

SOMTS pre-cruise meeting notes

PRE-CRUISE PLANNING & CHECKLIST

General Info

Meeting date	2010-01-11, Mon
Ship	Melville
Cruise Name	MV1005
Cruise Start Date	2010-04-13, Tue
Cruise End Date	2010-05-12, Wed
Load Start Date	2010-04-11, Sun
Load End Date	2010-04-13, Tue
Off-load Start Date	2010-05-12, Wed
Off-load End Date	2010-05-14, Fri
Chief Scientist	Key
Start Port	Puerto Caldera, Costa Rica
Intermediate Ports	
End Port	Puerto Caldera, Costa Rica
# of Scientific Participants	16 + SIO Techs(1 rt, 1 ct)

Equipment Requirements

Equipment Requirements	
24 HOUR OPERATIONS ?	yes
Trawl Winch (9/16”M, 0.680EM)	680
CTD Winch (0.322EM)	no
CTD Equipment	no
Hydro Winch (0.25’M)	no
Portable Winches	yes, 7900 pounds
Navigation	yes
Dynamic Positioning	yes, standard
Multibeam Sonar	yes
ADCP	standard
Doppler Sonar	na
PDR (3.5kHz, 12kHz)	epc plotter, both 12khz transducers
Magnetometer	yes
Gravity	standard
IMET	standard
XBT	two per day for 10 days during tows, for multibeam

SOMTS pre-cruise meeting notes

Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	no
Air Compressor Vans	no
Coring (Gravity, Piston, Multi, etc.)	no
Explosives	no
Containers/Vans	no
Electrical, Special Requirements	50000 W, 480V 3-phase power for transmitter powerpack (to analytical lab if possible), hi-voltage slip-rings on winch
Foreign Shipments	3 40-foot containers (or ~6 20-foot if required)
Isotopes	no
Hazmat (chemicals, lithium batteries.) Battery Specialties ??	no
Hazmat response issues	no
Laser	no
Freezers/Reefers	no
SIO Technicians	1 MT (Keith Shadle), 1 CT
Data Processing	standard
Communications	standard
Clearances	Nicaragua, Costa Rica
Internet Requirements	standard

Additional Notes

1. magnetometer tow if time allows
2. multibeam survey if time allows
3. investigate port's maximum container size
4. beware of delays for port security
5. ship provided 680 block
6. small alaska crane modification as performed recently on Revelle
7. plate available for 680 pull test
8. Nicaragua clearance may be held up by non-delivery of prior data (Steve Holbrook)
9. Warning: continuous berth during on/offload not guaranteed (Puerto Caldera port captain decides)