

## XDC AUGUST 2008 MONTHLY REPORT

### 3. LOOKING AHEAD

#### XDC:

ACARS: The regular provider of the ACARS data has discontinued data transfer. The PRB has suggested ending collection and directing users to the MADIS archive, which provides these data in a different format. [BCR-1485](#) has been approved, the ACARS data-streams will be terminated and users directed to the MADIS archive.

XDS DOCUMENTATION: Integrate XDC data stream documentation into the main ARM Web page so external data streams are more easily found and format and functionality uniform across ARM web-space. *Update: ready to be linked into the ARM Web-server in Sept..*

PUBLIST: Convert PubList from text format to database PHP/Web application. This is high priority to allow publications to be better categorized and indexed with ARM common key terms like research areas, working groups, instrument classes, and primary measurement types and categories. The completion of this task will also allow a closer linkage to the Research Highlights DB. *Update: Keyword categories are being defined and finalized, final release planned for end of Sept..*

ACRF SECURITY: Improve security at ACRF Web sites containing sensitive information (See ECO-612 and ECO-563). LANL is getting and installing ARM SSL certificates for ECR and BCR systems first. The ARM web servers at BNL are next. *Update: 2 of 4 certificates for [www.arm.gov](http://www.arm.gov), and [www.db.arm.gov](http://www.db.arm.gov) installed. Certificate for [google.arm.gov](http://google.arm.gov) to be installed in early Oct.*

PROBLEM REPORTING: Focusing attention on ECO-545 to consolidate DQPR and PIF/CAR problem reporting forms.

AMF EXTERNAL DATASTREAMS: Establishing a baseline set of external datastreams that are expected to be created with each AMF deployment: GFS, ECMWF DIAG, a Geostationary Satellite Data (if available). Currently preparing those subsets for China.

### 5. NEW INSTRUMENTS AND DATA STREAMS

#### XDC:

DATASETS SUBMITTED TO THE FIELD CAMPAIGN BROWSER THROUGH THE XDC:

NSA FIELD CAMPAIGN DATA- Added or updated the following datasets:

<http://iop.archive.arm.gov/arm-iop/2008/nsa/isdac/>

SGP FIELD CAMPAIGN DATA- Added or updated the following datasets:

<http://iop.archive.arm.gov/arm-iop/2007/sgp/clasic/>

<http://iop.archive.arm.gov/arm-iop/2007/sgp/irsi/>

**SGP PI DATA-**

<http://iop.archive.arm.gov/arm-iop/0pi-data/torn/co2-16flask/>

**6. ACCOMPLISHMENTS**

**XDC:**

**8. ISSUES**

**XDC:**

XDC SATELLITE DATA (MTSAT, GOES): Migrating satellite ingests including GOES 12 and MTSAT to Linux since the Terascan software is no longer supported for Solaris. A BCR will be submitted.

ARM PEOPLE DATABASE: Brad Perkins submitted BCR-01498 for publishing PeopleDB Web Services. There are some updates per Brad and Sherman's requests. Min has published it and is waiting for feedback.

ACARS: The BCR to end ACARS data has been approved. (PIF P080627.2, BCR-01485.

XDC DATA DOCUMENTATION: The external data stream documents have been converted to a DB so it can more easily be integrated into the current Web layout. Administrator tools have also been published. Work continues on modification of some XDS pages before moving to production. (See BCR-01473.)

PUBLIST: Completed all administrator tools and continuing work on Keyword categories (See EWO-12409).

GOOGLE SITE MAP: Work completed on adding google maps to individual facilities at the [dev.www.arm.gov/site](http://dev.www.arm.gov/site) location and new pages are under review. (See EWO-12571.) Tried to add Google Earth plugin to the [www.arm.gov/sites](http://www.arm.gov/sites) but currently only available on Windows platform.

CSPHOT & SUOMINET MENTORSHIP: Continued to monitor Cimel issues. SGP Cimel #99 had problems and is being sent in for repair (DQPR 1996). Unit #402 has been calibrated and will replace unit #99 at SGP. Details on individual Cimel issues available in the IMMS report <http://www.db.arm.gov/IMMS/>.

CSPHOT DATA: Updated collection and ingest. Data are under review.

TDMA: Size distribution and hygroscopicity data have arrived for 2005-2007. The hygroscopicity ingest was tested on development successfully. The BCR was submitted and sparked renewed interest in the hygroscopic DOD. The DOD underwent additional review and some changes were requested. These changes are being implemented now. Received and verified from Don Collin's research assistant, Chance Spencer, the raw data used to generate the hygroscopic and size distribution data. No updates for the size distribution ingest or collection script this month. (See ECO-00587, BCR-01491.)

DQPR/PIFCARDQR: Continued progress this month on ECO-00545: Simplify and Streamline the Problem Reporting Forms. (This is a long term project.)

NWS SOUNDINGS: Received quality controlled high resolution sounding data for the months of May and June 2008. The following data streams are available through the ARM Archive:

nsa06snwsupabrwX1.00, nsa06snwsupabrwX1.b1

sgp06snwsupatopX1.00, sgp06snwsupatopX1.b1

sgp06snwsupaddcX1.00, sgp06snwsupaddcX1.b1

sgp01snwsupaounX1.00, sgp01snwsupaounX1.b1

FILE TRANSFER STATS: The XDC sent 12,030 files with a volume of ~453 GB this month.