



# University-National Oceanographic Laboratory System **UNOLS**

## USBLs within the US ARF





# Fleet USBL system inventory

- ***RV Thompson*** - Sonardyne Gryo-USBL system
- ***RV Ride*** - Kongsberg HiPAP
- ***RV Kilo Moana*** - Sonardyne Ranger 2
- ***RV Atlantis*** - Sonardyne Ranger 2 and NSH w/  
Ranger transceiver (older generation due to hull-hole size)
- ***RV Armstrong*** - Sonardyne Ranger 2



# Questions/Concerns

1. Who has the overall responsibility for the shipboard system?
2. Are there trained personnel to calibrate, set-up and operate their particular systems?



## Questions/Concerns (cont.)

3. Who is responsible for the documentation on the systems?
4. How configurable are/will the systems be?



## Questions/Concerns (cont.)

### 5. Calibrations:

- How often?
- Who is in charge?
- Who determines if the calibration is valid?
- How will the ship time for the calibration(s) be funded? (12+hrs)



How to proceed?