CRUISE PLAN R/V WECOMA

Oregon State University, College of Oceanic & Atmospheric Sciences

FILING DATE:	2010
CRUISE NUMBER:	W1010A
TITLE:	CMOP mooring cruise
CONTRACT/GRANT NUMBER:	U0440B
PRINCIPAL INVESTIGATOR(S):	Murray Levine / Antonio Baptista

PURPOSE: (Short, non-technical statement on how cruise relates to overall project)

Recover existing moorings (2) and redeploy moorings (2) at NH-10.
Recover existing moorings (2) on the shelf at sites 3nm and 16nm from the Columbia River and redeploy replacement moorings (2).
Recover glider 20 nm off Gray's Harbor
CTD stations on the shelf as time permits, most likely along NH and CR lines.

ITINERARY: (Include station positions and route waypoints.

Sunrise: 0730; Sunset: 1830 PDT
Perfect weather scenario…

Wed Oct 13 -- load ship

Thu Oct 14 –
1000 Transit to NH-10 mooring site
1300 Deploy Sitka
1500 Recover Alder
1700 Release & Recover ADP, recover anchor
1800 Transit to Newport
2000 Dock for touch and go, or RHIB transfer (Unload: Waldorf, Risien, Langner)
(If ahead of schedule might consider unloading mooring)
2400 Transit to OGI-01 (46° 3'N, 124° 15'W), outer buoy

Fri Oct 15 –
0900 On station at OGI-01 Recover existing buoy; deploy replacement
1300 transit to OGI-02 (46° 10.2'N, 124° 7.8'N), inner buoy
1500 recover existing buoy
1700 deploy replacement buoy
1800 Night Ops CTD: CR line and plume; one calibration cast with Microcats attached to CTD

Sat Oct 16 –
0200 or so: Transit to recover glider (20 nm off Grays Harbor entrance) (RHIB required?)
0800 Recover glider
0900 Transit to NH-10
2200 Night Ops CTD: NH-10 CTD; additional NH stations as time permits

Sun Oct 17 –
Transit to Newport
0800 At dock; unload

WILL RADIOACTIVE METHODS BE USED?	**NO**

SAMPLING PLAN:

See itinerary above

EQUIPMENT REQUIRED: (Should be included on Shared-Use Equipment request form)
CTD with Chlorophyl fluorometer, transmissometer, DO Flow-through DAS system Gifford wide mouth mooring block (with load cell if possible, in center of A-frame) for mooring work. Crane (buoy deployment/recovery, moving anchors at sea, loading/unloading). Trawl winch with 3/8" working wire to be "over-wrapped" with moorings during recovery, and wide mouth level wind. Capstan and deck turning block, hydraulic tugger winch on A-frame (starboard side), ½" long link vertical "stopper" chain on starboard side of A-frame, compressed air for pneumatic tools on deck.

SCIENTIFIC PERSONNEL TO BE ONBOARD: (Provide full legal name & affiliation)	
Scientist in Charge:	Murray Levine (OSU)
Co-Chief Scientist(s):	
Party Chief:	
Technicians:	*Walt Waldorf (OSU), Michael Wilkin(OHSU), Katie Rathmell(OHSU), *Craig Risien (OSU), *David Langner (OSU)
Grad Students:	Suzanne DeLorenzo (OHSU), Pat Welle (OHSU), Morgaine McKibben (OSU), Veronika Megler (Portland State U), Jeff Oskamp (OSU)
Undergraduate Students:	
Observers:	

* = First day only

OSU Marine Technician(s) Assigned to Cruise:	David O'Gorman

USER SUPPLIED EQUIPMENT:	
Estimated Weight:	
Location:	

OTHER BULKY HEAVY ITEMS:
To deploy: Surface buoy "Sitka" (1000#) and anchor (2500#) Surface buoy "OGI 02" (1000#) and anchor (1500#) Surface buoy "OGI 01" (800#) and anchor (1500#) To recover: Surface buoy "Alder" (1000#) and anchor (2500#) Subsurface buoy ADP (500#) and anchor (800#) Surface buoy "OGI 02" (1000#) and anchor (1500#) Surface buoy "OGI 01" (800#) and anchor (1500#)

BILLING INFORMATION:	
Name:	COAS
Address:	
City, State, Zip	
Phone:	
Account Number (or number to reference):	

DO YOU WANT CELLULAR/INMARSAT PHONE ACCESS:	NO
(Chief Scientist will be responsible for all charges – dedicated science phone.)	

Contact info:

Waldorf 541-231-9581
Wilkin 503 348 6828
Wecoma ship land line 541-867-0252
Wecoma ship ops 541-867-0295