

JOHNSON-SEA-LINK I

J-S-L I underwent routine maintenance of all systems from Nov. 2001 to Feb. 2002 before beginning the operating season in March 2002. J-S-L I has completed 4,390 dives to date.

In addition to normal maintenance, the power distribution system was upgraded to the new HBOI-designed power bottles and all associated cabling to improve reliability and replace obsolete power blocks. Also, a new set of main battery cells was installed.

During the 2001 season, the sub's video system was upgraded to a digital camera with 850 lines of resolution. The camera is configured so that full factory controls are available to the pilot in addition to a data overlay system. The camera housing is mounted to an HBOI-designed electrical pan and tilt mechanism with two green lasers for scaling purposes. The pan and tilt is mounted on a three-function hydraulically operated boom that provides the operator with a wide variety of camera and lighting positions.

Also during the 2001 season, J-S-L I was outfitted with the new Sunwest SS-300 CTFM Sonar system with a 12" display monitor.



JOHNSON-SEA-LINK II

J-S-L II underwent major maintenance from Nov. 01 to April 02. During that time, all systems were serviced or replaced. The pilot sphere was replaced incorporating a redesigned hatch and lower penetrator. All of the internal high-pressure valves, tubing and fittings were replaced. All external valves, tubings and fittings were rebuilt, pressure tested or replaced. The submersible's hydraulic system was overhauled.

In addition to the general maintenance, a new Sunwest SS-300 CTFM Sonar was installed with a 12" display monitor to match J-S-L I.

Sea trials are scheduled for the first week of May with an ABS certification dive at the end of those trials. J-S-L II has completed 3,252 dives to date.



CLELIA

CLELIA underwent **routine maintenance** during Jan-March 02 and successfully completed an ABS Special Periodical Survey with the exception of the test dive scheduled for the Summer/Fall of 2002.

CLELIA has completed **625 dives** to date and supported operations for NOAA's Ocean Exploration Program in 2001.

All **thrusters** on the three subs **underwent preventative maintenance**.



HARBOR BRANCH OCEANOGRAPHIC INSTITUTION, INC.

OPERATIONS SCHEDULE

2002

R/V SEWARD JOHNSON

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
JANUARY	MAINTENANCE																																				
FEBRUARY	DRYDOCK / MAINTENANCE																																				
MARCH	DRYDOCK / MAINTENANCE																																				
APRIL	DRYDOCK / MAINTENANCE																																				
MAY										Taylor, NAVO N. Fla/Jax - 15 days																											
JUNE			Transit	Pawlik/NSF Bahamas - 14 Days													Transit														Transit 4 Days		Port Gloucester	Youngbluth - (JSL) 2 Days			
JULY	Youngbluth/NSF -(JSL) Gulf of Maine - 11 Days										Port Gloucester	Transit to Ft. Pierce 4 days														Ocean Exploration / NOAA (JSL) 10 days											
AUGUST	Ocean Exploration / NOAA (JSL)																																				
SEPTEMBER					Mob 4 days				Stottlemyer, NUWC Charleston-21 days																Demob 2 days												
OCTOBER																			Transit 4 Days		Port Gloucester	Ruppel/NSF Gulf of Mexico - 13 Days															
NOVEMBER	Port Gloucester	Transit 4 Days																																			
DECEMBER		Training (JSL/ROV) Bahamas - 12 days																																			

PROPOSED SCHEDULE PENDING CONTRACT AND GRANT AWARDS

ONR = Office of Naval Research -42 days NOT FOR PUBLICATION

NSF = National Science Foundation - 62 days Marine Operations

NOAA = 41 days Other - 12 days

TOTAL DAYS = 157 Date: 5/1/02 SUPERSEDES ALL PREVIOUS SCHEDULES

Maintainance
 Surface Ops
 Sub Ops

HARBOR BRANCH OCEANOGRAPHIC INSTITUTION, INC.

OPERATIONS SCHEDULE

2002

R/V SEWARD JOHNSON II

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																								
JANUARY	Drydock																																																						
FEBRUARY	Maintenance																																																						
MARCH	Transit to Gulfport NSF 7 days					Young, NSF/HBOI (JSL) Gulf of Mexico - 7 days							P	Trans it to Ft. Pierce NSF 4 days				Tran To HE(HBOI)																																					
APRIL																																																							
MAY	ABS (JSL II) Bahamas 6 days																																																						
JUNE	Roberts, LSU G of Mex-3 days			Tran frm sta-LSU	Gulfport LSU	Gulfport DOE	Tran to sta DOE	MacDonald, DOE (JSL) Gulf of Mexico - 5 days					Transit from station DOE	Gulf- port DOE	Gulf- port NSF	Trans to sta NSF	Fisher, NSF/OE (JSL) Gulf of Mexico - 10 days					Zhang, UMS (JSL) GOM - 2	Trans frm sta UMS	Gulf- port NSF																															
JULY	Gulf- port NSF	Trans to sta/NSF	Ruppel, NSF (JSL) GOM - 2 days		Sobecky, NSF/OE (JSL) Gulf of Mexico - 16 days											Trans frm sta- NSF	Gulf- port NSF	Transit to Ft. Pierce NSF-4 days																																					
AUGUST	T NSF	Pomponi, HBOI (11 days) / Lopez, NSF/HBOI (5 days) (JSL) Fla/Ga Coast - 16 days														T NSF																																							
SEPTEMBER	Youngbluth, NSF/HBOI (JSL) Gulf of Maine - 22 days																					P	Transit to Ft. Pierce NSF 4 days																																
OCTOBER			Transit to Gulfport NSF 4 days			P	Young, NSF/OE (JSL) Gulf of Mexico - 10 days							P	Transit to Ft. Pierce NSF 4 days																																								
NOVEMBER																																																							
DECEMBER	Training (JSL/ROV) Bahamas - 12 days																																																						

PROPOSED SCHEDULE PENDING CONTRACT AND GRANT AWARDS

NOT FOR PUBLICATION

NSF = National Science Foundation - 120 days

State = 21 days

Other =46 days

TOTAL = 187 Days

Marine Operations

5/1/02

SUPERSEDES ALL

Date

PREVIOUS SCHEDULES

Maintenance

Sub Ops