PRIDE and the APDRC

Leverage the extensive research activities at the International Pacific Research Center (IPRC) and data serving technology development at the Asia-Pacific Data Research Center (APDRC) to provide integrated scientific research and information technology innovation for the Pacific sector.

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Challenges

- **Scientific research:**
  - IPRC

- **Server technology:**
  - User-data interface; partnerships with PMEL and others

- **End user:**
  - Identification of users
  - What data products are useful/desirable?
  - Exchange format
Mission: To increase understanding of climate variability in the Asia-Pacific region by:

1. developing the computational, data management, and networking infrastructure necessary to make data resources readily accessible and usable by researchers;

2. undertaking data-intensive research activities that will both advance knowledge and lead to improvements in data preparation and data products.
Vision: to provide web-based, one-stop shopping of climate data and products

Users: IPRC researchers, plus the larger research community, application users and the general public

Products: atmospheric, air-sea flux, oceanic, terrestrial; satellite- and model-based.
APDRC Organization

- Server Management
- Data Management
- User Interface (web design)
- Products/Applications
User access to data either by copy or ftp, then use local software

Data reformat (netcdf, ieee, grib, etc.)?

Client s/w limitations?

Disk storage/transfer limitations?
"sister server"
APDRC Data Management

- Ocean data
- Air-sea flux data
- Atmospheric data
- Terrestrial data
APDRC User Interface

- Data search
- Data documentation
- Server tutorials
Welcome to the Asia-Pacific Data-Research Center

The APDRC is building towards a vision of one-stop shopping of climate data and products for our users.

Our mission is to increase understanding of climate variability in the Asia-Pacific region by developing the computational, data management, and networking infrastructure necessary to make data resources readily accessible and usable to researchers and general users; and by undertaking data-intensive research activities that will both advance knowledge and lead to improvements in data preparation and data products.

Easy Access to Data and Products via the APDRC Servers (atmospheric, oceanic, and air-sea flux)

Questions or Comments?
Address: Pacific Ocean Science and Technology Bldg., Room 401, 1680 East-West Road, University of Hawaii, Honolulu, Hawaii 96822 (click for map)
Phone: (808) 956-5019; Fax: (808) 956-9425.
Data search tool  Serving a broad range of products: air-sea flux, oceanic, and atmospheric data (global).

APDRC Datasets
Datasets served by the APDRC may be accessed through the options below. Data has been categorized by the data type (e.g., EPIC data, LAS data, etc.), server type (e.g., EPIC data, LAS data, etc.), grid type (regular grid, along-track data, single point time series, etc.), or by variable name. Note that there is not a single path to a particular dataset. To directly access a specific dataset, select it from the comprehensive list on the left. Otherwise, select from the following pull-down menus. Note that "local-access only" datasets are written in red.

Select one of the following options:

Access data by server type:  All
Access data by data type:  All
Access data by grid type:  All
Access data by variable:  Any/all variables

- Ocean Temperature
- Salinity
- Nutrients
- Bathymetry
- SST
- Sea level
- Surface winds
- Pressure
- Clouds
- Latent heat flux
- Sensible heat flux
- Net heat flux
- Short wave radiation
- Long wave radiation
- Precipitation
- Velocity
- Air Temperature
- Humidity

Submit Reset

APDRC current holdings
Servers: LAS, EPIC, GDS and OPeNDAP

All APDRC Datasets
- AMSR [LAS, OPeNDAP]
- Argo [EPIC]
- Argo GDAC Float Operations [LAS]
- Argo GDAC Observations [LAS]
- CMAP [OPeNDAP]
- COADS [LAS]
- COAMPS Central America [LAS]
- COAMPS Continental U.S. [LAS]
- COAMPS E-Pacific [LAS]
- COAMPS W-Atlantic [LAS]
- CPC OLR precip [OPeNDAP]
- CPC Rainfall [OPeNDAP]
- DBDBV [LAS]
- Earth Radiation Budget Satellite (ERBS) product[LAS, OPeNDAP]
- ECCO-JPL (local aggr.) [OPeNDAP]
- ECCO-JPL [OPeNDAP]
- ECCO-JPL Adjoint Assimilation 1997-2000(remote) [LAS]
- ECCO-JPL Kalman Filter Assimilation(remote) [LAS]
- ECCO-SIO Assimilation(remote) [LAS]
- ECMWF Global Advanced Operational Surface Analysis [LAS, OPeNDAP]
- ECMWF 2.5 Global Surface and Upper Air Analyses [LAS, OPeNDAP]
- ECMWF Global Supplementary Fields (ds111.3) [LAS, OPeNDAP]
- ERA-40 [LAS, OPeNDAP]
- ERS1 Wind [OPeNDAP]
- ERS2 Wind (WOCE) [OPeNDAP]
- ETOPO5 [LAS]

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APDRC Data Holdings

- 31 in-situ data holdings
- 21 remote data holdings
- 17 re-analysis data holdings
- 4 model data holdings
APDRC Project Support:
Applications and value-added products

Integrating existing systems to be greater than the sum of the parts:

- National Weather System forecast for Hawaiian Islands
- Hawaii regional model