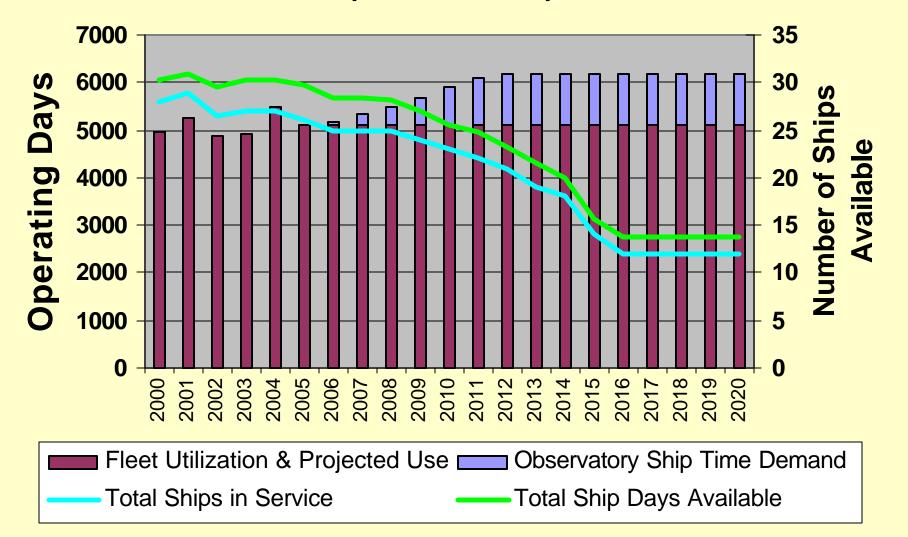
# UNOLS Fleet Utilization and Projections (2000 - 2020)

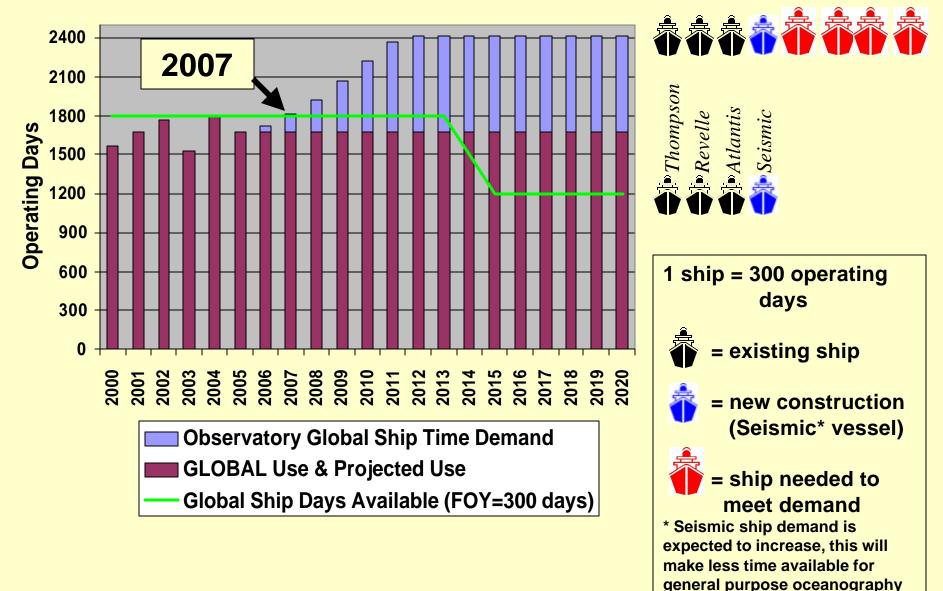


\* Only new construction with funds identified have been included in the total.

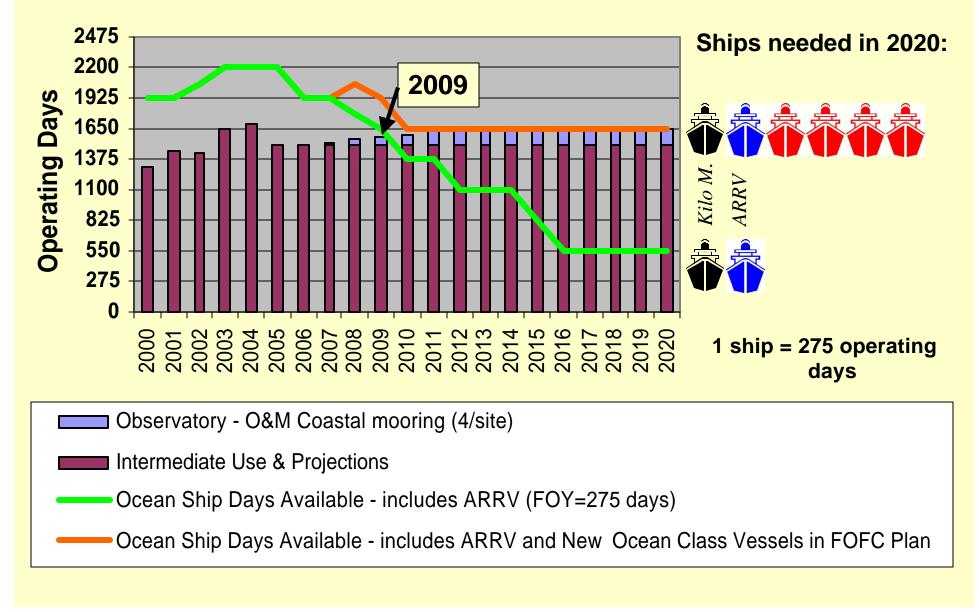
### **Global Ship Utilization and Projections**

Ships needed in 2020:

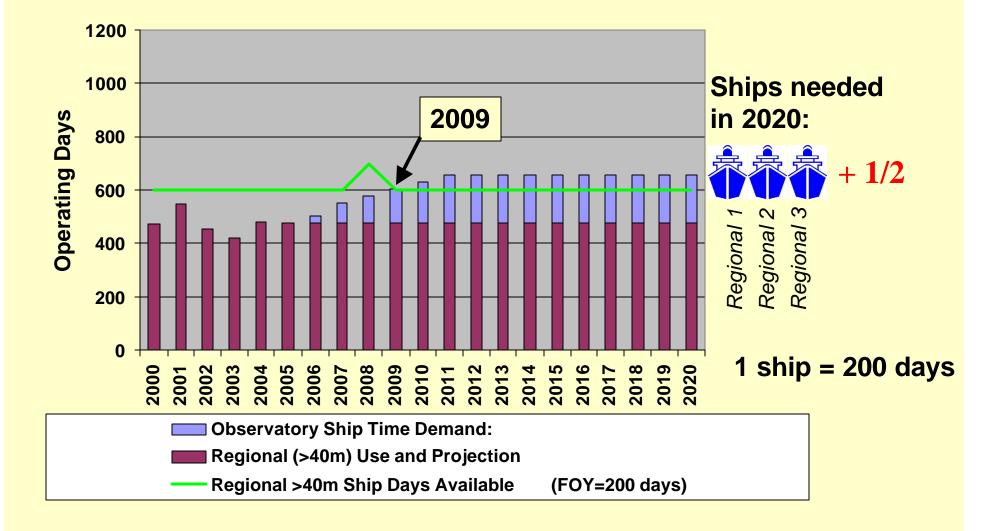
for this vessel.

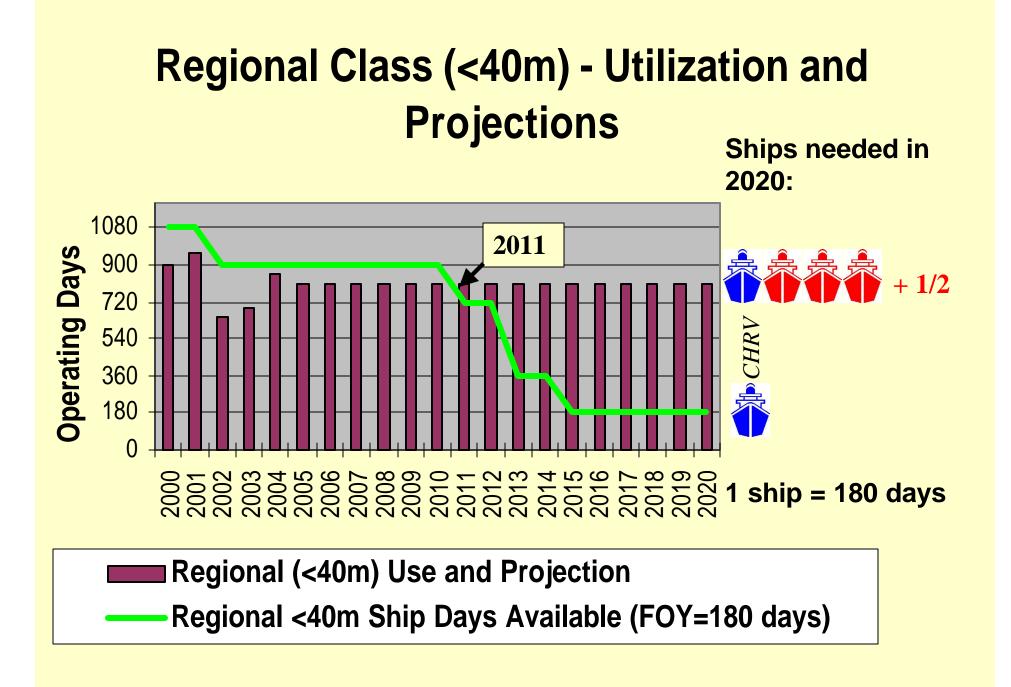


#### **Ocean/Intermediate Utilization and Projected Use**

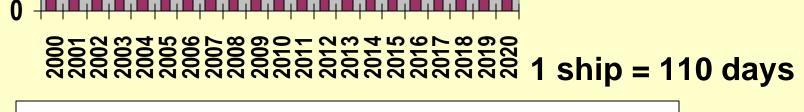


### Regional Class >40m Utilization and Projections





#### Local Class - Utilization and Projections Ships needed in 2020: 1100 990 770 660 550 440 330 220



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Local Ship Days Available

**Operating Days** 

110

(FOY=110 days)

# In Summary...

- The current Fleet includes 27 ships. In 2020 six of our current ships will still be in operation. Assuming that the new seismic vessel, ARRV, 3 NSF Regional vessels, and the CHRV are funded, six additional ships will be available for a total of 12 ships.
- With the addition of Ocean Observatory ship time (installation and O&M), demand is expected to increase ~1000 days by 2020.
- The additional Observatory ship time represents over 40% of the current use of the Global Class:
  - This is the most expensive day-rate category
  - Observatory needs will compete with the major interdisciplinary research programs that rely on the Global Class Vessels
- Funds to support the estimated future increase in ship time have not been identified.

## Summary - continued

- In 2020, a total of 21 <u>NEW</u> ships will be needed to meet estimated ship time demand (includes observatory ship time):
  - 5 Global ships (includes Seismic)
  - 5 Ocean Class ships (includes ARRV)
  - 3.5 Regional Class >40m ships (includes the 3 ships to be funded by NSF)
  - 7.5 Regional and Local Ships < 40m
- The ship time projections indicate catastrophic consequences to further delays in new vessel design and construction.