

XD C JUNE 2005 MONTHLY REPORT

1. LOOKING AHEAD

NSA:

SGP:

TWP:

XDC:

EXTERNAL DATA STREAMS: Reorganize links to XDS docs to fit new shopping cart application.

IOP SPECIAL DATA: ARM needs to make a decision on how to store these data permanently at the regular ARM Archive. Currently the special data datasets are stored ONLY on the IOP Browse Tool.

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:

AMF ECMWF: Several ECMWF data streams are available for Pt. Reyes (20050420 – present) and Niamey (20050505 – present) in ASCII and netCDF at the Archive. See <http://www.arm.doc/xds/static/ecmwf.stm> for additional documentation and list of specific products.

DATASETS SUBMITTED TO THE IOP BROWSER THROUGH THE XDC:

SPECIAL-DATA- Uploaded ASRC RSS105 data and updated ARM 16 Flask data.

NSA AIRS VALIDATION 2005 – Transferred June data to the IOP area.

NSA MPACE 2004: Managed the following data in the IOP area:

tooman-proteus – began uploading data sent from USB hard drive to ORNL and via ftp (total over 64 GB- only highest level processed data kept on IOP Browse Tool)

SGP PORTABLE FLUX 2004- Uploaded fischer-pgs data for 2004.

SGP AEROSOL 2003: Replaced pilewskie-ssfr data.

OSC CRYSTAL FACE 2002: (No work this month.)

DMF:

4. ACCOMPLISHMENTS

NSA:

SGP:

TWP:

XDC:

AMF ECMWF: All pyeecmwf and nimecmwf data are available through the ARM Archive (BCR-01044).

DMF:

SDS:

EOP:

5. MEETINGS

NSA:

SGP:

TWP:

XDC:

EOP:

DMF:

SDS:

6. ISSUES

NSA:

SGP:

TWP:

GENERAL:

MANUS:

NAURU:

DARWIN:

xdc:

NCEP GFS: Ingest development began on the NCEP Global Forecast System column output data, with locations near ARM data sites. Currently reviewing sample data (ECR-00477).

GOOGLE.ARM.GOV: The ARM google search appliance is in production (EWO-00461, BCR-01052). Additional search collections and modifications are being made. (No modifications made this month.

RSS105: Ingest development continues for the ASRC rss105 data (ECO-00198).

ETA MODEL DATA: Looking into archiving an ETA analysis dataset from Penn State for the NSA to replace the data we have been collecting, which is large and in GRIB format. See ECR-00476 for details.

RUC-20: On June 28th 2005 RUC-13 became operational. However raw RUC-13 files are not yet available. In the meantime we will provide a reduced RUC-20 dataset, derived from RUC13 (ECR-00498).

NWS HIGH RES UPA: A bug in the reporting of the basetime was discovered by the Archive and corrected by the XDC. The data have been reprocessed and sent to the Archive. In addition, NCAR sent raw data through March of 2005 for Barrow, Dodge City, Topeka, and Norman. The raw and processed data have been sent to the Archive.

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. An ECR needs to be submitted to track the discussion and determine whether this dataset is what is needed.

PT REYES: MOLTS data are being subsetted for the PT Reyes site for most of the U.S. West Coast centered on Pt. Reyes (see map attached to EWO-11306). Alice continues to collect other geographic data for Pt. Reyes.

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

SGP WEATHER OPS: Supplied Moses Iziomon (Dalhousie University) with SGP weather observations for the period Jan 1, 2003 through Dec 31, 2004.

SGP IAP: Lynn is working with Annette Koontz to install the CMDL IAP ingest and review data (BCR-00989). No progress this month.

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 progress this month.)

NSA CRN RAINGAUGE: The ingest development for collecting the U.S. Climate Reference Network (CRN) Rain gauge data has resumed with summer student, Brett Kassof's, assistance (ECO-00296).

BIRTH OF A DATA STREAM (BODS): Created BODs for the new ECMWF data streams for PYE and NIM.

XDC DOCUMENTATION: Updated documentation (www.xdc.arm.gov/xds) for the PYE and NIM ECMWF data streams. Announcements were sent out for new subsetted ECMWF and RUC data.

IOP DOCUMENTATION: Joyce Tichler continues to review contents of IOP web pages. She has identified IOP Web pages that do not conform to PI-instrument structure and began to correct them. Following new guidelines, she will provide information on instrument and measurements for past IOPs beginning with the 2003 SGP Aerosol IOP See EWO-11427).

SERVER HARDWARE UPGRADES: Configuration of the RAID storage array and terminal server for the new XDC hardware continues. Three systems are currently running Solaris 10.

TWP MANUS PROCESSED AVHRR: All Kwajalein Hovmuller diagrams are being reprocessed by RSMAS. Continue processing NOAA-16, 2004.

TWP NAURU PROCESSED AVHRR: All Kwajalein Hovmuller diagrams are being reprocessed by RSMAS. Continue processing NOAA-16, 2004.

TWP KWAJ AVHRR: Processed data covering 20050401 – 20050531.

DMF:

SDS:

EOP:

GENERAL:

NSA:

SGP:

TWP:

7. ONGOING XDC ENGINEERING TASKS