

## PRE-CRUISE PLANNING & CHECKLIST

### General Info

Ship	MELVILLE
Cruise	QPE 2
Dates	13 – 21 AUG
Loading Date(s)	11 – 13 AUG
Off-loading Date(s)	21 AUG
Chief Scientist	LUCA CENTURIONI
Start Port	CHI-LUNG
Intermediate Ports	
End Port	CHI-LUNG
# of Scientific Participants	2 + 2 SIO TECHS NTOU INVOLVEMENT

### Equipment Requirements

<b>24 HOUR OPERATIONS ?</b>	
Trawl Winch (9/16”M, 0.680EM)	
CTD Winch (0.322EM)	CTD TO MAP KURSHURIO
CTD Equipment	CTD ONLY , POSSIBLE NUTRIENTS FOR NTOU – SCI TO DETERMINE.
Hydro Winch (0.25’M)	Available
Portable Winches	NO
Navigation	GP90 D
Dynamic Positioning	AVAILABLE
Multibeam Sonar	Surveys Available but shallow water problem
ADCP	75 KHz and 150 KHz search for
Doppler Sonar	NA
PDR (3.5kHz, 12kHz)	Surveys w/ 12 KHz
Magnetometer	NO
Gravity	Running
IMET	Sea Surface, thermosalinograph
XBT	STS PROVIDE 2 PER DAY
Air Compressor Vans	NO
Coring (Gravity, Piston, Multi, etc.)	NO
Explosives	NO
Containers/Vans	NONE
Electrical, Special Requirements	NONE
Foreign Shipments	TAIWAN
Isotopes	NO
Hazmat (chemicals, lithium batteries.) Battery Specialties ??	Li batteries
Hazmat response issues	MSDS
Laser	NO
Freezers/Reefers	Perhaps NTOU
SIO Technicians	CT/MT 2 <sup>ND</sup> MT - WOODY
Data Processing	NORMAL
Communications	Normal, Iridium network
Clearances	TAIWAN, JAPAN
INTERNET Rqmts	Drifter locations

### Additional Notes

1. WIRELESS ISSUES

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2. RESTRAINED DRIFTERS 150 METER WATER DEPTH 650 LB LAUNCH BOX  
Launch from crane? 5 launches. Survey bottom
3. 48 drifters Hand launched
4. Taiwan fishing boat watching drifters