Rescue & Reprocessing of Historical AVHRR Archives (R2HA2; a.k.a. R2D2) Working Group Report

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URI

GHRSST XIV
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In Attendance

- Ken Casey
- Peter Cornillon (Chair)
- Christo Whittle
- Dave Foley
- Dan Iwanski

Objectives

- Identify historical archives of AVHRR HRPT and LAC data.
- Copy these archives to a central data repository.
- Convert the data to a consistent L1P format stored in netCDF.
- Archive these data at a central facility.
- Reprocess these data to GDS2-compliant L2P.

Copy data from historical archives to a central place.

- CMS - Lannion receiving station - 1996.
  - Action: Cornillon – To transcribe to L1P format.
- UHawaii receiving station - 198(?) - 100s of DATs
  - Action: Foley ⇒ Cornillon – To investigate contents and format.
- UMiami - Argentinian receiving station - optical platters - 1984 - 1999
  - Action: Cornillon – To continue seeking a system to read these data.
- EarthNet data (ESA)
  - Action: Cornillon – Letter sent to ESA (Liebig) from Minnett
    They are investigating
- Contact Peruvian's with regard to their holdings
  - Action: Cornillon – e-mail correspondence with Carlos Paulino Rojas
    Awaiting response.
- South African receiving station - ?
  - Action: Whittle – To determine what is available and how to transfer to URI.

L1p - transcription of L1a or L1b files provided.

- L1pCore provides a consistent structure in netCDF for AVHRR HRPT data.
- L1pCore will not contain all GHRSST metadata.
- With a few exceptions, mirrors fields, described in the L1b klm manual.
- Fields fall in three classes
  - Basic telemetry fields.
  - Fields added by the data provider; i.e., in the L1b product.
  - Fields added to the L1a or L1b data stream.
- L1pCore will be followed by a full L1p file with added fields.
  - Design of L1PCore in netCDF4.
    - Action: Roquet – Made a prototype of L1PCore in NetCDF
      Awaiting response.