RVTEC 2008

SWAP Report

SWAP 2 Status

- SWAP 2 - Yeah!
- distribution split - Boo!
- 2008 Usage
  - Fixed observation sites (Delware, Columbia River, Yaquina, WHOI) supporting fixed sensor networks (CODAR, buoys, moored ADCP, current, turbidity, ...), and internet relays for nearby (up to 25-ish miles) ships.
  - Ship-to-dock (UW, OSU, MLML/MBARI, Scripps, UH, WHOI) supporting visiting ships, the uploading of cruise data and general internet usage.
  - Ship-to-ship (Wecoma/Barnes doing CMOP, Healy/LSSL, WHOI???)
  - Loaners (Pacific Storm, Langseth, LSSL, ...)
- Operators
  - UNOLS
  - USCG
  - CMOP
- Non-UNOLS organizations loaned to
  - Canadian Coast Gaurd in joint manuvers with Healy
  - OSU College of Engineering to deploy a Wave Energy Buoy from the Pacific Storm off of Yaquina Head
- Volume
  - Fixed observatories - megabytes / day
  - Ship-to-dock - megabytes /day:
  - Ship-to-nearshore - megabytes /day:
- Example near-realtime (every 5-ish minutes):
  - uploading of ships data;
  - running through a model;
  - download model to ship.

http://www.shipops.oregonstate.edu/martech/project/swap