

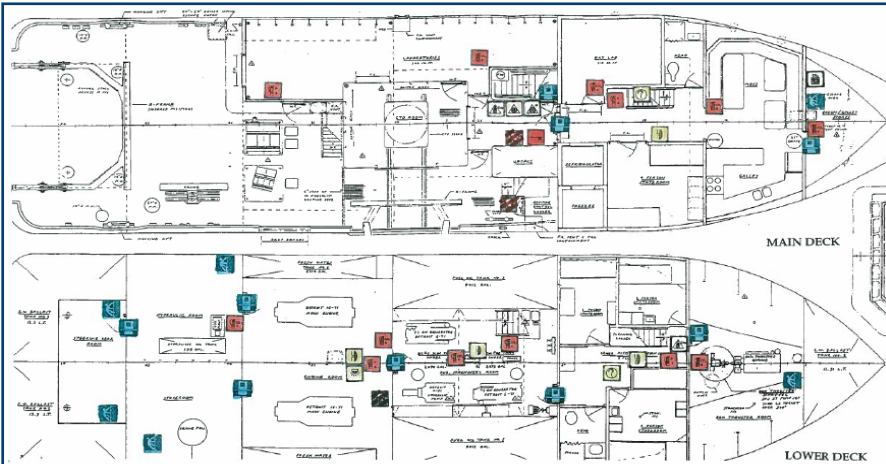


# R/V Weatherbird

[fio.usf.edu/services/rv-weatherbird/](http://fio.usf.edu/services/rv-weatherbird/)



The R/V Weatherbird II is the flagship of the FIO fleet. The 115-foot, 194-ton vessel is equipped with advanced laboratories, oceanographic devices and sensor technology designed to enable scientists and students to study and learn about various aspects of the ocean's biological, chemical, geological and physical characteristics. Researchers use the vessel to support advanced studies on the myriad of complex issues impacting global and coastal oceans, as well as life in the sea. The Weatherbird II has berths for 13 people, 780 square feet of working deck space, 200 square feet of wet laboratory space and is capable of voyaging throughout the Gulf of Mexico and Caribbean.



## **Specifications:**

- Beam: 28 ft (8.5m)
- Draft: 8'6" (2.6m)
- Cruising Speed: 10 knots
- Maneuvering Speed: .5-10 knots
- Cruising Range: 3500 miles (5630 km)
- Endurance: 12 days
- Main Engines: (2) Cummins QSK19 680 HP (Refit in 2015)
- Generators: Twin GM 6-71, 75 kW
- 110 and 208 VAC—100 amp Electrical System
- Crew Berths: 7, Scientific Berths: 13
- Working Deck Area: 780 sq. ft (72.5 sq m)
- 200 Sq. ft. Wet Lab & CTD Garage
- Potable Water: 5,000 gallons, Water Makers Inc. 1,000 gal/day

- AIS equipped (Furuno FA-150)
- Nav: Trimble SPS356 GNSS, Garmin GPS, Northstar 941x
- KVH V7 Mini-VSAT Broadband, Iridium ITU1000, Sirius/XM
- Port and Starboard side pole mount receivers on main deck
- Bow thruster: Shottel SPJ57 azimuthing thruster
- Fresh & saltwater in labs and on main deck
- Aft Winch: Dynacon cantilever winch;
- Starboard A-Frame winches: Marco hydraulic research winch, SeaMac hydro winch
- Main winch: 3/8", 3x19 torque balanced wire rope
- Aft frame: 14.5' W x 23'H, SWL: 10,000 lbs.
- Side A-Frame (starboard): 11'W x 18' H, SWL: 3350 lbs. 1/4" wire rope
- Appleton FB30-46 articulating hydraulic crane, SWL: 10,000 lbs.
- 2 refrigerators, 2 freezers including one for science in main lab

R/V Weatherbird II		\$8,8000/Day*
<b>115-foot (35 meter) Research Vessel</b>		*COVID-19 Discounted Rate
<b>Includes:</b> <ul style="list-style-type: none"> <li>•Fuel for 24/7 operation</li> <li>•Meals (minimum of 3/day including snacks)</li> <li>•Lubricants and various supplies as needed (listed below)</li> <li>•Insurance coverage</li> <li>•Crew assistance– loading/unloading equipment (up to 2 hours)</li> <li>•Crew of 6</li> </ul>		No additional cost
•Marine Technician		\$1,200/day
•Mobilization/Demobilization (additional charge applied if loading/unloading takes more than 2 hours and requires FIO crew)		\$1,800/day (Beyond 2 hours allotted)
•Transit Day(s)		Half of Day Rate
<b>On-Board Equipment:</b> <ul style="list-style-type: none"> <li>•Seabird SBE25 CTD w/ SBE43 dissolved oxygen sensor, Wetlabs FLNTURTD and FLCDRTD optical sensors Biospherical PAR sensor</li> <li>•CTD Winch: 3000 meters .322 electro-mechanical wire, (max cap: 4000 m)</li> <li>•SBE32 Carousel and SBE33 deckbox with 12, 12-liter Teflon lined water sampler bottles</li> <li>•SBE 21 Thermosalinograph with Wetstar Fluorometer</li> <li>•Port and Starboard Vaisala WTX520A meteorological sensors</li> <li>•36" Air Science Chemical Fume Hood</li> <li>•Ribcraft 4.7m RHIB, 60 hp</li> <li>•Foster Science fridge/freezer</li> <li>•DAS, NOAA SCS Data System with expandable ports</li> <li>•Ship-wide network</li> <li>•300 kHz and RDI Teledyne ADCPs</li> <li>•Kongsberg EK60 Echosounder 38kHz transducer</li> </ul> <b>Available by request:</b> <ul style="list-style-type: none"> <li>•VideoRay Pro-3 ROV (depth capable of 100m)</li> <li>•13' Boston Whaler</li> <li>•30-foot otter trawls</li> <li>•Plankton nets, Neuston net frame, and Bongo frame with 333um nets</li> <li>•Various sediment grabs</li> <li>•Capetown dredge</li> <li>•Secchi Disk</li> <li>•Refractometer</li> <li>•Aquaria with air pumps</li> </ul>		No additional cost
<b>Additional Equipment Available:</b> <ul style="list-style-type: none"> <li>•Multibeam mapping, dual head Teledyne/RESON w/ POS-MV*</li> <li>•VideoRay Defender ROV (depth capable of 300m)*</li> <li>•Scuba Tanks</li> </ul> <p>*= requires Marine Technician</p>		<ul style="list-style-type: none"> <li>•\$3500 - mob/de-mob</li> <li>•\$250/day</li> <li>•\$7/cylinder, \$5/air fill</li> </ul>