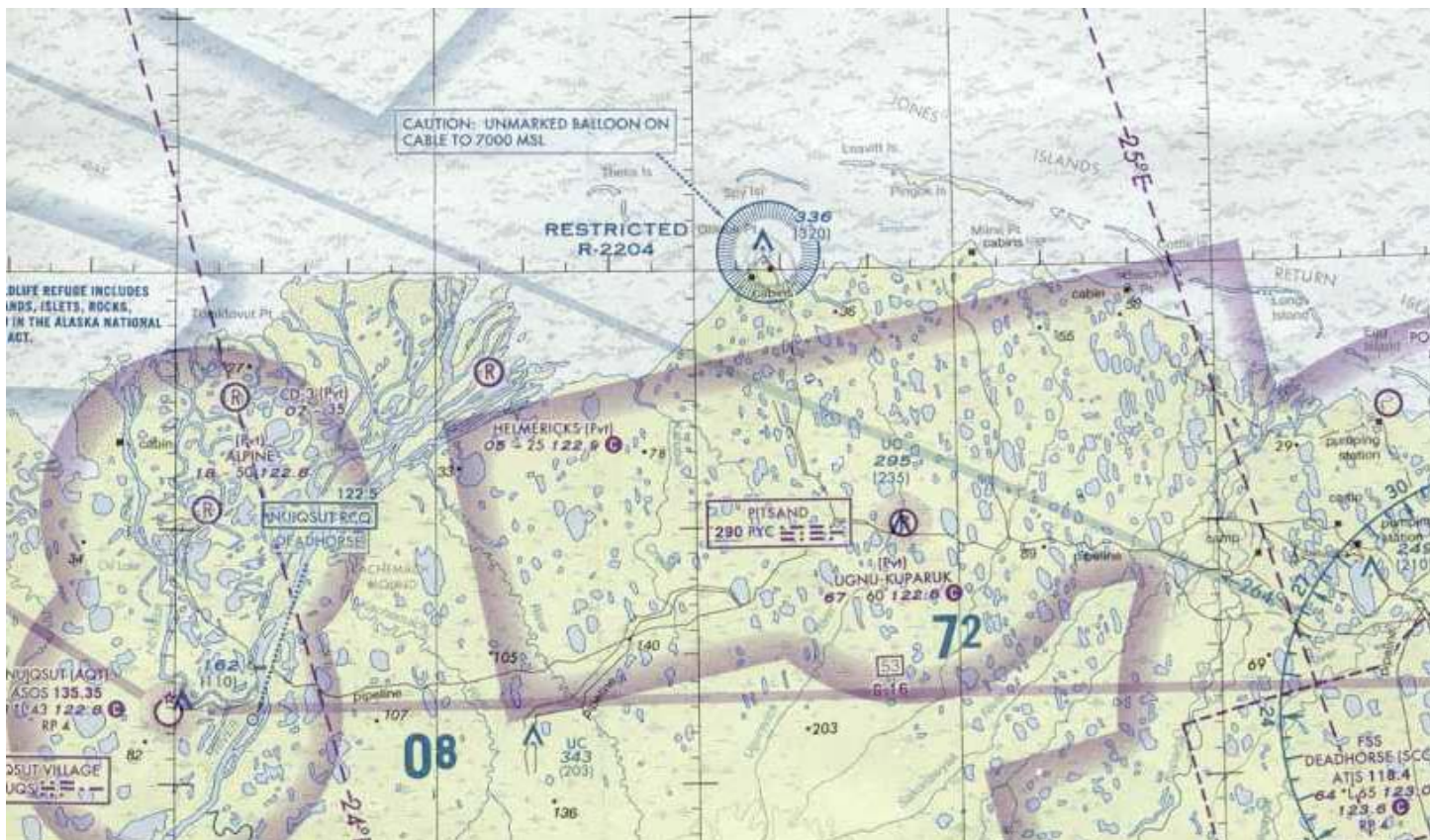
**UAS: FAA preferred – Unmanned Aircraft Systems**



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**ARM Climate Research Facilities (ACRF) already exist at Barrow and Atqasuk;  
DOE/ARM restricted airspace exists at Oliktok Point;  
only restricted airspace on the North Slope of Alaska**

# ACRF UAS Basing Capability: Restricted Airspace R2204 along with Permit to Use the USAF Oliktok Point Radar Station Facilities under R2204





# Oliktok Point USAF Long Range Radar Station





## **ACRF UAS/UAV Capability Status:**

**FAA Issues Resolved**

**DOE Aviation Safety Review Document for First  
Proposed UAS Use of Oliktok Effectively Complete**

**Anticipate First Use within the Next Few Months**

# **First Proposed UAS Tests at Oliktok**

**University of Alaska Fairbanks:**



**In Situ A 20 (Boeing Scan Eagle); 45,000 flight hours, mostly in Iraq;  
20+ hour flight duration**



# Long Range Plan

- **Segment R2204 (0-1500', 1500-7000'); effective 7/31/08**
- **Request Additional Contiguous Restricted Airspace Offshore**
  - Transit Corridor to International Waters**
  - Surface to 18,000' at End of Transit Corridor to Give Access to Class A Airspace Above 18,000' Under FAA Radar Control**
- **Would Permit Unescorted UAS/UAV Flight Anywhere Above 18,000' From Oliktok with an FAA Certificate of Authorization (in particular, anywhere over the Arctic Ocean)**
- **Oliktok is Viewed as a Template for UAS Operations in Other DOE Restricted Airspace**



**For further Information on the use of  
ARM Climate Research Facilities\* Including Oliktok,  
Contact Bernie Zak (BDZak@sandia.gov)**

**\*Taken together, these facilities have been designated a  
national user facility, open to all potential users on a  
mini-proposal basis**