

R/V PELICAN Pre-Cruise Questionnaire

Please fill this out and return at least 40 days prior to your cruise to ensure that all of your technical needs can be met

Could our social media officer (Virginia Schutte, vschutte@lumcon.edu) contact you about promoting your cruise online? If you have questions, please get in touch with her directly

BASIC INFO	
Purpose of Cruise:	
Submitter's Name:	
Phone:	
Cruise P.I.:	
Cruise P.I.'s Email:	
Cruise P.I.'s Phone:	
Funding Agency:	
Individual responsible for any additional costs:	

Arrival, Mobilization/Demobilization	
Science Party Arrival Date & Time at LUMCON (mm/dd/yyyy HH:MM):	
Cruise Departure Date & Time (mm/dd/yyyy HH:MM):	
Cruise Return Date & Time (mm/dd/yyyy HH:MM):	
Science Party Departure Date & Time at LUMCON (mm/dd/yyyy HH:MM):	
Minimum time required for loading/unloading:	
The vessel is equipped with a ship's crane that can lift up to 6,800lbs at no extra charge. If lifts greater than 6,800lbs are required for MOB/DeMOB, a large crane can be rented at an additional charge	
	Check if Yes
Do you require a large crane for lifts greater than 6,800lbs?	
How heavy is your lift?	
Number of Science Party Vehicles (Park in Designated Areas only) :	
Number in scientific party:	
If you require rooms in LUMCON's dormitories or apartments, please contact Melanie Holly-Morgan at mholly-morgan@lumcon.edu or 985-851-2800	

TECHNICAL SERVICES

One technician stands a 12 hour watch when the vessel is at sea and is included in the standard day rate. If you are conducting 24-hour operations, the vessel's technician can train a member of the science party to conduct CTD operations. A 2nd LUMCON technician is also available for an additional cost upon request.

Check if Yes

Would you like a 2nd technician at an additional cost of \$660 per day?

***LUMCON Supplied scientific instrumentation are calibrated according to manufacturer recommendation. Field calibrations are the responsibility of the scientific party. ***

The scientific party is responsible for providing personnel for all overboard deployment and retrieval of all science gear. At least 2 able bodied individuals are needed for each watch to deploy and retrieve CTD's, corers, etc. The ship will provide 1 person for each watch to run the necessary deck equipment for all over the side operations.

CTD/ROSETTE SYSTEM**Check if Yes**

R/V *Pelican* is equipped with a Seabird Electronics 9/11 CTD system. The standard package includes the following sensors: Pressure, Dual SBE03 Temperature, Dual SBE04 Conductivity, Dual SBE43, and Benthos Altimeter PSA-916

What is your deepest anticipated CTD cast depth?

YOU MAY SELECT UP TO 5 AUXILIARY SENSORS**Check if Yes**

Transmissometer, WETLabs 25-centimeter path length, **6,000m DEPTH RATING**

Transmissometer, WETLabs, 10 centimeter path length, **600m DEPTH RATING**

Fluorometer, Chelsea Aquatracka III Chlorophyll a, **6,000m DEPTH RATING**

Fluorometer, WETLabs CDOM, **2,000m DEPTH RATING**

Fluorometer, Turner Designs C3 w/ Crude Oil (UV) & Chl a, **600m DEPTH RATING (Requires 2 positions)**

Fluorometer, Wetlabs Wetstar Mini Fluorometer, **600m DEPTH RATING**

Fluorometer, Seapoint UV, **6,000m DEPTH RATING**

Fluorometer, Seapoint Chlorophyll a, **6,000m DEPTH RATING**

Turbidity, Seapoint, **6,000m DEPTH RATING**

Optical Backscatterance Sensor, D&A Model OBS-3, **500m DEPTH RATING**

PAR, Biospherical Instruments QSP-2300, **2,000m DEPTH RATING**

PAR, Biospherical Instruments QSP-200L, **1,000m DEPTH RATING**

Seabird SBE27 pH and Redox sensor, **1,200m DEPTH RATING (Requires 2 positions)**

THE FOLLOWING SENSORS CAN BE ADDED TO THE CTD UPON REQUEST IN ADDITION TO THE 5 AUXILIARY SENSORS**Check if Yes**

WETLabs AC-9, 9 wavelengths spectral transmittance & absorption, **500m DEPTH RATING**

SPAR, Biospherical Instruments Surface PAR

CTD CAROUSEL WATER SAMPLING**Check if Yes**

Seabird SBE32 12 position 5L bottle carousel (60-L total capacity)

Seabird SBE32 12 position 12L bottle carousel (144-L total capacity)

SCIENTIFIC SEAWATER REQUIREMENTS	
How many scientific seawater connections do you need in the wetlab?	
What is the desired flow rate needed in the wetlab?	
How many scientific seawater connections do you need on deck/for incubators?	
What is the desired flow rate needed on deck/for incubators?	
SCS UNDERWAY DATA ACQUISITION SYSTEM (INTAKE IS 2.9m BELOW WATERLINE)	
	Check if Yes
Sea-bird Electronics SBE 21 Thermosalinograph for Temperature, Conductivity, and Salinity:	
WetStar Fluorometer for Chlorophyll a:	
WETLabs C-STAR 25-centimeter path length transmissometer (ONLY SELECT ONE):	
WETLabs C-STAR 10-cm path length Transmissometer (ONLY SELECT ONE):	
Biospherical Surface PAR:	
Deepwater Echosounder:	
R.M. Young 05103 Wind Monitor for Wind Speed and Direction (Relative and True):	
Vaisala Barometric Pressure sensor:	
Vaisala Air Temperature and Relative Humidity sensor:	

ACOUSTIC DOPPLER CURRENT PROFILER (ADCP)	
	Check if Yes
1200kHz RDI Workhorse 10m nominal range	
300 kHz RDI Workhorse 60m nominal range	OUT FOR REPAIR
75 kHz RDI Ocean Surveyor 600m nominal range	

CORING/BOTTOM SAMPLING	
	Check if Yes
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 (You must provide your own extruder stand and core tubes to extrude into)	
Dredge	
Benthic Skimmer	
If you are coring or using grabs, what is your deepest anticipated cast depth?	

FRIDGE/FREEZER SPACE

Refridgerator Space in cubic feet?

Freezer Space in cubic feet?

ADDITIONAL INSTRUMENTATION & EQUIPMENT**Check if Yes**

Tracklink USBL for tracking equipment like ROVs. One 6000m depth, 5000m slant range transponder:

Thermo/Barnstead mn 7155 Reverse Osmosis type I water purifier:

Barnsted Nanopure Diamond Ultrapure 18.2MΩ water:

Endeco One Meter ParaVane Wing for towed instrument suites:

Sippican MK12 Expendable Bathythermograph System (XBT) with hand-held launcher (**Science Party must provide probes**):

Lab VAN 8'X20' Air Conditioned, running water, 120VAC, hepa-filter air, small refridgerator, and fume hood:

Would you like to use the hydro winch for science party provided equipment:

If you are using the hydro winch, what is your deepest anticipated cast depth?

Will you be bringing chemicals on board the vessel? (**Science party must bring SDS sheets for all chemicals brought on board**)**RS-232 NMEA serial data feeds are available upon request (I.e. GPS, Gyro compass, etc.)**

Do you require NMEA serial data feeds?

Please list desired sentence strings:

Number of connections required:

Location, i.e. Wetlab, Drylab, etc.:

120VAC at 20amp is supplied throughout the vessel. Other voltages may be provided upon request

Do you have special voltage requirements?

Please specify the voltage and amperage needed:

Number of connections:

Location, i.e. back deck, 01 deck, etc.:

RADIOISOTOPE WORK

USERS OF THE RADIOISOTOPE VAN MUST PERFORM A MANDATORY PRE AND POST CRUISE SWAB TEST BEFORE DEPARTING THE VESSEL (Please refer to "Radioisotopes" of the Cruise Planning Manual located under the Chartering section of the Pelican Website as well as procedures for use and handling of isotopes as described in the UNOLS Research Vessel Safety Standards for further details.)

All radioisotope work aboard R/V Pelican must be conducted from our 8'x10' Radioisotope van. Installed equipment; 110 volt AC, running water, benches, fume hood, air conditioning, Beckman Culter LS6500, Multi-purpose Scintillation Counter; LCD Monitor, Oki Microline 320 Turbo 9-pin printer, Ludlum, Model 14C Handheld Geiger Counter, fume hood, small freezer, refrigerator, incubator rack.

Radioisotope users must contact Dr. Brian Roberts, LUMCON's Radiation Safety Officer, for approval at:

broberts@lumcon.edu**Check if Yes**

Do you wish to use LUMCON's Radioisotope Van?

SMALL BOATS	
	Check if Yes
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 see: lumcon.edu/small-boats	
total number of planned small boat use hours	

Unmanned Aircraft Systems (UAS) - Drones	
Science party bears all responsibility for operating UAS including damages or injury. UAS operators must comply with FAA regulations found here: https://www.faa.gov/uas/resources/uas_regulations_policy/	
UAS/Drone operators MUST INFORM THE CAPTAIN and receive approval for EACH FLIGHT occurring during a scientific cruise as well as inform the captain at the end of the flight	
	Check if Yes
Do you plan to bring and operate a UAS/drone during this cruise?	

SCUBA Diving	
All SCUBA Diving operations on LUMCON vessels must meet LUMCON's Dive Safety Program's requirements. Details about LUMCON's Dive Safety Program can be found here: https://lumcon.edu/scientific-diving/	
Scientific Divers must contact LUMCON's Dive Safety Officer for approval prior to dive operations at:	DSO@lumcon.edu
	Check if Yes
Do you plan to dive during this cruise?	
Do you require an air compressor?	
Do you require SCUBA cylinders?	
If you require SCUBA cylinders, please specify how many:	

ADDITIONAL NOTES/COMMENTS/REQUESTS

BERTHING PLAN

Science Party compliment is up to 14 UNLESS an additional LUMCON technician is requested. If an additional techn is requested then Science Party complement is reduced to 13

UPPER DECK	NAME	FOOD ALLERGIES/PREFERENCES
Stateroom #2, Upper Bunk		
Stateroom #2, Lower Bunk		
Stateroom #3, Upper Bunk		
Stateroom #3, Lower Bunk		
LOWER DECK	NAME	FOOD ALLERGIES/PREFERENCES
Stateroom #4, Upper Bunk 1		
Stateroom #4, Upper Bunk 2		
Stateroom #4, Lower Bunk 1		
Stateroom #4, Lower Bunk 2		
Stateroom #6, Upper Bunk 1		
Stateroom #6, Upper Bunk 2		
Stateroom #6, Lower Bunk 1		
Stateroom #6, Lower Bunk 2		
Stateroom #7, Upper Bunk		
Stateroom #7, Lower Bunk		