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

If you are interested in promoting your cruise on line please contact Virginia Schutte, LUMCON's social media officer (vschutte@lumcon.edu)

BASIC INFO	
Briefly Describe the main objective(s) of your cruise:	
Submitter's Name:	
Submitter's Email:	
Submitters Phone:	
Chief Scientist's Name:	
Chief Scientist's Email:	
Chief Scientist's Phone:	
Funding Agency:	
Individual responsible for any additional costs:	

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 $925 per day		
Would you like a 2nd technician at an additional cost of $925 per day?	Yes ◯	No ◯

SATELLITE INTERNET		
*The vessel is equipped with a VSAT satellite system with a bandwidth of 1024kbps download speed and 512kbps upload speed. This is included in the standard		
Be aware that this bandwidth is shared between the entire crew and science party		
This results in a significantly slower internet speed than what most are accustomed to on shore		
****Bandwidth can be doubled to 2024kbps download and 1024kbps upload for an additional $45 per day****		
Do you require additional internet bandwidth at an additional $45 per day?	Yes ◯	No ◯

ARRIVAL, MOBILIZATION/DEMOBILIZATION	
Contact Joe Malbrough, jmalbrough@lumcon.edu - (985) 851-2808, for all MOB/DEMOB pricing	
Mobilization at LUMCON will be charged at the standard MOB rate	
Mobilization at any other port may be charged as additional sea days due to vessel transit times required	
****If you require dormatory/apartment space at LUMCON please contact Reservations (985-851-2800, reservations@lumcon.edu)****	
Minimum time required for loading/unloading:	
Number of Science Party Vehicles **(Park in Designated Areas only):**	
Number in scientific party:	
Select Desired Port for Mobilization	
LUMCON: 8124 Hwy 56, Chauvin, LA 70344	○
Port of Gulfport: 1000 30th Ave, Gulfport, MS 39501	○
Texas A&M Galveston: 200 Seawolf Pkwy, Galveston, TX 77554	○
Other, Please Specify	○
Science Party Arrival Date & Time at the Dock (mm/dd/yyy HH:MM):	
Cruise Departure Date & Time (mm/dd/yyy HH:MM):	
Cruise Return Date & Time (mm/dd/yyy HH:MM):	
Science Party Departure Date & Time at the Dock (mm/dd/yyy HH:MM):	
Select Desired Port for DeMobilization	
LUMCON: 8124 Hwy 56, Chauvin, LA 70344	○
Port of Gulfport: 1000 30th Ave, Gulfport, MS 39501	○
Texas A&M Galveston: 200 Seawolf Pkwy, Galveston, TX 77554	○
Other, Please Specify	○
The vessel is equipped with a ship's crane capable of lifting up to 6,800lbs at no extra charge. A larger crane can be rented at a rate of $1400 per 4 hours. Do you require a larger crane for heavier loads?	Yes ○ No ○
How heavy is your lift?	

CTD/ROSETTE SYSTEM	
LUMCON Supplies scientific instrumentation is calibrated according to manufacturer recommendation. Field calibrations are the responsibility of the scientific party	
The science party is responsible for providing personnel for all overboard deployment and retreival of all science gear. At least 2 able bodied individuals are needed for each watch to deploy and receive CTDs, corers, etc.	
The ship will provide 1 person for each watch to run necessary winches and other deck gear.	
R/V Pelican is equipmed 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 Do you wish to use the standard CTD package during you cruise?	Yes ◯ No ◯
What is your deepest anticipated CTD cast depth?	
YOU MAY SELECT UP TO 5 AUXILIARY SENSORS	
Beam Transmission, WETLabs CStar, 25-centimeter path length, 6,000m DEPTH RATING	☐
Beam Transmission, WETLabs CStar, 10 centimeter path length, 600m DEPTH RATING	☐
Flourometer: Chlorophyll a, Chelsea Aquatracka III, 6,000m DEPTH RATING	☐
Fluorometer: Chlorophyll a, Wetlabs Wetstar Mini Flourometer, 600m DEPTH RATING	☐
Flourometer: Clorophyll a, Seapoint, 6,000m DEPTH RATING	☐
Flourometer: UV/CDOM, WETLabs CD-2000, 2,000m DEPTH RATING	☐
Flourometer: UV, Chelsea Aquatracka III, 6,000m DEPTH RATING	☐
Flourometer: UV, Seapoint, 6,000m DEPTH RATING	☐
Optical Backscatterance Sensor, D&A Model OBS-3+, 1,000m DEPTH RATING	☐
PAR, Biospherical Instruments QSP-2300, 2,000m DEPTH RATING	☐
pH and RedoxSeabird SBE27, 1,200m DEPTH RATING **(Requires 2 positions, if selected you can ONLY pick 3 more)**	☐
THE FOLLOWING SENSORS CAN BE ADDED TO THE CTD UPON REQUEST IN ADDITION TO THE 5 AUXILIARY SENSORS	
WETLabs AC-9, 9 wavelengths spectral transmittance & absorption, ***500m DEPTH RATING***	☐
SPAR, Biospherical Instruments Surface PAR	☐
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)	◯
Seabird SBE32 24 position 10L bottle carousel (240-L total capacity)	◯
No Preferance	◯

SCS UNDERWAY DATA ACQUISITION AND FLOW-THROUGH SEAWATER		
The vessel's seawater intake is located 2.75m (9ft) below the water's surface		
The seawater system can provide flow rates up to 7.5 L/min (2 gal/min) depending on location of scientific equipment and number of connections		
Science party is responsible for providing all hoses and splitters needed to connect to the Flow-Through system		
Do you require scientific seawater connections in the Bottle Lab?	Yes ◯	No ◯
If yes, do you require seawater that has gone through our debubbler?	Yes ◯	No ◯
How many scientific seawater connections do you need in the Bottle Lab?		
Do you require seawater on deck for incubators?	Yes ◯	No ◯
How many seawater connections do you need on deck?		
The Vessel's SCS Underway Data Acquisition System Includes the Following Oceanographic and Meterological Sensors. Do you wish to use this system?		
Sea-bird Electronics SBE 21 Thermosalinograph for Temperature, Conductivity, and Salinity		
WetStar Fluorometer for Chlorophyl a		
Biospherical Surface PAR		
Deepwater Echosounder		
R.M. Young 05103 Wind Monitor for Wind Speed and Direction (Relative and True):	Yes ◯	No ◯
Vaisala Barometric Pressure sensor		
Vaisala Air Temperature and Relative Humidity sensor		
R.M. Young 92000 Response-One All-in-One Weather Sensor (Air temp, humidity, barometer, wind)		
In addition, you may select one of the following transmissometer for the flow-through system:		
WETLabs C-STAR 25-centimeter path length transmissometer (Recommended for relatively clearer water)	◯	
WETLabs C-STAR 10-cm path length Transmissometer (Recommended for relatively turbid/cloudy water)	◯	

ACOUSTIC DOPPLER CURRENT PROFILER (ADCP)	
The vessel utilizes University of Hawaii Data Acquisition System (UHDAS) to collect and process ADCP data.	
Documentation can be found at the following website	
https://currents.soest.hawaii.edu/docs/adcp_doc/codas_doc/index.html	
For more information contact: uhdas@hawaii.edu	
	Select Desired ADCP Frequencies
1200kHz RDI Workhorse Mariner (Recommended for 3-15m depth)	☐
300kHz RDI Workhorse Mariner (Recommended for 10-60m depth)	☐
75kHz RDI Ocean Surveyor (Recommended for 50-700m depth)	☐

CORING/BOTTOM SAMPLING	
ALL Science Personnel MUST have steel, composite, or other safety-toed boots and gloves to participate in coring/bottom sampling operations	
LUMCON provides coring/bottom sampling devices only. Science party is responsible for providing all core tubes, liners, extruding stands, etc.	
Do you plan to core/bottom sample during this cruise?	Yes ◯ No ◯
If yes, what is the deepest anticipated sampling depth?	
Select desired coring/bottom sampling device(s)	
0.1 m2 Gomex type Stainless Steel Box Grab	☐
Bauma 0.25 m2 Stainless Steel spade footbox grab with 3 boxes	☐
Benthos Gravity Corer (Recommended core liners: 10ft length, 2.5in ID, amd 2.75in OD)	☐
Ocean Instruments MC-800 Multi-corer Deep Ocean Sediment Sampler	☐
Box Dredge	☐

ADDITIONAL INSTRUMENTATION & EQUIPMENT	
How many cu. ft. of freezer space do you require?	
How many cu. ft. of refrigeration space do you require?	
Select Additional Equipment/Instrumentation Required:	
Tracklink USBL for tracking equipment like ROVs. One 6000m depth, 5000m slant range transponder (2 pieces, 50lbs total weight) *If calibration is required, this takes at least 6hours to complete at full depth on location for best results*	☐
Thermo/Barnstead mn 7155 Reverse Osmosis type I water purifier:	☐
Barnsted Nanopure Diamond Ultrapure 18.2MOhm water:	☐
Sippican MK12 Expendable Bathythermograh System (XBT) with hand-held launcher (Science Party must provide probes):	☐
Lab Van 20'X8' Air Conditioned, running water, 120VAC, hepa-filter air, and small refridgerator:	☐
Will you be bringing chemicals on board the vessel? **(Science party must bring SDS sheets for all chemicals)**	Yes ◯ No ◯
RS-232 NMEA serial data feeds are available upon request (I.e. GPS, Gyro compass, etc.)	
Do you require NMEA serial data feeds?	Yes ◯ No ◯
Select location for NMEA data feeds:	
Wet Lab	☐
Dry Lab	☐
Other	☐
What NMEA sentence strings do you require?	
GGA	☐
GLL	☐
RMC	☐
HDT	☐
Other	☐

POWER/VOLTAGE SUPPLY	
120VAC at 20amp is supplied throughout the vessel. Other voltages may be provided upon request	
Do you require additional voltage(s)	Yes ◯ No ◯
How many connections do you require?	
Desired Voltage, Phase, and Amperage?	
	Select Location for Additional Voltage?
Back Deck	☐
0/1 Deck	☐
Wet Lab	☐
Dry Lab	☐
Other	☐

RADIOISOTOPE WORK	
USERS OF THE RADIOISOTOPE VAN MUST PERFORM A MANDATORY PRE AND POST CRUISE SWAB TEST BEFORE DEPARTING THE VESSEL	
Use of Rad Van requires large crane rental. Scientists are responsible for crane cost listed above in section 3	
NSF funded users must receive approval from their NSF project managers. All other users will be charged an additional $127 per day plus shipping (if needed) for Rad Van use	
****Please refer to use and handling of isotopes in the UNOLS Research Vessel Safety Standards****	
*****Radioisotope users must contact Dr. Brian Roberts, LUMCON's Radiation Safety Officer, for approval at: broberts@lumcon.edu*****	
Do you require a Radioisotope Van?	Yes ◯ No ◯
	Select the size Rad Van you need
10'X8' Rad Van	◯
20'x8' Rad Van (*If you select this van you CANNOT select the 20'X8' Laboratory Van listed above*)	◯

SMALL BOATS	
Small boat operations are required for SCUBA diving operations	
Small boat operations MUST be approved by the captain of the vessel	
The R/V Pelican must be anchored or drifting, NOT under power, during small boat deployment/retrieval	
****Once deployed, the R/V Pelican CANNOT be brought under power until the small boat is at LEAST 500m away***	
*****Daytime operations ONLY. Small boat use at night is PROHIBITED*****	
Do you require a small boat during your cruise?	Yes ◯ No ◯
	Select which small boat you require
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	

UNMANNED AIRCRAFT SYSTEMS (UAS) - AKA 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 occuring during a scientific cruise as well as inform the captain at the end of the flight		
Do you plan to bring and operate a UAS/drone during this cruise?	Yes ◯	No ◯

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		
Do you plan to dive during this cruise?	Yes ◯	No ◯
Do you require an air compressor for filling tanks? ($100 per day)	Yes ◯	No ◯
Do you require SCUBA cylinders? ($5 per tank per day)	Yes ◯	No ◯
If yes, how many SCUBA cylinders do you require?		

ADDITIONAL INFORMATION
Providing a list of wayoint Lat/Longs ahead of time will save time at the beginning of your cruise
The best way to create a .kml file is to enter your waypoints into GoogleEarth, assign names, and then save to your computer. GoogleEarth will automatically save in a format that can import directly into our system.
Please send your waypoint list to marinetech@lumcon.edu along with this completed form.
Please list all dietary restrictions/allergies for your science party members below:
Provide any additional notes/comments/requests below:

UNOLS Cruise Personnel Manifest

Send completed form to:	dropbox@rvdata.us
Subject Line:	[CALLSIGN] Personnel Manifest

Ship*	*R/V Pelican*		
Cruise ID*	(To be filled out by LUMCON Personnel)		
Cruise Title*			
Start Date:*		**End Date:***	
Start Port:*		**End Port:***	

Cruise Party Information

Last Name*	First Name*	Institution*	Role* (DROP DOWN)	Gender* (DROP DOWN)