

PRE-CRUISE PLANNING & CHECKLIST

General Info

Ship	REVELLE
Cruise	Arabian Sea
Dates	21 JULY – 25 August; 35 days
Loading Date(s)	18-21 JULY
Off-loading Date(s)	26 - 28 AUGUST
Chief Scientist	MIKE LANDRY
Start Port	MUSCAT, OMAN
Intermediate Ports	
End Port	MUSCAT, OMAN
# of Scientific Participants	24 + 3 SIO ResTech/Computer, could be more to add later

Equipment Requirements

24 HOUR OPERATIONS ?	YES, see draft 5-day Cycle plan. Same as MELVILLE CRUISE JUST LESS.
Trawl Winch (9/16”M, 0.680EM)	1 METER MOCNESS (A frame)
CTD Winch (0.322EM)	CTD + Backup 12 place 10L
CTD Equipment	24 x 10 L bottles/fluorometer, transmissometer, PAR, O ₂ sensor, Fast-Repetition Rate Fluorometer
Hydro Winch (0.25’M)	Ring net tows
Portable Winches	Trace Metals 01 lvi squirt boom SeaMac Sci bring Kevlar and Block
Navigation	GP 90 D
Dynamic Positioning	Available
Multibeam Sonar	No Not in Clearance
ADCP	150 KHz UH software
Doppler Sonar	Yes
PDR (3.5kHz, 12kHz)	Available
Magnetometer	NO
Gravity	Available
IMET	IMET w/PAR (important)
XBT	NO See Multibeam
Seismics (Air/Water Guns, Hydrophone Streamers, etc.)	NO
Air Compressor Vans	No
Coring (Gravity, Piston, Multi, etc.)	NO
U/C Seawater	Yes, FRRF
Containers/Vans	Clean van (Measures) Fantail; Isotope van; Isotope waste? Shipping van on upper deck?
Electrical, Special Requirements	Possible Omani equipment, Indian equip
Foreign Shipments	Oman Possible Isotopes to Fremantle
Isotopes	YES, Thorium trace, 14C, Fe-55
Hazmat (chemicals, lithium batteries, etc.)	Will compile individual PI Hazmat lists
Hazmat response issues	No Lithium
Laser	none
Freezers/Reefers	-20° dec C, -80° deg C, walk-in freezer, Climate control room
SIO Technicians	CT/RT/MOCNESS - CTD
Data Processing	Normal
Communications	HSN Drifter tracking – Unusual port? Sci to provide
Clearances	Oman, in progress

PRE-CRUISE PLANNING & CHECKLIST

--	--

Additional Notes

1. Microscope in dark room, or modified state room
2. Liquid scintillation counter on board? In Isovan
3. Milli-Q water 20-L/d OK
4. No acoustics.
5. Incubators on fantail – requirements, How much water, etc?
6. Daily drifter deployments
7. Sediment trap deployment and recoveries
8. MARFAC check on port with agent --- VISA's
9. Can cruise be delayed by 2 weeks if necessary for clearance.
10. Embassy recommends no 3rd party nationals
11. Possible problems with US report critical of Oman re: human trafficking
12. Dietary restrictions Indians, Omanis
13. Additional Sci Party Participants being considered. Ch Sci and PI's discussing. Sharon Smith will investigate while in OMAN in April.
14. Possible air pump – TBD by PI's
15. Isotope waste to be determined. Gary Lain to contact Sharon Smith re: Isotope matters
16. Isotope Van shipped to Fremantle
17. Gas Bottles – Sci to provide Number of bottles
18. DNA probe info to G. Lain – ask they be used in Isolation. Ch Sci to assign Location
19. Drifters tracked by satellite