

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	MELVILLE
Cruise	SUBMARINE RING OF FIRE 06
Dates	TBD
Loading Date(s)	SOME IN SAN DIEGO BEFORE SAILING?; OTHERWISE IN GUAM Agreed room avail for 6 pallet boxes. 27 Feb for loading
Off-loading Date(s)	TBD
Chief Scientist	BOB EMBLEY
Start Port	GUAM
Intermediate Ports	
End Port	NAHA OR YOKOHAMA
# of Scientific Participants	30 - Incl 2 SIO TECHS ?? : 30 - 32 INCL 2 SIO TECHS

Equipment Requirements

24 HOUR OPERATIONS ?	YES Schedule to be developed on scene
Trawl Winch (9/16"M, 0.680EM)	no
CTD Winch (0.322EM)	YES tow yos, and full depth casts
CTD Equipment	What equipment?? CTD/ROSETTE/ELECTRONICS (FULL SYSTEM). "Niskin" sampling bottles, T/S sensors & spares. Ed Baker to provide requirements. Spare unit???
Hydro Winch (0.25'M)	Plankton nets, Small grab
Portable Winches	DYNACON Portable System W/ FO cable
Navigation	DP 90 D
Dynamic Positioning	Avail YES
Multibeam Sonar	YES, WILL WANT TO USE DURING TRANSITS BETWEEN SITES AND BETWEEN JASON DIVES
ADCP	Yes Narrow band 150 KHz, OS 75 KHz
Doppler Sonar	
PDR (3.5kHz, 12kHz)	Both 3.5 KHZ What data format?? Knudsen format
Magnetometer	Sea Spy Have to determine location for winch
Gravity	Yes Gravity tie in Guam
IMET	Normal
XBT	Normal
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No
Air Compressor Vans	
Coring (Gravity, Piston, Multi, etc.)	Grab
Explosives	
Containers/Vans	Tool Van, Rigging Van, 2 Control Vans, Vehicle Van, Flat rack
Electrical, Special Requirements	None
Foreign Shipments	SOME JAPANESE EQUIPMENT THROUGH AGENT IN GUAM
Isotopes	Dye Markers
Hazmat (chemicals, lithium batteries, etc.)	YES, THERE WILL BE SIGNIFICANT CHEMISTRY AND BIOLOGY PROGRAM. Can put on ship before departure Science will provide information. Lithium batt in recovered instrument???
Hazmat response issues	
Laser	JASON Science will check equipment to ensure no lasers in equipment
Freezers/Reefers	WE WILL NEED FREEZER AND -80 C FREEZER FOR BIOLOGICAL SAMPLES

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SIO Technicians	CT/Rt YES
Data Processing	Nothing special
Communications	Normal - updating web site daily
Clearances	JAPANESE IN PROGRESS; DO WE NEED A NAVY CLEARANCE?
Millique water system	Backup

Additional Notes

1. JASON II Cruise
2. 2 Jason vans, flat rack, effer and DYNACON Winch System aboard from San Diego. Other JASON vans loaded in Guam. **WOULD LIKE TO LOAD SOME SCIENCE EQUIPMENT AND SUPPLIES IF POSSIBLE IN SAN DIEGO, OK to load pallet boxes - hazmat**
3. Test Dive for Jason **AT FIRST DIVE SITE**
4. Cold water issue
5. Offload all Jason equipment from Main Deck and store in Naha until after Watts Cruise
6. Possible SCUBA dive – Scince will provide info soonest if it will happen.