

XDC OCTOBER 2005 MONTHLY REPORT

1. LOOKING AHEAD

NSA:

SGP:

TWP:

XDC:

GFS: Acquire gridded GFS data for Niamey, Niger.

TWP-ICE: Acquire satellite data for TWP-ICE.

XDC QUICKLOOKS: Provide variables and data range or plotting code to the Archive to produce quicklooks for the external data streams.

MANUS:

NAURU:

DARWIN:

DMF:

SDS:

EOP:

2. IOPS AND CAMPAIGNS

3. NEW INSTRUMENTS AND DATA STREAMS

NSA:

SGP:

TWP:

XDC:

DATASETS SUBMITTED TO THE IOP BROWSER THROUGH THE XDC:

SPECIAL-DATA-

- arm-lbnl-carbon- Updated NOAA processed data.
- ogren-aos-nsa- Added data for Barrow from 1998 forward.
- asrc-rss- Updated RSS105 ascii data.

SGP ALIVE 2005: Created final data area for this IOP. Added the following PI dataset:
dominguez-posav

SGP IAP 2005: Uploaded IAP data for 200509 – 200510.

SGP AIRS VALIDATION 2005 : Transferred October b1 data to the IOP area.

TWP AIRS VALIDATION 2005: Transferred October b1 data to the IOP area.

OSC CRYSTAL FACE 2002: Radar data too voluminous for the IOP Browse Tool was sent to the regular ARM Archive and documented on the Browse Tool (Mather, Schneider, Albrecht).

DMF:

4. ACCOMPLISHMENTS

NSA:

SGP:

TWP:

XDC:

RAW ARM DATA: Increased reliability of transfer to Archive for new non-standard data from ARM instruments (S01, S02, etc.) by eliminating steps. Examples are raw sonde data (BCR-01120) and soon the 183 GHz microwave radiometer data from Barrow (BCR-01079, EWO-11408).

DMF:

SDS:

EOP:

5. MEETINGS

NSA:

SGP:

TWP:

XDC:

CPMWG: Rick Wagener, Lynn Ma, Min Liang and Alice Cialella attended the Cloud Parameterization and Modeling Working Group Meeting in Stony Brook, NY on Oct 12 and 13, 2005.

EOP:

DMF:

SDS:

6. ISSUES

NSA:

SGP:

TWP:

GENERAL:

MANUS:

NAURU:

DARWIN:

XDC:

IOP SPECIAL DATA: It was decided that the IOP Special Data would be entered in the IOP database as “fake IOPs” so their data could be seen by the ARM search tool. Also, with an IOP name, they could now be sent to the regular Archive for safe keeping.

GLOBAL FORECAST SYSTEM (GFS) NCEP DATA: Work began on the visualizations for the GFS data stream. Working with the Archive to provide GFS quicklooks.

RAMAN LIDAR: Updating RL ingest to accommodate recent upgrade (EWO-00479).

CIMEL SUNPHOTOMETER: There have been problems and updates to the Cimel Sun-Photometer data. There was a satellite transmitter problem at the SGP Cimel from 5/7/05 – 9/14/05 (P050920.1). Also Aeronet has implemented a new algorithm on all sites. Data will need to be reprocessed. Some changes in processing have been proposed (P050923.1). A BCR will follow.

GOOGLE.ARM.GOV: Modified the main Google ARM page by adding links to the ARM home page and back to the main Google ARM page.

GOES9/MTSAT-1R: Seospace has replaced GOES9 data with MTSAT-1R (Multi-functional Transport Satellite- 1 Replacement). Currently looking at data and ingest modifications. Data received from Seospace is incomplete. Looking at possibly getting data from NASA LaRC instead.

RSS105: A BCR was submitted this month for the ingest installation (BCR-01143).

ETA MODEL DATA: Looking into archiving an ETA analysis dataset for the NSA to replace the data we have been collecting, which is large and in GRIB format. We have picked up new sample data from NCEP and are currently comparing the files to those files collected at Penn State to see if they will be suitable. See ECR-00476 for details.

TWP RAIN GAUGE DATA: An hourly global precipitation dataset (TD3505) provided through the National Climatic Data Center includes two stations each for Manus and Nauru. Alice is pursuing adding this order to a current XDC standing order with NCDC. A BCR was submitted (BCR-00522) to track the discussion and determine whether this dataset is what is needed. NCDC has provided the ascii data back to 2003 free of charge via their Web interface.

IOP DATABASE: The IOP Database continues to be updated with known PIs and data delivery plans for current and past IOPs.

PIF/CAR/DQR: (Nothing new this month.)

ACRF WEB: Continued work on database changes/code changes in support of the Archive/ACRF Web page integration effort.

DQPR (DATA QUALITY PROBLEM REPORT SYSTEM): (Nothing new this month.)

SAR (SITE ACCESS REQUEST) SYSTEM: (Nothing new this month.)

SGP IAP: Lynn is working with Annette Koontz to install the CMDL IAP ingest and review data (BCR-00989). No progress this month- waiting for Connor and Annette to finalize variable names and complete ingest modifications.

NSA AVHRR: Picking up and processing the raw data using bbftp. Lynn continues to work on the backlog data.

AMERIFLUX: Received flux data for Atqasuk (awaiting Barrow) for the period of the MPACE field campaign and delivered to the IOP Browse Tool. Next step is to set up ongoing data retrieval from AMERIFLUX for the NSA (ECR-00288). (No response this month.)

NSA CRN RAINGAUGE: Alison Tilp has added the ARM standard variable and global attributes to the netCDF output files. Automating the task is all that remains (ECO-00296).

NWS SOUNDINGS: (No new soundings received this month.)

BIRTH OF A DATA STREAM (BODS): Created BODs for the new RSS data stream.

XDC DOCUMENTATION: (No new documentation this month.)

IOP DOCUMENTATION: Joyce Tichler continues to correct IP directories that do not follow PI-instrument structure and review links in the IOP data base. .

SERVER HARDWARE UPGRADES: Four systems are currently running Solaris 10. Continued installing XDC AIA software on Solaris 10 machines.

TWP MANUS PROCESSED AVHRR: NOAA-16 2003 Kwajalein data (a1) and Hovmuller Diagrams sent to the ARM Archive. Processing NOAA-16 2004 data.

TWP NAURU PROCESSED AVHRR: NOAA-16 2003 Kwajalein data (a1) and Hovmuller Diagrams sent to the ARM Archive. Processing NOAA-16 2004 data.

TWP KWAJ AVHRR: (No data processed this month.)

DMF:

SDS:

EOP:

GENERAL:

NSA:

SGP:

TWP:

7. ONGOING XDC ENGINEERING TASKS