2011

• SWAP Mandate
  o A ship arriving in port is able to (easily) gain an insecure route to the Internet.
  o Multiple ships working in proximity can exchange data
  o Ships are able to “discover” buoys and transfer data
  o A ship with an “out bound” link (HiSeasNet or FBB) can act as a router for other ships or buoys.

• SWAP Status
  o Continued expansion of the network
    o R/V Cape Hatteras
    o Duke Marine Lab
  o SWAPmeet 2011
    o Training and InstallFest – April 2011
    o Duke Marine Lab
  o Ship Maintenance Visitations
    o R/V Marcus Langseth
    o R/V Western Flyer
  o Known Guests:
    o R/V Western Flyer

• SWAP Future
  o InstallFest 2012
    o Florida ?
  o Development
    o Investigate lower power nodes
    o Alternate frequencies and transmit protocols
    o Security: WPA2
    o Alternative Platforms
    o Driver Expansion
  o Expansion 2012
    o Florida ?
    o OSU Wave Energy Buoy Network
    o OOI

R/V Cape Hatteras April Installation

Antenna placement and cable run