

## **XDС SEPTEMBER 2008 MONTHLY REPORT**

### **3. LOOKING AHEAD**

#### **XDС:**

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. *Update: BCR-1485 has been completed, the ACARS data-streams are 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: now linked into the ARM Web-server.*

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: Polished wording and released final version 1 at 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 webservers 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 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, ECMWFDIAG, a Geostationary Satellite Data (if available). Currently preparing those subsets for China. *Update: MTSAT data being prepared for processing in Oct/Nov.*

### **5. NEW INSTRUMENTS AND DATA STREAMS**

#### **XDС:**

**DATASETS SUBMITTED TO THE FIELD CAMPAIGN BROWSER THROUGH THE XDC:**

SPECIAL DATA- Updated the Model Intercomparison dataset by Bill Collins, RTMIP.  
The final release and announcement will be in early October.

<http://iop.archive.arm.gov/arm-iop/0special-data/RTMIP/>

**6. ACCOMPLISHMENTS**

**XDC:**

XDС 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. The new document system is running well on the production server. (See BCR-01473.)

PUBLIST: The new publication database has now been published to the production server. (See EWO-12409).

ARM WEB SERVICES: Web Services for the PeopleDB is running well on the production server. (See BCR-01498.)

**8. ISSUES**

**XDC:**

USER METRICS: Prepared SARs user statistics for the 4<sup>th</sup> quarter.

ARM STM: Prepared the 2009 ARM Science Team Meeting Roster.

XDС SATELLITE DATA (MTSAT, GOES): Testing satellite ingest including GOES 12 and MTSAT on Linux since the Terascan software is no longer supported for Solaris. A BCR will be submitted.

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

**GOOGLE SITE MAP:** The Barrow site map was added to ARM site google maps. That addition and the change from site static maps to google maps are now in production, [www.arm.gov/sites](http://www.arm.gov/sites). (See ECO-00523 and EWO-12571.)

**CSPHOT & SUOMINET MENTORSHIP:** Continued to monitor Cimel issues. Unit #402 has been calibrated and has replaced unit #99 at the 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 now complete. A final review is needed before the ingest is tested and installed to production.

The size distribution ingest has also been updated to implement the same changes as the hygroscopic ingest. The DOD also needs a review before proceeding.

Received and verified from Don Collin's research assistant, Chance Spencer, the raw data used to generate the hygroscopic and size distribution data. These raw data (sgptdmaC1.00) have been shipped to the Archive (Oct 2005 – August 2008).

(See ECO-00587, BCR-01491.)

**PI PRODUCTS WEB PAGE:** Working on PI Product webpage improvements, still in development.

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

**FILE TRANSFER STATS:** The XDC sent 10,607 files with a volume of ~433 GB this month.