

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	NEW HORIZON
Cruise	
Dates	22April – 3 May
Loading Date(s)	Cantarrrrrrrrro 16 April (MVP)
Off-loading Date(s)	4 – 5 May
Chief Scientist	Michael Stukel
Start Port	San Diego
Intermediate Ports	
End Port	San Diego
# of Scientific Participants	17 + 2 Techs

Equipment Requirements

24 HOUR OPERATIONS ?	Yes , 2nd Restec Set
Trawl Winch (9/16”M, 0.680EM)	IKMT – POSSIBLY Vertical Bongo - Sediment trap off A-frame
CTD Winch (0.322EM)	CTD
CTD Equipment	ODF has requirements and able to provide Need Par
Hydro Winch (0.25’M)	Net Town, Pump ops
Portable Winches	MVP
Navigation	GP 90 D
Dynamic Positioning	N/A
Fisheries Sonar	YES EK 60 scl WLLPROCESS DATA
ADCP	75 khZ
Doppler Sonar	N/A
PDR (3.5kHz, 12kHz)	YES
Magnetometer	No
Gravity	No
IMET	NORMAL
XBT	no
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	No
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	No
Explosives	No
Containers/Vans	Isotope Van
Electrical, Special Requirements	No
Foreign Shipments	No
Isotopes	Yes C-14, Th230, H3
Hazmat (chemicals, lithium batteries, etc.)	YES Ch Sci coordinate with ResTechs
Hazmat response issues	
Laser	ALF
Freezers/Reefers	-80 C Possibly need more
SIO Technicians	2 RT’
Data Processing	Normal
Communications	Ch Sci will discuss with CRG
Clearances	None
INTERNET Rqmts	

Additional Notes

1. Require Par sensor Restechs will discuss with ODF

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2. Most CTD casts 200 m some to 1000 m
3. Some ADCP may be set up prior to cruise
4. volunteers need attention to insure workmen's comp
5. U/C SYSTEM
6. Drifter Tracking needs GPS and Internet connection – laptops meet wireless requirements.
Science with CRG
7. Waste to remain in ISO van Evaluate need for add'l storage
8. May need more – 80 C space. RT's will show space available