105013
ASTR 96016

USGS - BAMG

NAVIGATION LOG

SHIP: RV ASTERIAS

CRUISE: AST96-1 Ser# 96016

AREA: Long Island Sound

DATES: 6/11/96 → 6/17/1996

CHIEF SCIENTIST: Poppe

Note:

A) Our bathymetry is adjusted to account for the ship's draft

B) Checked our bathymetric data against what was recorded on the Atlantis's system; 57' (17.37 m) on the ship's system vs 17.2 m on the USGS system.

Seismic Roll

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments	
960612	164	1251 z	1	41°1.229	72°38.29	269.0	5.0	1	SOL 1	1
		1305 z	1	41°1.2380	72 39.6870	259.0	4.6		Restart Line 1	
		1313 z	1						Lowered fish	
		1355	1	41°0.9030	72°44.1610				EOL 1	
		1358	2	41°0.8200	72°44.1830	82.0	4.6		SOL 2	
		1453	2	41°1.1510	72°38.1900	86	5.4		EOL 2	
		1455	3	41°1.0740	72°38.1370	263	3.9	1	SOL 3	
		1606	3	41°0.7170	72°44.1580				EOL 3	
		1609	4	41 0.6360	72°44.2260	87	5.1		SOL 4	
		1700	4	41°0.9950'	72°38.2140'				EOL 4	
		1705	5	41 0.9120	72°38.1150	268	3.9	1	SOL 5	
		1815	5	41°0.5750	72°44.1310				EOL 5	
		1817	6	41°0.4960	72°44.1060'	87	5.0	1	SOL 6	
		1912	6	41°0.8320	72°38.1180				EOL 6	
		1914	7	41°0.7460'	72°38.1350	262	4.4		SOL 7	
		2018	7	41°0.4150'	72°44.1130'				EOL 7	
		2020	8	41°0.3350'	72°44.1660'	84	4.5		SOL 8	
960612	164	2122	8	41°0.6630	72°38.1880			1	EOL 8	

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960613	165	1151z	9	41°0.5740'	72°38.1970	268	6.0	2	SOL9
960613		1239z	9	41°0.2550'	72°44.1140'				EOL9
		1240	10	41°0.1750	72 44.1030	85	4.3		SOL10
		1338	10	41°0.5010'	72° 38.1630'				EOL10
		1340	11	41°0.4200	72°38.1870				SOL11
		1429	11	41°0.0880	72° 44.0820				EOL11
		1431	12	41°0.0130'	72°44.0950'	88	5.5		SOL12
		1518	12	41°0.3420	72° 38.1520'				EOL12
		1520	13	41°0.2640'	72°38.1080'	265	4.8		SOL13
		1615	13	40°59.9230	72°44.0830				EOL13
		1618	14	40°59.8440	72°44.1170'	83	5.7		SOL14
		1703	14	41°0.1850'	72°38.1240				EOL14
		1705	15	41°0.1030	72°38.0810	263	4.9		SOL15
		1802	15	40°59.7680	72°44.0500				EOL15

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960613	165	1803	16	40°59.6880	72°44.0190	86	5.7	2	SOL16
		1850	16	41°0.0220	72°38.1110				EOL16
		1852	17	40°59.9320	72°38.1200	274	5.0		SOL17
		1947	17	40°59.6090	72°44.0460				EOL17
		1949	18	40°59.5250	72°44.0150	82	5.3		SOL18
960613	165	2037	18	40°59.8550	72°38.0860				EOL18
960614	166	1148	19	40°59.7690	72°38.1140	280	6.2	3	SOL19
		1232	19	40°59.4430	72°44.0290	267	6.2	3	EOL19
		1234	20	40°59.3540	72°44.0070	080	4.9		SOL20
		1329	21	40°59.6090	72°38.1600	~~266~~	7.1		~~EOL 20~~ SOL21
		1327	20	40°59.6940	72°38.0480	086	7.4		EOL20
		1419	21	40°59.2750	72°44.0430	264	5.5		EOL 21

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960614	166	1421	22	40° 59.1930	72° 44.1120	088	5.4	3	SOL 22
		1507	22	40° 59.5380	72° 38.0730	[illegible]	4.5	3	EOL 22
		1509	23	40° 59.4530	72° 38.0630	263	4.5	3	SOL 23
		1605		40° 59.1130	72° 43.9860	264	4.7		EOL 23
		1607	24	40° 59.0380	72° 44.0580	091	6.2	3	SOL 24
		1650	24	40° 59.3710	72° 38.0490	087	6.2	3	EOL 24
		1652	25	40° 59.2950	72° 38.0600	270	4.5	3	SOL 25
		1753	25	40° 58.9550	72° 43.9740	264	4.2	3	EOL 25
				END	DAY / END OF ROANOKE POINT SURVEY				

FALKNER ISLAND SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960615	167	1205	1A	41°12.0250'	72°38.1820	271	6.2	4	SOL 1A
		1226	1A	41°12.0140	72°40.7470				EOL 1A
		1228	2A	41°12.0920'	72°40.7910	092	4.7		SOL 2A
		1254	2A	41°12.0920	72°38.3310				EOL 2A
		1256	3A	41°12.1710	72°38.3720	273	6.7		SOL 3A
		1312	3A	41°12.1770'	72°40.7480'				EOL 3A
		1314	4A	41°12.2570	72°40.7240	089	6.0		SOL 4A
		1339	4A	41°12.2540'	72°38.3350				EOL 4A
		1341	5A	41°12.2770	-72°39.2650'	272	6.7		SOL 5A
		1352	5A	41°12.3340	72°39.9360'				EOL 5A
		1354	6A	41°12.4170	72°39.9250'	090	4.2		SOL 6A
		1412	6A	41°12.4220'	72°39.3310				EOL 6A
		1414	7A	41°12.5020'	72°39.3220'	270	6.0		SOL 7A
		1428		41°12.5060'	72°39.8010				EOL 7A
		1433		41°12.5750'	72°39.4520	090	5.0		SOL 8A
		1444	8A	41°12.5720'	72°38.3390				EOL 8A
		1446	9A	41°12.5690	72°38.3440	003	4.6		SOL 9A
		1455	9A	41°13.2560	72°38.3520'				EOL 9A

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960615	167	1458	10A	41°13.2180	72°38.4490	179	4.8	4	SOL10A
		1506	10A	41°12.5620'	72°38.4600'				EOL10A
		1508	11A	41°12.5640'	72°38.5790'	0	4.8		SOL11A
		1516		41°13.2640'	72°38.5690'				EOL11A
		1519		41°13.2720'	72°38.6700'	180	4.8		SOL12A
		1527		41°12.5570'	72°38.6690				EOL12A
		1529		41°12.5460	72°38.7840'	0	4.8		SOL13A
		1538		41°13.2690'	72°38.7780'				EOL13A
		1540		41°13.2850'	72°38.8740'	180	4.9		SOL14A
		1549		41°12.5590'	72°38.8910'				EOL14A
		1551		41°12.5370	72°38.9910	0	5.1		SOL15A
		1559		41°13.2700'	72°38.9920				EOL15A
		1602		41°13.2760	72°39.0840	180	4.8		SOL16A
		1611		41°12.5600	72°39.0990				EOL16A

FALKNER ISLAND SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960615	167	1623	17A	41°13.2510'	72°38.2940	270	4.0	4	SOL17A
		1651		41°13.2540'	72°40.7320'				
		1653	18A	41°13.3400	72°40.7970'	90	5.6		SOL18A
		1712		41°13.3350'	72°38.3240'				EOL18A
		1714		41°13.4200'	72°38.3140'	270	3.8		SOL19A
		1745		41°13.4210'	72°40.7270'				EOL19A
		1747		41°13.5060'	72°40.7310'	90	6.0	4	SOL20A
		1805		41°13.5000	72°38.3340				EOL20A
		1808		41°13.5800'	72°38.2410'	270			SOL21A
		1837		41°13.5750'	72°40.7410				EOL21A
		1839		41°13.6640	72°40.7490	90	6.3		SOL22A
		1857		41°13.6622'	72°38.2810				EOL22A
		1900		41°13.7330'	72°38.3430	270	4.0		SOL23A
		1925		41°13.7400	72°40.7360				EOL23A

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960615	167	1927	24A	41°13.8220	72°40.7530	90	6.3	4	SOL 24A
		1945		41°13.8240	72° 38.3150				EOL 24A
960616	168	1201	25A	41°11.9260	72°38.3470	270	5.6	5	SOL 25A
		1220		41°11.9230	72°40.7390				EOL 25A
		1227		41°12.2570	72°40.7240	359.8	4.7		SOL 26A TRAWL marke
		1237		41°13.0230	72°40.7250				EOL 26A
		1239		41°13.0560	72°40.6220	180	5.2		SOL 27A
		1248		41°12.2400	72°40.6210				EOL 27A
		1251		41°12.2180	72°40.5190	359.8	4.7		SOL 28A
		1301		41°13.0240	72°40.5230				EOL 28A
		1307		41°13.0120	72°40.7370				SOL 29A
		1319		41°13.0240	72°39.4[illegible]				EOL 29A

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
960616	168	1321	30A	41°13.0900	72°39.5130	270	5.1	5	SOL30A
		1331		41°13.0920	72°40.7480				EOL30A
		1333		41°13.1690'	72°40.7690'				SOL31A
		1347		41°13.1740	72°39.4870'				EOL31A
		1352		41°13.2450'	72°39.3590	207	4.5	5	SOL32A
		1403		41°12.4670'	72°39.8930				EOL32A
		1405		41°12.4420'	72°39.8070	27	4.3		SOL33A
		1415		41°13.1590'	72°39.3250				EOL33A
			END OF FALKNER ISLAND SURVEY						
									~74.1km of tracklines

LONG SAND SHOAL SURVEY

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments	
960616	168	1528z	1B	41°14.2610'	72°28.5680	080	4.6	6	SOL 1B	10.37 km
		1628z		41°15.1980'	72°21.1820				EOL 1B	10.78 km
		1634z		41°14.7280'	72°20.9640'	260	5.6		SOL 2B	
		~~[illegible]~~		~~[illegible]~~	~~[illegible]~~				NAV down	~1655
		1712		41°14.100	72°25.484					
		1715		41°14.072	72°25.861					
		1721		41°13.991'	72°26.572'			7	Navigation is back	
		1729								
		1738		41°13.7800	72°28.5356'				EOL 2B	
			END OF LONG SAND SHOAL SURVEY							