

Polar UVI Resident Archive Status

[1] – *The resident archives are to be distributed at the PI institutions or their designated locations where the expertise in handling the specific data resides.*

→ The main UVI resident archive (website and data archive) <http://uvi.nsstc.nasa.gov/> is located at the NSSTC. There is a secondary site at the UAH/CSPAR <http://csds.uah.edu/uvi-ost/>.

[2 – 4] – *The resident archives should provide the highest available resolution (spatial and temporal); the resident archives should be designed for minimal human support; the data in the resident archive should be available to a requestor without human intervention.*

→ UVI level-one, key parameter, and ancillary CDF files for the entire Polar mission are available from the ‘Data Archives’ link on the NSSTC site. A somewhat limited data set is available at UAH site. All files are also available at the pwgdata and CDAWeb ftp sites.

[5] – *The archive should provide for virtual observatories dynamic access to the full data set.*

→ Select images are being supplied to GAIA; at least 2 VxO data service upgrade proposals submitted (1 declined)

[6] – *Every site should allow plots of the data, either previously made or made on demand.*

→ UVI 36-second images and key parameter mosaic plots for the entire mission are available for viewing from the ‘Image Viewer’ link on the NSSTC site. Software can be downloaded from the site (‘Software Archive’) that allows users to view and process UVI data locally.

[7] – *Every archive should allow ASCII downloads of low and high resolution data for re-plotting by the requestor.*

→ All the data are in CDF files. Standard CDF library utilities can be used to extract data in an ASCII format. There is some ASCII dump capability on the UAH site. There is not a dump option on the NSSTC site.

[8] – *Positional and attitude information for the Polar spacecraft should be provided at one or more sites.*

→ In addition to the pwgdata and CDAWeb ftp sites, orbit, attitude, and pitch angle CDF files are available at the NSSTC and UAH sites. Also, each 36-second image includes location information.

[9] – *Every site should provide direct links with brief descriptions of every other Polar site.*

→ The ‘Related Sites’ link on the NSSTC website contains links to several sites including all other Polar instruments.

[10] – *Documented procedures for producing scientifically useful data from the Polar instruments will be made available and will be a fundamental element of the resident archives.*

→ Documentation is associated with the downloadable software.