

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	MELVILLE
Cruise	LEE 2
Dates	2 – 24 May
Loading Date(s)	29 April – 2 May
Off-loading Date(s)	24 – 25 May
Chief Scientist	Craig Lee
Start Port	Yokohama
Intermediate Ports	
End Port	Yokohama
# of Scientific Participants	8 – 9 + SIO Techs

Equipment Requirements

24 HOUR OPERATIONS ?	No extra STS techs
Trawl Winch (9/16”M, 0.680EM)	No
CTD Winch (0.322EM)	Backup
CTD Equipment	Use onboard CTD
Hydro Winch (0.25’M)	No
Portable Winches	Triaxis winch
Navigation	DP 90 D
Dynamic Positioning	Available
Multibeam Sonar	Routine
ADCP	Yes – 150 kHz NB, 75 kHz Ocean Surveyor 75 KHz
Doppler Sonar	n/a
PDR (3.5kHz, 12kHz)	No
Magnetometer	No
Gravity	Routine
IMET	YES - w/ current calibrations, nmea outputs
XBT	Routine
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	No
Explosives	No
Containers/Vans	One 20’ container
Electrical, Special Requirements	Power for Triaxis winch
Foreign Shipments	Yokohama
Isotopes	No
Hazmat (chemicals, lithium batteries, etc.)	Lithium batteries, outside instruments
Hazmat response issues	Need Lithium MSDS and Lithix requirements
Laser	No
Freezers/Reefers	No
SIO Technicians	CT/RT
Data Processing	No
Communications	Routine, Iridium phone provided by science
Clearances	Japan – require notifications

Additional Notes

1. Float deployment, tracking and recovery
2. Instrument pipe-string (Sticker-Downer) for Trackpoint transducer

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3. remind NAVY of operations
4. shipment coming in two 20' containers, one to be loaded on ship
5. 12k lb winch – shore crane ?, large forklift