U.S.G.S. GEOPHYSICS LOG

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ARGO MAINE

CIRCE' ARMN 92-1 MASS BAY

MAY 6-15, 1992

GEOPHYSICAL/SEISMICS LOG

92-1
ARMN 104835

U.S.G.S.
GEOPHYSICS
LOG

SHIP: Argo MAINE

CRUISE: ARMN 92-1

DATES: May 6-14, 1992

AREA: MASS BAY

CHIEF SCIENTIST: CIRCE

SHIP/CRUISE NO. / LEG ARMN 92-1

CHIEF SCIENTIST R. Cirse

AREA Mass Bay

TIME ZONE Z

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P sec.	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS (VHS Settings: CH1 - HD Filtered Signal; CH2 - HD - Raw Signal; CH3 - Norm; CH4 - Time Code; Key)
	11:15	92/05/07	178	4.3	GPS	GEOPULSE@280j	1/4	1/2 sec fine	500-2kHz	VHS1	VHS1 RAY1 ODOM1 TDR1		Start tape VHS 1
	1221	JD128				"							change to 175j
1	1320									VHS2			ENDS VHS TAPE 1 / STARTS VHS 2
	1348												BRINGING SIRES AND UP CRASHED AT BOTTOM
	1351												Recorder off 92 20 34
	~~1444~~												Fish crashed. ALL SYSTEMS DOWN BUT NAV
	1444												Turned around Heading N to where we had problem
	1524												Putting fish in water
	1528												Fathometer ODOM back on
	1550												Hauling fish partway up
	1810												starting to stream SSS on L1
	1855												Boomer off gillnets
	1923									VHS2			RESUME Recording TAPE VHS 2
1	1955												EOL 1
	2000										RAY1		~~Recorder~~ EPC off - change paper change belt
	2018										RAY2		EPC Recorder back on
2	2033												SOL 2
2	2056												EOL 2
	2104									VHS2			~~Starting tom~~ pulling fish to be replaced by EG+G
	2104									2	RAY2		EO TAPE 2
	0131	920508											Run into Boston - for repairs
	0442	JD129											AR Boston CG Base
	1728	920508											DEP BOSTON

SHIP/CRUISE NO./LEG ARMN 92-01 AREA Mass Bay

CHIEF SCIENTIST R. Circe TIME ZONE Z

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
3	1951	920508				Geopulse. 280 j	1/4	1/2 s fire	500-2KHZ		EG&G 1		SOL 3
		JD 129											EG&G working Q-Mips Down
	2023:40									VHS3			SO TAPE 3 - VHS
	2043												ODOM ON
	2058												EG&G coming in - sporadic signal
	2059:45												EG&G OFF ODOM @ STANDBY
	2101												FISH ON DECK
	2107:49												STOPPED VHS RECORDER (44 min)
	2258												ODOM ON
	2308												EG&G in water + working
	2310					42° 23.7 70° 41.3				VHS3			VHS RECORDER BACK ON
	2319												EPC RECORDER BACK ON
	2320					42° 23.9 70° 40.8							Resume Line 3
	2330	130								VHS4			CHANGE VHS CASSETTE 3/START 4
3	0235 0226	MAY 2								VHS5	EG&G 1		EOL 3 END VHS TAPE 4/START 5 END EG&G ROLL #1
	0341												VHS RECORDER OFF (70)
	0245?												EG&G CABLE CAUGHT IN
													Shrewbite on deck during
													turn to line 4
	0342												ODOM off
	0400												Break off survey till daylight 7:00
JD 130	1203												Fish back in water.
4	1230												SOL 4, Start Tape #5
	1250											Stop Tape #5	Lost signal from fish EOL 4
	1258												Pulling in fish (Snagged lobster pot Broke connector)
	1402												Fish Back in Water

SHIP/CRUISE NO./LEG ARMN 92-01 AREA Mass Bay

CHIEF SCIENTIST R. Circe TIME ZONE Z

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	SWP SEC	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
	1409					Geopulse . 280j	1/4	1/2 sec fire	500-2KHZ				
SOL5	1416	JD 130											Restart Tape #6 SOL 5 (continuation of Line 4)
	1450									VHS6			ended tape #5 start tape #6
	1454												EOL 5
SOL6	1603												SOL 6
	1636												LOST EG+G Signal - pulled fish
	1645												EG+G in water
	1655									VHS7			END VHS TAPE #6 / START #7
6	1707	130			42° 29.3 70° 37.3								EOL 6
	1713	MA19											TDU paper off during transit
	~~1713~~	1744??											pull fish to change cable
	1800												Q-TIPS, ODOM, EG+G + EPC on STBD
	1806												VHS RECORDER OFF DURING TURNS
	1836												EG+G in water
	1846												Turned on boomer + VHS
7	1847				42° 31.9 70° 40.1								SOL 7
	1939												TURNED OFF TDU - lite recorder
	1944									VHS8			END VHS #7 / START VHS #8
	2013												EO ODOM ROLL #1
	2019										ODOM 2		SO ODOM ROLL #2
7	2151	130			42° 17.95 70° 39.92								EOL 7
	2157												EO EPC ROLL 1
	2201										EPC 2		SO EPC ROLL 2 / non belt
	2204									VHS9			END VHS #8 / START VHS #9
8	2233		102	4.7	42° 20.16 70° 41.10								SOL 8
	2243												Turned off TDU

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LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
8	2344	920509				Geopulse . 280j	1/4s	1/2s fire	500-2KHZ				END OF EGG Roll 2
	2363	JD130									EGG3		START EG+G Roll 3
	0014	131								VHS 10			END VHS #9 / START VHS #10
8	0032				42°23.57 70°29.95								EOL 8
9	0111	131			42° 21.20 70° 30.08								SOL 9
	0217									VHS 11			END VHS #10 / START VHS #11
9	0243												EOL 9
	0254												Q-MIPS + EGG stopped / EG+G blew out
													Snagged buoy on Uni boom
													pulled EG+G, Uni + streamer
													Steamed to next line
	0347												Gear in + on
10	0413												SOL 10
	0438												End VHS #11
	0439									VHS 12			Start VHS #12
	0520				42°18.8 70° 29.97								EOL 10
11	0603				42°16.41 70°30.23								SOL 11
	0642									VHS 13			End VHS #12 / Start #13
	0648												EOL 11
	0657												Hauled fish all the way in to avoid fishing gear.
	0707												Shut recorder off
	0715												Recorder Back on
12	0730				42°16.22 70°35.00								SOL 12
	0842												Lost fish signal, Hooked on to gear?
	0845									VHS 13			End VHS #13
	0848												Fish on Deck + dead! Connector damaged

SHIP/CRUISE NO./LEG ARMN 92-01 AREA Mass Bay

CHIEF SCIENTIST R. Circe TIME ZONE Z

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	SWP sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS
	0852	JD 131				Geopulse . 280J	1/4s	1/2 sec fire	500-2KHZ				Problem w/ fish. Recorder shut off
	0932	May 10											Letting fish out
	0938												Diverting for line 12. Testing fish. Only getting very narrow
	0949												band of data on sidescan
													ODEM Gathering data on GPS ON
										VHS 14			Start VHS # 14 (Tape)
12	0950												Restart Line 12
12	1015												EOL 12, Stopped? VHS tape #14
	1017												All equipment shut down, pulling everything
	1334												ODEM EATH. BACK ON
	1405												Recorder Back ON
13	1423												SOL 13
	1425												Restart VHS tape #14
	1435												EOD 15 / SOD 16
	1449												Shutting down OMIPS
	1511												OMIPS BACK ON
13	1516												EOL 13
14	1555												SOL 14
14	1608									VHS 14		caught net	EG+G, ODEM, EPC, VHS off
	1630												broke off survey - [illegible]
	1733												AR Gloucester CG Base for parts
	1951	132											DEP Gloucester
15	2205	MAY 11			42°23.8' 70°34.9 42°32.1 70°39.6	Geopulse off - heavy seas							SOL 15
15	2259					+ VHS Recorder off							EOL 15
	[illegible]												FISH being respliced 2X
	0226	133											EG+G fish in water, ODEM on

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

AREA

TIME ZONE

6/9

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	SWP sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS
16	0251	JD133				Geopulse 175j	1/4s	1/2s fire	500-2KHZ	VHS 15	EPC 3		SOL16/START VHS15/EPC 3
↓	0357	MAY12	0257										RESET ODOM
16	0420											EOL16?	PULLING FISH UP CAUGHT ON LOBSTER POT
	0421												LOST SIGNAL
	0424 0511												Shut VHS Tape #15 off
	0520												Pulling in hydrophone
	1219												Putting fish in water
	1241												Putting in streamer & sled
	1356									VHS 16			Started VHS Tape #16
17	1400			5.9									SOL 17 - OFFset from line
↓	1404												Turning back on to Line
	1528										EGG#4		END EGG 3/START EGG 4
	1559									VHS 17			END VHS 16/START VHS17
17	1623				42°23.49 70°45.05								EOL 17
18	1702				42° 22.5 70°43.3								SOL18
	1705										EPC#2		END EPC#2
	1707										EPC#3		START EPC#3
	1803									VHS18			END# VHS17/START VHS18
	1850										ODOM2		END ODOM #2
	1854										ODOM3		START ODOM3
↓	2007				42°26.86 70°29.97					VHS19			END VHS18/START VHS19
18	2018												EOL18
19	2039:30												SOL19
	2210									VHS20			END VHS19/START VHS20
	2235										EGG4		END EGG#4
	2237										EGG5		START EGG5

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

AREA

TIME ZONE

7/9

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START/END	DATA ROLL # START/END	MAGNETICS	COMMENTS
19	2245	133	252	4.1	42°21.72 70°42.73	Geopulse . 175j	1/4S	1/2s fire	500-2KHZ				EOL19
20	2305	MAY/12			42°20.91 70°41.70								SOL20
	0014	134				EG+G 1100 ms			100KHZ		VHS21		END VHS20 / START VHS21
20	0028												EOL20 @ DARK
												ALL	Q-MIPS, EG16, EPC, ODEM, VHS
21	1130												SOL 21 - Bathy SOL 5
21	1208												EOL 21
22	1228												SOL 22
22	1326												EOL 22
23	1345												SOL 23
23	1405												EOL 23
	1532												Putting ODEM in water
	1534												ODEM recorder on
	1535												Fish in water
24	1545												SOL 24 300m wire out
↓	1600												275m wire out
24	1609												EOL 24
25	1611:30												SOL25
↓	1627				42.2886 70.4791								SITE 4A
25	1651												EOL 25
	1735										EG65		END ROLL EG+G 5
26	1736				42°18.47 70°25.41								SOL 26
	1737										EG66		SO ROLL EGG #6
↓	1753:30				42° 17.27 70°25.44								EAST OF SITE 4
26	1805				42° 16.51 70°25.40								EOL 26
27	1814												SOL 27

SHIP/CRUISE NO. /LEG

CHIEF SCIENTIST

AREA

TIME ZONE

8/9

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
27	1836	134				EG&G 100m swath			100KHZ				EOL 27
	1839	May 13											EG&G off + in
	1846												ODOM off + in
	1941												Dau crash + back up
	1948												ODOM on
	1951				42° 50.42 70° 34.89	Geopulse 175J	1/8 S	1/2 s fire	500-3KHZ				EPC on
	2000					PAPER CH 1 = PORTSIDE = 100m							Resume VHS #21 - already 14 min
						CH2 - STBD = 100m							
						CH3 = BOOMER							
28	2027				42° 17.92 70° 35.00								SOL 28
	2102												Q-Mps TDU on
	2120												TDU off
	2149									VHS22	VHS23		END VHS21 / START VHS23
	2230												caught pot - pull fish
28	2231				42° 26.46 70° 35.01							OFF	EG&G-MIPS ODOM EPC + VHS EOL 28
30	1397 1400	135				Ime 29 S 135/1232						SOL 30	END EPC 4
	1404	May 14				E 135/1245	Shortened - too much fishing gear						START EPC 5
30	1412												EOL 30
31	1420												SOL 31
31	1446												EOL 31
32	1516												SOL 32
	1516												RESTART VHS TAPE #22
	1556										EG67		EO ROLL EG67
	1617												EPC OFF - CHANGE BELT
	1620												EPC ON AGAIN
	1630									VHS23			END VHS 22 / START VHS 23

SHIP/CRUISE NO. / LEG

CHIEF SCIENTIST

AREA

TIME ZONE

9/9

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM	S/P sec	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
32	1652	135				Geopulse 175j	1/4s		500-3KHZ				EOL 32
	1655	May 14											STOP VHS #23