

***PRE-CRUISE PLANNING & CHECKLIST******General Info***

<b>Meeting date</b>	2009-12-08, Tue
<b>Ship</b>	R/V Roger Revelle
<b>Cruise Name</b>	RV1003
<b>Cruise Start Date</b>	2010-02-22, Mon
<b>Cruise End Date</b>	2010-03-18, Thu
<b>Load Start Date</b>	2010-02-22, Mon
<b>Load End Date</b>	2010-02-22, Mon
<b>Off-load Start Date</b>	2010-03-18, Thu
<b>Off-load End Date</b>	2010-03-18, Thu
<b>Chief Scientist</b>	Eli A. Silver
<b>Start Port</b>	Wellington, New Zealand
<b>Intermediate Ports</b>	Madang, Papua New Guinea (3/10)
<b>End Port</b>	Kaohsiung, Taiwan
<b># of Scientific Participants</b>	5 Gaherty, ~5 Silver

***Equipment Requirements***

<b>Equipment Requirements</b>	Dredges
<b>24 HOUR OPERATIONS ?</b>	Yes
<b>Trawl Winch (9/16" M. 0.680EM)</b>	Yes
<b>CTD Winch (0.322EM)</b>	No
<b>CTD Equipment</b>	No
<b>Hydro Winch (0.25' M)</b>	Yes, acoustic test
<b>Portable Winches</b>	No
<b>Navigation</b>	Standard
<b>Dynamic Positioning</b>	Standard
<b>Multibeam Sonar</b>	Standard
<b>ADCP</b>	Standard
<b>Doppler Sonar</b>	Standard
<b>PDR (3.5kHz, 12kHz)</b>	Standard, hardcopy not required
<b>Magnetometer</b>	Yes, if possible
<b>Gravity</b>	Standard
<b>IMET</b>	Yes
<b>XBT</b>	Standard
<b>Seismics (Air/Water Guns, Hydrophone Streamers, etc.)</b>	No
<b>Air Compressor Vans</b>	No
<b>Coring (Gravity, Piston, Multi, etc.)</b>	No
<b>Explosives</b>	No
<b>Containers/Vans</b>	No
<b>Electrical, Special Requirements</b>	No
<b>Foreign Shipments</b>	Yes, samples from Taiwan
<b>Isotopes</b>	No
<b>Hazmat (chemicals, lithium batteries.) Battery Specialties ??</b>	Lithium batteries for Gaherty OBS. Spent batteries may be shipped back from Taiwan.
<b>Hazmat response issues</b>	Lithium batteries
<b>Laser</b>	
<b>Freezers/Reefers</b>	
<b>SIO Technicians</b>	1 Sr. Restech, 1 jr. Restech, 1 Comp tech
<b>Data Processing</b>	
<b>Communications</b>	HiSeasnet onboard. Limited. Terminals available.
<b>Clearances</b>	PNG, no other clearances
<b>Internet Requirements</b>	Standard

***Additional Notes***

Silver:

Long Island, sample the flow. 4 dredge. Multibeam survey 2ndary.

1, or 2 Restechs, one will have dredging experience

1km - 1800m Dredging depth

Most samples stays with ship to Taiwan.

Recommended for containers to come with the ship for samples. 3 days to unload in Taiwan.

Alternating between dredging and some surveying. Personnel required for both.

Gaherty:

Two days of work

1-2 hour Transit to each station

3 Grad students, 2 additional personnel

Gaherty first, Silver 2nd (3/2-3/10)

8 OBS will require batteries to be swapped out. Logistics done by Science party

Nav display in hydro lab.

Harddrives required from science party. Data to exceed 30-40 gigs.

Computer tech requires advanced notice to turn off any standard data acquisition

In Taiwan, only require small crane loads for unloading.

Visas required for Papua New Guinea

