

CRUISE PLAN R/V OCEANUS

FILING DATE:	xxxx
CRUISE NUMBER:	OC1203A
TITLE:	CMOP mooring and baseline cruise
CONTRACT/GRANT NUMBER:	U0766B
PRINCIPAL INVESTIGATOR(S):	Murray Levine / Antonio Baptista

PURPOSE: (Short, non-technical statement on how cruise relates to overall project)
Deploy mooring at NH-10. Recover and deploy moorings on the shelf at sites 3mi and 16 mi from the Columbia River. Deploy glider Phoebe. CTD stations.

ITINERARY: (Include station positions and route waypoints.)
<p>Sunrise: 0700; Sunset: 1930 PDT Perfect weather scenario...</p> <p>CTD stations: water samples with rosette will be taken at some of the stations.</p> <p>Mon Mar 26 -- Load ship</p> <p>Tue Mar 27 –</p> <p>1000 Transit to NH-10 site (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 Alder (80m water depth) (6' diam buoy 1000#, 70 m 3/8" wire rope + 45 m 1/2" chain + 3-wheel anchor 2500#) 1400 CTD casts: along NH Line (NH-10,15,20,25,35,45) 2200 Transit to OGI-01 (90 nmiles) (a.k.a. "offshore buoy") for mooring recovery (330' water depth) (46° 2.13'N, 124° 14.63'W) (Chart name: <i>Seaside data buoy</i>, Light #687)</p> <p>Wed Mar 28 –</p> <p>0800 On station at OGI-01 for mooring recovery (330' water depth) (5' diameter 800#, 300' 3/8" wire + 300' 1/2" chain + 1000# clump anchor) Note: No new deployment OGI-01. 1000 Transit to SATURN-02 (a.k.a. "inshore buoy" and " OGI-02") for mooring recovery (300' water depth) (46° 10.40'N, 124° 7.60'W) (Chart name: <i>CMOP Research Lighted Buoy</i>, Light #693) 1100 Recover mooring (5' diam buoy 800#, 130' of 3/8" wire + 300' of 1/2" chain + 1000# clump anchor). 1300 Deploy mooring at SATURN-02 (5' diameter 800#, 130' of 3/8" wire with instruments + 300' of 1/2" chain + 1000# clump anchor) 1500 Transit to CR-4 (2 nmiles) and begin CTDs along CR line (CR-4,7,10,15,20,25,30,35,40).</p> <p>Thu Mar 29 –</p> <p>0300 Transit to GH-41 (51 nmiles) 0800 CTDs along GH line (GH-41,36,31,26,21,16,10,6,3) 1800 Transit to SATURN-02 (50 nmiles) 2300 CTD at SATURN-02, and OGI-01. Plume CTDs TBD</p> <p>Fri Mar 30 –</p> <p>0600 Transit to glider deployment site, NW of river mouth at site TBD (about 25 nmiles) 0900 Deploy glider Phoebe and stand by while exercising glider (3 h) 1200 Transit to CM-1 (65 nmiles)</p>

1800 CTDs along CM line (CM-1,3,5,10,15,20,25,30)
Sat Mar 31 –
0200 Transit to Newport (60 nmiles)
Arrive by 0800

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)
CTD with Chlorophyl fluorometer, transmissometer, DO
-80 deg freezer
Flow-through DAS system
Gifford wide mouth mooring block on A frame for mooring work.
Crane (buoy deployment/recovery, moving anchors at sea, loading/unloading).
Trawl winch that can be “over-wrapped” with mooring line and hardware during recovery
Capstan and deck turning block, hydraulic tugger winch on A-frame (starboard side), ½” long link vertical “stopper” chain, 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), Clara Llebot (OHSU)
Party Chief:	
Technicians:	David Langner (OSU), Jo Goodman (OHSU), Carolyn Sheehan (OHSU)
Grad Students:	Rachel Golda (OHSU), Michael Garcia (OHSU), Kristina Remple (OHSU),
Undergraduate Students:	
Observers:	

OSU Marine Technician(s) Assigned to Cruise:	Daryl Swensen, Erik Arnasen, David O’Gorman
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USER SUPPLIED EQUIPMENT:	
Estimated Weight:	
Location:	

OTHER BULKY HEAVY ITEMS:
Compressed gas cylinders
Surface buoy “Alder” (1000#) and anchor (2500#)
Surface buoy “SATURN-02” (800#) and anchor (1000#)

BILLING INFORMATION:	
Name:	CEOAS
Address:	
City, State, Zip	
Phone:	

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

Contact info:

Michael Wilkin 503 348 6828
Murray Levine 541 737 3047; 514 740 5709
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Oceanus ship land line 541-867-0252
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Clara Llebot 541-908-2393
Carolyn Sheehan 858-405-3528
Jo Goodman 805-452-2122
Krissy Remple 541-231-9691 (coming by self 2pm)