

# R/V POINT SUR 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

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\*\*\*

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**

Port of Gulfport: 1000 30th Ave, Gulfport, MS 39501

LUMCON: 8124 Hwy 56, Chauvin, LA 70344

Texas A&M Galveston: 200 Seawolf Pkwy, Galveston, TX 77554

Other, Please Specify

Science Party Arrival Date & Time at the Dock (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 the Dock (mm/dd/yyyy HH:MM):

**Select Desired Port for DeMobilization**

Port of Gulfport: 1000 30th Ave, Gulfport, MS 39501

LUMCON: 8124 Hwy 56, Chauvin, LA 70344

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 6,000lbs 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 retrieval 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 Point Sur 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 Tri-Tech Altimeter, SPAR, Biospherical Instruments Surface PAR, and Seabird SBE32 12 position 12L bottle carousel (144-L total capacity)  
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

Fluorometer: Chlorophyll a, Wetlabs ECOFL, 6,000m DEPTH RATING

Fluorometer: UV/CDOM, WETLabs CD-2000, 2,000m 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**)

**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 Main 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 Main 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 Meteorological Sensors. Do you wish to use this system?**

Sea-bird Electronics SBE 21 Thermosalinograph for Temperature, Conductivity, and Salinity  
Wetlabs Fluorometer for Chlorophyll a  
WETLabs C-STAR 25-centimeter path length transmissometer  
Biospherical Surface PAR  
Deepwater Echosounder

Yes

No

R.M. Young 05103 Wind Monitor for Wind Speed and Direction (Relative and True)

R.M. Young Barometric Pressure sensor

R.M. Young Air Temperature and Relative Humidity sensor

R.M. Young 92000 Response-One All-in-One Weather Sensor (Air temp, humidity, barometer, wind)

**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](https://currents.soest.hawaii.edu/docs/adcp_doc/codas_doc/index.html)

\*\*For more information contact: uhdas@hawaii.edu\*\*

**Select Desired ADCP Frequencies**

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

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:**

Barnstead Bpure De-Ionizing type I water purifier

Sippican MK12 Expendable Bathythermograph 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

**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

Main 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

**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/](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\*\*\*

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 waypoint 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](mailto: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:**

