

SOMTS pre-cruise meeting notes

**PRE-CRUISE PLANNING & CHECKLIST**

**General Info**

|                                     |  |
|-------------------------------------|--|
| <b>Meeting date</b>                 | 2009-12-02, Wed                        |
| <b>Ship</b>                         | R/V Melville                           |
| <b>Cruise Name</b>                  | MV1003                                 |
| <b>Cruise Start Date</b>            | 2010-02-24, Wed                        |
| <b>Cruise End Date</b>              | 2010-03-17, Wed                        |
| <b>Load Start Date</b>              | 2010-02-16, Tue                        |
| <b>Load End Date</b>                | 2010-02-23, Tue                        |
| <b>Off-load Start Date</b>          | 2010-03-18, Thu                        |
| <b>Off-load End Date</b>            | 2010-03-18, Thu                        |
| <b>Chief Scientist</b>              | Dr. Andrew Thurber                     |
| <b>Start Port</b>                   | Puerto Montt, Chile                    |
| <b>Intermediate Ports</b>           | Bahia De Valparasio, Chile, March 12th |
| <b>End Port</b>                     | Bahia De Valparaiso, Chile             |
| <b># of Scientific Participants</b> | 38                                     |

**Equipment Requirements**

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|--|--|
| <b>24 HOUR OPERATIONS ?</b>                                  | 2 ResTechs                                     |
| <b>Trawl Winch (9/16”M, 0.680EM)</b>                         | 1 spool 9/16, 1 spool .680EM                   |
| <b>CTD Winch (0.322EM)</b>                                   | yes  |
| <b>CTD Equipment</b>   | 24 place 10 liter, trans, fluor, O2, altimeter |
| <b>Hydro Winch (0.25’M)</b>                                  | plankton net                                   |
| <b>Portable Winches</b>                                      | 1 air tugger                                   |
| <b>Navigation</b>  | GP90   |
| <b>Dynamic Positioning</b>                                   | standard                                       |
| <b>Multibeam Sonar</b>                                       | yes, some areas shallower than 500m            |
| <b>ADCP</b>  | standard unless interfering                    |
| <b>Doppler Sonar</b>   | n/a  |
| <b>PDR (3.5kHz, 12kHz)</b>                                   | yes, some hard copy                            |
| <b>Magnetometer</b>  | no   |
| <b>Gravity</b>   | standard                                       |
| <b>IMET</b>  | Standard, GPS and gyro feeds to ABE system     |
| <b>XBT</b>   | standard 1/day                                 |
| <b>Seismics (Air/Water Guns, Hydrophone Streamers, etc.)</b> | no   |
| <b>Air Compressor Vans</b>                                   | no   |

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| <b>Coring (Gravity, Piston, Multi, etc.)</b>                         | multicore  |
| <b>Containers/Vans</b>   | SIO isotope van and ABE van                          |
| <b>Electrical, Special Requirements</b>                              | 120 VAC to abe van, Std. 120 VAC to camera.          |
| <b>Foreign Shipments</b>   | Everything To and From Valpo                         |
| <b>Isotopes</b>  | c14 and tritium                                      |
| <b>Gas Cylinders</b>   | Number ?   |
| <b>Hazmat (chemicals, lithium batteries.) Battery Specialties ??</b> | Lithium batteries, solvents, preservatives.          |
| <b>Hazmat response issues</b>  | shipment of Hazmats at end of cruise                 |
| <b>Laser</b>   | no   |
| <b>Freezers/Reefers</b>  | yes, all to be used, possibly need more reefer space |
| <b>SIO Technicians</b>   | 1 CR, 2 ResTech                                      |
| <b>Data Processing</b>   | standard   |
| <b>Communications</b>  | standard   |
| <b>Clearances</b>  | Chile  |
| <b>Internet Requirements</b>   | Outreach – video, blogs, photos                      |

***Additional Notes***

shore crane needed in Valpo for ABE van  
 science load out in Valpo  
 Work to be done on adding camera to multicore  
 Need to determine .680 terminations for multicore and bottom trawl  
 science party responsible for .680 terminations  
 Milli-Q water system needed  
 Uncontaminated sea water needed on deck and in lab  
 SIO plankton net requested  
 3 Vegetarian.  
 HOLD on data