

## XDC AUGUST 2009 MONTHLY REPORT

### 3. LOOKING AHEAD

#### XDC:

ACRF SECURITY: Improve security at ACRF Web sites containing sensitive information (See ECO-612 and ECO-563). *Update: SSL Certificates are in place. LDAP servers are running at BNL and ANL and the BNL server is getting any updates from the PeopleDB and is replicating those updates to the ANL server. Next: Develop applications, e.g.: PeopleDB profile editor, IT VLAN and examine options for implementing a single sign-on system.*

PROBLEM REPORTING: Focusing attention on ECO-545 to consolidate DQPR and PIF/CAR problem reporting forms. Mostly complete, reviewing flow of information through different problem states and various roles, responsibilities, and email distribution lists. *Update: release expected at the end of summer. For feature details see: <http://www.db.arm.gov/DQPR/NewFeatures.html>*

TDMA: Hygroscopicity and size distribution released! Optical properties and CCN VAPs to follow in early 2009. *Update: Don Collins produced new sample files that include size distribution from APS. Need to modify the ingest and add additional datastream.*

AMF Ancillary Facility Data for China: Make data available before STM. *Update: Completed the data for the first deployment site (Zhangye, Western China), Some data for the second deployment have been delivered to the XDC.*

### 5. NEW INSTRUMENTS AND DATA STREAMS

#### XDC:

DATASETS SUBMITTED TO THE FIELD CAMPAIGN BROWSER THROUGH THE XDC:

SGP DATA- Continued Ground Based Cloud Tomography Experiment

<http://iop.archive.arm.gov/arm-iop/2009/sgp/cloudtom/>

Added TCRSR data:

<http://iop.archive.arm.gov/arm-iop/2008/sgp/tcsr/bartholomew-tcsr/>

NSA DATA- The following dataset continued to be updated for the current 2009 Barrow MMCR field campaign:

<http://iop.archive.arm.gov/arm-iop/2009/nsa/mmcr/cherry-tps/>

## **6. ACCOMPLISHMENTS**

### **XDC:**

SARS: The upgrade of the SARS system to include both ARM1 and AMF2 has been completed. It includes the capability for SKIP and AAF physical site visits now as well.

## **8. ISSUES**

### **XDC:**

CSPHOT & SUOMINET MENTORSHIP: Continue to monitor Cimel issues. Web metadata has been updated. Updating handbook. Updating ingest for level 2 data. Resolved problem in Nauru instrument. Investigating problem in Darwin data. Details on individual Cimel issues are available in the IMMS report <http://www.db.arm.gov/IMMS/>.

PUBLIST: Finished cleaning up dead publication links. Other problem links are being reviewed.

LDAP: The connection issue between ANL and BNL has been fixed. Now the two LDAP servers sync well. Continuing to modify the PHP codes to update LDAP at the same time there is a change to Sybase. See documentation at [http://wiki.arm.gov/bin/view/Engineering/LdapResources#LDAP\\_Schema](http://wiki.arm.gov/bin/view/Engineering/LdapResources#LDAP_Schema)

FC METADATA: Continued with metadata for the ISDAC AAF Field Campaign.

FC README TEMPLATE: Completed a draft for a Web based FC template for PIs to fill in, from which a standard README file will be generated. (See EWO-13127.)

ACRF GIS MAP: Updated the ACRF global GIS map with ASP and AAF sites for the upcoming Science Plan.

TDMA: The size distribution and hygroscopic ingests are complete. We are awaiting documentation (waiting on TDMA-APS file integration processing) before they are officially announced. The CCN data ingest is being modified to handle additional QC information. This is near completion, and the dataset is

undergoing final review before being released to production. Don has provided new sample integrated TDMA-APS data for the size distribution measurements. This will require an update to the size distribution ingest, which is underway. (Hydroscopic ingest will remain the same.) Work on the collection script is on hold. See ECO-00587, BCR-01491.

DQPR/PIFCARDQR: More progress this month on ECO-00545: Simplify and Streamline the Problem Reporting Forms. The system is pending final review, testing by users, and development of production release plan. Additional details about the progress can be found at <http://www.db.arm.gov/DQPR/NewFeatures.html>

FC DATABASE: As part of ECO-00701, work has begun on upgrading the field campaign system to include both AMF1 and AMF2. This work is still in progress.

WEB SYSTEM: Web usage statistics for all years are upcoming. Currently configuring and writing scripts to use webalizer to generate the usage statistics.

FILE TRANSFER STATS: The XDC sent 11,651 files with a volume of ~352 GB this month.