



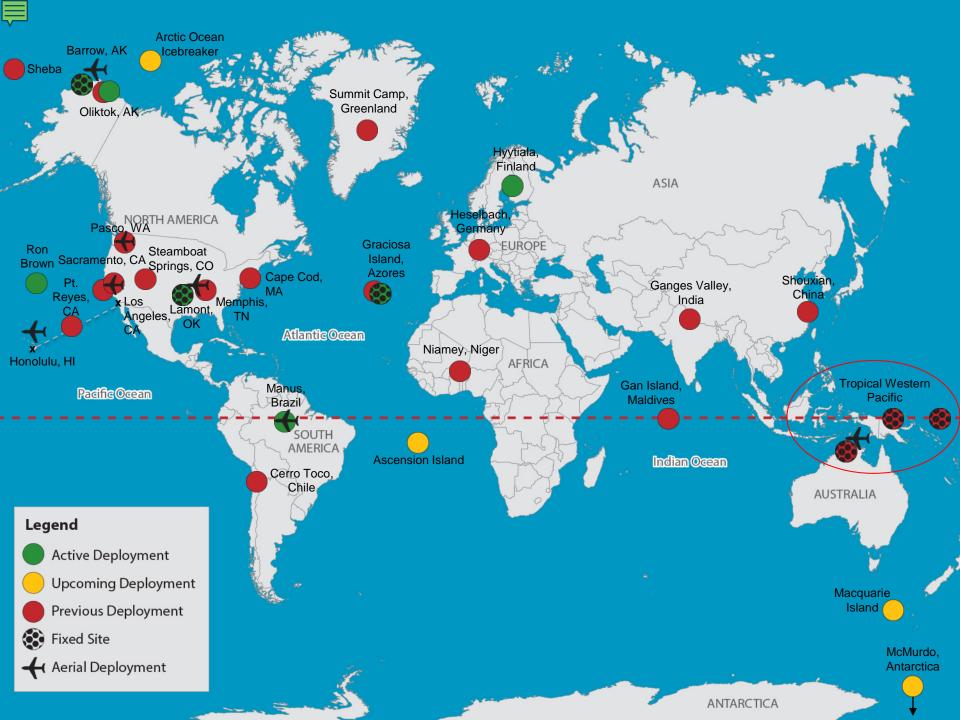
ARM Updates

ARM-ASR Joint User Facility PI Meeting

March 17, 2015

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Rick Petty
ARM Program Managers





Ongoing & recently completed campaigns

GOAmazon

- AMF-1 in Manaus until Dec 2015
- Aerosol session Wed 1:30
- Cloud session Thurs 8 am
- Workshop this May

BAECC

- PI talk Wed am
- Breakout session Thurs 10:30

ACAPEX/CalWater2015

- AMF2 onboard NOAA Ron Brown sampled two atmospheric rivers
- G-1 aircraft flew 29 missions, including several coordinated with NOAA/NASA aircraft





Upcoming campaigns

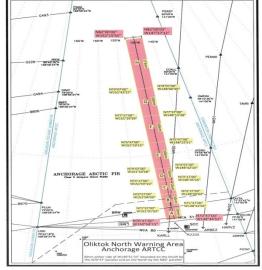
- ERASMUS Spring/Summer 2015 PI Gijs de Boer
 - UAS flights at Oliktok Spring-Summer 2015
- AS-PECAN Summer 2015 PI Dave Turner
 - Joint campaign with NSF to study nocturnal convection in great plains
- ACME carbon flights at SGP and NSA PI Sebastian Biraud
 - SGP flights ongoing through Sep 2016
 - Preparation for NSA flights this summer; payload & flight plans being finalized
- AWARE deployment to Antarctica Oct 2015 PI Dan Lubin
 - Site visit completed & site selection made; working w/ NSF on logistics
 - Hardening instrumentation for Antarctic deployment; finalizing decisions on instrumentation
- LASIC Ascension Island April 2016 PI Paquita Zuidema
 - initial site visit completed; finalizing site selection
 - Breakout session Thurs 10:30
- MOSAIC ice breaker deployment 2018-2019 PI Matt Shupe
 - Informal evening session Tues 7:30 pm

2015 Facility Call

- Requests for AMFs, AAF, MAOS, large campaigns at fixed site competed through annual call
- ~30 pre-proposals received
- Full proposals:
 - Due May 1 for most campaigns
 - Due Apr 1 for 2016 G-1 aerial campaigns
- Science Board review in August
- Next year's call will be released in December
- Small proposals (e.g., guest instrument deployments, enhanced radiosonde launches, special sampling) may be submitted anytime
 - Allow at least 30 days for review/approval

Unmanned Aerial Systems (UAS)

- ARM has draft implementation plan for UAS & tethered balloon activities over next few years
 - Activities jointly managed by SNL and **PNNL**
 - Will center primarily on Oliktok in near term due to restricted area and warning area
- 3-pronged approach:
 - Host IOP activities at UAS with agency, univ, & private partners who provide their own UAS
 - Develop ARM capabilities for routine UAS and tethered balloon flights to measure atmos structure & aerosol/cloud properties
 - Make ARM capabilities available for community proposals through the IOP process

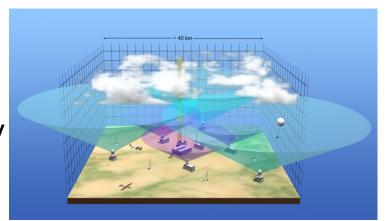






Routine LES modeling

 In October, DOE requested white papers from the National Laboratory on ideas to build a framework for routine LES modeling at SGP site



- 5 white papers received currently out for review
- Anticipate announcing selected project by end of March
- Selected team will:
 - Work closely with ARM facility to integrate modeling framework into ARM infrastructure
 - Work with ASR & broader BER scientific community to ensure utility of modeling output for the community

ARM User Registration

- DOE Office of Science (SC) has released new requirements for collecting information on projects that use SC user facilities
 - This includes users of ARM data archive as well as ARM IOP requests and on-site users
- Main intent is to have an informational database on the science being done at SC user facilities
 - Information collected will be similar to that collected for SC grants
- Archive will be developing a new user registration form by end of FY15
 - Will try to take advantage of this effort to consolidate several existing forms/databases
 - Main change will be to collect more information about the scientific project that is related to your use of the ARM facility
- Will have to indicate whether your information has changed (and update it if necessary) every year
 - Ability to order data may be delayed if your user registration is not complete