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**UNIVERSITY OF MIAMI
 ACTUAL SHIP OPERATING SCHEDULE
 FOR CY1991 ORV COLUMBUS ISELIN**

CRUISE MAP INDEX/ DATES	AREA/ PURPOSE	P.I./INSTITUTION/ PROPOSAL NO.	PORTS AGENCY/ STATUS	DAYS/ NO.	CRUISE NO.
08 JAN 26 JAN	NA9/E.CARIB/ CURRENT METERS	JOHNS,B/RSMAS/ OCE-8917618	MIAMI ST.CROIX	19/NSF/F	CI9101
27 JAN 27 JAN	NA9/ST. CROIX/ CHANGE PI'S	NONE/NONE/ OCE-SHIPOP	ST.CROIX ST.CROIX	1/NSF/F	CI9101
28 JAN 17 FEB	NA9/CARIB,BAHAMAS/ PLANKTON	CAPONE,D/U.MD./ OCE-9012199	ST.CROIX MIAMI	21/NSF/F	CI9102
26 FEB 01 MAR	NA9/FLA.STRAITS/ CHEMISTRY	ZIKA,R/RSMAS/ NOO014-89-J-1142	MIAMI MIAMI	4/ONR/F	CI9103
30 MAR 06 APR	NA9/33N-65W/ MOORINGS	LEAMAN,K/RSMAS/ OCE-8818346	MIAMI MIAMI	8/NSF/F	CI9104
11 APR 13 MAY	NA9/BARBADOS/ CTD	COWEN,R/SUNY/ OCE-8911120	MIAMI MIAMI	33/NSF/F	CI9105
17 MAY 29 MAY	NA9/G.MEXICO/ CTD BIOCHEMISTRY	JONES,R/FIU/ OCE-8922815	MIAMI MIAMI	13/NSF/F	CI9106
07 JUN 27 JUN	NA9/CARIB./ CHEMISTRY	FENICAL,B/SIO/ CHE-9008621	MIAMI MIAMI	21/NSF/F	CI9107

23 JUL	NA9/BAHAMAS/	DeFERRARI,H/RSMAS/	MIAMI	4/ONR/F	CI9108
26 JUL	ACOUSTICS	N00014-89-J-1926	MIAMI		
07 AUG	NA9/BAHAMAS/	DeFERRARI,H/RSMAS	MAIMI	3/ONR/F	CI9109
09 AUG	ACOUSTICS	N00014-89-J-1926	MIAMI		
13 AUG	NA9/G.MEX,BAH./	JONES,R/FIU/	MIAMI	13/NSF/F	CI9110
25 AUG	CTD,BIOCHEMISTRY	OCE-8922815	MIAMI		
29 AUG	NA9/CARIB.BAH/	CAPONE,D/U.MD./	MIAMI	21/NSF/F	CI9111
18 SEP	PLANKTON	OCE-9012199	MIAMI		
22 SEP	NA9/NORTH BRAZIL/	KATZ,E/LDGO/	MIAMI	21/NSF/F	CI9112
12 OCT	MOORINGS	OCE-8911671	BELEM		
13 OCT	NA10/AMAZON PLUME/	NONE/NONE/	BELEM	1/NSF/F	CI9113
13 OCT	AMASSEDs IN PORT	OCE-SHIPOP			
14 OCT	NA10/AMAZON PLUME/	NITTROUER,C/SUNY/	BELEM	10/NSF/F	CI9113
23 OCT	AMASSEDs LEG 1	OCE-8812530	BELEM		
24 OCT	NA10/AMAZON PLUME	NONE/NONE/	BELEM	1/NSF/F	CI9113
24 OCT	AMASSEDs IN PORT	OCE-SHIPOP			
25 OCT	NA10/AMAZON PLUME/	NITTROUER,C/SUNY/	BELEM	9/NSF/F	CI9113
02 NOV	AMASSEDs LEG 2	OCE-8812530	BELEM		
03 NOV	NA10/AMAZON PLUME/	NONE/NONE/	BELEM	2/NSF/F	CI9113
04 NOV	AMASSEDs IN PORT	OCE-SHIPOP			
05 NOV	NA10/AMAZON PLUME/	NITTROUER,C/SUNY/	BELEM	9/NSF/F	CI9113
13 NOV	AMASSEDs LEG 3	OCE-8812530	BELEM		
14 NOV	NA10/AMAZON PLUME/	NONE/NONE/	BELEM	1/NSF/F	CI9113
14 NOV	AMASSEDs IN PORT	OCE-SHIPOP			
15 NOV	NA10/AMAZON PLUME	NITTROUER,C/SUNY/	BELEM/	9/NSF/F	CI9113
23 NOV	AMASSEDs LEG 4	OCE-8812530	BELEM		
24 NOV	NA10/AMAZON PLUME/	NONE/NONE/	BELEM	2/NSF/F	CI9113
25 NOV	AMASSEDs IN PORT	OCE-SHIPOP			
26 NOV	NA9/S.ATLANTIC/	NONE/NONE/	BELEM	9/NSF/F	CI9113
04 DEC	TRANSIT	OCE-SHIPOP	MIAMI		
05 DEC	NA9/S.ATLANTIC/	DRUFFEL,E/		4/NSF/F	CI9114
06/DEC	AMAZON PLUME	OCE-SHIPOP	MIAMI		

NSF ONR TOTAL

TOTAL 228 11 239