

SOMTS pre-cruise meeting notes

PRE-CRUISE PLANNING & CHECKLIST

General Info

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| Meeting date | 2010-04-14, Wed |
| Ship | R/V New Horizon |
| Cruise Name | NH1008 |
| Cruise Start Date | 2010-06-17, Thu |
| Cruise End Date | 2010-07-01, Thu |
| Load Start Date | 2010-06-17, Thu |
| Load End Date | 2010-06-17, Thu |
| Off-load Start Date | 2010-07-02, Fri |
| Off-load End Date | 2010-07-02, Fri |
| Chief Scientist | Dr. Alison M. Sweeney |
| Start Port | Guaymas, Mexico |
| Intermediate Ports | Cabo to off-load 10 people (optional, includes 2 Mexican observers) |
| End Port | San Diego, CA, USA |
| # of Scientific Participants | 13 (3 to remain aboard after intermediate port) |

Equipment Requirements

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| Equipment Requirements | See notes (includes Restech Avon, possibly air cylinders) |
| 24 HOUR OPERATIONS ? | No; science party will handle off-hour ops |
| Trawl Winch (9/16”M, 0.680EM) | Yes, 0.680 |
| CTD Winch (0.322EM) | Yes |
| CTD Equipment | Yes; investigate termination for video feed; altimeter; oxygen sensor; PAR sensors; transmissometer; flurometers |
| Hydro Winch (0.25’M) | Yes |
| Portable Winches | No |
| Navigation | No |
| Dynamic Positioning | No |
| Multibeam Sonar | No |
| ADCP | No |
| Doppler Sonar | No |
| PDR (3.5kHz, 12kHz) | No |
| Magnetometer | No |
| Gravity | No |
| IMET | No |
| XBT | No |

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| 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 | Standard |
| Foreign Shipments | No; small items will be hand-carried |
| Isotopes | No |
| Hazmat (chemicals, lithium batteries.) Battery Specialties ?? | Ethanol, gluteraldehyde |
| Hazmat response issues | Science party will remove |
| Laser | No |
| Freezers/Reefers | TBD |
| SIO Technicians | 1 MT |
| Data Processing | Standard |
| Communications | Standard |
| Clearances | Mexico |
| Internet Requirements | Standard |

Additional Notes

Array deployment:

- Involves taking the 17' Restech Avon (Restech will pilot the boat) with rugged laptop to deploy a 150-lb. polished glass ball (1m in diameter) with video array to 50-100m

Blue water diving:

- Simple dives for animal collection
- Raft-based + blue water rig with snorkler to reposition fiber optic cable
- 8 air cylinders (provided by Dr. Sweeney or SIO) will be used; not more than 4-5 in use at once

Trawls:

- Use A-frame
- Will occur in the afternoon; may have late-night (7-11pm) trawls if not obtain animals earlier

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CTD:

- Use J-frame
- Will occur ~11am-4pm

Jigging for Humboldt squid:

- Sunset (~7pm)
- Acceptable with divers 1/2 mile away
- Turn off lights on J-frame side at night

Camera deployment:

- Request smaller aux wire from the J-frame for video; prefer real-time communication wire (not required)
- Requires removal of the CTD
- This will only work if the camera connection is the same as the CTD connection (will investigate)

Storage:

- Camera ball and containers not enough to fill a van; will discuss storage with Restech

Special needs:

- Wheat allergy