

Notes on Data Sources

SAR Data

- Seasat, SIR-A, SIR-B and CV-990 aircraft were all originally obtained from NASA / JPL.
- SIR-C (Survey and full resolution Precision Products) - EROS Data Center
<http://edcdaac.usgs.gov/sir-c/survey.html>
<http://edcdaac.usgs.gov/sir-c/precision/>
- X-SAR from DLR. <http://isis.dlr.de/XSAR/Welcome.html>
- ERS
The Tropical and Subtropical Ocean Viewed by ERS SAR.
<http://www.ifm.uni-hamburg.de/ers-sar/> - This is an excellent site containing SAR imagery on a wide variety of oceanographic phenomena developed by Werner Alpers (Institute of Oceanography, University of Hamburg, Hamburg, Germany) Leonid Mitnik, Lim Hock, and Kun Shan Chen.
ODISSEO (Open Distributed Information and Services for Earth Observation) Catalogue. (ERS Survey Data) <http://odisseo.esrin.esa.it/>
ERS-2 in Action by ESA - http://earth.esa.int/ers/ers_action/
The ADIDAS Radar Image Preview Database - <http://adidas.iki.rssi.ru/>
Coastal Mixing And Optics Experiment - http://fermi.jhuapl.edu/cmo/cmo_index.html

Astronaut Photography

- *Earth Sciences and Image Analysis, NASA-Johnson Space Center.* Access to all astronaut photographs since 1961 with a searchable index. <http://eol.jsc.nasa.gov/sseop/>
- *University of Delaware Ocean Internal Wave Online Atlas* - <http://atlas.cms.udel.edu/>
The site has over 250 astronaut photographs (along with some radar imagery) of internal waves from around the world accessible via a clickable map or search.
- *Oceanography from the Space Shuttle*
http://daac.gsfc.nasa.gov/CAMPAIGN_DOCS/OCDST/shuttle_oceanography_web/oss_c_over.html

MODIS

- Near-Real-Time Level-2 Browse. <http://rapidfire.sci.gsfc.nasa.gov/realtime/>
- Gallery (Keyword – Internal Waves) <http://rapidfire.sci.gsfc.nasa.gov/gallery/>

ASTER

- <http://glovis.usgs.gov/> (select ASTER VNIR) or
- <http://glovis.usgs.gov/ImgViewer/ImgViewer.html?lat=34.6&lon=-4.2&sensor=ASTERL2V>

Internal Wave Websites

- Motoyasu Miyata's Homepage (<http://iprc.soest.hawaii.edu/~miyata/>)
Internal Waves Publications List, Internal Waves Email List, Internal Waves Review
- OS/WHOI/ONR Internal Solitary Wave Workshop Papers. 6th Edition, Papers Processed as of 12 May 1999 <http://www.whoi.edu/science/AOPE/people/tduda/isww/text/>

Map Production

The Bathymetry and Coastline data were plotted using M_Map, a Matlab tool kit for ocean data.

- M_Map: User's Guide v1.3d
<http://arda.eos.ubc.ca/~rich/private/>

Bathymetry (Smith and Sandwell gridded data Version 8.2)

Smith, W. H. F. and D. T. Sandwell, Global Seafloor Topography from Satellite Altimetry and Ship Depth Soundings, *Science*, v. **277**, p. 1956-1962, 26 September, 1997

- Measured and Estimated Seafloor Topography
http://topex.ucsd.edu/marine_topo/mar_topo.html.

High Resolution Coastlines (GSHHS Version 1.2, May 18, 1999)

Wessel, P., and W. H. F. Smith, A Global Self-consistent, Hierarchical, High-resolution Shoreline Database, *J. Geophys. Res.*, **101(B4)**, pp. 8741-8743, 1996.

- GSHHS - A Global Self-consistent, Hierarchical, High-resolution Shoreline Database
<http://www.ngdc.noaa.gov/mgg/shorelines/gshhs.html>

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