

Ship Scheduling Meeting
Wednesday, July 17, 2002
Boardroom (room # 1235)
National Science Foundation
Arlington, VA
Draft Minutes

Meeting attempted to follow the agenda attached as [appendix I](#)

A list of the attendees is attached as [appendix II](#)

0830 Call meeting to order

Introductions around the room ≠ list of attendees attached as appendix II

Tim Pfeiffer announced that ONR will now fund 100% of shiptime from the facilities budget from now on, similar to NSF.

1. LOI discussions - double bookings, declines, omissions
 - A. East Coast Intermediate, Regional and Local (Including the Great Lakes)
 - a. BLUE HERON
 - b. SAVANNAH

Allison is double booked with Pelican and should be removed from SAVANNAH schedule.

- c. URACCA

Can they cover Kevin Brown equipment recovery? PI and STRI have been asked to contact one another and determine if this cruise can be scheduled on URACCA.

Glynn is funded

- d. WEATHERBIRD

Bates is a decline

Detrick is pending

Fratantoni funding is 6 days NSF, 4 days ONR ,NSF days should be linked to STR # 2001071810401109. The Sept. 18th start date is ONR cruise, link is right

- e. CAPE HENLOPEN

Charette(Mulligan is PI) OCE-0233622 ≠ Water Cycle ≠ Panel is Oct 7-9. too late for 2003 ship time.

Makris work is a conflict in time with Garvine. Need to coordinate with Oceanus and Endeavor.

NOAA work is pending

Boyd/NRL pending today's NRL decisions may need to be added.

f. CAPE HATTERAS

Double Bookings

NAVO 40 days pending, some double booked

Inzce/NUWC needs two ships, three have it scheduled

Cape Hatteras will be in refit through May, but may be operable in April. 106 days scheduled, 30 days funded plus 11 State days

OCE 0220890 Osborne funded 14 days

0233620 Charette (Also on WECOMA) panel is in Oct. may not be funded for 2003 shiptime

Corliss is declined

g. ENDEAVOR

Double Bookings

Inzce/NUWC two ships requested, three scheduled

Start with Christensen. Then a Required shipyard. Schedule is fixed by the Navy programs that are multi ship and with fixed dates.

Balch and Orr requires a ScanFish which has been lost. Will need to find an existing scanfish.

Summer is a full schedule to be worked out with OCEANUS. Chen is the only other double booking with OCEANUS.

End of the year schedule goes south, but there are some problems. Limeburner needs to go earlier because of battery life and other cruise conflicts for his personnel. Probably needs to find another ship.

Cutter needs to go in August and Hebert is flexible.

Need to resolve the Southern work with other ship schedules

Christensen is authorized for 5 additional science days in 2003 for a total of 23.

h. OCEANUS

Double Bookings

NAVO Phys. Oc is double booked

Inzce/NUWC needs two ships, scheduled on three

Chen pending, high probability of funding,

McGillicuddy is funded by NOAA

Need to consider the possibility of doing some Med work with an Intermediate, because too much work there needs to be done at the same time. This is in the early part of the year when the ships are busy elsewhere, so will need some creative scheduling.

i. SEWARD JOHNSON II

Double Bookings

NAVO, funding not likely

Ingall, but will be declined

Devol is funded.

Might do a partial layup on SJII by moving some work to SJ

j. SEWARD JOHNSON

NAVO double booked and pending

Limeburner is on the schedule, but by itself so would involve a lot of transit, also being considered on ENDEAVOR and MELVILLE

Benetti, Coral Reef Eco Systems, questioned, because NOAA (Kenric) did not know of any ship time needs. Kenric will check.

9981618 is OCE number for Carpenter.

Ocean Exploration work is pending

Pilskaln is declined

Mazel/Navy is funded

Johnsen/Navy is pending (NOT SURE I HAVE THIS ONE RIGHT).

Johns/Navy is pending. Bill Hahn thought that he wanted the BROWN because of Seabeam. Need to resolve actual needs

Leaves about 119 days funded. May have to combine schedules, although there is a lot of sub work which has to be done in good weather.

k. WALTON SMITH

NAVO pending

Landing- no request, no project, remove from schedule

Reid 0221796 ≠ recommended for funding.

Visscher is declined.

Pam Reid is funded for 14 Navy days. Reid is also funded by NSF as well on an EAR award, need to verify how many days. Original request was for 10 days in 2002 and 25 in 2003.

Grasmueck is declined.

Heil is double booked with PELICAN and has done the work in the first two years on the WALTON SMITH, but NSF would like the cruise on PELICAN unless the PI can provide scientific justification for using WALTON SMITH.

B. Gulf of Mexico Intermediate, Regional, and Local
a. PELICAN

NAVO pending

Ingall is going to be declined. (double-booked on several ships)

Total days without Ingall is 221.

PELICAN should be out of the shipyard in mid April.

Bianchi will wait until after shipyard, Rabalais will go on ACADIAN during shipyard.

Schedule shows Corbett from October on with Bianchi's OCE number. It is correct earlier.

Allison would be scheduled to go with Heil and the transit to St. Pete would be split between agencies. Allison is pending and double booked on SAVANNAH, but should stay on PELICAN.

NRL Richardson, one is funded. Other Richardson and Wang will be decided later today by NRL.

Rayborn is pending

Hannifen and Dagg/ NOAA work is pending, Fred Rossmann. will check status.

Rabalais is funded through about July and after that is pending new funding (NOAA)

b. GYRE

NAVO is pending

DiMarco is a COOP proposal that has not been submitted yet and requests some 2003 Nov/Dec) work but it will not be funded for field in 2003.

Lisa Campbell has one day of funded NOAA work for GYRE which should be added.

c. LONGHORN

NAVO 22 days is pending

Light schedule at the beginning of the year, can cover PELICAN if necessary

Whopper should be Walpert and Taylor should be from NAVO.

C. West Coast Intermediate, Regional, and Local
a. ALPHA HELIX

Status of GLOBEC work and Musgrave add on. ≠ Kenric

GLOBEC panel is the third week in November and the decisions will impact HELIX schedule and WECOMA.

Musgrave is a placeholder for proposals being submitted for GLOBEC.

Towed undulating vehicle availability is an issue for GLOBEC cruises and several others in the fleet. NSF and ONR are working with operators to identify available vehicles and how to get another vehicle sooner than later.

Estes work, can go on TIGLAX (?) as in the past

OPP0220717 for Muchow, is still pending.

Coyle NOAA cruise is still pending, probably NMFS

b. BARNES

Some continuing programs, good year

c. POINT SUR

NAVO is pending

McManus to be funded

194 days total, 80 funded and 114 pending although many are sure to be funded.

Triaxus is an issue for several funded cruises

Huesemann is questionable and triple booked. Area is flexible. Liz, Fred and Rich will follow up (I believe Rich found out he is not funded)

Chavez NSF proposal is declined

McManus is funded OCE0219615 CHECK THIS # Ok with 14 days total

Bishop is not funded

Collins proposal is ONR project and is funded

Add Boyd NRL if funded, request not in system, pending decision today

New total is 202 days, but still includes Huesemann and NAVO (total 30 days).

d. SPROUL

Add 16 ONR days for Cooperman and Berger

UC days to be added depending on funding

Hildebrand is funded by Navy

Brown NSF is declined

Diachok NRL pending cruise to be decided today, 10 Days in May

e. NEW HORIZON

NAVO is pending

Stein/Navy is funded and has marine mammal permit.

Check timing on Dever with Garfield cruise on POINT SUR

Goericke is funded for 25 days port to port for two cruises

Craig Smith NOAA funding status is unknown. Fred Rossmann will check.

Huesemann funding is questionable triple booked . Rich Muller to check.

Seibel DOE funding status is unknown

f. WECOMA

Batchelder is place holder for mesoscale GLOBEC work: (Kenric)

Barth needs to be coordinated with Wheeler on REVELLE

Huesemann is questionable and triple booked.

Bachelder- get rid of OCE number

Hebert does not need shiptime on WECOMA

Sherr will not go in 2003 if funded

0233620 Charette (Also on WECOMA) panel is in Oct. may not be funded for 2003 work

g. KILO MOANA

Several double bookings with REVELLE

NOAA Bearing Sea work, Stabeno & Eble should be considered

HOTS has several cruises that are not covered

Schedule starts with the PSA in January.

Stein/ONR is funded

Taylor/NAVO is pending

June to September is overbooked

Laske needs to go after September and would prefer to go on REVELLE or THOMPSON. Concerned about OBS deployment (Freeboard) and load limits on KILO MOANA.

Chave and Smith to go to REVELLE schedule

Villareal would prefer a SIO ship because of Blue Water diving support

NEED to find a place for Villareal in summer time

Pfeiffer Navy Survey in December is double booking with earlier cruise, remove.

Potential add on to HOTS for Dunnebier late in 2003 or early 2004 that would make that HOTS cruise 10 days.

KILO MOANA Schedule modified during meeting leaving Villareal, Luther, HOTS (May ≠ Oct) not scheduled. New schedule adds Stabeno first cruise and Eble in the Bering Sea.

D. Large (Global) Class Research Vessels & ROVs

a. ATLANTIS/ALVIN

Sohn & Tivey ≠ Can they use ALVIN instead of ROV?

Tivey can't use ALVIN so need to consider with ROV scheduling.

Booksh may not be ready for 2003 work

Start on EPR at beginning of the year for work that has been deferred

Then Gulf of Mexico work for Sheppard that was cancelled for 2002

Need to make July maintenance period longer.

Sohn needs to go before EWING cruise. Originally asked for JASON II but can use ALVIN.

Will revise schedule by putting Kelly in place of Tivey, Sohn moves earlier, expand maintenance time

Need to know if Ocean Exploration and Sheppard be done back to back and in some other part of the year.

Jon will look at the timing for maintenance periods and squeezing in NOAA cruises.

OpDay is declined.

Cavanaugh changes to pending.

Schedule goes to about 290 days

b. ROV's

German cruise is a test cruise of new ROV, this needs a ship sometime after January.

McCartney needs ROV and ship or some other method as early in the year as possible to recover moorings with defective releases.

Debbie Kelly ≠ JDF work ≠ defer 2nd cruise to 2004

Kelly is higher priority than Chadwick

Polkany to 2004 which is a one year postponement, need to check if this can go to 2004

M. Tivey can't use ALVIN so need to see about scheduling ROV

Embyl in western Pacific and JDF

JDF work could use ROPOS, ship time not available and ROPOS may not be avail.

Embyl Ring of Fire does not need ROV

JASON II switch from THOMPSON to REVELLE in early August

ROV supports Fryer then travels to JDF on board THOMPSON and does Kelly, Johnson/Voight. Then goes to REVELLE and does Becker/Jones and then Chave/Smith to Hawaii

Not covered in 2003: Embyl, McCartney, Tivey, Chadwick, Kelly (2nd cruise) and Polkany .

c. THOMPSON

Will use transit to JDF for transportation of Jason II

NOAA work in Bering Sea, Embly, 2nd Brink and Inzce not covered.

Fryer needs OSU coring, conflict with Slowey?? check

d. REVELLE

P. Wheeler and loading location is an issue because of potential weather problems and pilot requirements getting into Newport in the winter.

Wheeler will be a San Diego to San Diego cruise which reduces the cruise by about 4 days and ensures a better chance of not wasting science days waiting to get into Newport.

Chadwell is deferred from last year.

Chadwick/Becker/Jones becomes Becker cruise with Jones as ancillary project that may add one day, reducing the total by about 7 days which gets Chave/Smith started earlier.

Laske to be scheduled after Hildebrand in Hawaii.

Add two days for Terrel/ONR to transit from Hawaii to Acapulco

Lonsdale and Chadwell will follow Laske.

Polkany after Chadwell in 2004

Villereal still needs a ship, can this be done on NEW HORIZON, WECOMA or THOMPSON?

Weller needs a ship off of Chile for Mooring turnaround which needs to be in October due to battery life.

e. MELVILLE_1 (Africa to Western Pacific version)

Can Byrne and Dick work together on one cruise?

Byrne and Beal were deferred from last year and H. Dick is completing lost time from previous cruise.

Slowey ≠ Insurance issue resolved in that they can work up to twelve miles offshore.

Go to Western Pacific for Navy cruises?

2nd Brink

Bartek ECS seems unlikely and will use a Taiwanese ship

Navy exercise in Japan (2nd Ship?)

Nitrouer et al 2nd cruise

Embly

MELVILLE_II (Stay in Atlantic)

Global Ocean Repeat Hydrography (KNORR OR MELVILLE)

Limeburner

McCartney

Hebert

Keigwin needs to be summer and is possible if one or more of the Limeburner, Hebert and McCartney cruises are delayed. It might be possible to use OSU equipment and leave it on board.

MELVILLE would be done in Atlantic around September.

f. KNORR

Global Ocean Repeat Hydrography

Double booking with MELVILLE (2) and very late in the year

Med work ≠ Craig Lee equipment ready? Yes

Intermediate to help with the timing?

Luther needs to be earlier and takes precedence over others in his group.

Can ship start earlier in December?

g. EWING

Holbrook should be 40 days total including port days and will not include coring.

Sohn (Alvin or ROV work first) 6 science days, transit days high?

Barton/Gulich total days 40 including port days, no other funding.

h. BROWN

Global Ocean Repeat Hydrography

Limeburner? No

McCartney? No

Schedule is up in the air due to recent changes in science plans

After inport in Charleston, work down south or on ocean exploration, then 45 day CO2 cruise,

Repeat Hydrography cruise is Feeley/Wanninkhof

2. Security Issues and Clearances

A. ONI ≠ Charles Dragronette input

- a. Close to shore and inport are biggest danger areas
- b. Highjackings in Somalia and the Northwest of Indonesia, in the southern Philipines and the passage between Indonesia are an issue but don't appear to directly affect any planned schedules. May require careful and circuitous routing around Indonesia and Phillipines.
- c. Talked about how things have changed since Sept. 11. There is no history that says we act differently with regards to ships such as we have with airplanes. For now, ships take the same kind of precautions that should have always been taken.
- d. Ships are at greatest risk entering or leaving port.
- e. Ship crews need some form of organized training on threat awareness and security. Due

diligence dictates that you conduct this type of training.

f. Situational awareness is the closest to real time intelligence. Threat awareness reports are after the fact and same day at best.

- B. Specific concerns for 2003 schedules
 - a. THOMPSON

Vietnam, most problems are in the north and they are minor thefts, etc.

Transit in and around Indonesia and Philippines.

- b. KNORR

Mediterranean, nothing predictable as a threat that is definitive at this time, but their general feeling is that the Med or the Red Sea are the likely next place for problems.

- c. REVELLE

Ecuador ≠ lots of negative activity lately but now the government has taken action to protect an eighty kilometer channel entering port. The farthest offshore for reported problems is at the pilot station.

- d. EWING

No real problems with the possible exception of Venezuela.

Guayana on the north coast of South America is a problem. Pilots carry weapons there.

- e. MELVILLE

Southern and Western Africa ≠ No dangers offshore in these areas, but the climate in the ports can be dangerous.

See THOMPSON if MELVILLE goes to the Western Pacific.

- f. BROWN

See notes about EWING.

- C. State Department ≠ Liz Tirpak

Travel warnings on the web linked from UNOLS security page

Liz has a list of regional security officers. Call her for names to make contact and get current information on areas the ship will call at ports.

Fish people say that Ecuador is very unhappy with U.S. and there are some problems there.

Will make available charts depicting maritime boundaries.

1600 Adjourn to schedule review meeting.

1530 ≠ 1700 Scheduling Review Meeting

(Chair, Vice ≠Chair, UNOLS, Program managers, SIO, LDEO, UW, Hawaii, WHOI schedulers)

KILO MOANA schedule was updated.

Covered: NOAA Bering Sea work; Eble and Stabeno, Bruland and Popp. 2nd Stabeno cruise not scheduled.

Michaels is scheduled much later than required.

Not Covered: May ≠ Sept. HOTS cruises

Could do Sept and Oct HOTS and potentially 2nd Stabeno cruise if Michaels is dropped.

Lost Luther 7 days July, needs Multi Beam,

Villeareal with diving off Hawaii needs summer, not covered

Laske goes to REVELLE, Smith and Chave go to REVELLE

The following is a list of Scheduling Problems, potential solutions and items to be checked to see if solutions will work:

Navy Cruises in Western Pacific potentially not covered (Brink 2nd Cruise and Inzce NUWC cruise in Japan needing two ships)

Possible solutions:

MELVILLE ≠ Melville (1) schedule (Liz Brenner)

Vietnamese vessel (John Freitag)

KILO MOANA ≠ would need several changes and other vessels to cover cruises

Stan ≠ Contact Popp, Bruland

Liz ≠ What time frames Horizon is available in Hawaii or PNW

Avail from May through 1st of August

Fred Jones ≠ Availability of WECOMA in Bering Sea or Hawaii

Covering Bering Sea Work for Stabeno (2), Eble, Bruland, Popp

Kilo Moana ≠ Current schedule with change to add 2nd Stabeno (Stan)

Wecoma ≠ See if any Bering Sea or Hawaii work can be covered (Fred J)

Villareal not covered

NEW HORIZON or WECOMA ≠ Liz to contact PI

WECOMA ≠ Fred Jones to check availability

Luther, D. not covered - 7 days in last two weeks of July with Multi-Beam

??? No ideas presented.

HOTS Cruises not covered May through Oct.

Kilo Moana

New Horizon

Wecoma

KOK

Other Pacific Cruises not covered:

Weller ≠ Mooring recover in Oct. at 20 S

MELVILLE go through Canal

REVELLE do later than desired

Embly Ring of Fire work

MELVILLE, THOMPSON or REVELLE

Kevin Brown equipment Recovery

URACCA

Med ≠ Problems (Jon with Bill, Tim, Joe and Matt)

M. Gregg needs to be followed by Luther (et al) in May

Craig Lee and Luther need the same time and both need large ships

Postpone 1st Craig Lee to 2004 and move others forward

Clearances are a problem.

Identify potential Intermediate ships to cover some of the work

See if Nittrouer and Cindy Lee can go on Intermediate

Which ships and which lines are covered for CLIVAR/Swift (Jon and Liz)

MELVILLE

KNORR late in year

More than one ship?

Cruises left hanging in the Atlantic

Hebert (ENDEAVOR or MELVILLE)

Limeburner (ENDEAVOR, MELVILLE)

McCartney (MELVILLE, Need ROV but JASON II may not be avail)

Look for other potential solutions

Tim Askew should examine winch from Scripps and HBOI ROV

Kegwin (MELVILLE) needs summer Jumbo piston coring

Tivey Mid Atlantic Ridge ROV work, need ROV and Ship

1800 Adjourn

Cruise Tracks:

[Endeavor_2003CruiseTrack.jpg](#)

[KiloMoana_2003.jpg](#)

[RepeatHydrography.gif](#)

[Wecoma_2003.gif](#)

[ewing_2003_LOI.gif](#)