

APPENDIX XV

1996 Cruise Report Summaries

[Cruise Day Profiles](#)

[Sea Day Profiles](#)

PRELIMINARY														PAGE 1	
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -														UNOLS OFFICE	
CRUISE DAY PROFILES														DATE: 11/13/96	
AGENCY	PHYS. OCEAN	ACOUS- TICS	CHEM. OCEAN	BIOL. OCEAN	ENVIR. ECOL.	FISH. INVST	CLIM. METEO	GEOLO GEOPH	MAP CHRTG	OCEAN ENGIN	TRAIN- ING	TRANS. NONSCI	POLL. ASSESS	OTHER	TOTAL
National Science Foundation	909.30	2.00	263.00	1074.50	.00	.00	.00	786.00	.00	10.00	12.00	16.00	.00	176.00	3248.80
Office of Naval Research	319.00	29.00	43.00	14.00	.00	.00	.00	85.00	.00	107.00	.00	.00	.00	35.00	632.00
U.S. Geological Survey	.00	.00	.00	.00	.00	.00	.00	24.00	.00	.00	3.00	.00	.00	.00	27.00
Bureau of Land Management/Minerals Mgmt. Service	20.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	20.00
National Oceanic and Atmospheric Administration	31.50	.00	19.50	192.00	.00	.00	.00	31.00	.00	.00	.00	37.00	.00	8.00	319.00
Department of Energy (ERDA)	3.00	.00	2.00	5.00	.00	.00	.00	7.00	.00	.00	.00	.00	.00	.00	17.00
Other Federal	19.00	5.00	.00	.00	.00	.00	.00	11.00	.00	.00	.00	.00	.00	.00	35.00
State/Municipal	55.00	.00	.00	12.00	.00	5.50	.00	18.50	.00	.00	29.00	.00	.00	19.00	139.00
Other/Private	87.00	10.00	4.50	132.50	2.00	.00	.00	135.50	22.00	9.00	5.50	15.00	.00	5.00	428.00
TOTALS	1443.80	46.00	332.00	1430.00	2.00	5.50	.00	1098.00	22.00	126.00	49.50	68.00	.00	243.00	4865.80
PERCENT	29.67	.95	6.82	29.39	.04	.11	.00	22.57	.45	2.59	1.02	1.40	.00	4.99	100.00

PRELIMINARY														PAGE 2	
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -														UNOLS OFFICE	
CRUISE DAY PROFILES														DATE: 11/13/96	
INSTITUTION	PHYS. OCEAN	ACOUS- TICS	CHEM. OCEAN	BIOL. OCEAN	ENVIR. ECOL.	FISH. INVST	CLIM. METEO	GEOLO GEOPH	MAP CHRTG	OCEAN ENGIN	TRAIN- ING	TRANS. NONSCI	POLL. ASSESS	OTHER	TOTAL
University of Hawaii	105.00	.00	.00	.00	.00	.00	.00	43.00	.00	.00	.00	.00	.00	47.00	195.00
University of Alaska	77.00	.00	.00	28.00	.00	.00	.00	39.00	.00	.00	.00	.00	.00	.00	144.00
University of Washington	116.00	.00	34.00	220.00	.00	.00	.00	27.00	.00	1.00	11.00	.00	.00	1.00	410.00
Oregon State University	75.00	16.00	.00	9.00	.00	.00	.00	42.00	.00	3.00	.00	.00	.00	.00	145.00
Scripps Institution of Oceanography	168.00	10.00	53.00	198.00	.00	.00	.00	239.00	.00	5.00	3.00	.00	.00	6.00	682.00
Texas A & M University	.00	.00	.00	2.00	.00	.00	.00	95.00	.00	.00	8.00	9.00	.00	8.00	122.00
University of Texas	20.00	.00	.00	31.00	.00	.00	.00	.00	.00	.00	13.00	.00	.00	8.00	72.00
University of Miami, RSMAS	8.00	2.00	4.00	16.00	.00	.00	.00	7.00	.00	3.00	.00	4.00	.00	3.00	47.00
University of Georgia, Skidaway	.00	.00	4.00	72.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	77.00
Duke University/University of North Carolina	28.00	8.00	44.00	49.00	.00	.00	.00	29.00	.00	.00	11.00	7.00	.00	.00	176.00
University of Delaware	26.00	.00	49.00	97.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	26.00	198.00
Lamont-Doherty Geological Observatory	7.00	.00	.00	.00	.00	.00	.00	275.00	.00	.00	.00	.00	.00	28.00	310.00
University of Rhode Island	89.00	.00	.00	139.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	228.00
Woods Hole Oceanographic Institution	492.00	.00	2.00	51.00	.00	.00	.00	217.00	.00	24.00	.00	.00	.00	71.00	857.00
University of Michigan	.00	.00	.00	26.00	.00	5.50	.00	55.50	.00	.00	3.50	.00	.00	.00	90.50
Moose Landing Marine Laboratory	10.00	.00	22.00	82.00	.00	.00	.00	15.00	.00	.00	.00	.00	.00	35.00	164.00
Louisiana Universities Marine Consortium	53.00	10.00	.00	78.00	2.00	.00	.00	.00	22.00	.00	.00	17.00	.00	2.00	184.00
Harbor Branch Oceanographic Institution	128.80	.00	30.00	315.00	.00	.00	.00	14.50	.00	85.00	.00	31.00	.00	8.00	610.30
Bermuda Biological Station for Research	41.00	.00	90.00	17.00	.00	.00	.00	.00	.00	5.00	.00	.00	.00	1.00	154.00
TOTALS	1443.80	46.00	332.00	1430.00	2.00	5.50	0.00	1098.00	22.00	126.00	49.50	68.00	0.00	243.00	4865.80
PERCENT	29.67	0.95	6.82	29.39	0.04	0.11	0.00	22.57	0.45	2.59	1.02	1.40	0.00	4.99	100.00

PRELIMINARY														PAGE 3	
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -														UNOLS OFFICE	
CRUISE DAY PROFILES														DATE: 11/13/96	
VESSELS	PHYS.	ACOUS-	CHEM.	BIOI.	ENVIR.	FISH.	CLIM.	GEOLO	MAP	OCEAN	TRAIN-	TRANS.	POLL.	OTHER	TOTAL
	OCEAN	TICS	OCEAN	OCEAN	ECOL.	INVT	METEO	GEOPH	CHRTG	ENGIN	ING	NONSCI	ASSESS		
MELVILLE	32.00	0.00	47.00	21.00	0.00	0.00	0.00	197.00	0.00	0.00	0.00	0.00	0.00	0.00	297.00
KNORR	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	350.00
T.THOMPSON	114.00	0.00	33.00	161.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	333.00
EWING	7.00	.00	.00	.00	.00	.00	.00	275.00	.00	.00	0.00	.00	.00	28.00	310.00
MOANA WAVE	105.00	.00	.00	.00	.00	.00	.00	43.00	.00	.00	0.00	.00	.00	47.00	195.00
ATLANTIS II	25.00	0.00	2.00	51.00	0.00	0.00	0.00	196.00	0.00	0.00	0.00	0.00	0.00	46.00	320.00
WEDOMA	75.00	16.00	0.00	9.00	0.00	0.00	0.00	42.00	0.00	3.00	0.00	0.00	0.00	0.00	145.00
ENDEAVOR	89.00	0.00	0.00	139.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228.00
OCEANUS	127.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	24.00	0.00	0.00	0.00	15.00	187.00
SEWARD JOHNSON	85.00	0.00	0.00	176.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	271.00
GYRE	.00	.00	.00	2.00	.00	.00	.00	95.00	.00	.00	8.00	9.00	.00	8.00	122.00
NEW HORIZON	96.00	5.00	6.00	95.00	0.00	0.00	0.00	36.00	0.00	0.00	2.00	0.00	0.00	0.00	240.00
COLUMBUS ISELIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.00
EDWIN LINK	30.80	0.00	27.00	62.00	0.00	0.00	0.00	14.50	0.00	3.00	0.00	21.00	0.00	0.00	158.30
POINT SUR	10.00	0.00	22.00	82.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	35.00	164.00
CAPE HATTERAS	28.00	8.00	44.00	49.00	0.00	0.00	0.00	29.00	0.00	0.00	11.00	7.00	0.00	0.00	176.00
ALPHA HELIX	77.00	0.00	0.00	28.00	0.00	0.00	0.00	39.00	0.00	0.00	0.00	0.00	0.00	0.00	144.00
ROBERT G. SPROUL	40.00	5.00	0.00	82.00	0.00	0.00	0.00	6.00	0.00	5.00	1.00	0.00	0.00	6.00	145.00
CAPE HENLOPEN	26.00	0.00	49.00	97.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	198.00
WEATHERBIRD II	41.00	.00	90.00	17.00	.00	.00	.00	.00	.00	5.00	.00	.00	.00	1.00	154.00
SEA DIVER	13.00	.00	3.00	77.00	.00	.00	.00	.00	.00	82.00	.00	.00	.00	6.00	181.00
PELICAN	53.00	10.00	.00	78.00	2.00	.00	.00	.00	22.00	.00	.00	17.00	.00	2.00	184.00
LAURENTIAN	0.00	0.00	0.00	26.00	0.00	5.50	0.00	55.50	0.00	0.00	3.50	0.00	0.00	0.00	90.50
LONGHORN	20.00	.00	.00	31.00	.00	.00	.00	.00	.00	.00	13.00	.00	.00	8.00	72.00
BLUE FIN	.00	.00	4.00	72.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	77.00
CLIFFORD A. BARNES	2.00	0.00	1.00	59.00	0.00	0.00	0.00	2.00	0.00	1.00	11.00	0.00	0.00	1.00	77.00
CALANUS	8.00	2.00	4.00	16.00	0.00	0.00	0.00	7.00	0.00	3.00	0.00	4.00	0.00	3.00	47.00
TOTALS	1443.80	46.00	332.00	1430.00	2.00	5.50	.00	1098.00	22.00	126.00	49.50	68.00	.00	243.00	4865.80
PERCENT	29.67	.95	6.82	29.39	.04	.11	.00	22.57	.45	2.59	1.02	1.40	.00	4.99	100.00

PRELIMINARY											PAGE 4	
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -											UNOLS OFFICE	
OPERATIONAL DAYS CHARGED BY SPONSOR											DATE: 11/13/96	
INSTITUTION	NATL	OFF.	U.S.	MIN.	NATL.	DEPT.	OTHER	STATE	PRIV/	TOTAL		
	SCI.	NAVAL	GEOL.	MGMT.	OCEAN.	OF	FEDER.	OR	FORGN.			
	FNDTN	RES.	SURV.	SERV.	ATM AD.	ENERGY	FUNDS	MUNIC.	FUNDS			
University of Hawaii	171.00	.00	.00	.00	5.00	.00	19.00	.00	.00	195.00		
University of Alaska	89.00	19.00	.00	.00	.00	.00	.00	1.00	35.00	144.00		
University of Washington	276.00	114.00	.00	.00	.00	6.00	.00	14.00	.00	410.00		
Oregon State University	70.00	75.00	.00	.00	.00	.00	.00	.00	.00	145.00		
Scripps Institution of Oceanography	528.00	74.00	.00	20.00	.00	.00	5.00	55.00	.00	682.00		
Texas A & M University	.00	24.00	.00	.00	.00	.00	.00	20.00	78.00	122.00		
University of Texas	38.00	5.00	.00	.00	.00	.00	.00	30.00	1.00	72.00		
University of Miami, RSMAS	21.00	6.00	.00	.00	10.00	7.00	.00	.00	3.00	47.00		
University of Georgia, Skidaway	74.00	.00	.00	.00	.00	3.00	.00	.00	.00	77.00		
Duke University/University of North Carolina	125.00	8.00	21.00	.00	.00	1.00	10.00	.00	11.00	176.00		
University of Delaware	173.00	25.00	.00	.00	.00	.00	.00	.00	.00	198.00		
Lamont-Doherty Geological Observatory	250.00	.00	.00	.00	.00	.00	.00	.00	60.00	310.00		
University of Rhode Island	191.00	37.00	.00	.00	.00	.00	.00	.00	.00	228.00		
Woods Hole Oceanographic Institution	771.00	61.00	.00	.00	20.00	.00	.00	.00	5.00	857.00		
University of Michigan	79.00	.00	.00	.00	.00	.00	.00	9.00	2.50	90.50		
Moss Landing Marine Laboratory	110.00	32.00	6.00	.00	.00	.00	1.00	9.00	6.00	164.00		
Louisiana Universities Marine Consortium	.00	38.00	.00	.00	93.00	.00	.00	1.00	52.00	184.00		
Harbor Branch Oceanographic Institution	133.80	114.00	.00	.00	191.00	.00	.00	.00	171.50	610.30		
Bermuda Biological Station for Research	151.00	.00	.00	.00	.00	.00	.00	.00	3.00	154.00		
TOTALS	3248.80	632.00	27.00	20.00	319.00	17.00	35.00	139.00	428.00	4865.80		
PERCENT	66.77	12.99	.55	.44	6.66	.35	.72	2.86	8.80	100.00		

PRELIMINARY											
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -											PAGE 5
OPERATIONAL DAYS CHARGED BY SPONSOR											UNOLS OFFICE
											DATE: 11/13/96
VESSELS	LENGTH	NATL	OFF.	U.S.	MIN.	NATL.	DEPT.	OTHER	STATE	PRIV/	TOTAL
		SCI.	NAVAL	GEOL.	MGMT.	OCEAN.	OF	FEDER.	OR	FORGN.	
		FNDTN	RES.	SURV.	SERV.	ATM AD.	ENERGY	FUNDS	MUNIC.	FUNDS	
MELVILLE	279 FT	257.00	35.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	297.00
KNORR	279 FT	350.00	.00	.00	.00	.00	.00	.00	.00	.00	350.00
T. THOMPSON	274 FT	219.00	114.00	.00	.00	.00	.00	.00	.00	.00	333.00
EWING	239 FT	250.00	.00	.00	.00	.00	.00	.00	.00	80.00	310.00
MOANA WAVE	210 FT	171.00	.00	.00	.00	5.00	.00	19.00	.00	.00	195.00
ATLANTIS II	210 FT	297.00	1.00	.00	.00	20.00	.00	.00	.00	2.00	320.00
WECOMA	184 FT	70.00	75.00	.00	.00	.00	.00	.00	.00	.00	145.00
ENDEAVOR	184 FT	191.00	37.00	.00	.00	.00	.00	.00	.00	.00	228.00
GYRE	182 FT	.00	24.00	.00	.00	.00	.00	.00	20.00	78.00	122.00
OCEANUS	177 FT	124.00	80.00	.00	.00	.00	.00	.00	.00	.00	187.00
SEWARD JOHNSON	204 FT	81.00	35.00	.00	.00	66.00	.00	.00	.00	88.00	271.00
NEW HORIZON	170 FT	193.00	5.00	.00	.00	.00	.00	5.00	34.00	.00	240.00
COLUMBUS ISELIN	170 FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	0.00
EDWIN LINK	168 FT	21.80	.00	.00	.00	75.00	.00	.00	.00	61.50	158.30
POINT SUR	135 FT	110.00	32.00	6.00	.00	.00	.00	1.00	9.00	6.00	164.00
CAPE HATTERAS	135 FT	125.00	8.00	21.00	.00	.00	1.00	10.00	.00	11.00	176.00
ALPHA HELIX	133 FT	89.00	19.00	.00	.00	.00	.00	.00	1.00	35.00	144.00
ROBERT G. SPROUL	125 FT	78.00	31.00	.00	20.00	.00	.00	.00	16.00	.00	145.00
CAPE HENLOPEN	120 FT	173.00	25.00	.00	.00	.00	.00	.00	.00	.00	198.00
WEATHERBIRD II	115 FT	151.00	.00	.00	.00	.00	.00	.00	.00	3.00	154.00
SEA DIVER	113 FT	31.00	78.00	.00	.00	50.00	.00	.00	.00	22.00	181.00
LONGHORN	105 FT	35.00	5.00	.00	.00	.00	.00	.00	30.00	1.00	72.00
PELICAN	105 FT	.00	38.00	.00	.00	93.00	.00	.00	1.00	52.00	184.00
LAURENTIAN	80 FT	79.00	.00	.00	.00	.00	.00	.00	9.00	2.50	90.50
BLUE FIN	72 FT	74.00	.00	.00	.00	.00	3.00	.00	.00	.00	77.00
CLIFFORD A. BARNES	66 FT	57.00	.00	.00	.00	.00	6.00	.00	14.00	.00	77.00
CALANUS	64 FT	21.00	6.00	.00	.00	10.00	7.00	.00	.00	3.00	47.00
TOTALS		3248.80	632.00	27.00	20.00	319.00	17.00	35.00	139.00	428.00	4865.80
PERCENT		66.77	12.99	.55	.41	6.56	.35	.72	2.86	8.80	100.00

PRELIMINARY											
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -											PAGE 6
PROJECT PERSON-DAYS AT SEA BY SPONSOR											UNOLS OFFICE
											DATE: 11/13/96
VESSELS	LENGTH	NATL	OFF.	U.S.	MIN.	NATL.	DEPT.	OTHER	STATE	PRIV/	TOTAL
		SCI.	NAVAL	GEOL.	MGMT.	OCEAN.	OF	FEDER.	OR	FORGN.	
		FNDTN	RES.	SURV.	SERV.	ATM AD.	ENERGY	FUNDS	MUNIC.	FUNDS	
MELVILLE	279 FT	5022.00	983.00	.00	.00	.00	.00	.00	56.00	.00	6,061.00
KNORR	279 FT	9829.00	.00	.00	.00	.00	.00	.00	.00	.00	9,829.00
T. THOMPSON	274 FT	6699.00	2621.00	.00	.00	.00	.00	.00	.00	.00	9,320.00
EWING	239 FT	385.00	.00	.00	.00	.00	.00	.00	.00	110.00	495.00
MOANA WAVE	210 FT	2022.00	.00	.00	.00	90.00	.00	183.00	.00	.00	2,295.00
ATLANTIS II	210 FT	5878.00	23.00	.00	.00	350.00	.00	.00	.00	44.00	6,293.00
WECOMA	184 FT	874.00	1102.00	.00	.00	.00	.00	.00	.00	.00	1,976.00
ENDEAVOR	184 FT	2699.00	285.00	.00	.00	.00	.00	.00	.00	.00	2,984.00
GYRE	182 FT	.00	185.00	.00	.00	.00	.00	.00	422.00	1038.00	1,645.00
OCEANUS	177 FT	859.00	684.00	.00	.00	.00	.00	.00	.00	42.00	1,585.00
SEWARD JOHNSON	176 FT	1537.00	497.00	.00	.00	1119.00	.00	.00	.00	990.00	4,143.00
NEW HORIZON	170 FT	2196.00	88.00	.00	.00	.00	.00	45.00	581.00	14.00	2,924.00
ISELIN	170 FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	0.00
EDWIN LINK	168 FT	213.50	.00	.00	.00	798.00	.00	.00	.00	475.00	1,486.50
POINT SUR	135 FT	1186.00	309.00	78.00	.00	.00	.00	13.00	256.00	45.00	1,887.00
CAPE HATTERAS	135 FT	1284.00	88.00	183.00	.00	.00	3.00	100.00	.00	11.00	1,669.00
ALPHA HELIX	133 FT	1021.00	222.00	.00	.00	.00	.00	.00	18.00	335.00	1,596.00
ROBERT G. SPROUL	125 FT	680.00	218.00	.00	248.00	.00	.00	.00	165.00	9.00	1,320.00
CAPE HENLOPEN	120 FT	611.00	50.00	.00	.00	.00	.00	.00	.00	.00	681.00
WEATHERBIRD II	115 FT	743.00	.00	.00	.00	.00	.00	.00	.00	9.00	752.00
SEA DIVER	113 FT	213.00	312.00	.00	.00	339.00	.00	.00	.00	173.00	1,037.00
LONGHORN	105 FT	281.00	6.00	.00	.00	.00	.00	.00	180.00	40.00	507.00
PELICAN	105 FT	.00	502.00	.00	.00	798.00	.00	.00	10.00	115.00	1,425.00
LAURENTIAN	80 FT	631.50	.00	.00	.00	.00	.00	.00	76.00	34.50	742.00
BLUE FIN	72 FT	647.00	.00	.00	.00	.00	11.00	.00	.00	.00	658.00
CLIFFORD A. BARNES	66 FT	230.00	.00	.00	.00	.00	38.00	.00	164.00	.00	432.00
CALANUS	64 FT	73.00	40.00	.00	.00	54.00	35.00	.00	.00	41.00	243.00
TOTALS		45,812.00	8,215.00	261.00	248.00	3,548.00	87.00	341.00	1,928.00	3,525.50	63,965.50
PERCENT		71.62	12.84	.41	.39	5.55	.14	.53	3.01	5.51	100.00

PRELIMINARY										
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -										
UNOLS CRUISE PARTICIPANTS AND AFFILIATIONS										
PAGE 7										
UNOLS OFFICE										
DATE: 11/13/96										
VESSELS	SCI	TECH	GRAD	STU/ OBS	TOTAL	NON-OPER UNOLS	NON- UNOLS	FED	FRGN	TOTAL
										0.00
MELVILLE	85.00	68.00	72.00	39.00	264.00	21.00	27.00	2.00	30.00	80.00
KNORR	93.00	220.00	37.00	34.00	384.00	11.00	30.00	18.00	46.00	105.00
T. THOMPSON	104.00	183.00	46.00	8.00	341.00	60.00	24.00	10.00	6.00	100.00
EWING	119.00	96.00	20.00	22.00	257.00	11.00	21.00	5.00	55.00	92.00
MOANA WAVE	74.00	116.00	82.00	5.00	257.00	7.00	17.00	6.00	13.00	43.00
ATLANTIS II	133.00	208.00	89.00	15.00	425.00	25.00	57.00	19.00	38.00	139.00
WECOMA	47.00	66.00	29.00	22.00	164.00	10.00	40.00	31.00	.00	81.00
ENDEAVOR	119.00	102.00	36.00	13.00	270.00	13.00	18.00	48.00	8.00	87.00
OCEANUS	39.00	78.00	10.00	7.00	134.00	4.00	20.00	5.00	2.00	31.00
SEWARD JOHNSON	279.00	131.00	74.00	30.00	514.00	92.00	110.00	60.00	50.00	312.00
GYRE	64.00	120.00	38.00	33.00	255.00	19.00	13.00	7.00	21.00	60.00
NEW HORIZON	108.00	111.00	58.00	77.00	354.00	27.00	38.00	17.00	1.00	83.00
ISELIN	.00	.00	.00	.00	0.00	.00	.00	.00	.00	0.00
EDWIN LINK	138.00	40.00	55.00	29.00	282.00	33.00	104.00	12.00	16.00	165.00
POINT SUR	135.00	87.00	213.00	145.00	580.00	201.00	156.00	25.00	3.00	385.00
CAPE HATTERAS	87.00	66.00	70.00	51.00	274.00	87.00	53.00	35.00	3.00	178.00
ALPHA HELIX	76.00	37.00	31.00	11.00	155.00	5.00	42.00	1.00	40.00	88.00
ROBERT G. SPROUL	133.00	142.00	81.00	75.00	431.00	15.00	59.00	23.00	7.00	104.00
CAPE HENLOPEN	357.00	63.00	21.00	22.00	463.00	256.00	64.00	6.00	12.00	338.00
WEATHERBIRD II	437.00	93.00	251.00	37.00	818.00	38.00	35.00	3.00	16.00	92.00
SEA DIVER	55	21.00	9.00	55.00	141.00	31.00	58.00	31.00	2.00	122.00
PELICAN	75.00	35.00	19.00	.00	129.00	16.00	87.00	24.00	.00	127.00
LAURENTIAN	42.00	32.00	28.00	73.00	175.00	29.00	26.00	6.00	7.00	68.00
LONGHORN	45.00	26.00	54.00	89.00	214.00	.00	52.00	3.00	.00	55.00
BLUE FIN	70.00	42.00	41.00	36.00	189.00	6.00	58.00	1.00	.00	65.00
CLIFFORD A. BARNES	49.00	62.00	55.00	110.00	278.00	.00	12.00	.00	.00	12.00
CALANUS	25.00	21.00	26.00	37.00	109.00	1.00	.00	4.00	14.00	19.00
TOTALS	2989.00	2266.00	1505.00	1075.00	7835.00	1018.00	1221.00	402.00	390.00	3031.00
PERCENT	38.15	28.92	19.21	13.72	100.00	33.59	40.28	13.26	12.87	100.00

PRELIMINARY															PAGE 1
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -															UNOLS OFFICE
SEA DAY PROFILES															DATE: 11/13/96
AGENCY	PHYS. OCEAN	ACOUSTICS	CHEM. OCEAN	BIOL. OCEAN	ENVIR. ECOL.	FISH. INVST	CLIM. METEO	GEOLO. GEOPH	MAP. CHRTG	OCEAN. ENGIN	TRAINING	TRANS. NONSCI	POLL. ASSESS	OTHER	TOTAL
National Science Foundation	850.30	2.00	252.00	1039.50	0.00	0.00	0.00	720.00	0.00	10.00	12.00	15.00	0.00	166.00	3066.80
Office of Naval Research	282.00	29.00	39.00	14.00	0.00	0.00	0.00	83.00	0.00	84.00	0.00	0.00	0.00	35.00	566.00
U.S. Geological Survey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	3.00	0.00	0.00	0.00	24.00
Bureau of Land Management/Minerals Mgmt. Service	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00
National Oceanic and Atmospheric Administration	31.50	0.00	26.50	168.00	0.00	0.00	0.00	31.00	0.00	0.00	0.00	37.00	0.00	7.00	301.00
Department of Energy (ERDA)	3.00	0.00	2.00	5.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	17.00
Other Federal	19.00	5.00	0.00	0.00	0.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00
State/Municipal	55.00	0.00	0.00	12.00	0.00	5.50	0.00	18.50	0.00	0.00	29.00	0.00	0.00	19.00	139.00
Other/Private	81.00	10.00	4.50	129.50	2.00	0.00	0.00	125.50	20.00	9.00	5.50	15.00	0.00	14.00	416.00
TOTALS	1341.80	46.00	324.00	1368.00	2.00	5.50	0.00	1017.00	20.00	103.00	49.50	67.00	0.00	241.00	4584.80
PERCENT	29.3	1.0	7.1	29.8	0.0	0.1	0.0	22.2	0.4	2.2	1.1	1.5	0.0	5.3	100.0

PRELIMINARY															PAGE 2
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -															UNOLS OFFICE
SEA DAY PROFILES															DATE: 11/13/96
INSTITUTION	PHYS. OCEAN	ACOUSTICS	CHEM. OCEAN	BIOL. OCEAN	ENVIR. ECOL.	FISH. INVST	CLIM. METEO	GEOLO. GEOPH	MAP. CHRTG	OCEAN. ENGIN	TRAINING	TRANS. NONSCI	POLL. ASSESS	OTHER	TOTAL
University of Hawaii	101.00	.00	.00	.00	.00	.00	.00	37.00	.00	.00	.00	.00	.00	47.00	185.00
University of Alaska	74.00	.00	.00	27.00	.00	.00	.00	39.00	.00	.00	.00	.00	.00	.00	140.00
University of Washington	96.00	.00	31.00	201.00	.00	.00	.00	23.00	.00	1.00	11.00	.00	.00	1.00	364.00
Oregon State University	72.00	16.00	.00	9.00	.00	.00	.00	42.00	.00	3.00	.00	.00	.00	.00	142.00
Scripps Institution of Oceanography	165.00	10.00	45.00	197.00	.00	.00	.00	227.00	.00	5.00	3.00	.00	.00	6.00	658.00
Texas A & M University	.00	.00	.00	2.00	.00	.00	.00	90.00	.00	.00	8.00	9.00	.00	8.00	117.00
University of Texas	20.00	.00	.00	31.00	.00	.00	.00	.00	.00	.00	13.00	.00	.00	8.00	72.00
University of Miami, RSMAS	8.00	2.00	4.00	16.00	.00	.00	.00	7.00	.00	3.00	.00	4.00	.00	3.00	47.00
University of Georgia, Skidaway	.00	.00	4.00	72.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	77.00
Duke University/University of North Carolina	28.00	8.00	39.00	48.00	.00	.00	.00	26.00	.00	.00	11.00	8.00	.00	.00	166.00
University of Delaware	25.00	.00	49.00	97.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	25.00	198.00
Lamont-Doherty Geological Observatory	5.00	.00	.00	.00	.00	.00	.00	246.00	.00	.00	.00	.00	.00	27.00	279.00
University of Rhode Island	81.00	.00	.00	137.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	218.00
Woods Hole Oceanographic Institution	445.00	.00	2.00	48.00	.00	.00	.00	192.00	.00	23.00	.00	.00	.00	62.00	772.00
University of Michigan	.00	.00	.00	26.00	.00	5.50	.00	55.50	.00	.00	3.50	.00	.00	.00	90.50
Moss Landing Marine Laboratory	10.00	.00	22.00	81.00	.00	.00	.00	15.00	.00	.00	.00	.00	.00	35.00	163.00
Louisiana Universities Marine Consortium	51.00	10.00	.00	88.00	2.00	.00	.00	.00	20.00	.00	.00	17.00	.00	2.00	170.00
Harbor Branch Oceanographic Institution	117.80	.00	39.00	291.00	.00	.00	.00	17.50	.00	63.00	.00	31.00	.00	14.00	573.30
Bermuda Biological Station for Research	41.00	.00	89.00	17.00	.00	.00	.00	.00	.00	5.00	.00	.00	.00	1.00	153.00
TOTALS	1341.80	46.00	324.00	1368.00	2.00	5.50	0.00	1017.00	20.00	103.00	49.50	67.00	0.00	241.00	4584.80
PERCENT	29.27	1.00	7.07	29.84	.04	.12	.00	22.18	.44	2.25	1.08	1.46	.00	5.26	100.00

PRELIMINARY															PAGE 3
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -															UNOLS OFFICE
SEA DAY PROFILES															DATE: 11/13/96
VESSELS	PHYS.	ACOUS-	CHEM.	BIOL.	ENVIR.	FISH.	CLIM.	GEOLO	MAP	OCEAN	TRAIN-	TRANS.	POLL.	OTHER	TOTAL
	OCEAN	TICS	OCEAN	OCEAN	ECOL.	INVT	METEO	GEOPH	CHRTG	ENGIN	ING	NONSCI	ASSESS		
MELVILLE	29.00	.00	39.00	20.00	.00	.00	.00	185.00	.00	.00	.00	.00	.00	.00	273.00
KNORR	303.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10.00	313.00
T. THOMPSON	94.00	.00	30.00	144.00	.00	.00	.00	21.00	.00	.00	.00	.00	.00	.00	289.00
EWING	6.00	.00	.00	.00	.00	.00	.00	246.00	.00	.00	.00	.00	.00	27.00	279.00
MOANA WAVE	101.00	.00	.00	.00	.00	.00	.00	37.00	.00	.00	.00	.00	.00	47.00	185.00
ATLANTIS II	22.00	.00	2.00	48.00	.00	.00	.00	171.00	.00	.00	.00	.00	.00	37.00	280.00
WECOMA	72.00	16.00	.00	9.00	.00	.00	.00	42.00	.00	3.00	.00	.00	.00	.00	142.00
ENDEAVOR	81.00	.00	.00	137.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	218.00
OCEANUS	120.00	.00	.00	.00	.00	.00	.00	21.00	.00	23.00	.00	.00	.00	15.00	179.00
SEWARD JOHNSON	73.00	.00	.00	158.00	.00	.00	.00	.00	.00	.00	.00	10.00	.00	.00	239.00
GYRE	.00	.00	.00	2.00	.00	.00	.00	90.00	.00	.00	8.00	9.00	.00	8.00	117.00
NEW HORIZON	96.00	5.00	6.00	95.00	.00	.00	.00	36.00	.00	.00	2.00	.00	.00	.00	240.00
COLUMBUS ISELIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDWIN LINK	33.80	.00	36.00	64.00	.00	.00	.00	17.50	.00	3.00	.00	21.00	.00	.00	175.30
POINT SUR	10.00	.00	22.00	81.00	.00	.00	.00	15.00	.00	.00	.00	.00	.00	35.00	163.00
CAPE HATTERAS	28.00	8.00	39.00	48.00	.00	.00	.00	26.00	.00	.00	11.00	6.00	.00	.00	166.00
ALPHA HELIX	74.00	.00	.00	27.00	.00	.00	.00	39.00	.00	.00	.00	.00	.00	.00	140.00
ROBERT G. SPROUL	40.00	5.00	.00	82.00	.00	.00	.00	6.00	.00	5.00	1.00	.00	.00	8.00	145.00
CAPE HENLOPEN	26.00	.00	49.00	97.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	28.00	198.00
WEATHERBIRD II	41.00	.00	89.00	17.00	.00	.00	.00	.00	.00	5.00	.00	.00	.00	1.00	153.00
SEA DIVER	11.00	.00	3.00	71.00	.00	.00	.00	.00	.00	60.00	.00	.00	.00	14.00	159.00
PELICAN	51.00	10.00	.00	68.00	2.00	.00	.00	.00	20.00	.00	.00	17.00	.00	2.00	170.00
LAURENTIAN	.00	.00	.00	26.00	.00	5.50	.00	55.50	.00	.00	3.50	.00	.00	.00	90.50
LONGHORN	20.00	.00	.00	31.00	.00	.00	.00	.00	.00	.00	13.00	.00	.00	8.00	72.00
BLUE FIN	.00	.00	4.00	72.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00	77.00
CLIFFORD A. BARNES	2.00	.00	1.00	57.00	.00	.00	.00	2.00	.00	1.00	11.00	.00	.00	1.00	75.00
CALANUS	8.00	2.00	4.00	16.00	.00	.00	.00	7.00	.00	3.00	.00	4.00	.00	3.00	47.00
TOTALS	1341.80	46.00	324.00	1368.00	2.00	5.50	.00	1017.00	20.00	103.00	49.50	67.00	.00	241.00	4584.80
PERCENT	29.27	1.00	7.07	29.84	.04	.12	.00	22.18	.44	2.25	1.08	1.48	.00	5.28	100.00

PRELIMINARY											PAGE 4
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -											UNOLS OFFICE
SEA DAYS CHARGED BY SPONSOR											DATE: 11/13/96
INSTITUTION	NATL	OFF.	U.S.	MIN.	NATL.	DEPT.	OTHER	STATE	PRIV/	TOTAL	
	SCI.	NAVAL	GEOL.	MGMT.	OCEAN.	OF	FEDER.	OR	FORGN.		
	FNDTN	RES.	SURV.	SERV.	ATM AD.	ENERGY	FUNDS	MUNIC.	FUNDS		
										.00	
University of Hawaii	161.00	.00	.00	.00	5.00	.00	19.00	.00	.00	185.00	
University of Alaska	87.00	19.00	.00	.00	.00	.00	.00	1.00	33.00	140.00	
University of Washington	250.00	94.00	.00	.00	.00	6.00	.00	14.00	.00	364.00	
Oregon State University	69.00	73.00	.00	.00	.00	.00	.00	.00	.00	142.00	
Scripps Institution of Oceanography	508.00	70.00	.00	20.00	.00	.00	5.00	55.00	.00	658.00	
Texas A & M University	.00	22.00	.00	.00	.00	.00	.00	20.00	75.00	117.00	
University of Texas	36.00	5.00	.00	.00	.00	.00	.00	30.00	1.00	72.00	
University of Miami, RSMAS	21.00	6.00	.00	.00	10.00	7.00	.00	.00	3.00	47.00	
University of Georgia, Skidaway	74.00	.00	.00	.00	.00	3.00	.00	.00	.00	77.00	
Duke University/University of North Carolina	118.00	8.00	18.00	.00	.00	1.00	10.00	.00	11.00	166.00	
University of Delaware	173.00	25.00	.00	.00	.00	.00	.00	.00	.00	198.00	
Lamont-Doherty Geological Observatory	226.00	.00	.00	.00	.00	.00	.00	.00	53.00	279.00	
University of Rhode Island	188.00	30.00	.00	.00	.00	.00	.00	.00	.00	218.00	
Woods Hole Oceanographic Institution	691.00	60.00	.00	.00	17.00	.00	.00	.00	4.00	772.00	
University of Michigan	79.00	.00	.00	.00	.00	.00	.00	9.00	2.50	90.50	
Moss Landing Marine Laboratory	109.00	32.00	6.00	.00	.00	.00	1.00	9.00	6.00	163.00	
Louisiana Universities Marine Consortium	.00	36.00	.00	.00	.00	83.00	.00	1.00	50.00	170.00	
Harbor Branch Oceanographic Institution	126.80	86.00	.00	.00	186.00	.00	.00	.00	174.50	573.30	
Bermuda Biological Station for Research	150.00	.00	.00	.00	.00	.00	.00	.00	3.00	153.00	
TOTALS	3066.80	566.00	24.00	20.00	301.00	17.00	35.00	139.00	416.00	4584.80	

PRELIMINARY											PAGE 5
UNOLS RESEARCH VESSELS FLEET OPERATIONS - 1995 -											UNOLS OFFICE
SEA DAYS CHARGED BY SPONSOR											DATE: 11/13/96
VESSELS	LENGTH	NATL.	OFF.	U.S.	MIN.	NATL.	DEPT.	OTHER	STATE	PRIV/	TOTAL
		SCI.	NAVAL	GEOL.	MGMT.	OCEAN.	OF	FEDER.	OR	FORGN.	
		FNDTN	RES.	SURV.	SERV.	ATM AD.	ENERGY	FUNDS	MUNIC.	FUNDS	
MELVILLE	279 FT	237.00	31.00	.00	.00	.00	.00	.00	5.00	.00	273.00
KNORR	279 FT	313.00	.00	.00	.00	.00	.00	.00	.00	.00	313.00
T. THOMPSON	274 FT	195.00	94.00	.00	.00	.00	.00	.00	.00	.00	289.00
EWING	239 FT	225.00	.00	.00	.00	.00	.00	.00	.00	53.00	279.00
MOANA WAVE	210 FT	151.00	.00	.00	.00	5.00	.00	19.00	.00	.00	185.00
ATLANTIS II	210 FT	251.00	1.00	.00	.00	17.00	.00	.00	.00	1.00	280.00
ENDEVOUR	184 FT	188.00	30.00	.00	.00	.00	.00	.00	.00	.00	218.00
WECOMA	184 FT	69.00	73.00	.00	.00	.00	.00	.00	.00	.00	142.00
GYRE	182 FT	.00	22.00	.00	.00	.00	.00	.00	20.00	75.00	117.00
OCEANUS	177 FT	117.00	59.00	.00	.00	.00	.00	.00	.00	3.00	179.00
SEWARD JOHNSON	204 FT	74.00	30.00	.00	.00	51.00	.00	.00	.00	84.00	239.00
NEW HORIZON	170 FT	193.00	8.00	.00	.00	.00	.00	5.00	34.00	.00	240.00
COLUMBUS ISELIN	170 FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
EDWIN LINK	168 FT	24.80	.00	.00	.00	89.00	.00	.00	.00	61.50	175.30
POINT SUR	135 FT	109.00	32.00	6.00	.00	.00	.00	1.00	9.00	6.00	163.00
CAPE HATTERAS	136 FT	118.00	8.00	18.00	.00	.00	1.00	10.00	.00	11.00	166.00
ALPHA HELIX	133 FT	87.00	19.00	.00	.00	.00	.00	.00	1.00	33.00	140.00
ROBERT G. SPROUL	125 FT	78.00	31.00	.00	20.00	.00	.00	.00	16.00	.00	145.00
CAPE HENLOPEN	120 FT	173.00	25.00	.00	.00	.00	.00	.00	.00	.00	198.00
WEATHERBIRD II	115 FT	150.00	.00	.00	.00	.00	.00	.00	.00	3.00	153.00
SEA DIVER	113 FT	28.00	56.00	.00	.00	45.00	.00	.00	.00	29.00	159.00
LONGHORN	105 FT	36.00	5.00	.00	.00	.00	.00	.00	30.00	1.00	72.00
PELICAN	105 FT	.00	36.00	.00	.00	83.00	.00	.00	1.00	50.00	170.00
LAURENTIAN	80 FT	79.00	.00	.00	.00	.00	.00	.00	9.00	2.50	90.50
BLUE FIN	72 FT	74.00	.00	.00	.00	.00	3.00	.00	.00	.00	77.00
CLIFFORD A. BARNES	66 FT	55.00	.00	.00	.00	.00	6.00	.00	14.00	.00	75.00
CALANUS	64 FT	21.00	6.00	.00	.00	10.00	7.00	.00	.00	3.00	47.00
TOTALS		3066.80	566.00	24.00	20.00	301.00	17.00	35.00	139.00	416.00	4584.80
PERCENT		66.89	12.35	.52	.44	6.57	.37	.76	3.03	9.07	100.00