



UNOLS response to **2016 U.S. Academic Research Fleet Operations Support Findings and Recommendations**” from NSF and ONR

- Layup funds not provided for agency-owned assets.
- Schedules will maximize science support while minimizing costs.
- Disappointed only 2 RCRVs will be requested.
- Appreciate support for essential geophysical instrumentation.



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- Will take time to determine whether large programs will fit the new smaller, more efficient Ocean Class ships, especially in high latitude seas interfacing with large OOI assets.
- Using multiple ships may meet the bunking needs of a program, but at the cost of less communication within the program while at sea.

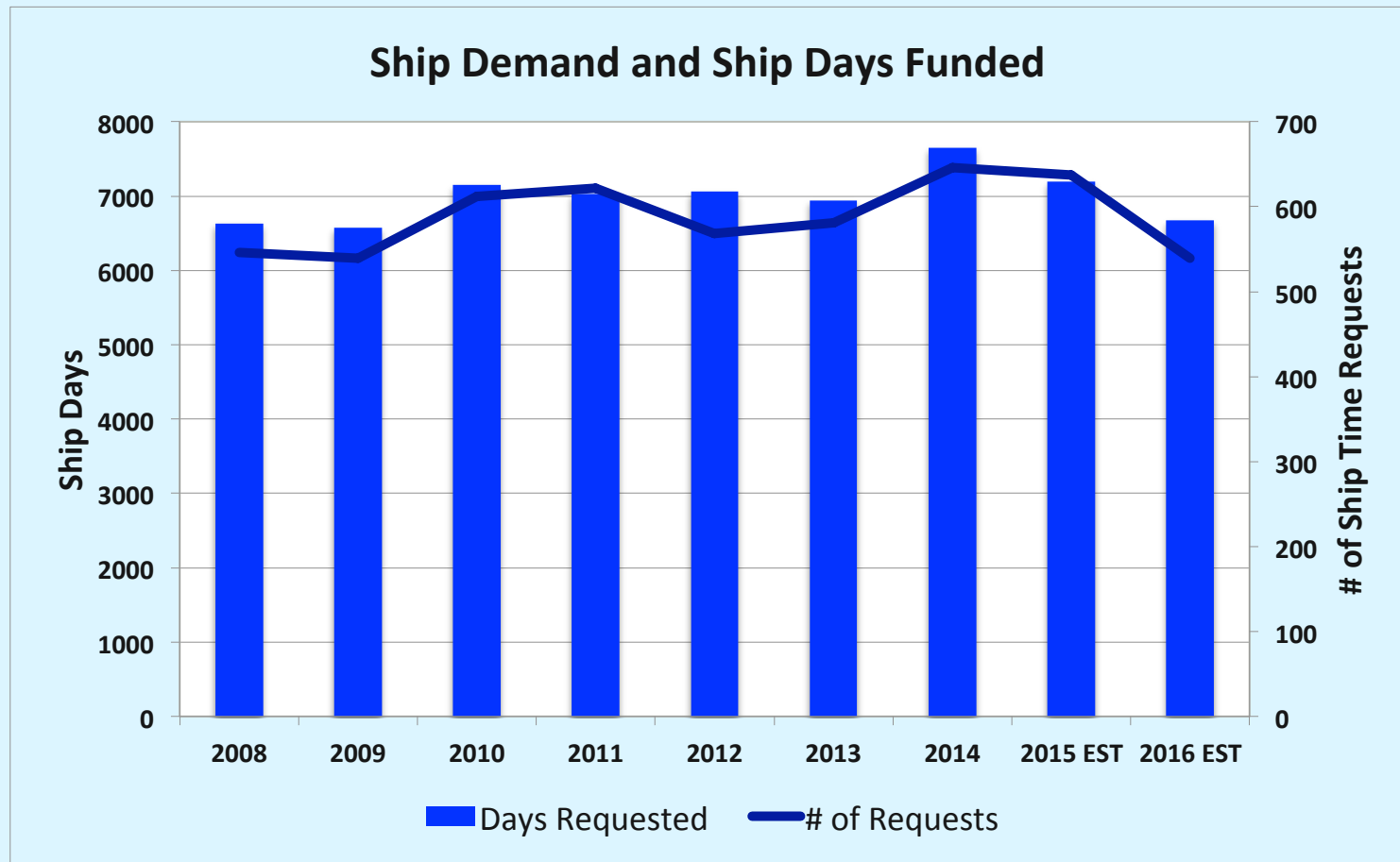


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- Global Class vessels still needed for large programs. Overhauls strongly supported.
- Need to start planning now for new Global Class ships.
- Icebreaker capabilities must be improved for safety and national interests as well as science.



Science Days Requested and Number of Requests from 2008 through 2014 **increased** slightly

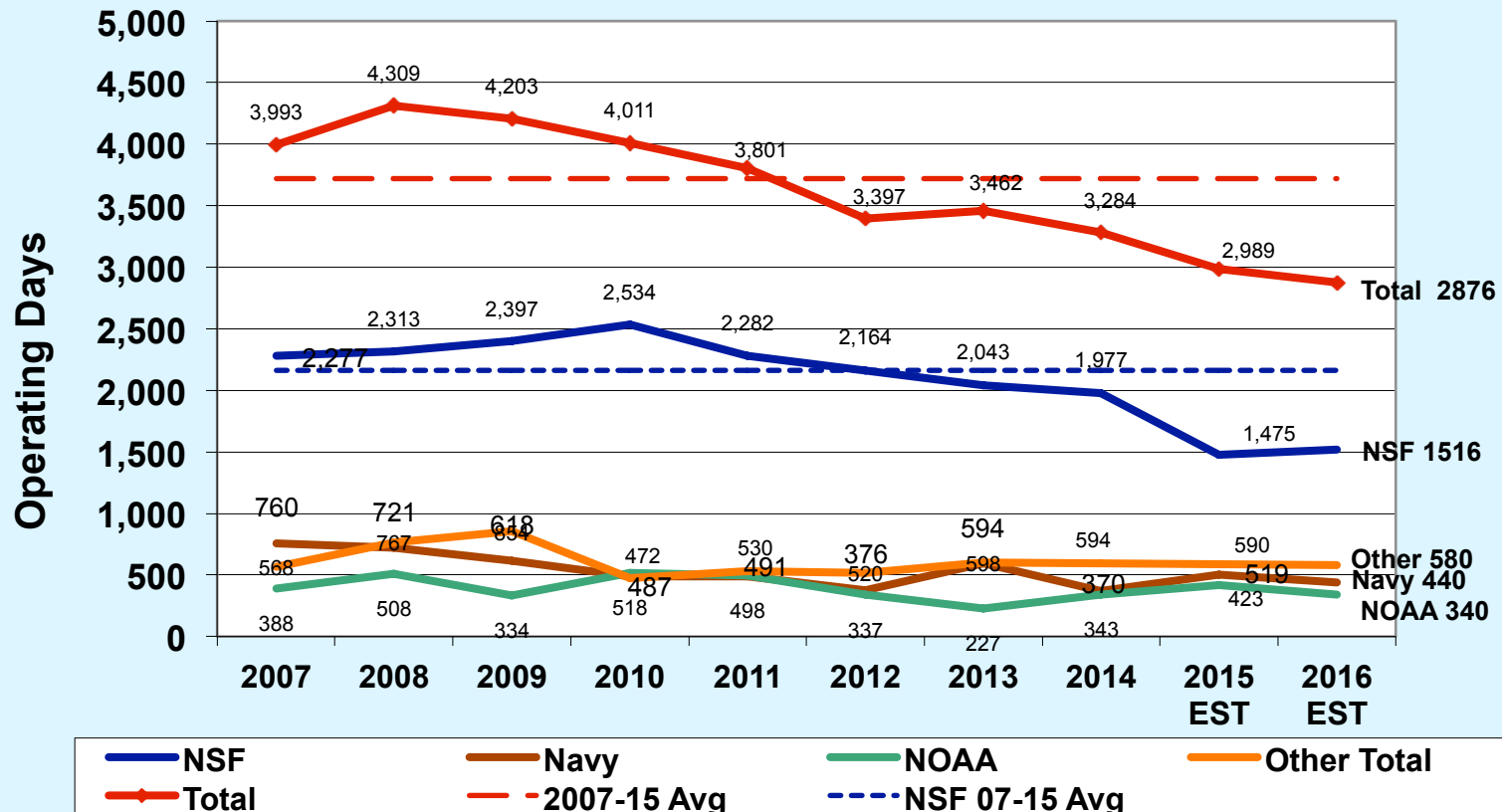




Number of ship days funded and operated decreased

Have non-ship proposals had a similar decline?

UNOLS Fleet Utilization (2007 - 2016)





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- Encourage NOAA to use UNOLS vessels for work when NOAA vessels are not available.
- Be sure all ship operators have the agency guidelines.
- Distribute guidelines 4-9 to PIs in the community