

CRUISE PLAN R/V WECOMA

FILING DATE:	9/1/11
CRUISE NUMBER:	W1109D
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 and Deploy mooring at NH-10. Recover and deploy moorings on the shelf at sites 3mi and 16 mi from the Columbia River. CTD stations. Recover glider using RHIB.

ITINERARY: (Include station positions and route waypoints.)
Sunrise: 0700; Sunset: 1900 PDT Perfect weather scenario...
CTD stations: water samples with rosette will be taken at some of the stations.
Mon Sep 26 -- Load ship
Tues Sep 27 – 1000 Transit to NH-10 (Private Aid, Light #652) (44° 38.00'N, 124° 18.20'W) (Chart name: <i>OSU Yaquina Research Lighted Buoy</i> , Light #652) 1300 Deploy Sitka (80m water depth) at comfortable distance from Alder buoy and Hales subsurface mooring (44° 38.0'N, 124° 18.5'W) (6' diam buoy 1000#, 70 m 3/8" wire rope + 45 m 1/2" chain + 3-wheel anchor 2500#) Recover Alder with anchor (6' diam buoy 1000#, 70 m 3/8" wire rope + 45 m 1/2" chain + 3-wheel anchor 2500#) 1700 CTD casts: NH line 2200 Transit to OGI-01 (a.k.a. "offshore site") for mooring deployment (330' water depth) (46° 2.13'N, 124° 14.60'W) (Chart name: <i>Seaside data buoy</i> , Light #687)
Wed Sep 28 – 0800 On station at OGI-01 for mooring deployment (330' water depth) (5' diameter 800#, 300' 3/8" wire + 400' 1/2" chain + 1000# clump anchor) Transit to SATURN-02 (a.k.a. "inshore site") (46° 10.43'N, 124° 7.63'W) (140' water depth) (Chart name: <i>CMOP Research Lighted Buoy</i> , Light #693) CTD cast stopping at instrument depths Recover SATURN-02 mooring (5' diameter 800#, 130' of 3/8" wire with instruments + 300' of 1/2" chain + 1000# clump anchor) Deploy SATURN-02 mooring (5' diameter 800#, 140' of 3/8" wire with instruments + 300' of 1/2" chain + 1000# clump anchor) Transit to site offshore of Grays Harbor to recover Slocum glider "Phoebe" using ship's RHIB. 1900 CTDs at OGI-01, SATURN-02 and various locations in plume. CTDs on CR line (CR-4 to CR-40)
Thur Sep 29 – 0800 Transit to CM-30 1200 CTDs on CM line (CM-30 to CM-1) 2000 Transit to Newport

Fri Sep 30 -- 0800 At dock in Newport

WILL RADIOACTIVE METHODS BE USED?	NO
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SAMPLING PLAN:
See itinerary above

EQUIPMENT REQUIRED: (Should be included on Shared-Use Equipment request form)
Tip plate to launch anchors for OGI-01 and Saturn-02 -80 deg freezer CTD with Chlorophyll fluorometer, transmissometer, DO Flow-through DAS system Gifford wide mouth mooring block (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 mooring during recovery, and wide mouth level wind. Capstan and deck turning block, hydraulic tugger winch on A-frame (starboard side), 1/2" 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)
Scientist(s):	Michael Wilkin (OHSU), Katie Rathmell (OHSU)
Party Chief:	
Technicians:	David Langner (OSU)
Grad Students:	Suzanne DeLorenzo (OHSU), Veronika Megler (PSU), Jesse Lopez (OHSU), Brad Weir (OSU), Eric Schneider (Clatsop Community College), Rachel Golda (OHSU), Michael Garcia (OHSU)
Undergraduate Students:	
Observers:	

OSU Marine Technician(s) Assigned to Cruise:	David O'Gorman
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USER SUPPLIED EQUIPMENT:	
Estimated Weight:	
Location:	

OTHER BULKY HEAVY ITEMS:
Surface buoys "Alder" and "Sitka" (1000#) and anchors (2500#) Surface buoy "OGI-01" (800#) and anchor (1000#) Surface buoy "SATURN-02" (800#) and anchor (1000#)

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.)	

9/1/2011

file: W1109D_Cruise_Plan_v5.doc

Contact info:

Levine 541-737-3047 (w), 541-752-0049 (h), 541-740-5709 (cell)

Langner 541-737-2255 (w), 858-699-0043 (cell)

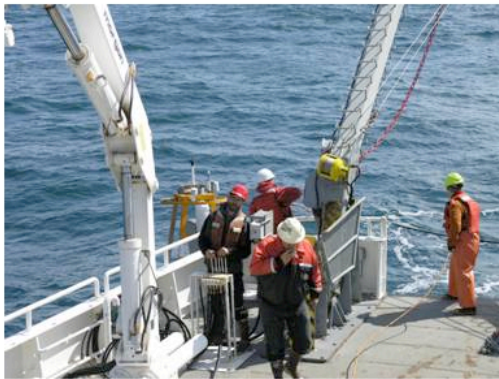
Wilkin 503 338 6574 (w) 503 348 6828 (cell)

Rathmell 503 338 7681 (w) 503 803 1679 (cell)

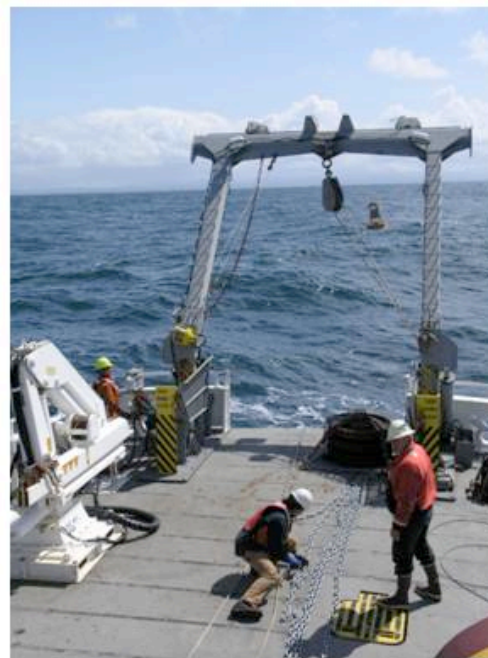
Garcia 503-750-1430 (cell)

Wecoma ship land line 541-867-0252

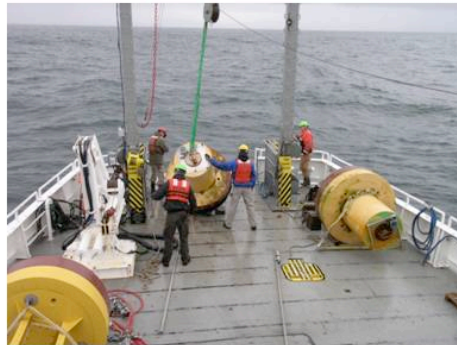
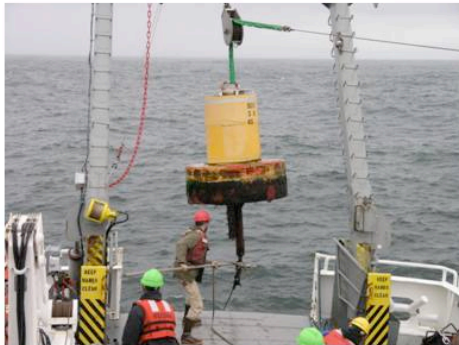
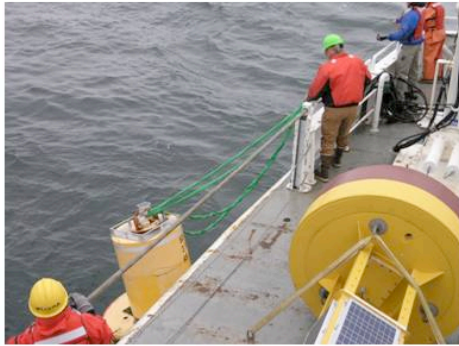
Wecoma ship ops 541-867-0295



Launch sequence of Buoy Alder at NH-10 from Wecoma – April 2011



Launch sequence of Buoy Alder at NH-10 from Wecoma – April 2011



OGI-01 Recovery on Wecoma – April 2011



SATURN-02 Deployment on Wecoma – April 2011