

R/V PELICAN Pre-Cruise Questionnaire

Please fill this out and return it to marinetech@lumcon.edu and pelican@lumcon.edu at least 40 days prior to your cruise to ensure that all of your technical needs can be met.

Could our Science Media Officer contact you about promoting your cruise online? If you have questions, please get in touch with her directly: [Virginia Schutte, vschutte@lumcon.edu](mailto:vschutte@lumcon.edu).

yes

no

BASIC INFO

Cruise ID:	
Submitter's Name:	
Phone:	
Science Party Arrival Date & Time at LUMCON (mm/dd/yyy HH:MM):	
Cruise Departure Date & Time (mm/dd/yyy HH:MM):	
Cruise Return Date & Time (mm/dd/yyy HH:MM):	
Purpose of Cruise:	
Cruise P.I.:	
Cruise P.I.'s Email:	
Number of scientific party vehicles to be parked in LUMCON's designated cruise parking area:	
Minimum time required for loading/unloading:	
Number in scientific party:	
Food preferences (If vegetarian, specify if cheese, fish, chicken, etc. is ok):	
Funding Agency:	
Individual responsible for any additional costs:	

EQUIPMENT, PLEASE SPECIFY "YES" OR "NO" AS APPROPRIATE

TECHNICAL SERVICES

The scientific party is responsible for providing personnel for all overboard deployment and retrieval of all science gear (at least 2 able-bodied individuals for each 12-hour watch). The ship will provide 1 person for each watch to run the necessary deck equipment for all over-the-side operations. Do you require an additional Technician (the Chief Scientist is responsible for costs associated with providing an extra Technician)?	yes
	no

MIDAS FLOW-THROUGH SYSTEM AND SEAWATER REQUIREMENTS

Sea-bird Electronics SBE 21 Thermosalinograph	
WetStar Fluorometer	
WETLabs 25-centimeter path length transmissometer or 10cm path length	
Knudsen 320B/R Series Deepwater Echosounder	
Wetlab seawater feed; specify flow rate and volume required	
On deck seawater feed; specify flow rate and volume required for science or washdown only	

METEOROLOGICAL SUITE

R.M. Young 05103 Wind Monitor	
Vaisala Barometric Pressure sensor	
Vaisala Temperature and Relative Humidity sensor	

CTD/ROSETTE SYSTEM	
Sea-Bird Electronics SBE 911 plus CTD system	
Dual pumped sbe 3 temperature & sbe 4 conductivity sensors	
Pumped Dissolved Oxygen Sensor, sbe 43	
Second Pumped Dissolved Oxygen Sensor sbe 43	
[REQUIRED] Benthos Altimeter PSA-916	YES
AUXILIARY WATER COLUMN PROFILING SENSORS (CHOOSE UP TO 5)	
Transmissometer, WETLabs 25-centimeter path length, 6000 m	
Transmissometer, WETLabs, 10 centimeter path length, 600 m	
Fluorometer, Chelsea Aquatracka III Chlorophyll a, 6000m	
Fluorometer, WETLabs CDOM, 2000m	
Fluorometer, Turner Designs C3 w/Crude Oil (UV) and Chlorophyll a, 600m	
Fluorometer, Wetlabs Wetstar Mini Fluorometer, 600 m	
Fluorometer, Seapoint UV, 6000m	
Fluorometer, Seapoint Chlorophyll a, 6000m	
Turbidity, Seapoint, 6,000 m	
Optical Backscatterance Sensor, D&A Model OBS-3, 500 m	
PAR, Biospherical Instruments QSP-2300, 2000m	
PAR, Biospherical Instruments QSP-200L, 1000m	
SPAR QSR-2000 Surface PAR	
SPAR QSR-240 Surface PAR	
WETLabs AC-9, 9 wavelengths spectral transmittance & absorption, 500m	
Seabird SBE27 pH and Redox sensor, 1200m (Requires 2 positions)	

CTD CAROUSEL WATER SAMPLING	
Seabird SBE32 12 position 5L bottle carousel (60-L total capacity)	
Seabird SBE32 12 position 12L bottle carousel (144-L total capacity)	

TOWED CTD, SEASCIENCES ACROBAT 100m DEPTH	
SBE19 CTD and Auxiliary Equip. See list above and confer with Technicians for selection	

ACOUSTIC DOPPLER CURRENT PROFILER (ADCP)	
1200kHz RDI Workhorse 10m nominal range	
300 kHz RDI Workhorse 60m nominal range	
75 kHz RDI Ocean Surveyor 600m nominal range	

PHANTOM HD ROV 600m DEPTH	
Specify target depth. Contact Technicians for desired auxiliary equip.	

CORING/BOTTOM SAMPLING	
0.1 m2 Gomex type Stainless Steel Box Corers	
Bauma 0.25 m2 Stainless Steel spade footbox corer with 3 boxes	
Benthos Gravity Corer - No core liners are provided, you will have to provide your own liners (3 meter core capability with launch and recovery stand).	
Ponar 9" mud grab	
Ocean Instruments MC-800 Multi-corer Deep Ocean Sediment Sampler	
Alpine Vibracore	
Dredge	
Benthic Skimmer	

FRIDGE/FREEZER SPACE	
Refrigerator space needed in cubic feet	
Freezer space needed in cubic feet	

ADDITIONAL INSTRUMENTATION & EQUIPMENT	
USBL for instrument tracking. One 6000m depth, 5000m slant range transponder avail.	
Thermo/Barnstead mn 7155 Reverse Osmosis type I water purifier (specify volume needed)	
Barnsted Nanopure Diamond Ultrapure 18.2MOhm water (specify volume needed)	
Endeco One Meter ParaVane Wing for towed instrument suites	
Expendable Bathythermograph System (Sippican MK12 with hand-held launcher)	
In-situ filtration and extraction instrument (Infiltrex 100, 200 meter depth)	
Lab VAN 8'X20' 100volt, Air Condition, running water, hepa-filter air, small refridgerator, small	

RADIOISOTOPE WORK	
All radioisotope work aboard R/V <i>Pelican</i> must be conducted from our 8'x12' Radioisotope van. Users of the radioisotope van my perform a mandatory post-cruise swab test before vessel departure (see the pre-cruise manual for more information on radioisotope procedures).	
I will be using radioisotopes and I agree to follow the procedures for isotope use and handling in the UNOLS Research Vessel Safety Standards and R/V <i>Pelican</i> pre-cruise manual.	

SMALL BOATS	
10 foot Small Avon (If selected, this boat will be kept on the upper deck)	
15 foot Safe Boat (If selected, this boat will take up space on the back deck)	
Other, please specify	
total number of planned small boat use hours	

DRONES	
Do you plan to bring a drone onboard?	

SPECIAL VOLTAGE REQUIREMENTS	
Voltage and power requirement:	
Location, i.e. back deck, 01 deck, etc.	

ADDITIONAL INFORMATION/EQUIPMENT	
Dive Compressor (Bauer Model K14BP-E3 High Pressure Breathing Air Compressor)	
Sonotronics Diver Beacon	

1. Will you be providing a person to operate the CTD and underway data acquisition?	
2. If you are using the CTD: what is your deepest anticipated cast depth?	
3. If you are coring or using grabs: what is your deepest anticipated cast depth?	
4. If you are using the hydro winch: what is your deepest anticipated cast depth?	
5. Do you require large crane service for heavy equipment loading/unloading? (>8000lbs)	
6. Do you require a RS-232 serial feed from the GPS ? How many? Where?	
7. Will you be bringing hazardous materials and/or chemicals on board? Please list.	
Refer to the pre-cruise manual for instructions on hazardous materials and/or chemicals onboard.	

BERTHING PLAN	
UPPER DECK	
	Stateroom #2, Bunk 1
	Stateroom #2, Bunk 2
	Stateroom #3, Bunk 1
	Stateroom #3, Bunk 2
LOWER DECK	
	Stateroom #4, Bunk 1
	Stateroom #4, Bunk 2
	Stateroom #4, Bunk 3
	Stateroom #4, Bunk 4
	Stateroom #6, Bunk 1
	Stateroom #6, Bunk 2
	Stateroom #6, Bunk 3
	Stateroom #6, Bunk 4
	Stateroom #7, Bunk 1
	Stateroom #7, Bunk 2

Supplied scientific instrumentation are calibrated according to manufacturer recommendation. Field calibrations are the responsibility of the scientific party. The science party is required to provide a list of MAC addresses for each computer/phone that will be used on the Point Sur's Network before or during mobilization. The marine technician will assist with unique devices.

ADDITIONAL NOTES/COMMENTS/REQUESTS