

<b>Chief Scientist:</b> Gene Domack <b>Event#:</b> G-096-L		<b>Ph:</b> 315-859-4711 <b>E-mail:</b>	<b>Cruise #:</b> LMG05-02	<b>MPC:</b> Ager <b>Date:</b> 3/12/05
<b>Yes</b>	<b>No</b>	<b>Planning</b>		
<b>X</b>		SIP process adequate?	Yes, fine. However, specific proposed objectives can be vessel specific, ie multi-beam sonar, Bathy 2000, etc. available only on the Nathaniel Palmer. So, proposals approved with certain vessel-specific objectives can be compromised when certain equipment required for these objectives is not on board the assigned vessel. In this case, the above-mentioned systems should have been considered in a lease situation (towed multi-beam sled, Bathy 2000) for these proposed objectives when the LMG was assigned to support this research. There seems to be some disconnect between equipment-specific goals and vessel assignment.	
<b>X</b>		RSP helpful and timely?	RSP helpful. Weekly updates were excellent in tracking procurements. Delivery of the completed RSP a couple of weeks earlier would be helpful.	
<b>X</b>		POC responsive?	The assignment of several different POCs during the SIP-RSP process made things a bit complicated. Having one of the POCs sail the trip was useful for tracking certain needs.	
		<b>Medical</b>		
		Kits sent out on time?	Grant money was used to hire an assistant for keeping the PQ process going from the grantee end. Phone calls, appointments, tracking progress, etc. "beating the bushes" to get everything in on time.	
<b>X</b>		Questions answered?	Yes.	

<b>Event#:</b> G-096-L		
<b>Date:</b> 3/12/05		
<b>Yes</b>	<b>No</b>	<b>Travel</b>
<b>X</b>		TRW available and understandable?  Fine. TRW form needs more space for information on trips with multiple legs to be filled in. Delta Airlines was used for the Hamilton/Colgate group. This made a single connection to Atlanta/Santiago possible, eliminating needless plane-changes. Also, when Syracuse is the origin, only Delta provides large enough aircraft for multiple bags and samples. United/American use turbo-props that often are weight restricted.
<b>X</b>		Ticketing completed easily?  Yes, fine. FedEx was used for all tickets, and sent separately to each participant, most at the same institution. The FedEx cost seems wasteful. Each group could be combined and sent to a single address at Hamilton College (for example), and tickets distributed by the PIs.
<b>X</b>		Meet and assist service met requirements?  AGUNSA outstanding.
		<b>Equipment Availability</b>
<b>X</b>		<b>Requested</b> equipment available?  Benthos camera – digital upgrade overdue.  Knudsen Echosounder – has some undefined archiving issue. Most data from cruise were lost. Only paper records for publication and study. If data were saved, post-processing could be beneficial. Direct IT support could provide better archiving (see “future cruise” section below).
	<b>X</b>	Damaged?  Datasonics Side Scan Sonar – Not available despite long-term attempts to ensure this. Lots of ship time spent on single-beam survey w/ Knudsen Echosounder. Side Scan could also provide more useful topographic information.
	<b>X</b>	Late?  Coring equipment excellent. New jumbo piston core capability wonderful. Kasten core with new cutter heads excellent. Couldn't be happier with these systems.
<b>X</b>		<b>ECW gear in good condition?</b>  Issue gear should include higher quality hard hats. The hard hats available are cheap and don't stay on well.  Issue gear should include the float coats and mustang suits. This way, after each cruise the coats and suits could be cleaned and repaired. Coats and suits were dirty and some sizes were in short supply.  No complaints on the issue gear.

<b>Event#: G-096-L</b>		
<b>Date: 3/12/05</b>		

Yes	No	Lab Space	
X		Adequate? (electrical needs, bench space, water, etc.)	<p>Lab sinks need sediment traps for coring cruises. Mud is a problem when sinks can't be used to clean coring and sampling equipment.</p> <p>A cleanup station of some kind could be provided just for mud processing with a direct overboard drain.</p> <p>20' core table installed in Wet Lab was perfect.</p>
X		Remote Sensing support needs met? (QFax, Terascan, etc.)	<p>Excellent. Johan Booth at Palmer Station provided outstanding ice imagery from the Tera-Modis. Cruise objectives could not have been achieved without ice imagery for planning and routing the ship.</p> <p>RADARSAT images would have been very important if cloud cover had precluded the Tera imagery from Palmer Station. Could RADARSAT image resolution be improved?</p>

		Quality of Hotel Services	
X		Cabins clean and neat?	Fine. Bad sewer odors in many cabins! Traps need to be upgraded or repaired to effectively block sewer gas from entering the living spaces.
	X	Linens clean and in good condition?	<p>Linens need improvement. Replacement linens of higher quality should be provided at regular intervals.</p> <p>Linens are worn out.</p>
X		Food quality and variety was good?	Yes, best ever on the LMG.

<b>Event#: G-096-L</b>  <b>Date: 3/12/05</b>		
	<b>Personnel Review</b>  ECO   RSPC	Fine.  Excellent. Happy to see so many familiar faces and have so many capable hands on deck. The group was open to suggestions and very helpful.  Couldn't be happier with Raytheon support.  ETs are over tasked without dedicated IT personnel. Data processing, data disk production post-cruise, and network maintenance too much for ETs with 24/7 science on board. The time synchs between data acquisition PCs was not calibrated throughout the cruise, so there is a time offset between data sets.  Joel (Lenorovitz) very capable ET, but needs to be more assertive and communicative with science party. When Knudsen Echosounder PC went down, Joel immediately began troubleshooting and repair, but did not inform science party the unit was down.
	<b>Safe Practices</b>  Please give us your feedback about safety onboard this USAP vessel. Please give as much detail as possible.	A tough cruise, back deck was crowded with dangerous deck equipment. No injuries or equipment failures on the cruise. Couldn't be happier with deck equipment.  Excellent all around.  Good quality hard hats should be issued with ECW gear (see ECW section).

<b>Event#: G-096-L</b>			
<b>Date: 3/12/05</b>			
<b>Yes</b>	<b>No</b>	<b>Research Objectives</b>	
<b>X</b>		All accomplished? If not, please explain (weather, ice, equipment, personnel).	<p>The group is a little behind the three year funded objectives due to bad weather last year, but 2005 field work went as planned.</p> <p>All sediment traps were deployed exactly where planned.</p> <p>Even with the platform's limitations, objectives for the 2005 field season were 100% realized.</p>
		<b>Future Cruises</b>	
<b>X</b>		If returning for another cruise, are there any additional equipment or support needs your group anticipates?	<p>Dedicated IT presence to maintain on-board data processing stream and network.</p> <p>Functional Side-scan sonar system.</p> <p>Digital upgrade to bottom camera.</p> <p>Potential for ROV operations in 2006 to be explored by NSF. The unit must be complete, self-contained.</p> <p>Better quality and more CCTV monitors in labs, aft winch control room, chief scientist's dayroom.</p>
<b>X</b>		Anything you would like to see changed?	<p>Lab chairs and stools are shot and should be replaced.</p> <p>Better sanitation in lab spaces. Once weekly floor care insufficient to keep labs clean. Living space corridors are done twice daily.</p>

<b>Event#:</b> G-096-L			
<b>Date:</b> 3/12/05			
<b>Yes</b>	<b>No</b>	<b>Other Issues?</b> Diving, Zodiac, E-mail support, interactions with stations, etc.	Very happy and overjoyed at the successes of the cruise!  Can't say enough good things about the cruise.

**Event#:** G-096-L

**Date:** 3/12/05

**Additional Comments/Overflow:**