

SOMTS pre-cruise meeting notes

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

Meeting date	Jan 7, 2010		
Ship	R/V Revelle		
Cruise Name	RR1004, TYPHOON (ITOP, 2010)		
Cruise Start Date	Mar 21, 2010		
Cruise End Date	Apr 1, 2010		
Load Start Date	Mar 19, 2010		
Load End Date	Mar 20, 2010		
Off-load Start Date	Apr 1, 2010		
Off-load End Date	Apr 2, 2010		
Chief Scientist	Lien		
Start Port	Kao-hsiung		
Intermediate Ports			
End Port	Kao-hsiung		
# of Scientific Participants	~22 + SIO Techs (2 MTs and 1 CT)		

Equipment Requirements

24 HOUR OPERATIONS ?	YES, during the mooring operation		
Trawl Winch (9/16”M, 0.680EM)	6000 lb (surface buoy) and 3000 lb (subsurface mooring) anchors		
CTD Winch (0.322EM)	CTD before and after each mooring station		
CTD Equipment	CTD and water sampling, 24 bottles		
Hydro Winch (0.25’M)	Available		
Portable Winches	TSE		
Navigation	GP90 D		
Dynamic Positioning	YES		
Multibeam Sonar	EM 122 detail survey before mooring deployment		
ADCP	RDI 150kHz		
Doppler Sonar	HDSS 50 kHz and 140 kHz		
PDR (3.5kHz, 12kHz)	Available		
Magnetometer	No		
Gravity	Normal		
IMET	Sea Surface		

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XBT	Normal		
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No		
Air Compressor Vans	No		
Coring (Gravity, Piston, Multi, etc.)	No		
Explosives	No		
Containers/Vans	Yes - Isotope van		
Electrical, Special Requirements	No		
Foreign Shipments	Load at Kaohsiung, Taiwan		
Isotopes	Yes		
Hazmat (chemicals, lithium batteries.) Battery Specialties ??	Li Batteries		
Hazmat response issues	MSDS		
Laser	No		
Freezers/Reefers	Available		
SIO Technicians	CT, 2 MTs		
Data Processing	Nothing special		
Communications	Normal		
Clearances	Philippines		
Internet Requirements	Normal		
<i>Additional Notes</i>			
1. Taiwanese collaborators water bottle sampling and isotope.			
2. On this cruise, we will recover two ATLAS surface moorings, deploy three ATLAS surface moorings, and deploy			
3. The two ATLAS surface moorings have lost GPS communication since the pass of typhoon Lupit. We assume			
4. Worcester and Lien will deploy several subsurface moorings in the same area on separate cruises. Moorings			
5. Contact Tim Schnoor about ONR funding for 2nd Research Tech			