94029
ASTR 94-1
104886

94029 nav

USGS - BAMG

NAVIGATION LOG

SHIP: RV ASTERIAS

CRUISE: AST 94-1

AREA: Long Island Sound

DATES: 6/10/94 -

CHIEF SCIENTIST: Poppe

R/V ASTERIAS

ASTR 94-1

Larry J. Poppe-Chief Scientist

LONG ISLAND SOUND/HAMMONASSET, CT

June 11-15, 1994

Line #	Date	JD/Start	JD/End	Zone	Data	Area
1	June 11	162/1139	162/1153	GMT	3.5 kHz	Hammonasset, CT
2		162/1200	162/1209	GMT		
3		162/1212	162/1226	GMT		
4		162/1230	162/1242	GMT		
5		162/1259	162/1330	GMT		
6		162/1334	162/1356	GMT		
7		162/1359	162/1430	GMT		
8		162/1434	162/1456	GMT		
9		162/1500	162/1531	GMT		
10		162/1552	162/1615	GMT		
11		162/1618	162/1647	GMT		
12		162/1650	162/1716	GMT		
13		162/1719	162/1744	GMT		
14		162/1747	162/1815	GMT		
15		162/1817	162/1840	GMT		
16		162/1846	162/1909	GMT		
17		162/1912	162/1933	GMT		
18		162/1941	162/2006	GMT		
18A		162/2010	162/2022	GMT		
1A		162/2024	162/2032	GMT		
26		162/2035	162/2045	GMT		
19	June 12	163/1059	163/1127	GMT	3.5 kHz	Hammonasset, CT
20		163/1131	163/1200	GMT		
21		163/1202	163/1224	GMT		
22		163/1227	163/1257	GMT		
23		163/1300	163/1320	GMT		
24		163/1324	163/1401	GMT		
25		163/1407	163/1424	GMT		
27	June 13	164/1140	164/1440	GMT	SSS+3.5 kHz	Reconaissance Survey
28		164/1447	164/1459	GMT		
29		164/1500	164/1824	GMT		
24A		164/1845	164/1909	GMT	SSS+3.5 kHz	Hammonasset, CT
25A		164/1913	164/1936	GMT		
22A		164/1941	164/2002	GMT		
23A		164/2005	164/2034	GMT		
20A		164/2039	164/2058	GMT		
21A		164/2101	164/2131	GMT		
19A		164/2134	164/2153	GMT		

ASTR 94-1 L.J.Poppe-Chief Scientist, Long Island Sound/Hammonasset, CT-June 11-15, 1994

Line #	Date	JD/Start	JD/End	Zone	Data	Area
30	June 14	165/1124	165/1442	GMT	SSS+3.5 kHz	Reconaissance Survey
31		165/1443	165/1502	GMT		
32		165/1503	165/1913	GMT		
26A	June 15	166/1133	166/1145	GMT	SSS+3.5 kHz	Hammonasset, CT
1B		166/1147	166/1156	GMT		
2A		166/1205	166/1218	GMT		
3A		166/1221	166/1232	GMT		
4A		166/1236	166/1253	GMT		
5A		166/1257	166/1321	GMT		
6A		166/1326	166/1357	GMT		
7A		166/1400	166/1430	GMT	SSS(100 kHz)	
8A		166/1433	166/1458	GMT		
9A		166/1501	166/1536	GMT		
10A		166/1538	166/1601	GMT		
11A		166/1605	166/1642	GMT		
12A		166/1645	166/1708	GMT		
13A		166/1710	166/1747	GMT		
14A		166/1750	166/1811	GMT		
15A		166/1814	166/1847	GMT		
16A		166/1852	166/1910	GMT		
17A		166/1913	166/1944	GMT		
18B		166/1949	166/2011	GMT		
34		166/2059	166/2122	GMT	SSS(500 kHz)	Reconaissance Survey

100KHz HAMMONASSET SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
9406 11	162	1139	1	41°15.7523'	72°34.2142'	132.5	3.42	1	SOL 1
		1153							Broke off Line to readjust GPS
		1200	2	41°15.1588'	72°33.4923	311.4	5.4	1	SOL 2
		1209	2	41°15.7734'	72 34.3986'				EOL 2
		1212	3	41°15.6983	72°34.4609'	131	4.1	1	SOL 3
		1226	3	41°15.0323	72°33.4543				EOL 3
		1230	4	41°14.9757	72°33.5541	312	5.0		SOL 4
		1242	4	41°15.7164	72°34.6330				EOL 4
		1259	5	41°15.6896'	72°34.7585	131	4.3		SOL 5
		1330	5	41 14.3012	72°32.7045'				EOL 5
		1334	6	41°14.3015'	72°32.8459	311	8.7		SOL 6
		1356	7	41°15.6789'	72°34.8871				

F3
CSIN #to#
F3

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940611	162	1359	7	41°15.6651	72 35.0276	131	4.2	1	SOL 7
		1430	7	41°14.2619'	72°32.9462			1	EOL 7
		1434	8	41°14.2383	72°33.0954	312	6.5	1	SOL 8
		1456	8	41°15.6251'	72°35.1425'				EOL 8
		1500	9	41°15.6150'	72°35.2615'	132	4.4	1	SOL 9
		1531	9	41°14.2001'	72°33.1998'				EOL 9
		1552	10	41°14.1971	72°33.3449	312	6.1	2	SOL 10
		1615	10	41°15.5985	72°35.3961'				EOL 10
		1618	11	41°15.5443	72°35.5046	131	4.4	2	SOL 11
		1647	11	41°14.1302'	72°33.4236				EOL 11
		1650	12	41°14.1087'	72°33.5298'	311	5.3	2	SOL 12
					line extended to cover shoals at western/northwestern border				
		1716	12	41°15.5630'	72°35.6895'				EOL 12

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940611	162	1719	13	41°15.4726'	72°35.6841	132	5.8	2	SOL13
		1744	13	41°14.0726	72°33.6516'				EOL13
		1747	14	41°14.0085	72°33.7033	312	7.7		SOL14
		1815	14	41°15.4221'	72°35.8068'				EOL14
		1817	15	41°15.2957'	72°35.7751	131	4.4		SOL15
		1840	15	41°14.0028	72°33.8516'				EOL15
		1846	16	41°13.7984	72°33.6992'	311	3.9		SOL16
		1909	16	41°14.9611'	72°35.4259'				EOL16
		1912	17	41°14.8714'	72°35.4414'	131.7	5.1		SOL17
		1933	17	41°13.6152'	72°33.6603				EOL17
		1941	18	41°13.6086	72°33.7140'	312	4.4		SOL18
		2006	18	41°14.8533	72°35.5524				EOL18

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940611	162	2010	18a	41°15.0120'	72°35.3238'	484	5.5	2	SOL 18a (stern + reel #1)
		2022	18a	41°15.7640'	72°34.1968'				EOL 18a
		2029	1a	41°15.7336'	72°34.1628'	131	5.6		SOL 1a
		2032	1a	41°15.2184'	72°33.4419'				EOL 1a
		2035	26	41°15.3371'	72°33.4177'	311	3.85		SOL 26
940611	162	2045	26	41°15.8047'	72°34.1469'			2	EOL 26
940612	163	1059	19	41°14.6036'	72°31.4282'	253	4.8	3	SOL 19
		1127		41°13.98	72°34.14			4	EOL 19
		1131	20	41°13.8920'	72°34.1899'			4	SOL 20
		1200	20	41°14.5310'	72°31.3724'			4	EOL 20
		1202	21	41°14.4548'	72°31.3628'	253	5.4	4	SOL 21
		1224	21	41°13.8922'	72°33.8498'			4	EOL 21

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940612	163	1227	22	41°13.8116	72°33.54	73.6	4.6	4	SOL22
		1257		41 14.3603	72°31.3344				EOL22
		1300	23	41°14.2706	72°31.3193	253.5	6.1	4	SOL23
		1320		41°13.7210	72°33.8351				EOL23
		1324	24	41°13.6805	72°33.6951	73.7	6.4		SOL24
		1401	24	41°14.2044	72°31.2859				EOL24
		1407	25	41°14.0934	72°31.3879				SOL25
940612	163	1424	25	41°13.5924	72°33.7390				EOL25
				END OF 100 KHZ side scan					
				PART OF NAMMONASSET SURVEY					

SPACED LINE SURV.

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940613	164	1140	27	41°14.2669	72 32.5896	191	4.9	5	First Line in this survey SOL 27
		1247							Stopped EPC recording to change paper
		1252							started paper recording again
		1440	27	41°0.1643	72°36.1963				EOL 27
		1447	28	41°0.3676	72°36.2924	245.3	5.0	5	SOL 28
		1459	28	40°59.9389	72°37.5471				EOL 28
		1500	29	40°59.9911	72°37.5133	11	5.1		SOL 29
		1704		41°8.9605	72°35.1068				Snagged lobster trap
		1707		41°9.0193	72°35.0651				Back on Line 29
		1809							change from fathometer bottom to sound waves
		1824	29	41°15.0453	72°33.4767				EOL 29
				TRANSIT TO 24a					
		1845	24a	41°13.6521	72°33.7738	73	4.4		SOL 24a
		1909	24a	41°14.2051	72°31.2758				EOL 24a

Nantucket Survey

re run line done 6/2/94

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940613	164	1913	25a	41°14.1307	72°31.2607	254	5.0	5	SOL 25a
		1936	25a	41°13.5958	72°33.7386				EOL 25a
		1941	22a	41°13.8219	72°33.7770	73.6	4.8	5	SOL 22a
		2002	22a	41°	72°				EOL 22a
		2005	23a	41°14.3237	72°31.1147	254	4.1		SOL 23a
		2034	23a	41°13.7352	72°33.7820				EOL 23a
		2039	20a	41°13.9664	72°33.8365	73	5.3		SOL 20a
		2058	20a	41°14.5367	72°31.3742				EOL 20a
		2101	21a	41°14.4690	72°31.2612	254	3.8		SOL 21a
		2131	21a	41°13.8966	72°33.8402				EOL 21a
		2134	19a	41°14.0469	72°33.8773	73	5.9		SOL 19a
940613	164	2153	19a	41°14.6608	72°31.4305				EOL 19a

Rerun of lines done on 6/12/94

w/o 37 + 38 = Line 19

SPACED-LINE SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940614	165	1124	30	41°14.5081'	72°31.3907'	191	4.5	6	SOL 30
		1442	30	41°0.5674'	72 34.9022	00			EOL 30
		1443	31	41 0.5619	72°34.8175'	50	4.6	6	SOL 31
		1447							} PUV Trawls pulled on fish
		1451							
		1502	31	41°1.3447'	72°33.5679'				EOL 31
		1503	32	41°1.4200'	72°33.5582	11	4.5	6	SOL 32
		1721		41°11.0376	72°31.1426				changed EPC records prior
		1738	32	41°12.1738'	72°30.9187'				pulled fish to repair tail
		1841	32	41°12.3189'	72°30.8066				Back on line 32
		1913	32	41°14.5860'	72°30.2541'	04		6	EOL 32

RESHOOT OF HAMMONASSET SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940615	166	1133	26a	41 15.2321	72 33.2767'	310	4.1	7	Reshoot of Line 26 SOL 26a
		1145	26a	41°15.8137'	72°34.1611'				EOL 26a
		1147	16	41°15.7496'	72°34.2155	132	5.0		SOL 16
		1156	16	41°15.2767'	72°33.5225				EOL 16
		1205	2a	41°15.1552'	72°33.4919	310	4.1		SOL 2a
		1218	2a	41 15.7418'	72°34.3488				EOL 2a
		1221	3a	41°15.6942'	72°34.4279'	132	5.3		SOL 3a
		1232	3a	41°15.0227'	72°34.4515'				EOL 3a
		1236	4a	41°14.9146'	72°33.4694'	312	4.3		SOL 4a
		1253	4a	41°15.7098	72°34.6216				EOL 4a
		1257	5a	41°15.6828'	72°34.7511'	132	5.0		SOL 5a
		1321	5a	41°14.2120'	72°32.5594'				EOL 5a

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940615	166	1326	6a	41°14.1357'	72°32.6074'	312	4.4	7	SOL 6a
		1357	6a	41°15.6158'	72°34.8894'				EOL 6a
		1400	7a	41°15.6725'	72°35.0496'	132	4.7		SOL 7a
		1430	7a	41°14.2598'	72°32.9480'				EOL 7a
		1433	8a	41°14.2003'	72°33.0528'	312			SOL 8a
		1458	8a	41°15.6274'	72°35.1476'				EOL 8a
		1501	9a	41°15.6374'	72°35.3078'	132	4.0		SOL 9a
		1536	9a	41°14.1985'	72°33.1979'				EOL 9a
		1538	10a	41°14.1607'	72°33.2945'	312	5.6		SOL 10a
		1601	10a	41°15.5942'	72°35.3828'				EOL 10a
		1605	11a	41°15.5816'	72°35.5650'	131	4.8		SOL 11a
		1642	11a	41°14.1438'	72°33.4442'				EOL 11a

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940615	166	1645	12a	41°14.1438'	72°33.6053	312	6.0	7	SOL 12a
		1708	12a	41°15.5130'	72°35.1950'				EOL 12a
		1710	13a	41°15.5390'	72°35.7794'	132	3.8		SOL 13a
		1747	13a	41°14.0929'	72°33.6882				EOL 13a
		1750	14a	41°14.0662'	72°33.7985	312	6.3		SOL 14a
		1811	14a	41°15.4195'	72°35.7893'				EOL 14a
		1814	15a	41°15.3751'	72°35.8983	132	4.3		SOL 15a
		1847	15a	41°14.0037'	72°33.8654'				EOL 15a
		1852	16a	41°13.8659	72°33.8036'	312	5.1		SOL 16a
		1910	16a	41°14.9684'	72°35.4364'				EOL 16a
		1913	17a	41°14.9315'	72°35.5371	132	4.0		SOL 17a
		1944	17a	41°13.7270'	72°33.7372'				EOL 17a

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
940615	166	1949	186	41°13.5860'	72°31.7157'	312	5.6	7	SOL 186
		2011	186	41°14.8560'	72°35.5792			7	EOL 186
		2059	34	41°14.7107'	72°33.5918'	93			SOL 34
940615	166	212	34	41°14.5914'	72°31.4305			7	