

Notes

The material used to develop this manual came from many of sources. One source was the Global Ocean Associates files that contained imagery and data collected by Dr. John Apel over the course of his career (original sources for the data are listed below). Additional material came from a variety of websites and individuals.

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
ERS-2 in Action by ESA - http://earth.esa.int/ers/ers_action/
ODISSEO (Open Distributed Information and Services for Earth Observation) Catalogue. (ERS Survey Data) <http://odisseo.esrin.esa.it/>
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.
The ADIDAS Radar Image Preview Database - <http://adidas.iki.rssi.ru/>
Coastal Mixing And Optics Experiment - http://fermi.jhuapl.edu/cmo/cmo_index.html
Remote Sensing of Bluefin Tuna - http://fermi.jhuapl.edu/tuna/tuna_index.html
Centre for Remote Imaging, Sensing and Processing (CRISP) National University of Singapore - <http://www.crisp.nus.edu.sg/~research/#early> - (see Internal waves in Andaman Sea)

Astronaut Photography

- *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.
- *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/>
- *Oceanography from the Space Shuttle*
- http://daac.gsfc.nasa.gov/CAMPAIGN_DOCS/OCDST/shuttle_oceanography_web/oss_cover.html
- *Earth from Space* - <http://earth.jsc.nasa.gov/>

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/>

Bathymetry

Bathymetry maps for the Atlas were derived from Smith and Sandwell gridded data Version 8.2. Reference: 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. See Measured and Estimated Seafloor Topography

http://topex.ucsd.edu/marine_topo/mar_topo.html.

The data were plotted using M_Map, a Matlab tool kit for ocean data. See M_Map: User's Guide v1.3d - <http://arda.eos.ubc.ca/~rich/private/>

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