

## PRE-CRUISE PLANNING & CHECKLIST

### General Info

Ship	ROGER REVELLE
Cruise	Clivar I6S KNOX 14
Dates	4 FEB – 17 Mar
Loading Date(s)	1 – 4 FEB
Off-loading Date(s)	17 – 19 March
Chief Scientist	Kevin Speer
Start Port	Durban
Intermediate Ports	
End Port	Durban
# of Scientific Participants	Full Science party - includes SIO CT- RT - 8 ODF

### Equipment Requirements

<b>24 HOUR OPERATIONS ?</b>	Normal CLIVAR Procedures
Trawl Winch (9/16”M, 0.680EM)	
CTD Winch (0.322EM)	Yes CTD Plus Backup ODF has request.
CTD Equipment	Normal CLIVAR
Hydro Winch (0.25’M)	Set up as CTD
Portable Winches	Measures
Navigation	GP 90 D
Dynamic Positioning	Available
Multibeam Sonar	Normal
ADCP	Possibly
Doppler Sonar	Yes - Sci will talk to Jules at UH
PDR (3.5kHz, 12kHz)	Normal
Magnetometer	Try to use on long transits
Gravity	Available
IMET	YES No additions Carl to send list of what is collected to Kevin
XBT	Normal
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	NO
Air Compressor Vans	NO
Coring (Gravity, Piston, Multi, etc.)	NO
Explosives	NO
Containers/Vans	1 SIO 20 ft Port 01, Goddard Lab, Measures, AMOL All on Main deck
Electrical, Special Requirements	none
Foreign Shipments	Yes to Durban
Isotopes	SWAB prior to cruise In Durban
Hazmat (chemicals, lithium batteries, etc.)	List to be provided, Gas chromatograph
Hazmat response issues	Antarctic treaty area Ch Sci will inform groups
Laser	No
Freezers/Reefers	Sufficient capacity aboard - -80 deg to be cleaned before cruise
SIO Technicians	RT/CT 8 ODF
Data Processing	Normal
Communications	Normal Which Satellite?? Ice Images – like last time
Clearances	South Africa - in process
Outreach	Possible IPY

### Additional Notes

- Argo Floats 17 U/W CSIRO

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2. ODF van in Durban
3. New cable on 2 nd CTD winch
4. Gas Bottles – CFC/Carbon Group How Many? What type?
5. Airborne Vapors – Captain