

XDC OCTOBER 2008 MONTHLY REPORT

3. LOOKING AHEAD

XDC:

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, and www.db.arm.gov installed. Configured a secure virtual host area for the PeopleDB administration tools. Certificate for google.arm.gov to be installed in Dec., requires coordination with ECR/BCR system.*

PROBLEM REPORTING: Focusing attention on ECO-545 to consolidate DQPR and PIF/CAR problem reporting forms. *Update: Will provide current status of required features and remaining items to develop in Dec.*

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. *Update: MTSAT data subset for China finalized and backlog of CY2008 data processing is ongoing. Expected completion Dec.*

TDMA: Hygroscopicity distribution to be released in Nov. Size distribution in Dec. Optical properties and CCN VAPs to follow in early 2009.

5. NEW INSTRUMENTS AND DATA STREAMS

XDC:

DATASETS SUBMITTED TO THE FIELD CAMPAIGN BROWSER THROUGH THE XDC:

SGP DATA- The following dataset was added to the CLASIC field campaign.

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

SPECIAL DATA- The installation of the Radiative Transfer Model Inter-comparison Project (RTMIP) by Bill Collins was completed. The announcement prompted

AER to include their radiative transfer model data as well. The installation began this month.

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

TWP DATA- The CAPS dataset was updated for the TWP-ICE field campaign:

http://iop.archive.arm.gov/arm-iop/2006/twp/twp-ice/mcfarquhar-proteus_micro/cloud_aerosol_precip_spectrometer/

6. ACCOMPLISHMENTS

XDC:

8. ISSUES

XDC:

USER METRICS: Prepared SARs user statistics for the year, including affiliation and location for national and international users for the National User Facility Organization (NUFO).

PUBLIST: Assisting with the integration of Publist into the RSS system.

RESEARCH HIGHLIGHTS: Starting to integrate the publication database into the Research Highlight. When completed the publication(s) associated with the research highlight will be chosen from publication database rather than through an input box.

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

MTSAT (HFE): The data ingest has been modified to include the HFE AMF site. Sample data were provided. Currently working on the HFE composite image. See ECO-00665 and BCR-01517.

CSPHOT & SUOMINET MENTORSHIP: Continue to monitor Cimel issues. Unit #402 has been calibrated and has replaced unit #99 at the SGP. A few problems are being looked into regarding unit #402. The Barrow Cimel has been returned to Aeronet for calibration. The Nauru Cimel status is now reported on DSView. Details on individual Cimel issues are available in the IMMS report <http://www.db.arm.gov/IMMS/>.

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

RAMAN LIDAR: Corrected Inf values referred to in PIF P080609.1.

WPDN: Data was interrupted this month due to upgrades to the wind profiler data processing equipment (P081007.1, D081007.3). The data began to flow again on 10/10/2008.

TDMA: Size distribution and hygroscopicity data have arrived for 2005-2008. Both the hygroscopicity ingest and the size distribution ingest are being modified to handle additional qc information to make the data more user friendly. The two new DODs are up for review and the code changes are underway for the hygroscopic ingest (with the size distribution to follow). See ECO-00587, BCR-01491.

NWS SOUNDINGS: Received quality controlled high resolution sounding data for July 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

PI PRODUCTS WEB PAGE: Put PI Product web page improvements and new Showcase Data Set web page into production. There is a small addition to the right navigation area that the Archive has requested, and that addition is in progress (BCR-01516).

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 9,568 files with a volume of ~358 GB this month.