

**Global/Ocean Class Ship Scheduling Meeting**  
**NSF/Arlington, VA- Room 770**  
**Aug 31 & Sept 1, 2010**

**Executive Summary**

Federal agency representatives, ocean and global ship schedulers and UNOLS office personnel met on August 31 and September 1, 2010 to work collectively on the UNOLS Ship Schedules for the 2011 operating year. Due to the complexity of the ocean and global class schedules and relatively straight forward nature of the other ship classes, only the global and ocean schedulers met at NSF.

**Attendees:**

Linda Goad/NSF  
Bob Houtman/NSF  
Jim Holik/ NSF  
Robert Mason/NSF  
Deborah Smith/NSF  
Rodey Batiza/NSF  
Tim Schnoor/ONR  
Daniel Simon/NOAA-PMEL  
Alexandra Von Saunder/NOAA-OAR  
Craig Kohler/NOAA-DART  
Stan Winslow- UH/SSC Chair  
Liz Caporelli/WHOI/SSC Vice Chair  
Elizabeth Brenner/SIO  
Jeff Babcock/SIO- (called in)  
Jeff Rupert/LDEO-(called in)  
Doug Russell/UW  
Dan Schwartz/UW  
Jon Alberts/UNOLS  
Alice Doyle/UNOLS- (called in)

**August 31, 2010**

**NSF Report**

Bob Houtman & Linda Goad reported this was the lowest number of ship days remembered. NSF ~ 2000. 2010 has added days from ARRA funding. 2011 looks like significant down time forced onto the ships. We need to work together to see how it can be handled. Long term questions for federal agencies: Is this a point that this is the new high. No longer 4500-5000 days is it now going to be 3000-3500? Need to keep in mind for the future. We have a mix of ships that are at or near the end of service life dates. NSF is working with Fleet Improvement Committee, (FIC) and fleet operators to assess condition of ships and various constructions projects. Need to make decisions on what the demand is and what is the material condition of the ships. What are the ships in the fleet, what is the demand, what is the material condition, what is the projected demand, what is the need, when are the new ship coming online. Agencies will make recommendations on what ships will stay in fleet, what ships will be retired on time and early. For 2012 the agencies will do the recommendation process. We will have an idea of what is realistic of 2011. Agencies will submit recommendations to the UNOLS council.

**ONR Report**

Tim Schnoor: Navy is building two Ocean class vessels. ~220ft. Two designers bidding for the project will

choose in ~ 9 months. Two ships delivered in calendar year 2014. Navy will retire two ships from service, Knorr and Melville. Melville and Knorr will come offline sometime between now and 2013. Melville has extended maintenance period in 2011. Navy is looking at 500-600 days in 2011. Days depend on big Navy exercise schedule. May have more work depends on programs. Finished round of INSURV inspections. Three years until the next vessel inspections.

### **NOAA Report**

Dan Simon: NOAA global ship Ron Brown will be going into midlife refit in 2014 so NOAA will have a need for UNOLS Globals in 2014. A NOAA Ocean class ship that does TAO array will also have a midlife in 2014. There will be a need for UNOLS vessels in 2014 at the same time UNOLS ships will be taken out of service.

Alexandra Von Saunder:

End of 2011, early 2012, there will be 41 days Indian Ocean for Dynamo, may be able to get an additional 20 days on Revelle. 40 days on Thompson summer 2011 and 2012 Aleutian Trench. There are other smaller projects. NOAA will not be using UNOLS charter funds to fund internal operations so the funds will be available for charter. FOSI cruises are a lock, the vent cruises are not locked in, Lau and NEMO/JDF are not committed to for next year.

Craig Kohler: DART program. 39 stations worldwide. Separate into 6 regions. In the past they have done the mooring with commercial vessels and used a one vessel approach to do the all moorings. They are changing the service contractor. Now the maintenance approach is to service every buoy every year and bottom equipment every two years. Have had failures and are working on reducing features. Going to regional approach will make servicing more cost efficient. Better to do this with one vessel because of reduced transit. To work with UNOLS they need to keep transit days down because our day rates are higher. Difficult to issue Gov contracts for vessels directly so they are using a service contractor to charter cruises. Avg cost per day is under 20k day for 200ft. including fuel. Deck space is an issue on UNOLS vessels, more space on charter vessels. Need 2000 sq.ft. of deck space to carry buoys. Send out an electrical and mechanical ops person on each turnaround. When using a UNOLS vessel will need 5-6 people on deck, 2-3 DART ops people and 2-3 crew to assist. Cost for servicing moorings in 2010 was under 5million. The commercial ship is chartered for 180 days. Also used NOAA ships and UNOLS ships. Pacific and S At with commercial. Alex: looking at having same ship do the DART moorings and Stratus/Weller moorings off Chile in 2011.

Daniel Simon: Two Ecosystems and Fisheries-Oceanography Coordinated Investigations (Eco-FOCI) cruises in Bering Sea. Lau Basin after Oct 2011. NOAA NEMO/JDF cruise may be able to go before Oct 2011. NOAA ocean acidification cruise on Wecoma, 55 days will confirm number of days. Will have better information in the next three weeks, by end of Sept. They have confirmed that they will not use Charter Funds for ops in 2011, not sure what will happen in 2012. The idea was not received very well. The Charter funds are not big enough to help anyway.

**Program Managers:** No comment.

### **Linda Goad**

Linda showed her spreadsheet with comments on pending programs: Eliminated cruises that needed clearances before June. Anything asking for a Langseth will not be considered. Large # of Ocean Acidification have been declined.

2011 Ship time days: 1069 pending, 2250 funded, 727 possible pending days \* 25% success rate = 128days \* 1.35 gives possibility of an additional 245 days. Max projected days of ~3247 days for 2011. Decisions on

adding the new requests will be decided in Jan.

2012: Ship days 954 funded, 1061 pending.

### **Jeff Rupert**

Langseth: Need to remove Abers, no OBSs available. Coakley will happen, not an OBS cruise. Not sure what do after Wiens in Feb 2012. Wiens is a two ship operation with another Global. Carbotte, Sawyer and Canales will be funded depending on ship scheduling and availability.

Linda: any grant # starting with a 106 or lower should not be consider and will not be reviewed until Nov.

Jeff Babcock: Transits and getting gear. Ship make a west coast stop in May/June to pick up OBS. Need to sort out shipping back gear.

Linda: no ship in the Papa New Guinea program because no ship in the area to recover Gaherty/Baldwin OBSs. Need to ask PM for money to fund a ship to recover these.

### **Liz Brenner**

On the Revelle: Still trying to confirm number of days for maintenance at start of year.

Moum needs to be at 80E before Oct 1 and Worcester cannot go earlier. Issue with Preston, needs to go early in the year Feb only time fits in, clearance need to be submitted. Gordan may be able to go earlier but some land based equipment may not be ready. IWISE, 60-70 days.

Lien Scientists want to go to India not Diego Garcia.

Dynamo late 2011 to 2012: Evenly divided between the three agencies, 123 days of shiptime, NOAA pays for ~41 days, each agency is ~40 days. Pinkel is outside Dynamo . Issues between Moum and Pinkel on time between cruises, Pinkel wants one month, Moum wants only two weeks between cruises. OBSs on Stevens cruises.

### **Liz Caporelli**

Knorr: Koppers is doubled booked. Revelle and Knorr both in Cape Town. Beal confirmation on timing. Geotracers next cruise early 2013 Tahiti north to Peru upwelling area. The Yager cruise time constraints made it necessary to take this program off the Knorr and schedule on the Melville.

Atlantis: Will start 2011 with a shipyard period, then head to the US west coast and schedule Jason cruises in the summer of 2011. The final design review for the new Alvin is in Sept 2010 and the decisions that come out of this meeting will drive the Atlantis schedule.

### **Dan Schwartz:**

The Thompson will start the year with maintenance then Stabeno.

Cruises not covered at present include the Mairi Best/ Neptune Canada in May.

### **Wednesday Sept 1, 2010**

Jon Alberts: OBSI group will have access to schedules

The 2011 Cascadia cruise is on Wecoma and there may be a need for a few days survey with Multibeam, to augment any data that exists there.

Cascadia program will be decided mid Oct during PI meeting.

Linda Goad: CLIVAR

2011 S4P cruise on Palmer

2012 cruise will do: Lines A20 and A22

2012:

Langseth: Weins two ship op in early 2012 off Guam

Carbotte w/Wecoma

Lee: two Globals off mid Atlantic

The remainder of the afternoon was spent revising all the global and ocean class letters of intent into workable schedules which were then soon published. The day count at the end of the meeting was:

Melville/269 days, Revelle/323 days, Thompson/249 days, Knorr/269days, Atlantis/tbd, Langseth/252 days, Kilo Moana/248 days