

Title:	Chief Scientist:	Ship:	Date of Meeting:
Pre-Cruise Meeting; Planning & Checklist	Cruise Name:	Prepared By:	Page:
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General Info

Ship	MELVILLE
Cruise	CLIVAR – P6
Dates	25 SEP – 6 NOV 2009, LEG I, Brisbane to Papeete 9 NOV – 23 DEC 2009, LEG II, Papeete to Valparaiso
Chief Scientist	LEG I - Alison MacDonald LEG II JIM SWIFT
Start Port	Brisbane, Australia
Intermediate Ports	Papeete, Tahiti
End Port	Valparaiso, Chile
# of Scientific Participants	Full

Equipment Requirements

24 HOUR OPERATIONS ?	Yes - Science Party to handle deck while RT rests. Measures' group to handle TM work with ship provided winch operator.
Trawl Winch (9/16”M, 0.680EM)	No planned use
CTD Winch (0.322EM)	DESH 6 Stbd A-Frame Primary DESH 5 Hydro boom Secondary
CTD Equipment	STS
Hydro Winch (0.25’M)	No planned use (as of 6/24/09)
Portable Winches	Trace Metal (Measures) operating from stern A-frame SeaMac aboard as a spare
Navigation	GP90D
Dynamic Positioning	Station work
Multibeam Sonar	Routine
ADCP	Yes 150kHz Ocean Surveyor & 75kHz Ocean Surveyor
Doppler Sonar	N/A
PDR (3.5kHz, 12kHz)	Yes 12 KHz On station after multibeam secured
Magnetometer	No
Gravity	Routine
IMET	YES Any Additions ? J. Swift will get data
XBT	Routine
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	NO
Air Compressor Vans	NO
Coring (Gravity, Piston, Multi, etc.)	NO
Explosives	NO
Containers/Vans	1 – Lab van (Xenotec #8, supplied by SIO for use by Helium team) 1 – Miami CO2 Lab Van (shipped from Miami) 1 – Helium storage van (shipped from WHOI) 1 – ODF storage van (coming from Revelle) 02-deck forward 1 – TM van (Measures, coming from Revelle), main deck, port quarter
Electrical, Special Requirements	Vans & winches
Foreign Shipments	To Australia, Tahiti; from Tahiti, Chile
Isotopes	Yes
Hazmat (chemicals, lithium batteries, etc.)	Yes (HazMat locker on 02-deck forward) Chemicals and gas cylinders A. MacDonald to assemble comprehensive hazmat list (send list and MSDS to SIO marine techs) Lithium batteries in ARGO floats (batts in equipment, stowed on deck)

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Hazmat response issues	
Fume Hood	
Laser	
Freezers/Reefers	3 large chest freezers, 1X-80 freezer, 1 standard reefer
SIO Technicians	Leg I: CT/RT/7-ODF + 1 NOAA Tech Leg II: CT/RT/8-ODF
Data Processing	Sci website using ship's intranet
Communications	HiSeas
Foreign Clearances	Australia, French Polynesia, Chile, New Zealand

Additional Notes

1. Measures TM van and winch to load in Brisbane and off-load in Papeete
2. Need manifests of equipment to be transferred from Reville to Melville in order to determine if best to transfer equipment in Keelung or transport and store from Darwin to Brisbane
3. STS plan to have 3 operational slip-ring sets on board
- 4.