

Oregon State University, College of Oceanic and Atmospheric Sciences Shared-Use Equipment Request

Date:	
Cruise/Project:	Chief Scientist:
Cruise/Use Dates:	Phone Number(s):
Marine Technician:	Primary Contact:
	email address for contact:

Address Questions to: Marc Willis, Marine Technician Superintendent,
phone: 541/737-4622; FAX: 541/737-2470; email: willis@coas.oregonstate.edu

9/04

Please Return to: Marc Willis, OSU-COAS, 104 COAS Admin. Bldg., Corvallis, OR 97331

ITEM	ANTICIPATED USE	COMMENTS
Standard Ship's Outfit		
SeaBird CTD system Options: transmissometer fluorometer, PAR, O2, altimeter Can handle other analog inputs	No. casts _____ max depth _____ optional sensors? _____	requires Marine Tech onboard indicate special needs:
SBE Carousel samplers - 12 bottle	check if wanted _____ size bottles to be used	requires Marine Tech
5-liter, 10-liter and 1.7 liter Niskin bottles - NO MESSENGERS AVAILABLE	Size(s) needed _____ No. needed _____	indicate special needs:
RDInstruments shipboard Doppler current profilers (75 kHz OS and 150 kHz NB systems). TRANSECT not available.	Frequency _____ Dual system? _____	Provided with IBM-PC logging, call for details - ARRANGEMENTS FOR DUAL USE, OR UNUSUAL REQUESTS SHOULD BE MADE WELL IN ADVANCE.
DAS shipboard data logging/display system - Runs routinely		Indicate special needs:

NOTES:

Please provide a list of any user-supplied sensors to be integrated into the data streams. WECOMA's DAS system can provide logging of up to three user-supplied analog voltage sensors.

Standard Ship's Outfit (con't)

ITEM	ANTICIPATED USE	COMMENTS
Shipboard Networking Services	See Below	
Winch slip rings - 4-conductor - 4 available	check if needed_____	required for CTD
12 kHz pingers - Benthos model 2216 (2 available)	check if needed_____ estimate hours of operation	
*Shipboard bathymetric systems 12 kHz and 3.5 kHz can run simultaneously	indicate any special needs:	
Dry Lab tables and cabinets in various heights and sizes:	Please FAX us a copy of your preferred arrangement at 541/737-2470 See Appendix 6	
Portable refrigerator (15 cu. ft.)	check if needed_____	NO RADIOACTIVE STORAGE IN THESE REEFERS!
Portable chest freezers (2 @ 7 ft ³)	check if needed_____	NO RADIOACTIVE STORAGE IN THESE REEFERS!
Plain paper copier	please indicate if a large amount of use anticipated	

COMMENTS:

NETWORKING: If you have need for shipboard network capabilities, or if you desire more information on shipboard networking on WECOMA, please contact Toby Martin, Data Systems Specialist, 541/737-4447, email: toby@coas.oregonstate.edu. Internet connections are available on WECOMA at dockside in Newport. Please contact Toby for details.

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Transient Equipment

ITEM	ANTICIPATED USE	COMMENTS
Guildline PortaSal	Check if wanted _____ [operated by user]	User supplies standard water. Sample bottles can be supplied, estimate number of samples:
Turner Designs field model 10-AU fluorometer	check if wanted ____ flow-thru or cuvette mode? _____ interface to shipboard data systems?	<i>This is a programmable instrument, user provides configuration.</i> indicate any other special needs:
1 m ² MOCNESS System	Check if wanted _____	call for info
HTI Bioacoustic sonar system	Check if wanted _____	User provides expendables and operator.
Low Temperature freezer (1 available) -85C, 5 cu. ft.	check if needed _____	NO RADIOACTIVE STORAGE IN THESE REEFERS!

NOTES:

Nutrient Autoanalysis Facility

Nutrient AA services are available within the College of Oceanography. A Rapid Flow Analysis system is available under the direction of Dr. Lou Gordon (541/737-2161). Please call Dr. Gordon for details of the system, availability and cost information.

Oxygen Titration System

An automated oxygen titration system is available for use on WECOMA and other vessels. The system is administered by Dr. Lou Gordon (541/737-2161) and Joe Jennings (541/737-4365). Please contact them for information on capabilities and availability.

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Ship's Deck Equipment

Winch And Wire Rope Requirements: Please indicate type of wire/cable required for each winch. Also state purpose for use of wire rope and EM cables, weight of instrument(s), depth of cast(s) and length of wire required. See R/V WECOMA Cruise Planning Manual.

Hydro Winch: (Typically used for CTD casts. CTD wire=0.322" 3-conductor EM, 1/4" wire rope available.)

Trawl Winch: (Available with bare drum, 0.322" conducting wire or 3/8" trawl wire):

Coring Winch: (Available only with 9/16" wire rope or 0.680" coax):

*Portable CTD Winch (with 1/4" EM Cable, 2000 m):

Cranes/Frames:

*Articulating crane:

Main Ship's Crane:

Hydro A-Frame:

Stern A-Frame:

Capstan:

*Portable Air tuggers/air winches (2 avail):

*Portable storage racks for compressed gas cylinders:

Specify number, size of cylinders, type of gas, storage plan:

NOTES:

 * indicates equipment carried only on request.

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Please give a brief summary of operations for your cruise, any special requirements or needs you may have which are not mentioned above, and any information which will help us to plan technical support for your cruise. (e.g., Diving, any unusually large, heavy or delicate equipment, storage before or after the cruise, unusual requirements for power, hydraulics or air, pre and post-cruise shipping, etc.).

Please Indicate Ports Of Call, Particularly Loading/Offloading Ports Other Than Newport.

Cruise/Project

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Notes on Common-Use Equipment

1) **AVAILABILITY:** The equipment listed on this form is part of an NSF-sponsored shared-use pool. As such, it is available for use by WECOMA projects as well as projects at OSU (and sometimes elsewhere). Scheduling is done on a first-come, first-served basis, with priority given to NSF-sponsored, WECOMA projects.

2) **PERSONNEL REQUIREMENTS:** The equipment is provided with the understanding that the user will provide for his/her own personnel needs. It is not the job of the Marine Technician to perform your research work. The Marine Technician may be free to assist with your field work, but his/her other duties have priority.

3) **EQUIPMENT STAGING:** We can provide most of your staging needs at Newport and elsewhere. Any additional lifting equipment you may require will be recharged to your project. You are advised to contact the Marine Superintendent (Fred Jones, Ship Operations, Newport 541/867-0224, email: jonesf@onid.oregonstate.edu), regarding ports other than Newport, dealings with agents, etc.

4) **COSTS AND CHARGES:** In most cases, there is no charge for use of this equipment on WECOMA. All normal costs are covered in the Technicians Daily Rate for shiptime. Some items (for example, XBT probes and standard water) are normally supplied by the user.

5) **LIABILITY FOR DAMAGE:** Damage to instrumentation and equipment beyond normal wear-and-tear, or due to negligence on the part of the user will be the responsibility of the user. Users from outside OSU may be required to show proof of adequate insurance before equipment can be released to them for use.

6) **RADIOACTIVE WASTE AND RAD MONITORING:** WECOMA has very specific guidelines for the onboard use and subsequent disposal of radioactive materials. You must consult with the Marine Superintendent about this well in advance. Disposal of radioactive waste is the responsibility of the user, regardless of where done. In the vast majority of cases, disposal of radioactive wastes at sea is prohibited. Disposal of most waste can be arranged through the Radiation Safety Office at OSU, and will be at your expense. These costs and procedures are available on request from the Radiation Safety Officer at OSU (Rainier Farmer, 541/737-2227). Be advised that you will be required to continuously monitor your work areas, and that your work areas are subject to a radiation sweep test following your cruise. In ports of call other than Newport, this will be your responsibility. You are strongly advised to contact the Marine Superintendent and Radiation Safety Officer well in advance of your cruise, to head off any problems. **NOTE: REFRIGERATED/FROZEN STORAGE OF ISOTOPES AND RADIOACTIVE MATERIALS IS YOUR RESPONSIBILITY. RADIOACTIVE STORAGE IS NOT ALLOWED IN ANY OF WECOMA'S REEFERS OR FREEZERS.**