

SOMTS pre-cruise meeting notes

**PRE-CRUISE PLANNING & CHECKLIST**

***General Info***

<b>Meeting date</b>	2010-01-11, Mon
<b>Ship</b>	Melville
<b>Cruise Name</b>	MV1007
<b>Cruise Start Date</b>	2010-06-22, Tue
<b>Cruise End Date</b>	2010-07-26, Mon
<b>Load Start Date</b>	2010-06-20, Sun
<b>Load End Date</b>	2010-06-22, Tue
<b>Off-load Start Date</b>	2010-07-26, Mon
<b>Off-load End Date</b>	2010-07-27, Tue
<b>Chief Scientist</b>	Landry
<b>Start Port</b>	Puerto Caldera, Costa Rica
<b>Intermediate Ports</b>	
<b>End Port</b>	Puerto Caldera, Costa Rica
<b># of Scientific Participants</b>	~28-30 + SIO Techs (2 mt, 1 ct)

***Equipment Requirements***

<b>Equipment Requirements</b>	
<b>24 HOUR OPERATIONS ?</b>	Yes
<b>Trawl Winch (9/16”M, 0.680EM)</b>	stern a-frame for mocness
<b>CTD Winch (0.322EM)</b>	yes
<b>CTD Equipment</b>	24 bottles (10.1 liter)
<b>Hydro Winch (0.25’M)</b>	yes for small net tows, science provided net
<b>Portable Winches</b>	winch for trace metals?
<b>Navigation</b>	standard
<b>Dynamic Positioning</b>	standard
<b>Multibeam Sonar</b>	ancillary
<b>ADCP</b>	yes
<b>Doppler Sonar</b>	no
<b>PDR (3.5kHz, 12kHz)</b>	ancillary
<b>Magnetometer</b>	no
<b>Gravity</b>	ancillary
<b>IMET</b>	yes, including surface par, calcofi data logger
<b>XBT</b>	for multibeam

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<b>Seismics (Air/Water Guns, Hydrophone Streamers, etc.)</b>	no
<b>Air Compressor Vans</b>	no
<b>Coring (Gravity, Piston, Multi, etc.)</b>	no
<b>Explosives</b>	no
<b>Containers/Vans</b>	isotope van, temperature controlled van (unols?), landry shipping container, trace metal van, van for radioactive waste material?
<b>Electrical, Special Requirements</b>	no
<b>Foreign Shipments</b>	yes
<b>Isotopes</b>	yes, c14, thorium230 (ucsd waiver secured), off-load in san diego, liquid scintillation counter
<b>Hazmat (chemicals, lithium batteries.) Battery Specialties ??</b>	yes, chemicals. No lithium
<b>Hazmat response issues</b>	no
<b>Laser</b>	no
<b>Freezers/Reefers</b>	yes, need all including -85, -20, and regular
<b>SIO Technicians</b>	2 mt, 1 ct
<b>Data Processing</b>	standard
<b>Communications</b>	positions from drifters, configure fleetbb for email backup
<b>Clearances</b>	Costa Rica, Honduras, Nicaragua
<b>Internet Requirements</b>	need to access large satellite imagery

***Additional Notes***

1. contact osu for reefer van
2. 2 computers on bridge
3. biologicals transported to san diego on ship
4. provide calculations for isotope waste
5. one stateroom modified for microscope use
6. Landry to work with Fornari regarding shipment of Harpp rock samples to SAN on board
7. Warning: continuous berth during on/offload not guaranteed (Puerto Caldera port captain decides)