

## PRE-CRUISE PLANNING & CHECKLIST

### General Info

Ship	ROGER REVELLE
Cruise	
Dates	17 Dec 06 – 27 Jan 07
Loading Date(s)	OSU 21 -22 Nov Rest 27 – 30 Nov
Off-loading Date(s)	27 – 31 Jan 07
Chief Scientist	STEVE D'HONDT
Start Port	APIA
Intermediate Ports	
End Port	DUNEDIN, NZ
# of Scientific Participants	37 Includes techs

### Equipment Requirements

<b>24 HOUR OPERATIONS ?</b>	2 <sup>nd</sup> RT desired Plan is for 2 shifts -Woody
Trawl Winch (9/16”M, 0.680EM)	Piston Coring 10 sites 2 days each site - Multi core Crutch Fwd
CTD Winch (0.322EM)	See note
CTD Equipment	
Hydro Winch (0.25’M)	Gravity Cores
Portable Winches	
Navigation	Furuno GP 90 D
Dynamic Positioning	YES
Multibeam Sonar	YesNormal/ Calcomp
ADCP	Normal
Doppler Sonar	Normal
PDR (3.5kHz, 12kHz)	3.5 & 12 KHz Digital data
Magnetometer	SeaSpy Backup??
Gravity	N/A
IMET	Normal DO or Fluorometer??
XBT	Normal
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	2 GI Guns, Single channel
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	OSU, SIO Multi corer back up
Explosives	None
Containers/Vans	German van, OSU Reefer Aft, MST notch, Flat rack, core shack, URI Lab Van, Isotope (NSF) port 01
Electrical, Special Requirements	German power requirements Ch Sci
Foreign Shipments	From Dunedin Wood regulations
Isotopes	Tritium, radiocarbon, S35 Cesium source
Hazmat (chemicals, lithium batteries, etc.)	Lithium batteries, R/T's to send Form
Hazmat response issues	Lists, MSDS's, Removal plan
Laser	No
Freezers/Reefers	Cold room @ -4Desire ~30 cuft – 80deg
SIO Technicians	RT/CT, 2 Seismic, 2 <sup>nd</sup> RT? 2 OSU , 2MMO
Data Processing	SCI to process Multibeam, Discuss seismic with lee Ellet
Communications	Normal
Clearances	None

### Additional Notes

1. 3 – 4 people to ride transit ATMOS sampling. Info to be provided

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2. Work out where multi corer will be placed on deck. SIO
3. Water Sampling Shallow CTD, German Benthic Lander How much water do they do they need. Kristin will send e-mail telling what she needs to know
4. ARGO floats
5. Aerosol Sampling Info on installation to be provided by science
6. Thermal profiles on core pipe
7. How many MMO's - Woody
8. Samples to be shipped from NZ
9. IHA in process.
10. Storage for 6 gas cylinders