ASTR 97-1 97018 105037

97018nav

USGS - BAMG

NAVIGATION LOG

SHIP: ASTERIAS

CRUISE: AST97-1 97018

AREA: Long Island Sound

DATES: 6/3 → 9/1997

CHIEF SCIENTIST: Poppe

Bathymetric data on disks is uncorrected
for the draft of the sidemount
2' must be added to the data

NEW HAVEN HARBOR

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970603	154	1657	1	41 15.43'	72 54.78'	006	4.2	1	SOL 1 3.5kHz Roll #1
		1705				008			course change
		1708							DGPS is bouncing around (land effect ??)
		1713				352			course change
		1721				003			course change
		1738		41°17.8'	72°54.54'				EOL 1
		1740	2	41°17.74'	72°54.46'		4.1	1	SOL 2
		1750		41°17.00'	72°54.61				EOL 2
		1803	3	41°17.62	72°54.68	185.00	4.0	1	SOL 3
		1815				178			course change
		1823				183	4.3		course change
		1828		41°15.78	72 54.8				EOL 3
		1832	4	41 15.85	72°54.9	66			SOL 4
		1838		41°15.98'	72°54.42'				EOL 4
		1840	5	41°15.92'	72°54.38'	236	4.2	1	SOL 5
		1849		41°15.69'	72°54.92'				EOL 5
		1851	6	41°15.61'	72°54.90'	66	3.8	1	SOL 6
		1900		41 15.89	72°54.17'				EOL 6

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970603	154	1902	7	41°15.82	72°54.17	237	3.8	1	SOL 7 seismic Run #1
		1913		41°15.47	72°55.02				EOL
		1916	8	41°15.37	72°55.05'	64	3.8		SOL 8
		1931		41°15.77	72°54.000'				EOL 8
970604	155	1430	9	41°15.68'	72°54.02'	249	4.9	2	SOL 9 (Changed to a 1/16 sec sweep 4.6 in/division)
		1441		41°15.25'	72°55.13'				EOL 9
		1444	10	41°15.17'	72°55.11'	68	4.9		SOL 10
		1456		41°15.61	72°53.96'				EOL 10
		1457	11	41°15.53	72°54.01'	240	5.3		SOL 11
		1510		41°15.02'	72°55.21'				EOL 11
		1512	12	41°14.96	72°55.18'	61	4.8		SOL 12
		1525		41°15.41'	72°54.01'				EOL 12
		1528	13	41°15.35'	72°54.17'	253	5.0		SOL 13
		1602							Lost Differential GPS
		1614		41°13.588'	72°58.445'				EOL 13

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970604	155	1616	14	41°13.68'	72 58.45'	68	4.8	2	SOL 14
		1637		41°14.45	72°54.49'				EOL 14
		1639	15	41°14.50'	72°56.62'	247	4.9		SOL 15
		1700		41°13.73'	72°58.57'				EOL 15
		1702	16	41°13.83'	72°58.54'	69	5.1		SOL 16
		1720		41°15.52	72° 56.75'				EOL 16
		1722	17	41°14.59'	72°56.84'	242	4.7		SOL 17
		1742		41°13.88'	72°58.65'				EOL 17
		1747	18	41°14.04'	72°58.31'	65	5.0		SOL 18
		1756		41 14.44'	72°57.42'				EOL 18
		1814	19	41°13.51'	72°58.41'	62	5.2	2	SOL 19
		1822						3	Change Nav Out of Disk (stack space) error
		1855		41°15.04'	72°54.47'				EOL 19
		1857	20	41°14.95'	72°54.47'				SOL 20
		1938		41° 13.43'	72° 58.38				EOL 20
		1939	21	41°13.37'	72°58.28	62	5.2	3	SOL 21
970604	155	2022		41°14.86'	72° 54.46'				EOL 21
				END OF DAY		2			

AST 97-1

Tape 3 out
Tape 4 in } computer crashes

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Tape 3 out Disk#	Comments
970605	156	1313	SOL 22	41° 13' 84"	72° 52' 83"	250	5.8	4	Tape 3 out program crashes a problem Abort line twice
Abort at 1341 turn to resume line 22									
		1346	Resume 22	41° 12' 90"	72° 55' 25"	243	4.6		
		1410	EOL 22	41° 12' 05	72 57 48				
970605	156	1413	BOL 23	41 12 13	72 57 79	66	4.2		
		1505	EOL 23	41° 13 89	72 52 89				
970605	156	1508	BOL 24	41 13 96	72 53.00	247	5.2	4	end roll 1 seismics, Begin Roll 2 seismics
		1554	EOL 24	41 12 21	72 57 53				
970605	156	1555	BOL 25	41 12 29	72 57 55	64	4.9		
		1640	EOL 25	41 14 04	72 52 99				
970605	156	1645	BOL 26	41° 14 03	72° 53 29	240	4.2		
		1737	EOL 26	41° 12 36	72° 57 64			4	
970605	156	1801	BOL 27	41° 12 44	72° 57 66	62	5.3	5	End tape 4 start tape 5 at end of line 26
		1839	EOL 27	41° 14' 09	72 53' 37				
970605	156	1841	BOL 28	41° 14' 17	72° 53' 41	235	4.4	5	
		1932	EOL 28	41° 12' 50	72° 57' 72				
970605	156	1934	BOL 29	41° 12' 59	72° 57' 75	64	5.5	5	
		2014	EOL 29	41° 14 08	72° 53 85				End Day head in To: Schooner Inc.

End line 1615 hrs
At Dock 1700 hrs

ROANOKE POINT SURVEY *

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970606	157	1332z	1B	41 0.9069'	72 44.1062'	79		5	SOL1B sidescan Tape #5 subbottom Roll #2
				ISIS SYSTEM CRASHED; LINE ABORTED					
		1351z	1B	41°0.9007'	72°44.1964	83	4.1		SOL1B
		1400 z		ISIS SYSTEM CRASH, ~~[illegible]~~					BACK ON LINE
		1401							Back on Line 1B
		1455	1B	41°12.3371'	72°38.2211'				EOL1B
		1507	9B	41°00.5756'	72°38.2575'	262	5.6		SOL9B
		1608		41°00.2518'	72°44.1189				EOL9B

data Glenn

* Redo of lines 1 + line 9.

New Haven Harbor Survey

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970606	157	1801	30	41°14.1589'	72°53.9443'	241	4.5	6	SOL 30
		1845		41°12.6455'	72°57.8381'				EOL 30
		1847	31	41°12.7441'	72°57.8427'	66	5.5		SOL 31
		1924		41°14.1766'	72°54.0902'				EOL 31
		1925	32	41°14.2320'	72°54.2021'	243	5.4		SOL 32
970606	157	1942		41°13.5812'	72°55.8814'			6	EOL 32
970607	158	1148	33	41°13.4377'	72°56.2733'	243	5.2	7	SOL 33 sidescan tape 7 roll #2 for 3.5
		1151		41°13.3125'	72°56.5905'	316	5.0		course change
		1158		41°13.5838'	72°57.3556'				EOL 33
		1159	34	41°13.5443'	72°57.4202'	247	5.3		SOL 34
		1202		~~41°13.2713'~~	~~72°58.2237'~~				lost differential
		1207		41°13.2113'	72°58.2237'				EOL 34
		1209	35	41°13.1564'	72°58.1494'	63	4.6	7	SOL 35
				Paper speed on EPC recorder changed from 150 to 300 lpi					
		1217		41°13.4521'	72°57.3713'				EOL 35
		1220		41°13.4117'	72°57.2994'	234	5.2		SOL 36
		1228		41°13.0513'	72°58.1904'				EOL 36
		1230		41°12.9828'	72°58.1250'				SOL 37

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970607	158	1241	37	41°13.3814'	72°57.1025'			7	EOL 37
		1242	38	41°13.3519'	72°56.9702'	249	5.3		SOL 38
		1257		41°12.9152'	72°58.0275'				EOL 38
		1254	39	41°12.8704'	72°57.9520'	63	4.7		SOL 39
		1306		41°13.2889'	72°56.8547'				EOL 39
		1308	40	41°13.2644'	72°56.7545'	241	4.9		SOL 40
		1319		41°12.7847'	72°57.9715'				EOL 40
		1327	41	41°13.3068'	72°58.2394'	68	4.3		SOL 41
		1408		41°14.7651'	72°54.4672'				EOL 41
		1412	42	41°14.6738'	72°54.4931'				SOL 42
		1438		41°13.6081'	72°57.2193'				EOL 42
		1440	43	41°13.5664'	72°57.1112'	69	4.5		SOL 43
		1508		41°14.6397'	72°54.3493'				EOL 43
		1511	44	41°14.5881'	72°54.2512'	245	5.1		SOL 44
		1538		41°13.5377'	72°56.9608'				EOL 44
		1540	45	41°13.4788'	72°56.8554'	63	4.7		SOL 45
		1607		41°14.5313'	72°54.1605'				EOL 45
		1608		41°14.4629'	72°54.0995'	243	5.1		SOL 46

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
		1635		41°13.4121'	72°56.7836			7	EOL 46
		1637	47	41°13.3645'	72°56.6648'	63			SOL 47
		1647				52	5.5		Course change
		1650				63			course change
970607	158	1703	47	41°14.3654	72.° 54.0550			7	EOL47

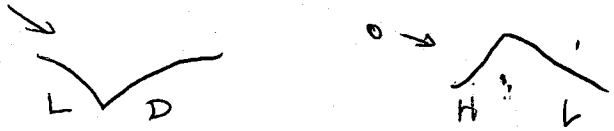
Near stumps, sand wave acoustic basement outcrop in channel

END OF NEW HAVEN HARBOR SURVEY

R+D Survey of EPC DIGITAL AQUISITION

NEW HAVEN DUMPING GROUNDS SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970607	158	1813	1	41°9.665	72 54.5	88	4.7	8	SOL1
		1843		41°9.665	72° 51.27				EOL1
		1845	2	41°9579	72°51.30	281			SOL2
970607	158	1916	2	41°9.5817'	72°54.54'	281	5.1	8	EOL2
970608	159	1204	3	41°9.4954'	72°54.4690'	89	5.1	9	SOL3 sidescan tape-9 3.5-ROLL#2
		1207							SIDESCAN system crashed
		1233		41° 9.5006'	72° 51.280'				EOL3
		1235	4	41°9.4158'	72° 51.289	271	5.0		SOL4
		1303	4	41 9.4220	72°54.500				EOL4
		1306	5	41°9.3388	72°54.496	89	4.5		SOL5
		1338		41°9.3389	72° 51.27				EOL5
		1340	6	41°9 2581'	72° 51.30	272	5.5		SOL6
		1406		41°9.2500	72°54.55				EOL6
		1408	7	41°9.1830	72°54.52		4.2		SOL7
		1443		41°9.1807'	72° 51.28'				EOL7
		1445	8	41°9.0984	72°51.300'	272	5.7		SOL8
		1510		41°9.0900	72°54.52				EOL8



YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970608	159	1512	9	41°9.0124	72 54.516	89	4.1	9	SOL9
		1527							Passed Yellow Buoy
		1530							PAPER RAN OUT OF EPC Recorder
		1533		41°9.0176	[illegible]				New Roll (#3) installed
		1549		41°9.0176	72°51.298				EOL9
		1550	10	41°8.9355	72°51.310	274	5.8	9	SOL10
		1615		41°8.9262	72°54.564				EOL10
		1617	11	41°8.8528	72°54.5284	90	3.8	9	SOL11
		1636							Large Spoil pile
		1653	11	41°8.8482	72°51.2774				EOL11
		1655	12	41°8.7689	72°51.322	274	5.7		SOL12
		1720		41°8.7680	72°54.53				EOL12
		1722	13	41°8.6941	72°54.53	90	4.2		SOL13
		1755		41°8.6908	72°51.2837				EOL13
		1757	14	41°8.6078	72°51.300	269	5.3		SOL14
		1824		41°8.6110	72°54.5262				EOL14
		1826	15	41°8.5309	72°54.502	92	4.8		SOL15
		1856		41°8.5314	72°51.2797			9	EOL15

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970608	159	1858	16	41°8.4447	72°51.302	274	5.0	9	SOL16
970608	159	1928	16	41°8.4476	72°54.5231			9	EOL16
			END OF DAY						
970609	160	1212	17	41°8.3633	72°54.5361	89	5.1	10	SOL17 sidescan Tape #10 3.5kHz Roll #3
		1225							picked up a lobster pot
		1227							back on line
		1247		41°8.3670	72°51.2860				EOL17
		1249	18	41°8.2863	72°51.2794	273	5.4		SOL18
		1306							Picked up a lobster pot
		1308							back on line
		1319		41°8.2855	72°54.5259				EOL18
		1321	19	41°8.2029	72°54.5001				SOL19
		1352		41°8.2096	72°51.2813				EOL19
		1353	20	41°8.1215	72°51.3147	272	5.7		SOL20
		1419		41°8.1242	72°54.5359				EOL20
		1421	21	41°8.0394	72°54.5258	87	4.6		SOL21
		1454		41°8.0446	72°51.2617			10	EOL21

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970609	160	1455	22	41°7.9553	72°51.3148	272	5.9	10	SOL22
		1520		41°7.9658	72°54.5326				EOL22
		1521	23	41°7.8826	72°54.5345	89	4.3		SOL23
		1530							course change to avoid lobster trap string
		1535		41°7.8799	72°53.2700				anchor marks on bottom
		1556		41 7.8800	72°51 2700				EOL23
		1557	24	41 7.9974	72°51.300	272	6.2		SOL24
970609	160	1622	24	41°7.8006	72°54.540			10	EOL24 side scan rope #10 3.5 kHz Roll #3
			END OF NEW WAVEN DUMPING GROUNDS SURVEY						