

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	MELVILLE
Cruise	
Dates	
Loading Date(s)	
Off-loading Date(s)	
Chief Scientist	DAVE HILTON
Start Port	SUVA
Intermediate Ports	
End Port	Apia
# of Scientific Participants	14 Plus 2 SIO Techs ??

Equipment Requirements

24 HOUR OPERATIONS ?	
Trawl Winch (9/16" M, 0.680EM)	Dredges 4 per day 3 or 4 dredges
CTD Winch (0.322EM)	
CTD Equipment	
Hydro Winch (0.25'M)	
Portable Winches	DYNACON Portable on Fan Tail
Navigation	GP 90 D
Dynamic Positioning	YES
Multibeam Sonar	Yes when not dredging
ADCP	
Doppler Sonar	
PDR (3.5kHz, 12kHz)	Normally used
Magnetometer	Desired when not dredging on longer transits
Gravity	Yes
IMET	
XBT	Normal
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	
Air Compressor Vans	
Coring (Gravity, Piston, Multi, etc.)	
Explosives	
Containers/Vans	See note 2 below
Electrical, Special Requirements	
Foreign Shipments	
Isotopes	
Hazmat (chemicals, lithium batteries, etc.)	2 l. HCl for crushed rocks Load in SD
Hazmat response issues	
Laser	
Freezers/Reefers	
SIO Technicians	CT/RT
Data Processing	
Communications	Normal
Clearances	Depends on dredge sites Rose and Dave will meet to determine need

Additional Notes

1. Rock Saw

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2. JASON, tool van, rigging Van, Isotope van, winch, effer crane all on Fantail.
3. Dredge over side A-frame