

# Status of the Global Argo Data Repository

U.S. National Oceanographic Data Center

23 September 2004

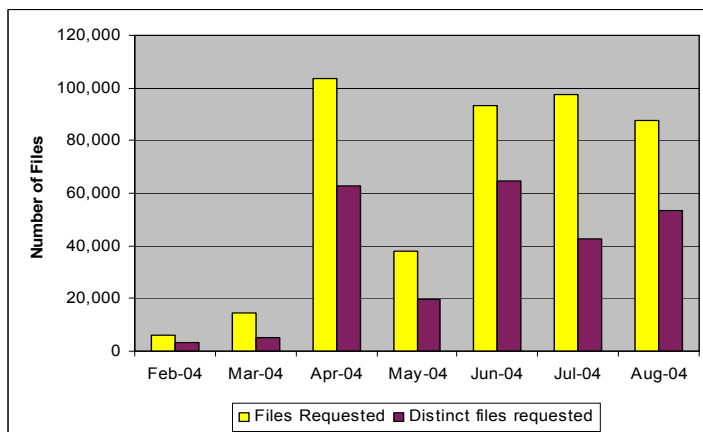
## 1. Primary Functions of the Global Argo Data Repository (GADR)

- o Archive delayed-mode profiles, metadata, trajectory and technical information received from the GDAC on a monthly basis.
- o Provide tools to allow transformation of Argo and other profile data into other forms.
- o Provide use statistics, data system monitoring information and problem reporting facility.
- o Register the Argo data in international data inventories
  - Subscribed and provided metadata to NASA's Global Change Master Directory: [http://gcmd.nasa.gov/getdif.htm?Global\\_Argo\\_Data\\_Repository](http://gcmd.nasa.gov/getdif.htm?Global_Argo_Data_Repository)
- o Provide WWW data integration tools to allow client to get Argo float data combined with data collected with other instruments.
- o Provide hardcopy data sets for distribution to users.
- o Provide offsite storage of data.

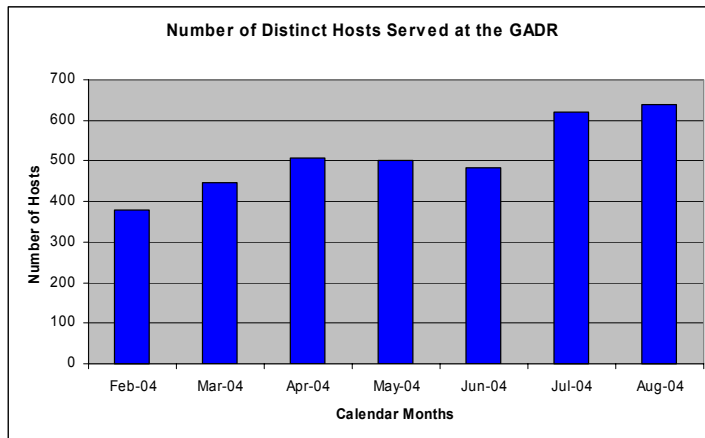
## 2. Extended Functions

- o Archive latest ("daily") profiles received from the GDAC on a weekly basis.
- o Provide WWW and OPeNDAP accesses to the NODC version of profiles received from the GDAC.
  - WWW URL: <http://www.nodc.noaa.gov/argo>
  - OPeNDAP/DODS: <http://data.nodc.noaa.gov/cgi-bin/nph-dods/argo>

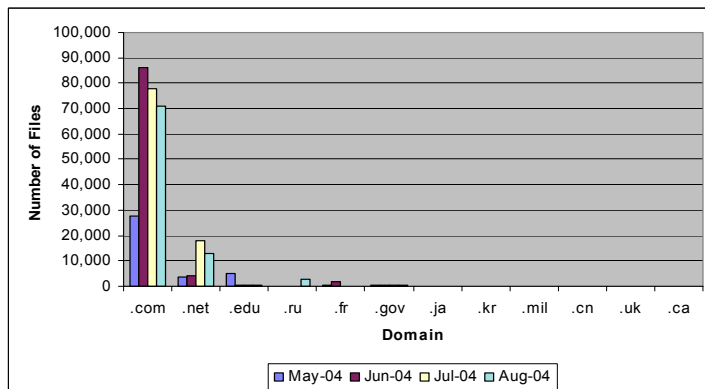
## 3. GADR HTTP File Downloads



#### 4. GADR Web Server Statistics



#### 5. GADR User Domain Breakdown

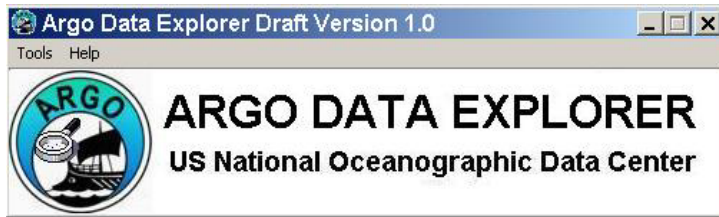


#### 6. Major Accomplishments

- o Completed a draft version of Argo Data Explorer (ADE) — A Java application that allows transformation of the Argo NetCDF format to the ASCII text format.
- o Completed a draft version of Argo NdEdit — A Java application that allows to search/sub-set an Argo inventory file on Argo CD.

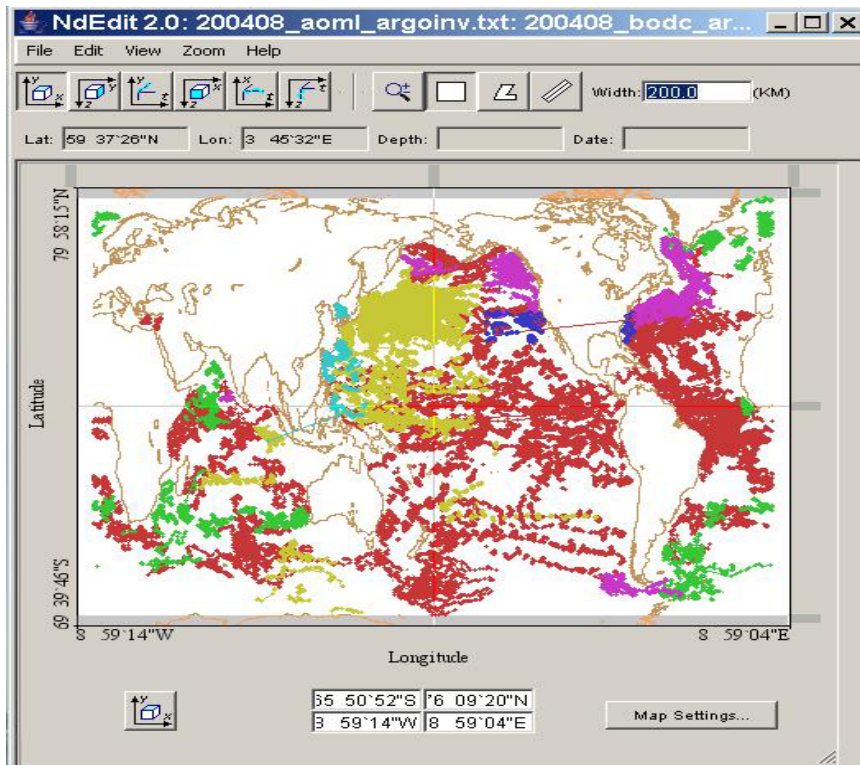
#### 7. Argo Data Explorer

A Java application allows a user to convert Argo data from the NetCDF format to the ASCII text format.



[http://argo.nodc.noaa.gov/cd\\_1/tools/Argo\\_NdEdit\\_Draft/install.htm](http://argo.nodc.noaa.gov/cd_1/tools/Argo_NdEdit_Draft/install.htm)

## 8. Argo NdEdit



[http://argo.nodc.noaa.gov/cd\\_1/tools/Argo\\_NdEdit\\_Draft/install.htm](http://argo.nodc.noaa.gov/cd_1/tools/Argo_NdEdit_Draft/install.htm)

## 9. General Discussion

- o Issue: Data transferring between GADR and US GDAC
  - Current methods: FTP
  - Suggested methods:
    - RSYNC or
    - CDFSynch: a program that automatically synchronizes netCDF datasets from a remote data server

## 10. Future Work Plans

- o Continue the GADR operation.
- o Focus on the GADR system enhancements.
- o Provide WWW access to and update the content of the draft version of Argo CDs on a quarterly basis.  
<http://argo.nodc.noaa.gov/>
- o Complete the “Argo NdEdit” software by June 2005.
- o Complete the “Argo CDFSynch” software by June 2005.