ASTR 104890
94026

94026nv1

USGS - BAMG

NAVIGATION LOG

SHIP: AST 94-3

CRUISE: 94026

AREA: CAPE COD BAY

DATES: 6/20/94 - 6/29/94

CHIEF SCIENTIST: Rendigs

YrMoDy	JulDy	Time+Zone (ZULU)	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/20/94		17:17 Z	1	41 47.10' ~~41 47.10'~~	70 27.00' ~~70 27.00~~	90	4.4	1	Differential GPS = Montauk + Portsmouth NH beacons. Digital fathometer is data recorded on NAV disc.
		1900 Z	1	41 47.09 ~~70 16.93~~	7016.93	89.9	4.4		HAPPY
		2000 Z	1	4109.38	70 10.62	90.7	4.7		11
		2027	1			90	4.4		EOL 1
		2028	24	4147.40	7008.36	313	4.7		SOL 24
		2045	24	41 48.12	7009.22	317	4.8		
		2100	24	4148.90	7010.18	318	4.3		
		21:21	24	4150.01	7011.50	313	4.8		EOL 24
6/21/94		11:20:43	2	4146.00	7027.01	96.8	4.5	2	SOL 2
		12:00	2	4146.00	7022.80	88.7	6.7		
		12:45		4145.93	7017.99				S. SCAN FISH ON DECK
		14:00							Back to Sandwich - no trigger on fish
		15:10							at the Marina

YrMoDy	JulDy	Time+Zone (PZULU)	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/22/94		15:40	21	4145.02'	7023.83	326	7.8	2	SOL 21
		1600		4145.97	7024.84	318	3.7		
		1635		4147.58	7026.56	324	4		
		1700		4148.87	7027.94	321	4.3		
		1733		4150.82	7030.00	321	4.5		EOL 21
		1733		4150.82	7030.00	321	4.5		SOL 20
		1800		4152.78	7029.99	348	4.1		
		1833		4155.33	7030.00	0	4.5	2	EOL 20
		1955:43	25	4152.08	7018.73	240	7.4	2	SOL 25
		20:20							Ken screwed up nav-disc not on
		20:22							Disc on - lost 2-5 min.
		20:30		4150.62	7021.60	237	4.4		
		2100		4149.33	7022.33	236	4.9		still here
		2107:30		4148.96	7024.96	235	4.9		Dumpsite
		2132		4147.87	7027.12	235	4.8		EOL 25
6/23/94		1155 1215	2	4146.00'	7018.68			3	SOL 2 (finish remainder from 6/21
		1235		4145.99	7014.64				

YrMoDy	JulDy	ZULU Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/23/94		13:05	2	4146.00	7011.47	93.2	4.8	3	EOL 2
		13:23	22	4145.76	7012.78	23.4	4.4		SOL 22
		14:00		4148.22	7011.51	17.3	4.1		
		14:40		4150.90	7010.17	19.9	4.8		
		15:22		4154.02	7008.59	13.9	4.7		EOL 22
		15:22	23	4154.02	7008.59	13.9	4.7		SOL 23
		15:49		4156.05	7007.87	15	4.7		
		1600		4156.90	7007.58	4.8	14.9		
		1641	23	4200.02	7006.49	4.1	14.2		EOL 23
		1808	3	4148.50	7008.43	5.1	270		SOL 3
		1900		4148.49	7014.10	5.0	273		
		1935		4148.48	7018.29	—	268		
		2000		4148.49	7021.00	4.8	272		
		2015		4148.49	7022.53	4.6	269		
		2040		4148.49	7024.95	4.3	270		
		2106							Turn to port to avoid barge abt 490m to port side of line at max turn looking for another buoy

YrMoDy	JulDy	(ZULU) Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/23/94		2109	3					3	BACK ON LN 3
		2130							
				4148.47'	7027.74	276	3.9		WEST WIND UP
			3	4148.50'	7031.04'	269	4.2	3	EOL 3
6/24/94		12:26	5	4154.00	7031.37	88	4.4	4	SOL 5
		13:05		4153.99	7027.25	92	4.9		
		13:45		4153.99	7023.06	91	4.6		
		1400		4153.98	7021.58	88	4.5		
		1429							harder ~~harder~~ texture material - 3.5 KHz record comes near surface as well.
		1430		4153.99	7018.64	91	4.3		
		1500		4153.99	7015.71	94	42		
		1502							turn to STBD - avoid fish weir - off line
		1512							Back on line
		1545		4153.99	7011.76	90	4.3		
		1615		4153.99	7009.05	90	3.6		
		1620							Fish wire up - 15 m layback Thermocline's back
		1630		4153.99	7007.71	92	4.0		

YrMoDy	JulDy	(ZULU) Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/24/94		16:32	5	4153.99	7007.47	94	4	4	EOL 5
		17:03	4	4150.90	7009.85	273	4		SOL 4
		1735		4150.99	7013 27	270	7?		
		1830		4150.99	70 18.98	268	4.6		
		1900		4150.98	7022.11	272	4.7		
		1930		4150.99	7025.25	269	4.4		
		2000		4150.99	7028.18	271	4.3		
		2024		4151.01	7030.53	270	4.2		EOL 4
6/25/94									Put on wrench - transit to Plymouth, etc.
6/26/94		1228	7	4159.49	7035.40	92	5.7	5	SOL 7
		1300		4159.49	7031.51	91	5.3		
		1330		4159.48	7028.04	87	5.2		
		1400		4159.49	7024.64	87	4.9		
		1430		4159.48	7021.35	90	4.9		

YrMoDy	JulDy	Time+Zone (GMT)	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/26/94		1500	7	4159.48	7017.91	91	5.1	5	
		1530		4159.48	7014.50	87	5.2		
		1600		4159.49	7011.01	88	5.1		
		1630		4159.49	7007.71	90	4.9		
		1643		4159.49	7006.24	88	4		EOL 7
		1735		4202.46	7013.95				SOL 8 - talk to lobster GUYS.
		1740		4202.49	7014.20	259	4.9		ON COURSE
		1800		4202.49	7016.95	272	5.0		
		1830		4202.49	7019.76	274	5.2		seas are KA-KA!
		1900		4202.49	7023.08	267	5.3		
		1920		4202.49	7025.73	275	5		off line - turn to port
		1930		4202.49	7026.49	269	5.3		
		2000		4202.49	7029.94	267	5.6		Back on line
		2030		4202.47	7033.58	269	5.6		
		2050		4202.50	7036.06	277	5.6		
		2052							EOL 8 - HONG UP ON LOBSTA POTS!
									THE END!

RAAHHH

YrMoDy	JulDy	(2 UCU) Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/27/94		12:34	17	4205.62	7025.00	20	4.5	6	SOL 17
		1300		4208.04	7025.00	1.2	5.5		
		1330		4210.78	7025.00	359	5.7		
		1352		4212.91	7025.00	0	6.3		EOL 17
		1352	16	4212.91	7025.00	357	6.1		SOL 16
		1400		4213.61	7025.19	349	5.2		
		1430		4216.41	7025.97	348	5.7		
		1455		4218.75	7026.62	347	5.6		EOL 16
		1455		4218.75	7026.62	346	5.6		SOL 15
		1500		4219.16	7026.65	35.7	5.8		
		1530		4221.90	7025.90	14	5.3		
		1539		4222.71	7025.70	12.8	5.5		EOL 15
		1539	14	4222.71	7025.70	12.8	5.5		SOL 14
		1600		4121.82	7027.78	237	—		
		1617		4221.09	7029.50	234	4.9		EOL 14
		1617	13	4221.09	7029.50	234	4.9		SOL 13
		1630		4220.07	70.28.82	150	5.6		
		1639		4219.28	7028.29	157	5.4		EOL 13
		1639	12	4219.28	7028.29	157	5.4		SOL 12

YrMoDy	JulDy	Time+Zone (ZULU)	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/27/94		1700	12	4217.58	7029.14	198	5.2	6	
		1730		4215.11	7030.35	201	5.3		
		1749		4213.50	7031.16	202	5.2		EOL 12
		1749	11	4213.50	7031.16	202	5.2		SOL 11
		1805		4211.38	7030.06	159	5.4		
		1830		4210.15	7029.15	171	5.1		
		1900		4207.80	7028.22	160	5		
		1929		4205.37	7026.98	161	5.3		EOL 11
		2024	18	4203.33	7035.01	147	4.5		SOL 18
		2030		4202.89	7034.57	157	5		
		2100		4200.61	7032.99	154	5		
		2130		4158.46	7031.46	155	5.2		
		2135	18	4158.08	7031.10	152	4.6		EOL 18
6/28/94		1253	6	4157.01	7033.90	58	5.2	7	SOL 6
		1300		4156.99	7033.14	109	4.9		
		1400		4156.99	7028.94	92	5.8		

YrMoDy	JulDy	Time+Zone (2000)	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/28/94		1424 (APPROX)	6	4156.94	7026.13	171	2.1	7	EOL 6 - FISH BROKE BACK TO DA BARN
6/29/94		1243	6	H157.01	7027.76	85	1.2	8	Pickup rest from yesterday
		1300		W156.98	7025.75	93	5.4		Having a problem w. D. GPS beacon - OK
		1330		W156.98	7022.13	110	6.1		
		1400		W156.98	7018.45	91	5.6		
		1430		H156.90	7014.91	164	7.9		EOL 6
		15:12	26	W152.22	7018.49	3.7	4.9		SOL 26
		1530		H153.99	7018.46	0	5.8		
		1600		H156.70	7018.45	1.0	5.2		
		1630		H159.35	7018.39	3.0	6.0		
		1637		H200.05	7018.41	1.2	5.5		EOL 26
		1637	27	H200.03	7018.41	1.2	5.5		SOL 27
		1700		H201.89	7019.51	337	—		
		1730		H204.47	7021.08	338	5.8		
		1747		H206.21	7022.25	352	3.8		EOL 27
		1748	28	H206.21	7022.36	126	5.9		SOL 28

(-2000)

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
6/29/94		1800	28	4205.59	7020.99	116	4.1	8	
		1811		4204.99	7019.97	123	5.0		EOL 28
		1812	10	4204.99	7019.97	123	5.0		SOL 10
		1825						9	NAV DOWN - DISC PROBLEM
									DISC 8 FULL - THEN TO DISC 9
		1830		W204.97	7021.89	268	5.1		Diff GPS beacon down. Dead Reckoning time
		1837							Beacon back on!
		1839							lost beacon
		1844							Diff GPS back
		1900		W204.97	7025.19	270	4.6	D. GPS	- on, off, on, off - Through this line.
		1930		W205.00	7028.60	275	5.3		
		1941		4204.96	7030.03	233	5.5		EOL 10
									BACK 2 DA BARN!