

PRE-CRUISE PLANNING & CHECKLIST

General Info

| | |
|------------------------------|---------------------------------|
| Ship | MELVILLE |
| Cruise | |
| Dates | 13 – 21 April 2007 |
| Loading Date(s) | 11 – 13 |
| Off-loading Date(s) | 21 – 22 April |
| Chief Scientist | Craig Lee |
| Start Port | Kaohsiung |
| Intermediate Ports | |
| End Port | Kaohsiung |
| # of Scientific Participants | 4 + few Taiwanese + 2 SIO Techs |

Equipment Requirements

| | |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|
| 24 HOUR OPERATIONS ? | No extra STS techs |
| Trawl Winch (9/16”M, 0.680EM) | NO |
| CTD Winch (0.322EM) | Yes |
| CTD Equipment | Same as Ramp |
| Hydro Winch (0.25’M) | No |
| Portable Winches | no |
| Navigation | DP 90 D |
| Dynamic Positioning | Available |
| Multibeam Sonar | yes |
| ADCP | yes |
| Doppler Sonar | N/A |
| PDR (3.5kHz, 12kHz) | No |
| Magnetometer | yes |
| Gravity | routine |
| IMET | routine |
| XBT | routine |
| 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 | no |
| Foreign Shipments | Kaohsiung |
| Isotopes | NO |
| Hazmat (chemicals, lithium batteries, etc.) | Lithium Batteries - in equipment Batteries separate – need to address shipping |
| Hazmat response issues | Battery Lithex, lithium battery disposal in Taiwan TBD |
| Laser | No |
| Freezers/Reefers | NO |
| SIO Technicians | RT, CT |
| Data Processing | Routine , training material in advance |
| Communications | Normal – Iridium provided by science |
| Clearances | Taiwan, Philippines |
| | |

Additional Notes

1. Glider Launches
2. CTD

PRE-CRUISE PLANNING & CHECKLIST

3. 8-day survey for Taiwan – multibeam, mag, grav (info to come)
4. processing tutorial documents to be sent ahead of cruise
5. small boat ops for recovery of gliders (50 kg), position Work Boat for use
6. issue of Taiwan duty payment for lost equipment – Master to document loss
7. 2 Gliders to be left onboard for transit