

XDC FEBRUARY 2009 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 early in the new year, requires coordination with ECR/BCR system.*

PROBLEM REPORTING: Focusing attention on ECO-545 to consolidate DQPR and PIF/CAR problem reporting forms. *Update: Mostly complete, reviewing flow of information through different problem states and various roles, responsibilities, and email distribution lists.*

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). *Update: MTSAT data subset for China finalized and backlog of CY2008 data processing is completed.*

TDMA: Hygroscopicity and size distribution released! Optical properties and CCN VAPs to follow in early 2009. *Update: Waiting for feedback from Don.*

AMF Ancillary Facility Data for China: Make data available before STM.

5. NEW INSTRUMENTS AND DATA STREAMS

XDC:

ECMWF HFE: The China AMF site diagnostic analyses data derived from the ECMWF model are now available. The data range from 20080501 to the present. See <http://www.arm.gov/xds/xds.php?id=ecmwfdiag#> for more details and the list of data streams.

DATASETS SUBMITTED TO THE FIELD CAMPAIGN BROWSER THROUGH THE XDC:

AAF DATA- The majority of the ISDAC datasets were added this month:

<http://www.db.arm.gov/cgi-bin/IOP2/selectAftIOP.pl?iopName=aaf2008isdac>

SGP DATA- The following datasets were added to the CLASIC field campaign:

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

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

NSA DATA- The following ISDAC datasets were added this month:

<http://www.db.arm.gov/cgi-bin/IOP2/selectAftIOP.pl?iopName=nsa2008surfobs>

<http://www.db.arm.gov/cgi-bin/IOP2/selectAftIOP.pl?iopName=nsa2008isdachtdma>

<http://www.db.arm.gov/cgi-bin/IOP2/selectAftIOP.pl?iopName=nsa2008nsaarctas>

6. ACCOMPLISHMENTS

XDC:

HFE ECMWF: HFE ECMWF data have been processed and are now available at the Archive.

HFE MTSAT: Added China HFE composite images to the data viewer for MTSAT.

http://www.xdc.arm.gov/data_viewers/hfemtsat_composite/frameset.html

XDC SATELLITE DATA (MTSAT, GOES): Satellite processing on production successfully moved to Linux machine (BCR-01539).

8. ISSUES

XDC:

WEB SYSTEM: Solving issues with FreeTDS upgrade. Applied a patch to fix a FreeTDS driver bug. See notes at

<http://wiki.arm.gov/bin/view/Engineering/BNLWebDevGuidelines#Softwar>

Web usage statistics for other web servers (Education already completed) and all years are upcoming.

CSPHOT & SUOMINET MENTORSHIP: Continue to monitor Cimel issues.

Reviewing China HFE data. HFE Cimel data and plots are now available at Aeronet's website under the site name Shouxian. The Azores AMF and Barrow Cimels have been calibrated at Aeronet and are ready for deployment. Details on individual Cimel issues are available in the IMMS report <http://www.db.arm.gov/IMMS/>.

LDAP: Currently working on the design and configuration.

IOP METADATA: Completed metadata entries for the CLASIC Field Campaign.

Began metadata for the ISDAC AAF Field Campaign.

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

TDMA: The size distribution and hygroscopic ingests are complete. We are awaiting documentation before they are officially announced. The CCN data have also arrived for 2005 – 2007 and the ingest has been successfully installed and tested on development. It is awaiting clarification from D. Collins on a QC issue before moving to production. No updates for the collection script this month (on hold until we get a formal data delivery schedule). See ECO-00587, BCR-01491.

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

PI PRODUCTS: BCR-01540 "Move Evaluation Products to the Value-Added Products web page". Removed evaluation products and special data sets from the PI Products web page.

FIELD CAMPAIGN DATABASE: Completed updates to change ACRF descriptors from AVP to AAF (BCR-01541).

FILE TRANSFER STATS: The XDC sent 11,710 files with a volume of ~259 GB this month.