

## PRE-CRUISE PLANNING & CHECKLIST

### General Info

Ship	MELVILLE
Cruise	QPE 1
Dates	3 – 9 AUG
Loading Date(s)	1 – 3 AUG
Off-loading Date(s)	9 – 10 AUG
Chief Scientist	R-C LIEN
Start Port	CHI-LUNG
Intermediate Ports	
End Port	CHI-LUNG
# of Scientific Participants	6 + 2 SIO Techs 2 <sup>nd</sup> MT? Taiwan scientists

### Equipment Requirements

<b>24 HOUR OPERATIONS ?</b>	CTD ops after mooring deployed STS working 2 <sup>nd</sup> restruct
Trawl Winch (9/16”M, 0.680EM)	Mooring deployments
CTD Winch (0.322EM)	CTD
CTD Equipment	CTD Only possible addition of nutrient work, Science to provide info
Hydro Winch (0.25’M)	Release Testing
Portable Winches	TSE Bill ONR
Navigation	GP90 D
Dynamic Positioning	AVAILABLE
Multibeam Sonar	Em 120 Shallow water issues
ADCP	75 KHz and 150 KHz OS UH OSDOS
Doppler Sonar	Na
PDR (3.5kHz, 12kHz)	Available 3.5 KHz SEGY
Magnetometer	NO
Gravity	Running
IMET	Sea Surface conditions
XBT	CTD casts
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	No
Explosives	No
Containers/Vans	None
Electrical, Special Requirements	None
Foreign Shipments	Taiwan
Isotopes	Not expected Science to check
Hazmat (chemicals, lithium batteries.) Battery Specialties ??	Li batteries in equipment
Hazmat response issues	LITHEX
Laser	NONE
Freezers/Reefers	Not expected
SIO Technicians	MT/CT 2 <sup>nd</sup> MT??
Data Processing	Standard
Communications	Normal
Clearances	Taiwan, Japan Requested No data collection within 24 nm of coast
INTERNET Rqmts	Sci provide ports necessary

### Additional Notes

1. WIRELESS ISSUES.

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2. 2 X 900 and 4 X 680 METER MOORINGS, Science to provide mooring drawings
3. Chief Sci to provide CTD plan
4. Tip Plate
5. Release Commander – Sci Provide EGG 11 – can it interface with 12 KHz Xducers Lee check
6. Chief Sci to verify no Lasers or sealed sources in any Taiwan equipt
7. Ship Sked – directed chief Sci's to Lee clearance for restrictions. Will forward DoS clarification.
8. Wire spools and buoy supports will remain aboard until recovery cruise in September.