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**R/V SEWARD JOHNSON
 1991 SCHEDULE FINAL
 Date Revised: January 10, 1992**

CRUISE DATES	MAP INDEX/AREA/PURPOSE	P.I./INSTITUTION/PROPOSAL NO.	PORTS	DAYS/AGENCY/STATUS
01 JAN 28 FEB	/FT. PIERCE MAINTENANCE	/HBOI	FT. PIERCE FT. PIERCE	/HBOI/
20 MAR 02 APR	NA7/ TRANSIT	NONE/HBOI CADIZ	FT. PIERCE	14/HBOI/F
03 APR 24 APR	NA7/ALBORAN SEA BIOLUMINESCENCE	WIDDER/HBOI N00014-90-J-1819	CADIZ CADIZ	22/ONR/ NORDA
25 APR 25 APR	NA7/PORT	SHIP OPS CADIZ	CADIZ	1/HBOI/F
26 APR 29 APR	NA7/ TRANSIT	NONE/HBOI NICE	CADIZ	4/HBOI/F
30 APR 30 APR	NA8/PORT	YOUNGBLUTH/HBOI NICE	NICE	1/HBOI/F
01 MAY 10 MAY	NA8/LIGURIAN SEA WATER COL.ECOL.	YOUNGBLUTH/HBOI	NICE NICE	10/HBOI/F
11 MAY 13 MAY	NA8/PORT	SHIP OPS NICE	NICE	3/HBOI/F
14 MAY 14 MAY	NA8/ TRANSIT	LAPOINTE/HBOI PALMA	NICE	1/HBOI/F
15 MAY	NA8/PORT	LAPOINTE/HBOI	PALMA	1/HBOI/F

15 MAY		PALMA		
16 MAY	NA8/W. MED	LAPOINTE/HBOI	PALMA	3/HBOI/F
18 MAY	BIOLOGY	PALMA		
19 MAY	NA8/PORT	SHIP OPS	PALMA	1/HBOI/F
19 MAY		PALMA		
20 MAY	NA8/	POMPONI/HBOI	PALMA	3/HBOI/F
22 MAY	TRANSIT	ROTA		
23 MAY	NA8/	POMPONI/HBOI	ROTA	2/HBOI/F
24 MAY	TRANSIT	FUNCHAL		
25 MAY	NA10/PORT	POMPONI/HBOI	FUNCHAL	1/HBOI/F
25 MAY		FUNCHAL		
26 MAY	NA10/E. ATLANTIC	POMPONI/HBOI	FUNCHAL	7/HBOI/F
01 JUN	BIOMEDEDICAL		FUNCHAL	
02 JUN	NA10/E.ATLANTIC	POMPONI/HBOI	FUNCHAL	2/HBOI/F
03 JUN	TRANSIT	LAS PALMAS		
04 JUN	NA10/PORT	SHIP OPS	LAS PALMAS	1/HBOI/F
04 JUN		LAS PALMAS		
05 JUN	NA10/E. ATLANTIC	OMPONI/HBOI	LAS PALMAS	12/HBOI/F
16 JUN	BIOMEDICAL		LAS PALMAS	
17 JUN	NA10/PORT	SHIP OPS	LAS PALMAS	1/HBOI/F
17 JUN		LAS PALMAS		
18 JUN	NA10/E.ATLANTIC	NONE/HBOI	LAS PALMAS	13/HBOI/F
30 JUN	TRANSIT	FT. PIERCE		
07 JUL	NA6/FLA-GA.	HULBERT/UNC-W	FT. PIERCE	16/NOAA/F *
22 JUL	BIOGEOCHEMISTRY	PO #200375	MOREHEAD CITY	
23 JUL	NA6/N.CAROLINA	HULBERT/UNC-W	MOREHEAD CITY	24/NOAA/F 15 AUG
	BIOGEOCHEMISTRY	PO #200375	FT. PIERCE	
19 AUG	NA9/G. MEXICO	HULBERT/UNC-W	FT. PIERCE	53/NOAA/F *
10 OCT	BIOGEOCHEMISTRY	PO #200375	FT. PIERCE	
18 OCT	NA9/BAHAMAS	YOUNG/HBOI	FT. PIERCE	10/NSF/F
27 OCT	LARVAL ECOLOGY	OCE 89-16264	FREEPORT	
28 OCT	NA9/BAHAMAS	MESSING/NOVA	FREEPORT	2/NSF/F
29 OCT	ECHINOID RESEARCH	EAR 9004232	FT. PIERCE	

04 NOV	NA9/BAHAMAS	SHIP OPS	FT. PIERCE	12/HBOI/F
15 NOV	TRAINING	FT. PIERCE		
18 NOV	/FT. PIERCE	OPEN FOR ASSIGNMENT	FT. PIERCE	/HBOI/ *
31 DEC				

12 NSF 186 OTHER 22 NAVY 220 TOTAL DAYS

Optimum operating days = 275 Break even days = 220

1991	NSF	NAVY	OTHER	TOTAL	
Ship Days	12	22	186	220	7800*
Cost K\$	93.6	171.6	1450.8	1716.0	

*All costs, optimum and break even days, are based on ship only.
JOHNSON-SEA-LINK submersibles not included in ship rates.