

## UNOLS Ship Scheduling Meeting September 17, 2003

National Science Foundation  
4201 Wilson Blvd., Room 1235  
Arlington, VA

0846 Call meeting to order by Joe Ustach, Chair

Introductions around the room: Joe Ustach., Jack Bash, Jon Alberts, Bob Knox., Lee Black, Tom Smith, Dave Forcucci, Braxton Tesh, Shannon McArthur, Stan Winslow, Tim Askew, John Freitag, Linda Goad, Sandy Shor, Joan Gardner, Carl Groeneveld, Elizabeth White, Dave Epp, Eric Itswiere, Holly Smith.

The following people joined the meeting by phone and/or web conferencing at various times: Stewart Lamerdin/MLML, Rose Dufour/SIO, Dan Schwartz/UW, Fred Jones/OSU, John Collins/WHOI (OBSIP), Barbara Hickey/UW

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### 2003 ENDEAVOR Schedule Changes:

Affect Gschwend and Polzin by moving shipyard earlier. Check with CAPE HATTERAS if Gschwend can be scheduled in August.

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### 2004 Scheduling status and issues:

**Barnes:** 137 days, 130 funded, Murray is not funded. Murray, if funded will go in 2005. Same applies to Greengrove.

**Blue Heron:** 13 days funded, Cuhel has a pending request that can go if funded.

**Cape Hatteras:** Double bookings- November Fleming cruise with SJII, Fleming status won't be known for another couple of weeks. 175 days total, 82 days pending.

**Cape Henlopen:** 188 days, 59 pending. NRL Yang, Goff, Fromm are funded, Boyd is still pending. Fromm is two ship op with Endeavor, but this is a month earlier than he wants, but ENDEAVOR can't move him later. Need input on NOAA pending days.

**Gyre:** 65 pending days all pending. We thought DiMarco was funded, need input from NOAA. Same note in July.

**Longhorn:** 91 days, 35 pending, all cruises are funded by "other" agencies.

**Endeavor:** 254 days, 7 pending, First D'Asaro cruise may be cancelled if all floats are recovered this year on CAPE HATTERAS. November D'Asaro cruise may change in duration. Craig Lee is double booked with KNORR, which is the requested vessel. Craig Lee should be removed from ENDEAVOR Schedule. The schedule will be reduced significantly by these changes.

**Oceanus:** 264 days all funded, coordinate McGillicuddy in synch with WEATHERBIRD. Need to add one day for Gregg for mobilization. Available for ARGO floats.

**Pelican:** 258 days, NOAA and OTHER pending 56 days. D'Asaro is listed as pending and noted as non-op but the non-op box is not checked. Need to mark this cruise as non op to keep it from being counted in the operational days. Check numbers on Fredericq.

**Savannah:** 137 days total, 18 NASA & 25 NOAA days are pending.

**Seward Johnson:** 252 days, with 51 NOAA pending days, which are OE. This cruise should be increased to 55 days.

**Seward Johnson II:** 218 days, with 68 days pending. Fleming in Nov. is double-booked with CAPE HATTERAS and is still pending. Nov. Teague cruise is still pending at NRL. Sizemore needs to be moved a week or so later. Frank and Pomponi are still pending.

**Weatherbird:** 174 days total all funded. 90 days total for BATS. NSF requests that a summary of days per project (BATS, etc.) be included in the notes at the top of the schedule.

**Sproul:** 168 days, including mooring work for COOP/RISE if needed.

**Urraca:** 187 days total, Glynn is shown as 17 days pending, should be 15 days funded. Everything else is shown as pending. Update schedule.

**Walton Smith:** 233 days funded. Bowen ONR HAT Sea Trial has been cancelled. Remove from schedule.

**ISSUES Identified by Schedulers (brought in Rose Dufour, Dan Schwartz & Fred Jones by teleconference and web conference):**

PI	Ship	Issue
Gschwend	OCEANUS/ENDEAVOR	Not scheduled, 2003 needs to move because of shipyard. Would like to go next August. ENDEAVOR is not available.
Fornari, D.	ATLANTIS	Needs one more dive
Saito, Mak	KILO MOANA	Funded, not scheduled, Hawaii
Parker/SAIC		NOAA Geophysical/Multibeam, East Coast, not scheduled.
B.Hickey CoOP	WECOMA/POINT SUR	She wants June. July would be much better for WECOMA (would allow scheduling Saltzman, which makes sense coming back from the Western Pacific)
Hickey CoOP	SPROUL	Mooring Deployment: Would help if SPROUL or somebody could take the mooring cruise.
Hickey CoOP	WECOMA	Mooring Recovery: Wants to recover her CoOP moorings earlier.
Hickey, B.	WECOMA	We don't have her ECOHAB work scheduled.
Peterson, W.	WECOMA	12 days throughout the year not well scheduled.
Huyer/Kosro	WECOMA	2 and 3 days respectively - can combine with a Peterson cruise. Verify funding status for Kosro
Taylor/Wiens	WECOMA	Want to go later but I think we gave them the number of days they need.
Saltzman	WECOMA	He is happy (if he gets on the schedule).
Sherr	WECOMA	They need to go in Sep. due to upwelling and earlier commitments on HEALEY.

Wijsekera	WECOMA	Needs to go earlier than Oct -- needs upwelling.
Fromm	ENDEAVOR/C.H.	Needs to move later.
Several	Several	Watts, Kuehl, SAFE, Clivar. Need to identify sequence of cruises that meets the most requirements.
Kuehl	KILO MOANA	At least a week too early
Measures	Various	Schedule conflicts between SAFE, CLIVAR & Nelson cruises
OBS schedule	Various	Laske might need to move later unless McGuire is earlier. McGuire can't start until October. This means that Laske and Gaherty need to go in 2005 unless McGuire is deferred.
Lynn Talley	KNORR	About two weeks late from her ideal time frame. STR shows 9/20 as alternate. Also, ADCP is a question on KNORR.
Sohn & Tivey	KNORR	Need answer ISIS ROV. If not available, what then?
Martinez	KILO MOANA	Possible modifications or repairs to DSL 120 needed before Martinez
Stabeno, P	ALPHA HELIX	Need to confirm schedule needs using ALPHA HELIX and determine if fall requirements can be covered.
Embley /Urabe	THOMPSON 2	need more days than scheduled, need to verify ROPOS use and suitability.
Vrijenhoek, R.	REVELLE	ROV maintenance schedule - How does that impact conducting this cruise

## Discussions:

### Hickey COOP ≠ POINT SUR, ALPHA HELIX, WECOMA

Talked with Stewart Lamerdin earlier by phone about possibilities with POINT SUR in June. Stewart will investigate moving Hickey to start to June 15 instead of June 18.

\* Decided to call Barbara Hickey later and ask about the use of the Alpha Helix with the Point Sur and about scheduling in July with WECOMA.

### THOMPSON, MELVILLE, KILO MOANA, REVELLE

Showed current LOIs and developed the [paper napkin scenario](#) which is on [Fastrack 2004 schedule version 030917](#). Keeps Watts on THOMPSON (ie THOMPSON 1 schedule.) Takes Johnson off and tries to fit Buessler. Doesn't really fit.

KILO keeps Kuehl and tries to move him later by taking Buessler off. Martinez cannot end any later than currently scheduled. Would need a break in Fiji or N.Z if Kuehl was moved later.

\* Need to ask Kuehl if current KILO MOANA LOI dates are ok. Linda called, no answer, will send an email later.

Called Ken Buessler who said that he could consider other ships and dates, but wants all cruises on same ship.

\* Jon Alberts will talk further with Buessler about needs when he returns to WHOI.

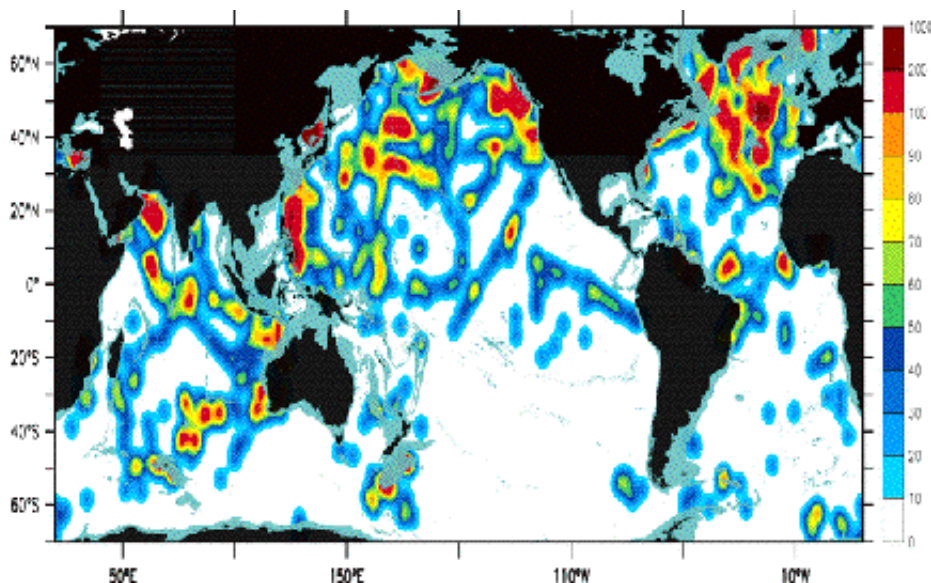
MELVILLE takes back Swift/CLIVAR cruise, but starts earlier by transiting directly after Nittrouer. Mercer moved earlier, Johnson after Swift. Nelson and Laske after Johnson. See later discussion.

### **ARGO Floats:**

Steve Piotrowicz from NOAA provided an overview of the ARGO float deployment plan. They are looking at 2004 and 2005 period for UNOLS vessel distribution of floats. Holes in the distribution of these floats exist in the South Pacific. They need around 900 floats to fill in the gaps Will use New Zealand and Russian ships for some and UNOLS for others.

Scheduling this work will be through the PI, Dean Roemmich at SIO. They don't necessarily need to send their own personnel, the work can be done with ship's personnel and technicians or members of a science party if willing. Would like a coincident CTD to 2000 meters with each deployment. May be able do lower number of CTD's if it badly affects the schedules. UNOLS should run potential schedules by Dean Roemmich for scheduling. Will cover the costs associated with increased transit time associated with their deployments with their budget. Not really a method to cover the entire costs of a transit.

Current Coverage chart for ARGO Floats:



### **OBS Schedule conflicts:**

Looked at OBS schedules but could not talk with John Collins, to answer questions. (John called later, see discussion later in minutes)

### **Budget and Oversubscribed Schedules -Decisions and Action Items:**

Started talking about the number of days on schedules and setting priorities.

NOAA priorities were Stabeno, Embley (both?), Weller, OE work.

**EWING:** Directed to look at scheduling Stabeno, both cruises if at all possible. Reduce schedule to 300 days if possible. Look at the OBS schedule carefully. Laske is a priority over McGuire according to program manager. Check on Andronicos permitting and consider deferring if not feasible. Defer

McGuire, and consider Laske on EWING.

**MELVILLE:** NSF will prioritize cruises for removal from schedule. Move Nelson to Thompson or Atlantis. Move Laske to another ship or schedule later if possible.

**ATLANTIS:** Take Mazel/ONR off, move Booksh to EPR, put ECOHAB in the early September, move Voight earlier, keep all ALVIN cruise together and then schedule Non-ALVIN as a block. Looked at scheduling Nelson, but this is a conflict with Johnson on MELVILLE.

**THOMPSON:** Do Nelson instead of Haymond, move Haymond to 2005. UW call Paul Quay about doing his work on transit out for Nelson in Nov 04.

**OBS:** John Collins called. Vernon cruise is independent of other cruises. Christeson and Reves-Sohn use same personnel and portable lab. Need to work out shipping between ships and schedule adjustments as necessary (WHOI, HBOI, OBISP). Laske can go as early as Nov. 1, but no earlier. Cannot overlap with Andronicos due to personnel. OBSIP is considering McGuire as a 2005 cruise.

## **SUMMARY OF ACTION ITEMS:**

**(as of the time of the scheduling meeting, most of these have been dealt with)**

1. Answer from Dolly and NERC on use of ISIS ROV for Reves-Sohn and Maurice Tivey on KNORR. (Dolly Dieter)
2. Coordination of SJ & KNORR schedules around OBSIP personnel (Jon Alberts, John Collins, Tim Askew)
3. Call and/or email Steve Kuehl about May 15  $\neq$  30 dates on KILO MOANA (Linda Goad, Mike Prince or Stan Winslow)
4. Talk to Ken Buesseler about ship requirements (Jon Alberts and Stan Winslow)
5. Decide on Ken Buesseler versus Steve Kuehl re: potential deferral (Linda Goad)
6. Set priorities and maximum schedules for oversubscribed ships (Linda Goad, John Freitag and schedulers)
7. Close the loop with OE, Embley, Urabe and PMEL regarding use of ROPOS and number of funded days for Ring of Fire cruise on THOMPSON (Carl Groenveld, Dan Schwartz)
8. Is Talley to be scheduled on KNORR in 2004 (Linda Goad)
9. Is Weller scheduled for Brown or Knorr (Carl Groenveld, Jon Alberts)
10. Modifications/repairs to DSL 120 before Martinez (Jon Alberts, Stan Winslow)
11. Number of days for NURP (Rose/Liz, Ray Highsmith)
12. Coordinate last three Lau Basin cruises (Rose/Liz, Stan Winslow)
13. Does KNORR Schedule Parker/SAIC request (tied to Talley decision) (Jon Alberts)
14. Mak Saito, Does this request get scheduled and how? (Stan Winslow, Rose/Liz, Linda Goad)
15. Schedule Rachel Haymond in 2005? (Dan Schwartz, Linda Goad)
16. Coop/Rise decisions (Stewart Lamerdin, Fred Jones, Tom Smith, Linda Goad)
17. Schedules to Dean Roemmich for ARGO floats (Mike Prince, Rose/Liz)
18. Schedule HOTS Cruises and make list of unscheduled cruises. (Stan Winslow)
19. ROV schedule at end of year, beginning 05 (Jon Alberts)
20. Work on EWING Schedule regarding Stabeno, OBS schedules and decisions about McGuire and

Andronicos. (John Diebold, Mike Rawson, Linda Goad, Carl Groeneveld)

21. Schedule for Laske? (Rose/Liz, Dan Schwartz, Linda Goad, John Collins)

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## **Cruise Tracks**

[ENDEAVOR](#)

[REVELLE](#)

[MELVILLE](#)

[MELVILLE 2](#)

[EWING](#)

[KILO MOANA](#)

Back of the Napkin Fastrack Schedule solution for Pacific Ships (MELVILLE, REVELLE, THOMPSON, & KILO MOANA)

This file shows the scenario used to find solutions to conflicts with PT's and to put projects in the proper time slot. A modified version of this was used to develop the next version of schedules.

[2004 Sched 030917.pdf](#)