CAMEX-4 Data Center Status

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Data Center Functions

Ingest, archive, catalog, document and distribute datasets

- Ingest – receive data and/or information at GHCC
- Archive – primarily store data on a StorageTek 9314
- Catalog – datasets listed on EOSDIS Data Gateway, Global Change Master Directory, and local GHCC systems
- Document – guides, readmes, metadata for catalogs
- Distribute – ftp, media orders, user services help
  - Web site (http://camex.msfc.nasa.gov)
  - FTP access (ftp://ghrc.msfc.nasa.gov/pub/data/camex4

Data Set Ingest Status

- Completed 38 of 41 data sets
- HAMSR –
  - is in progress;
  - received 13 Sept 01
- NPOL and TOGA radar
  - received logs
  - Full resolution (UF format) and low res reflectivity browse images ready for transfer from P. Kucera/UND

FTP Access

Accessible via CAMEX-4 web page

Data and browse are available

Exceptions:

- MAS - browse logs; order data files
- GOES-8- browse online; order data files
- Video datasets from DC-8
- NOAA Dropsonde (which is a link).

There is a file in these directories that provides ordering information

Readme documentation is in each directory.

CAMEX-4 Web Site

Provides access to data in several ways:

- Calendar date
- Alphabetical list (links to FTP site)
- Search on instrument, source, date, parameter)

- Data is available for download
- Search and access to Instrument Reports, Weather Summaries, Mission Scientist Reports
- Science Presentations

Remaining Work

- Complete documentation and install guides on FTP server, and EDG server
  - Guides(~20), Readmes (~20), dataset catalogs (~7), DIFS (~ 6)
- Complete archive of data (HAMSR, NPOL, TOGA)
- Increase online archive capacity for MAS data
- Add more browse for remaining data sets \
- Catalog software packages from PIs
- Re-archive any reprocessed datasets
- Continued USO support of datasets including distribution, answering questions, email, orders

Point of Contact

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Backup Slides

Documentation

The data center needs to be able to support user requests for data and information. Integral part of the data archive.

- 'ReadMe' provides basic information about the instrument and data set . Documentation jointly developed by PI and GHRC
  - General information
  - Instrument information
  - CAMEX-4 flight operations summary
  - File format with file name descriptions
  - References
- Software in form of subroutine or program that enables a user to read the data (commercial or PI-developed)
- Online catalog – brief description of the data/instrument and a date range of data availability. Developed by GHRC

Surface and Radar Database

Need assistance in defining the formats and software for archive and distribution

- Andros Island sondes – to be delivered next week
- NOAA P3 – received tapes; need to copy
- XPOW – received via FTP 250,000+ files; repackaging into daily data sets
- SMART-R – received data; developing documentation
- MIPS – working with Knupp and Walters
- NPOL – need to work arrangements with Gerlach
- TOGA – need to work arrangements with Gerlach

Aircraft Database

Aircraft data sets received in various forms:

- DC8 Navigation – received data and flight tracks
- ER2 Navigation – received data and flight tracks
- DC-8 Forward & Nadir camera – to receive VTR tapes next week
- DC8 Dropsondes – received data and skew-T
- ER2 Dropsondes – received data and skew-T
- AMPR – received data and browse
- EDOP – received browse
- C-STAR – received data and browse
- NOAA Hygrometer – received data
- NOAA Ozone – received data
- MAS – expect to receive data next week

Adding Functionality

1. Actively pursue adding data sets to the archive
2. Increase the functionality of the web site:
   - Finish populating ftp site with online data sets
   - documentation, documentation, documentation