



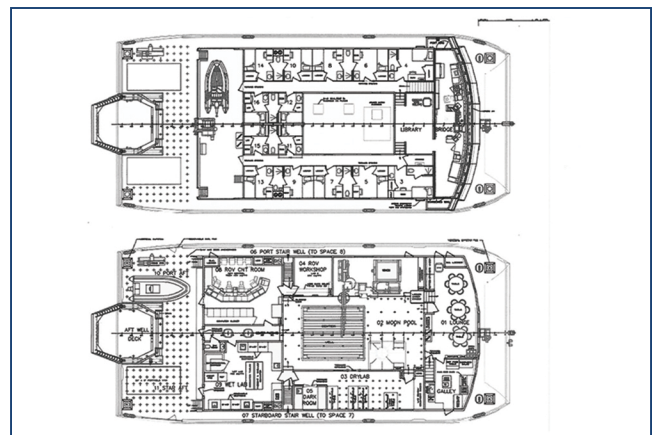
# R/V WESTERN FLYER

[fio.usf.edu/research-vessels/r-v-western-flyer](http://fio.usf.edu/research-vessels/r-v-western-flyer)



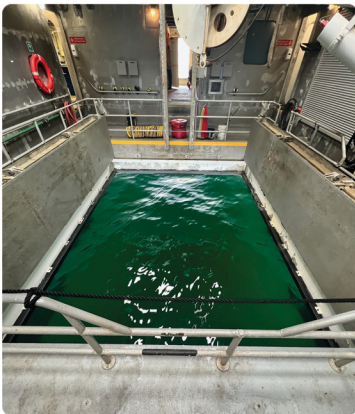
## R/V WESTERN FLYER

FIO's newest and largest addition. The 117-foot SWATH vessel is equipped with berths for 10 crew and 15- 16 scientists (depending on use of Marine Tech), wet and dry labs, moon pool & control room for ROV operations, dynamic positioning system, A-frame, and more. Contact [fio@usf.edu](mailto:fio@usf.edu)



## FEATURES

- BEAM: 53 FT
- DRAFT: 12 FT
- CRUISING SPEED: 9 KNOTS
- ENDURANCE: 21-DAY, 3,000 MILES
- A-FRAME: 14 x 13FT, SWL: 13,000 LBS
- TWO CRANES, CTD WINCH, AND ROV UMBILICAL SYSTEM
- 15 x 18 FT MOON POOL WITH RETRACTABLE DOORS
- WET AND DRY LABS WITH CHEMICAL STORAGE AND FUME HOOD
- ROV CONTROL ROOM w/ SEATING FOR 8
- WALK-IN COLD & ISOLATED DARK ROOMS
- CHILLED SEAWATER SYSTEM
- ISOTROPIC VSAT BROADBAND, INTERNET ACCESS 24/7



# R/V Western Flyer

## 117-foot (35.6 meter) Research Vessel

### Includes:

Fuel for 24/7 operation  
Meals (minimum of 3/day including snacks)  
Various supplies as needed (listed below)  
Insurance coverage  
Crew of 10

Marine Technician: Additional Cost (see Rate Sheet)

### On-Board:

HIAB 290 Stern Deck Crane  
Seabird SBE25 CTD w/ SBE43 dissolved oxygen sensor, Wetlabs FLNTURTD and FLCDRTD optical sensors Biospherical PAR sensor\*  
SBE32 Carousel and SBE33 deckbox with 12, 12-liter Teflon lined water sampler bottles\*  
Dynacon CTD Winch: 6,500 meters .322 electro-mechanical wire  
SBE 21 Thermosalinograph with Fluorometer\*  
Ribcraft 5.85M rescue boat & two 25-person Viking IBA rafts with portable radios  
Science refrigerators and freezers  
Knudsen 3208R Depth Sounder (5000m range)\*  
Sonardyne USBL positioning system

### Available by request:

VideoRay Pro-4 ROV\* (40m tether)  
VideoRay Defender Mission Specialist Series ROV\* (300m tether) with manipulator, Tritec Gemini Sonar and Tritec MicroNav USBL  
Ocean Instruments MC-800 Multi Corer (FIO does not stock core tubes and extractor)  
30-foot otter trawls  
Plankton nets, Neuston net frame, and Bongo frame with various nets  
Various sediment grabs  
Capetown dredge  
Secchi Disk  
Refractometer  
Aquaria with air pumps  
Two 16x8 custom science vans for lab space needs

### Coming Soon:

Purpose-built ROV to be deployed via moon pool  
DAS, NOAA SCS Data System with expandable ports  
Multibeam mapping, dual head Teledyne/RESON w/ POS-MV