

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	REVELLE
Cruise	
Dates	4 DEC – 2 JAN
Loading Date(s)	1 – 4 DEC
Off-loading Date(s)	2 – 4 JAN
Chief Scientist	BARNEY BALCH
Start Port	MONTEVEDO
Intermediate Ports	
End Port	PUNTA ARENAS
# of Scientific Participants	26 + 4 SIO Techs(MT, CT, CTD, Chemist)

Equipment Requirements

24 HOUR OPERATIONS ?	14 hours wire time – Setup??
Trawl Winch (9/16”M, 0.680EM)	
CTD Winch (0.322EM)	CTD – 105 Stations (Incl other PI's) Add'l info req'd Cart sys
CTD Equipment	Balch req rcv'd 12 X 30 I, DO,FLOUR, PAR, Transmisometer
Hydro Winch (0.25'M)	SAPS Pumps?? Set up as 2 nd CTD if pumps on trawl
Portable Winches	SeaMac Type can be available NO KEVLAR cable available, Block provided by Sci. Sci do termination.
Navigation	GP 90 D - NMEA data – Jeff L. to work issue
Dynamic Positioning	Available
Multibeam Sonar	Normal u/w
ADCP	Yes 150 KHz
Doppler Sonar	Available Some interference with 150 BB
PDR (3.5kHz, 12kHz)	Available
Magnetometer	No
Gravity	NORMAL
IMET (Underway data system)	Woody to provide list of UDS capability
XBT	Normal
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	No
Explosives	No
Containers/Vans	Isotope van, Waste van? 100L liquid waste/20 lb, vials
Electrical, Special Requirements	
Foreign Shipments	Montevideo, PA
Isotopes	C -14, DS has the plan. Van aboard in Miami, Sci talk with agent regarding delivery of stock. Sci bring GM survey meter
Hazmat (chemicals, lithium batteries, etc.)	Restechs provide form. Form with all PI's requirements back to SIO 1 mo prior to cruise. Hazmat removal plan Sci responsibility.
Hazmat response issues	Sci provide spill kits
Laser	Flow Cyclometer ?
Freezers/Reefers	-80 deg C Adequate space
SIO Technicians	MT, CT, CTD, CHEMIST ?
Data Processing	Normal
Communications	HighSeas Net
Clearances	UK, Argentina
INTERNET RQMTS	Sci provide info on any critical Internet requirements (Glider)

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Satellite images. Jeff L. will determine
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Additional Notes

1. What is number of samples per day for all PI's. Barney to confirm number and type.
2. Freefall radiometer - details – hand deploy/hand recovery. Computer in system in lab
3. flowcam Details? Discrete samples
4. Slocum Glider deployments? TBD Workboat required 1 launch, 1 recovery
5. UC SW requirements – supply adequate for 2 systems
6. Balch 20 certified gas – what is total # bottles for all PI's total 25. All bottles off in PA.
7. Incubators, how many? – 3 Fantail on pallets.
8. Automated pCO₂ system – details., requirements
9. LADCP Requirements – science provide
10. Liquid N₂ and dry ice to be arranged by science party
11. Analysis will require 75% of Hydro Lab
12. Sci party will run CTD computer
13. Pallet certification - Science aware of requirements. Plastic recommended
14. Milli - Q water Supply is adequate
15. Load date in Miami. MARFAC work and coordinate with Barney
16. Slocum gliders – launch and recovery
17. SAPS Pumps Trawl Wire? Clamps