

PRE-CRUISE PLANNING & CHECKLIST

General Info

Date of Pre-Cruise Meeting: 2009-11-23

Ship	R/V Roger Revelle
Cruise	RR1001
Dates	2010-01-13 -> 2010-01-22
Loading Date(s)	2010-01-12
Off-loading Date(s)	2010-01-23
Chief Scientist	David R. Corbett (JP Walsh is the PI)
Start Port	Tauranga, New Zealand
Intermediate Ports	N/A
End Port	Wellington, New Zealand
# of Scientific Participants	17-22 Science Party; 3 SIO technicians

Equipment Requirements

24 HOUR OPERATIONS ?	Yes, stations "not too far apart"
Trawl Winch (9/16"M, 0.680EM)	Used for multi/box core
CTD Winch (0.322EM)	Yes, for CTD
CTD Equipment	10L 24 place
Hydro Winch (0.25'M)	Tripods?
Portable Winches	No
Navigation	Yes
Dynamic Positioning	Yes
Multibeam Sonar	Standard
ADCP	Standard
Doppler Sonar	Standard
PDR (3.5kHz, 12kHz)	Digital only, will experiment with 12kHz vs Multibeam
Magnetometer	NO
Gravity	Standard
IMET	Standard, may interface an instrument with water in Hydro Lab
XBT	As needed
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	NO
Air Compressor Vans	NO
Coring (Gravity, Piston, Multi, etc.)	Multicore (primary, 8 tubes, 8 backups), Spade box core (backup)
Explosives	NO
Containers/Vans	NO
Electrical, Special Requirements	NO
Foreign Shipments	Science Party has shipped; shipping to NIWA post-cruise.
Isotopes	NO
Hazmat (chemicals, lithium batteries.) Battery Specialties ??	x-ray machine (small), 1L formaline, Lithium?
Hazmat response issues	
Laser	NO
Freezers/Reefers	Need cold freezer (-80), walk-in fridge
SIO Technicians	1 restech, 2 CT
Data Processing	None
Communications	Standard
Clearances	NZ (awaiting extension beyond 1/15)
Internet Requirements	Standard

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Additional Notes

- 20 sites to collect large multi-cores, CTD water collections at same sites
- deploy 3 tripods
- desire ship access ~Jan 10 to construct tripods; need crane support
- Science Party will not move aboard until ship time officially begins (afternoon of 1/11)..
- deploy 3 tripods to start, 40-80m (may retrieve one tripod to confirm functionality, time permitting).
- remainder of the cruise collecting cores, water samples (20 sites).
- may bring 6 NZ students
- may need to keep core tubes in tact for ~12 hours on occasion