



SSR SURVEY LTD.

Science & Technology in a Marine Environment



R/V DEEP OCEAN SURVEYOR



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VESSEL SPECIFICATIONS

R/V DEEP OCEAN SURVEYOR

Type:	Research Vessel (R/V)
Official Number	Panama Off# 41433-MI
Home Port	Fort Pierce Florida
Year Built/ Last Major Upgrade	1971/1985/2005 upgrades
Class	ABS Loadline
Operational Area	SOLAS Unrestricted Ocean Service
Length	182.0 ft
Breadth	38.0 ft
Draft (summer load)	9.0 ft
ITC Tonnage (Gross / Net)	609 Gross / 182 Net
Back Deck Space	100ft x 28ft
Main engines	2 x Caterpillar Model 399 TA Caterpillar
Total Horsepower	2,250 hp
Bow Thruster	1 (6-71)
Generators	2 (6-71 100 kw each)
Cruising Speed	10 Knots
Consumption	75-120 GPH
Endurance / Range	75 days
Fuel Oil	76,000 W/ DDY Tanks
Lube & Hydraulic Oil	600 gal / 150 gal
Potable water	84,000 gal in 4 tanks
Watermaker	(1) 650 gal/day
Dive Locker	HP Compressor / Scuba & Safety equipment
Safety Boats	3
A-Frame / Cranes	10 ton vessel crane with 40ft reach / 3 ton Hiab 5 ton stern A-frame
Communications	KVH Fleet broadband 500 (internet & satphone) Iridium Satphones(2)
Air Conditioning / Heating	Central
Staterooms/Berths	8/24
Additional Features / Rooms	Entertainment room / lounge (upper deck) Workout Gym (below Deck)



VESSEL BACK DECK EQUIPMENT

Back Deck Equipment / Handling Systems



Back Deck Equipment / Handling Systems



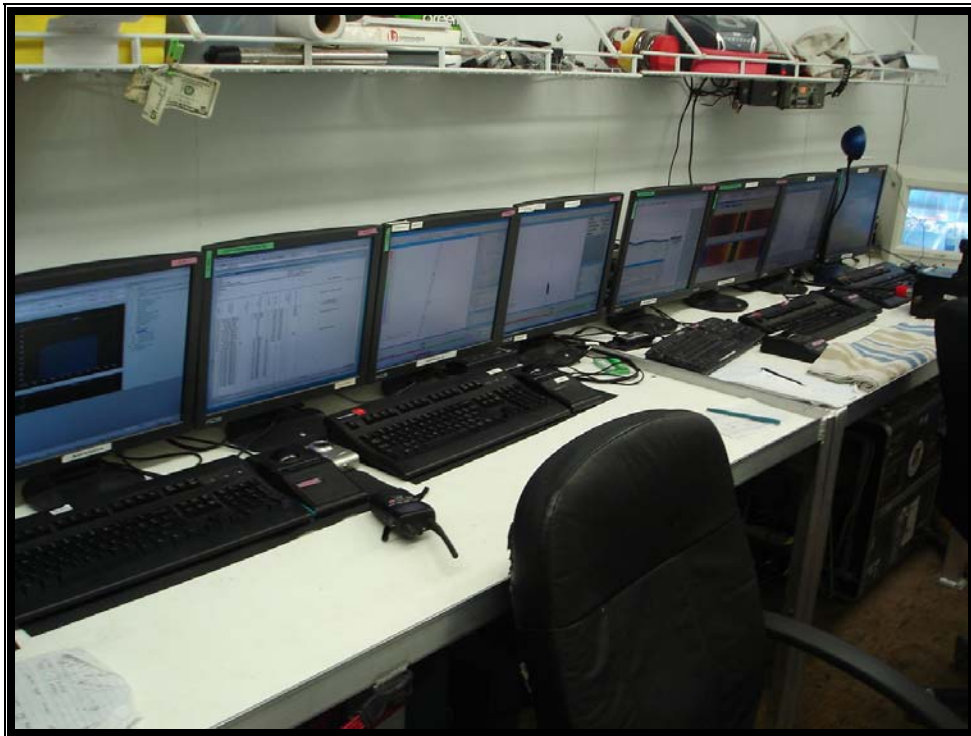


SURVEY & PROCESSING ROOMS

Survey & Processing Containers



Survey Room





SURVEY EQUIPMENT

R/V DEEP OCEAN SURVEYOR

R/V Deep Ocean Surveyor 182'

- Survey / Processing Containers
- 10-Ton Vessel Crane / 3 -Ton Hiab Sea Crane
- 5-Ton A-Frame

Positioning / Navigation Equipment

- C-NAV GPS/DGPS System
- Trimble 12 Channel dual frequency receivers c/w US coast guard DGPS
- Sonardyne USBL System
- Hypack Max Navigation System

Hydrographic Equipment

Multibeam Equipment

- SeaBat 8150 Deepwater Multibeam System 12/24 khz
- Elac 1180 Multibeam System (c/w spare topside) 180 khz
- Survey poles and mounts
- TSS DMS05 motion sensor
- Meridian Gyro-compass
- Velocity Profiler with winch/wire
- Sippican XBT Launcher & Probes

Geophysical Equipment

- Edgetech DT-2 Combined SSS/SBP System 100/410 khz
- Edgetech DT-1 System (spare)
- Deeptow sonar winch with 7500m .68 co-ax cable
- Digital cable counters

Geotechnical Equipment

- 2m Gravity Drop Core (c/w core liners & catchers)
- Geotechnical Coring Winch (3000m 1/2" coring wire)
- Geotechnical testing equipment

Computer Software / Digital Acquisition & Processing Systems

- CARIS HIPS / SIPS multibeam processing system
- Hydrostar multibeam acquisition computer
- Discovery Sonar/Seismic Acquisition System
- Triton Delph Map Sonar Processing System
- Triton SB-Interpreter Seismic Processing System
- AutoChart Ver. 5 Charting System