104952
SEAX 95007

Q-MIPS LOG

SEAX 95007

SHIP AND CRUISE: SEAWARD EXPLORER

AREA: Long Island - NY Bight

DATES: May 7-25, 1995

CHIEF SCIENTIST: Schwab

104952

SEAWARD EXPLORER '95

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
1	128	1623	L1F1.DAT	1	SOL 1: 15 db gain on port and starboard; 12 db on subbottom. 0.25 s ping rate. {also running 15 cubic-inch water gun: TAPE 1: 0.5 s sweep; 5 s fire 80 Hz to 2 kHz kHz filters; CHANNEL 1: 18db pre-filter gain; 12db post-filter gain. CHANNEL 2: 6db pre- and post-filter gain}
1	128	1653	L1F1.DAT	1	ISIS ERROR. REBOOT SYSTEM.
1	128	1659	L1F2.DAT	1	Start new file. BACK ON LINE. Featureless "hard" bottom. No targets to tune the sidescan.
1	128	1715	L1F2.DAT	1	ISIS DIED AGAIN. Having problem with the 8 mm tapes???
1	128	1719	L1F3.DAT	1	Start new file....ABORT
1	128	1723	L1F3.DAT	1	Could not wirte to exabite. ISIS shut down????? ABORT
1	128	1820	L1F3.DAT	1	Replace 8 mm drive. Start of File.
1	128	1840	L1F3.DAT	1	Appears that we may be seeing linear rippled depressions. Cannot resolve ripples, but higher backscatter areas located in "swale."
1	128	1903	L1F3.DAT	1	End of Line 1.
1	128	1913	L2F1.DAT	2	Start Line 2 {This is a rerun of the first line....the first line was a typical test line} {Stopped and restarted XSEISMICS. Used same filter and gain settings as Line 1in the beginning.....altered them to: CHANNEL 1: 18db pre-filter; 24db postfilter. CHANNEL 2: 6db pre; and 18db post}
1	128	1950	L2F1.DAT	2	Possible fault with surface expression?
1	128	2025	L2F1.DAT	2	Seeing ripples sidescan in mottled high-backscatter area (these will NOT show up on the processed file....crests trend NE-SW)
1	128	2040	L2F2.DAT	2	End of File/Start of File
1	128	2048	L2F2.DAT	2	Again ripples clearly in high-backscatter depression oriented NE-SW)
1	128	2055	L2F2.DAT	2	Start of about 4 minutes of low-amplitude assymetric rippled depressions....looks like a series of sand waves on the sidescan (low backscatter areas are the topo-highs)
1	128	2150	L2F2.DAT	2	Starting to see clear penetration on the Chirp subbottom. Water gun profile showing a deep reflector @ approx 0.165 sec. and a clear channel in the Quaternary section.
1	128	2230	L2F2.DAT	2	End of Line 2; End of File.

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
2	128	2240	L3F1.DAT	3	Start of Line 3; Start File
2	128	2250	L3F1.DAT	3	Chirp subbottom reflector looks like it is showing signs of gas-charged sediment!...Still seeing this @ 2331 Z.
2	128	2329	L3F1.DAT	3	ISIS Froze. Lost 10 min of sidescan data.
3	128	2339	L3F2.AT	3	New Tape, Start new File.
3	128	2350	L3F2.DAT	3	See a well defined "channel" on water gun profile. Chirp subbottom is looking wild.
3	129	0004	L3F2.DAT	3	Continue to see thermociline noise in low backscatter areas. Now run into a relatively higher bs linear trend with barely visable negative relief....on the order of ~1 meter.
3	129	0020	L3F2.DAT	3	Series of high-bs stringers that are clearly depressions cutting across a low-bs subtle topographic high.
3	129	0036	L3F2.DAT	3	Acoustic pull down (gas?) is not as pevalent in the Chirp subbottom any longer. Seeing data drop-outs approximately every 5 min.
3	129	0055	L3F2.DAT	3	Numerous high-bs targets (principally on port channel). Looks like "dumping," but not clear.
3	129	0106	L3F3.DAT	3	File Change.
3	129	0142	L3F3.DAT	3	End of Line 3/End File. Seeing real strong reflector dipping to east on water-gun profile.
3	129	0148	L4F1.DAT	4	Start Line 4/Start File {Sidescan record seems much clearer...the previous line seemed to have noise throughout it, therefore the contrast was muted.
3	129	0309	L4F2.DAT	4	File Change.
3	129	0315	L4F2.DAT	4	Looks like low amplitude (~1m) sand waves.... again high-bs areas in topo lows.
3	129	0330	L4F2.DAT	4	Chirp subbottom showing little penetration...corresponds to generally high-bs area (at 033Z start to see areas of penetration, suggesting gas-charging (?)).
3	129	0404	L4F3.DAT	4	FILE CHANGE
3	129	0410	L4F3.DAT	4	small scale ripple pattern
3	129	0423	L4F3.DAT	4	SMALL SCALE RIPPLE FIELD assoc. with about 5m. penetration on chirp subbottom
3	129	0435	L4F3.DAT	4	ripple field ?

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
3	129	0445	L4F3.DAT	4	A few possible Dumpsites on port channel. (± 5 min of 0445Z).
3	129	0449	L4F3.DAT	4	End of Line 4/End of file.
3	129	0501	L5F1.DAT	5	start o line 5
3	129	0515	L5F1.DAT	5	into localized dump areas and pseudo ripple world
3	129	0545	L5F2.DAT	5	FILE CHANGE
3	129	0555	L5F2.DAT	5	looks like a cable on da bottom
3	129	0608	L5F2.DAT	5	high backscatter stringer features trending across entire swath
3	129	0625	L5F2.DAT	5	lost signal on one of the hydrophones-batteries?
3	129	0626	L5F3.DAT	5	new file and back on line with benthos phone
3	129	0640	L5F3.DAT	5	mottled- high bs areas in slight topo depressions
3	129	0650	L5F3.DAT	5	patches of high bs areas
3	129	0709	L5F4.DAT	5	FILE CHANGE
3	129	0725	L5F4.DAT	5	HIGH BS areas through entire swath within slight depression
3	129	0735	L5F4.DAT	5	ridge/swale type features within a 4-5m depression-you figure it out-drops off in subbottom record as well.
3	129	0745	L5F4.DAT	5	those linear high bs stringer features have returned
3	129	0751	L5F5.DAT	5	file change
3	129	0808	L5F5.DAT	5	MR. LIGHTS-ON IRWIN IS UP AND HAVING A CUP O' MUD
3	129	0823	L5F5.DAT	5	EOL 5--end o' tape #3
4	129	0834	L6F1.DAT	6	SOL 6--start tape #4
4	129	0843	L6F1.DAT	6	high bs stringers in slight depression
4	129	0907	L6F1.DAT	6	ditto and bit o' structure in airgun records--relic channel and pinch out features
4	129	0918	L6F2.DAT	6	FILE CHANGE
4	129	0926	L6F2.DAT	6	TRANSITION TO HIGH BS --no apparent subbottom expression of this feature except for a few m. rise in bottom topo.
4	129	1000	L6F3.DAT	6	new file

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
4	129	1011	L6F3.DAT	6	more of those large scale high bs stringers over the entire swath area seem to b associated with subtle depressions in the topography.
4	129	1045	L6F3.DAT	6	attempted file change and a minor crash--how unusual! FILES F4 - F5 ARE TRASHED.
4	129	1058	L6F6.DAT	6	SYSTEM BACK UP AND NEW FILE
4	129	1135	L6F6.DAT	6	LITTLE PILES OF HIGH BS AND MORE LINEAR PATTERNS to follow till eol.
4	129	1205	L6F6.DAT	6	EOL 6
4	129	1213	L7F1.DAT	7	SOL 7
4	129	1231	L7F2.DAT	7	End of File/Start File. Attempting to reset gains, having problems. Started screwing with the power settings (not Good).
4	129	1232	L7F2.DAT	7	Stop ISIS.
4	129	1234	L7F3.DAT	7	Restart ISIS; reset gainst to original settings (15 db port and starboard.....9 db Subbottom-----Power on subbottom set at 6 db.)
4	129	1250	L7F3.DAT	7	GAIN PROBLEMS W. ISIS---RAISE/LOWER TO GET BACK TO 15db and 9db for subbottom.
4	129	1308	L7F3.DAT	7	Seeing trawl marks...real subtle.
4	129	1319	L7F4.DAT	7	Change File. Seeing great example of acoustic blanking on Chirp subbottom again. NAVIGATION IS NOT UPDATING.
4	129	1324	L7F4.DAT	7	NAVIGTION IS LOCKED UP. HAVE HAD NO NAVIGATION SINCE APPROXIMATELY 1315 Z. {Pilot Error.....turned off the nav system when changing the fathometer paper-record. The imagery in this area was relatively low-bs with subtle trawl marks.
4	129	1408	L7F4.DAT	7	Target on starboard channel (shown as wreak on chart)
4	129	1413	L7F4.DAT	7	Beginning to see sand waves trending across entire image...with about 1.5 m relief.
4	129	1442	L7F5.DAT	7	start new file - gain problems-processing seems to show that we are amplifying the noise with the 15 db gain settings. Therefore reset gains to 6 db on sidescan channels.
4	129	1458	L7F5.DAT	7	XSEISMIC acquisition system shutdown.....Disk Full. Rebooting.
4	129	1507	L7F5.DAT	7	XSEISMICS back on line. START Tape 2

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
4	129	1513	L7F5.DAT	7	Continue to see low-bs stringers in topo lows.
4	129	1535	L7F5.DAT	7	EOL 7
4	129	1548	L8F1.DAT	8	SOL 8
4	129	1632	L8F1.DAT	8	Clearly seeing major unconformity (coastal plain reflector(?)) on Chirp subbottom profile.
4	129	1644	L8F1.DAT	8	Hit high-bs area and lost subbottom penetration on the Chirp.
4	129	1645	L8F2.DAT	8	Change files.
4	129	1650	L8F2.DAT	8	Seeing clear penetration on Chirp subbottom again.
4	129	1717	L8F2.DAT	8	Here seeing the same blanking on the Chirp subbottom that we saw previously, however, not that the gains have been reduced, the blanking seems to be assocated with a minor change in bs-intensity; i.e., the blanking could be associated with lack of penetration through a surficial sandier sediment cover.
4	129	1724	L8F2.DAT	8	Turn off the Water-Gun for Compressor repair. NOTE: Seeing the unconformity coming to about 2-m from the surface on the Chirp subbotom.
4	129	1738	L8F3.DAT	8	Change File. Saw some Thermocline noise last 10 min.
4	129	1740	L8F3.DAT	8	Target on Port channel.
4	129	1743	L8F3.DAT	8	Target on Port channel.
4	129	1744	L8F3.DAT	8	Water-Gun Back on Line. Start X-Seismics.
4	129	1747	L8F3.DAT	8	Targets on starboard side....actually starting to see individual targets on both channels. {{{{{BILL NOTED DURING CRUISE THAT THE FISH COMPASS IS APPROXIMATELY 32° OFF}}}} {{{{We will check it on next line}}}}.
4	129	1810	L8F3.DAT	8	Seeing cables(?) on both channel.
4	129	1817	L8F3.DAT	8	End Paper roll #1
4	129	1827	L8F3.DAT	8	Start Paper Roll # 2.
4	129	1923	L8F3.DAT	8	Wreck on starboard side. Big one.
4	129	1927	L8F3.DAT	8	End of Line. Change Tape. Next two lines will be cross-lines (line 9 will run through the dumpsites to set the processing parameters)

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
5	129	1942	L9F4.DAT	9	Start Line/Start new Tape # 9/ Start file [PROBLEMS WITH GETTING ISIS GOING....AGAIN:::FILES F1 THROUGH F3 ARE BOGUS]
5	129	2015	L9F4.DAT	9	Going over localized topo high with "obst" listed on chart. Still not seeing clear areas of high backscatter. Chirp and water-gun subbottom suggests it is a hard bottom (no penetration) but the imagery shows isolated high-bs "spots" (no clear rock ledges or outcrops).
5	129	2029	L9F4.DAT	9	This reallylooks like hard outcrop with boulders. Finally, looking like sidescan data.
5	129	2032	L9F4.DAT	9	Getting into to the dredge-spoil dumpsite & starting to see what appears to be dumps!
5	129	2051	L9F4.DAT	9	End of Line/Pull Tape for processing/End Tape 9
6	129	2053	L10F1.DAT	10	Start line 10/Start Tape #6
6	129	2113	L10F1.DAT	10	End of file. Looks like we snagged something. Pulled fish to surface to check.
6	129	2116	L10F2.DAT	10	Lower Fish. Start new File.
6	129	2132	L10F2.DAT	10	Seeing great penetration on the Water-gun profiles but not much in the Chirp record....plenty of sewage dumps!
6	129	2137	L10F2.DAT	10	Haul in fish a bit {At same tape mark it was at for most of the cruise}
6	129	2214	L10F3.DAT	10	File Change. Imagery is low-backscatter.
6	129	2250	L10F3.DAT	10	Played with fish altitude...ended up bringing it in a few meters.
6	129	2316	L10F4.DAT	10	File Change. Reset bottom-track to sidescan channel.
6	129	2325	L10F4.DAT	10	Linear Rippled Depressions transecting the imagery. This heading seems to show the ripples better than what we saw previously.
6	129	2329	L10F4.DAT	10	ISIS froze. System off. Watchstanders asleep.
7	130	0001	L10F5.DAT	10	Restart ISIS/Start new field.
7	130	0020	L10F5.DAT	10	End Line 10.
7	130	0025	L11F1.DAT	11	Start Line 11. First "fill-in" line.

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
7	130	0126	L11F2.DAT	11	Change File (seeing high-bs depressions; thinking that the reason we are not seeing ripples is the orientation of the line----the tie-line showed them well (line 10)
7	130	0157	L11F2.DAT	11	Haul in fish.
7	130	0206	L11F2.DAT	11	See thermocline. Pay out a few meters.
7	130	0217	L11F2.DAT	11	Starting to see a lot of noise, especially in the far range. Fish is approx 10 m off bottom (likely prop noise or surface chop which is beginning to pick up)
7	130	0240	L11F3.DAT	11	Fix Side-mount. Raise fish, shut-down fathometer, Change File.
7	130	0248	L11F3.DAT	11	Bring in Fish shallow tow.
7	130	0250	L11F3.DAT	11	Fathometer back on. Lower Fish.
7	130	0252	L11F3.DAT	11	Back up to speed, towing fish @ approx 11m off bottom. picking up a lot of prop noise on the starboard channel that was not noticeable before the repair.
7	130	0257	L11F3.DAT	11	Reset the Starboard gain (correcting an "autogain" problem). Chirp subbottom showing some discrete channels. Great Water-gun records.
7	130	0310	L11F3.DAT	11	Thermocline noise comes in again.
7	130	0319	L11F3.DAT	11	Blanking on Chirp profile comes and goes. It really looks more and more like gas-charged sediment.
7	130	0335	L11F4.DAT	11	Change File.
7	130	0419	L11F4.DAT	11	EOL 11
7	130	0426	L12F1.DAT	12	SOL 12 AND THE USUAL GAIN CHANGE AND FILE CHANGE PROBLEMS
7	130	0443	L12F6.DAT	12	FINALLY IT TOOK! Missing files are wasted while we tried to boot up the system.
7	130	0530	L12F7.DAT	12	FILE CHANGE MANIA and leave printer off for awhile---this is only a test!
7	130	0538	L12F7.DAT	12	some structure in subbottom record from isis and acoustically opaque areas(gas?)
7	130	0551	L12F7.DAT	12	patchy areas of high bs across record and the printer is back
7	130	0605	L12F8.DAT	12	A FILE CHANGE THAT WAS NOT PARTICULARLY TRAUMATIC!

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
7	130	0630	L12F8.DAT	12	COARSER PATCHES,NO PARTICULAR SYMMETRY,BIT OF THERMOCLINE AS WELL
7	130	0650	L12F9.DAT	12	HAPPY FILE CHANGE-NO HANGEUPS!
7	130	0700	L12F9.DAT	12	COARSER STRINGER IN SLIGHT TOPO DEPRESSION AND AN ANCHOR CHAIN OR CABLE
7	130	0720	L12F9.DAT	12	SHIP LOST POWER-FUEL FILTER CLOGGED ON GENERATOR
7	130	0808	L12F9.DAT	12	POWER IS BACK-FIRING UP DA LAB-WILL RESTART LN12 APPROX .5NMI FROM BEFORE LOSS OF POWER-APPROX 73D32M LONGITUDE
8	130	0944	L12F10.DAT	12	RESTART LN 12 AND A NEW FILE AND TAPE
8	130	0959	L12F10.DAT	12	COARSE PATCHES O' SED IN TOPO LOWS
8	130	1003	L12F10.DAT	12	EOL 12
8	130	1009	L13F1.DAT	13	SOL13 AND NEW FILE
8	130	1025	L13F1.DAT	13	HIGH BS ELONGATED BANDS ACROSS ENTIRE SWATH -IN TOPO LOWS
8	130	1051	L13F2.DAT	13	DITTO AND NEW FILE
8	130	1120	L13F2.DAT	13	HIGH BS ACROSS THE BOARD
8	130	1136	L13F3.DAT	13	NEW FILE
8	130	1236	L13F4.DAT	13	NEW FILE
8	130	1303	L13F5.DAT	13	NEW FILE
8	130	1330	L13F5.DAT	13	Wreck(?).
8	130	1344	L13F5.DAT	13	EOL 13. We are running into a lot of wave noise on the records when running in water depth < 20 m.
8	130	1407	L14F1.DAT	14	Start Line 14.
8	130	1424	L14F1.DAT	14	Lower Fish to previous depth (double tape mark).
8	130	1436	L14F1.DAT	14	End File. Data gap, avoiding trawler. Try to pick up line latter.
8	130	1446	L14F2.DAT	14	BACK ON LINE-3db port/stbd gains-9db subbottom
8	130	1530	L14F3.DAT	14	file change

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
8	130	1613	L14F4.DAT	14	File Change. Trawl marks. Seeing a lot of noise as the weather deteriorates. Weather forcast is not in our favor. Winds blowing approx 15 kts now. Due to increase tonight and die down tomorrow. However, wave height is about 2-3' not and scheduled to be 10-12 by tonight.
8	130	1705	L14F5.DAT	14	Change File {Problems with gain. Not set until 1712Z. New Subbottom gain set at 18 d).
8	130	1730	L14F5.DAT	14	Wreck on port channel.
8	130	1845	L14F5.DAT	14	End Line. Pull Gear and hide from the weather.
9	131	1627	L15F1.DAT	15	Weather improving. Start Line 15/Start File. Seeing pitch noise but reasonable data. Getting a lot of prop noise due to swell/shallow water. Chirp subbottom is poor due to swell noise. NOTE: Missed the first nautical mile on this line.
9	131	1726	L15.F1.DAT	15	Barely discerable linear high-bs stripes across the entire record {trawl marks??}.
9	131	1749	L15F2.DAT	15	File change.
9	131	1829	L15F2.DAT	15	Good image of a wreck on port channel.
9	131	1831	L15F3.DAT	15	Changed files on ISIS, 10000 records reached
9	131	1855	L15F3.DAT	15	Wire up.
9	131	1919	L15F4.DAT	15	Change file.
9	131	1950	L15F4.DAT	15	Auto Gain Change.
9	131	1952	L15F4.DAT	15	Change course because of vessel traffic.
9	131	2002	L15F4.DAT	15	Ship's wake showing up diagonally across the sonar record.
9	131	2016	L15F4.DAT	15	End of line 15.
9	131	2023	L16F1.DAT	16	Start of line 16, course 270.
9	131	2052	L16F1.DAT	16	The Chirp Subbottom is getting better (this ship heading seems to retard the heave). See the unconfomity rather well.
9	131	2151	L16F2.DAT	16	File change.
9	131	2229	L16F2.DAT	16	Trawl marks. Also a real gassy area in the Chirp subbottom.
9	131	2240	L16F3.DAT	16	Deep penetration on the Chirp - gas?
9	131	2245	L16F3.DAT	16	Laminated reflections in chirp

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
9	131	2302	L6F3.DAT	16	Fish in about 2 meters.
9	131	2319	L16F3.DAT	16	Fish in again 2 meters.
9	131	2327	L16F3.DAT	16	Passed really close to a big container ship. Echo on port channel....also will see the wake.
9	131	2330	L16F3.DAT	16	EOL 16...ISIS froze up. Rebooted sucessfully and installed a new tape.
10	131	2335	L17F1.DAT	17	Start of line 17. ISIS running OK.
10	132	0025	L17F2.DAT	17	Back in the gassy area
10	132	0103	L17F4.DAT	17	Changed files to file 3, but ISIS screwed up. Changed again to file 4, and ISIS is OK. Printer was on during file change. Leave printer off until end of line....need to reboot ISIS in order to try and get printer on.
10	132	0146	L17F5.DAT	17	File Change.
10	132	0209	L17F5.DAT	17	Having problem tracking bottom using the subbottom. Switched to Channel 1.
10	132	0242	L17F6.DAT	17	File change.
10	132	0322	L17F6.DAT	17	End of Line 17/End file. Attempt to get printer running again during turn by rebooting ISIS. Start new tape 11.
11	132	0334	L18F1.DAT	18	Start new Tape. Start Line 18.
11	132	0417	L18F2.DAT	18	n ew fileage-high patchy bs areas on slight topo high
11	132	0506	L18F3.DAT	18	sof
11	132	0545	L18F4.DAT	18	sof
11	132	0621	L18F4.DAT	18	ambrose light off port side-patchy,high bs stuff,and fish up a tad and small scale ripples
11	132	0632	L18F5.DAT	18	sof
11	132	0646	L18F5.DAT	18	manuvering to avoid vessel or crash and burn
11	132	0654	L18F5.DAT	18	eol-too much ship traffic-bring fish up some moa-more manuvering to avoid things that go bump in the night
11	132	0723	L19F1.DAT	19	sol 19
11	132	0747	L19F1.DAT	19	altering course-ambrose light passing off our starboard side-fish up a bit
11	132	0757	L19F1.DAT	19	back on course

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
11	132	0807	L19F2.DAT	19	SOF
11	132	0852	L19F3.DAT	19	SOF
11	132	0937	L19F4.DA	19	SOF
11	132	0950	L19F4.DA	19	PATCHY AREAS OF HIGH BS ACROSS ENTIRE SWATH
11	132	1022	L19F5.	19	SOF
11	132	1101	L19F5.	19	EOL 19
11	132	1106	L20F1.DAT	20	SOL 20
11	132	1151	L20F2.DAT	20	SOF and the beginning of those high bs patches across the swath
11	132	1235	L20F3.DAT	20	sof
11	132	1240	L20F3.DAT	20	paper change
11	132	1246	L20F3.DAT	20	on line
11	132	1320	L20F4.DAT	20	SOF
11	132	1406	L20F4.DAT	20	PASSING AMBROSE LIGHT TO STBD.
11	132	1432	L20F4.DAT	20	Passing a big container vessel. will see shadow and wake on port channel.
11	132	1440	L20F4.DAT	20	EOL 20
12	132	1448	L21F1.DAT	21	SOL 21 AND TAPE 12
12	132	1524	L21F1.DAT	21	TARGET-WRECK?
12	132	1537	L21F2.DAT	21	START NEW FILE.
12	132	1618	L21F2.DAT	21	Seeing what looks like a boat wake.....but NO BOAT?? Could be a pipeline???
12	132	1628	L21F3.DAT	21	Start of File.
12	132	1700	L21F3.DAT	21	Linear Rippled Depression (the ripples show up).
12	132	1711	L21F4.DAT	21	Start of File
12	132	1722	L21F4.DAT	21	Continue to see evidence of ripples in the high-bs areas.
12	132	1753	L21F5.DAT	21	Change file.
12	132	1801	L21F5.DAT	21	Shut down system. Ship Generator Problems.
13	132	1901	L21F6.DAT	21	Back on Line. Start new File.

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
13	132	1929	L21F6.DAT	21	Possible wreck on stbd side
13	132	1944	L21F6.DAT	21	End of Line 13.
13	132	1949	L22F1.DAT	22	Start Line14
13	132	2033	L22F2.DAT	22	SOF
13	132	2057	L22F2.DAT	22	Negative relief associated with the high-bs areas.
13	132	2115	L22F2.DAT	22	Good image of ripples in a minor topo-low.
13	132	2120	L22F2.DAT	22	Starting to see some good subbottom penetration on the Chirp.....appears to be related to the texture of the surface sediment (penetrates best in areas of low-bs).
13	132	2129	L22F3.DAT	22	File Change.
13	132	2218	L22F4.DAT	22	File Change. Wreck on starboard channel.
13	132	2231	L22F4.DAT	22	Possible wreck on starboard channel.
13	132	2236	L22F4.DAT	22	Faint trawl-marks (?).
13	132	2254	L22F4.DAT	22	Lower fish
13	132	2311	L22F4.DAT	22	Good Chirp subbottom penetration.
13	132	2329	L23F1.DAT	23	Start Line 23.
13	132	2350	L23F1.DAT	23	Fish Out.
13	133	0012	L23F2.DAT	23	Change File.
13	133	0044	L23F1.DAT	23	Still excellent subbottom penetration. XSEISMICS is having problems. Continues to stop and start files.
13	133	0057	L23F3.DAT	23	Change File.
13	133	0113	L23F3.DAT	23	Seeing gas-charged area again.
13	133	0141	L23F4.DAT	23	Change File. May be named "L24F4.DAT" on the tape. Will have to check.
13	133	0224	L23F5.DAT	23	Change file. This file is incorrectly named "L24F5.DAT" on the tape. Will rename (L23F5.DAT) when transferred to Silicon Graphics Workstation.
13	133	0301	L23F5.DAT	23	End of Line 23
14	133	0307	L24F1.DAT	24	Start Line 24. New Tape.

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
14	133	0337	L24F1.DAT	24	Seeing large ripples in high-bs area on port channel. At 0335Z it looks like the Coastal Plain reflector outcrops here.
14	133	0349	L24F2.DAT	24	SOF
14	133	0431	L24F3.DAT	24	SOF
14	133	0500	L24F3.DAT	24	WIRE OUT
14	133	0514	L24F4.DAT	24	SOF
14	133	0536	L24F4.DAT	24	WIRE OUT
14	133	0558	L24F5.DAT	24	SOF
14	133	0620	L24F5.DAT	24	PATCHES OF HIGH BS W. SOME PENETRATION ON CHIRP
14	133	0640	L24F6.DAT	24	SOF
14	133	0705	L24F6.DAT	24	WIRE IN
14	133	0713	L24F6.DAT	24	EOL 24-MANUVERING TO AVOID TRAFFIC AND LOBSTER POTS-LOOKS LIKE 0701 IS A BETTER EOL FOR PLOTTING PURPOSES!
14	133	0733	L25F1.DAT	25	SOL 25
14	133	0741	L25F1.DAT	25	MANUVERING TO AVOID TRAFFIC
14	133	0748	L25F1.DAT	25	BACK ON LINE
14	133	0800	L25F1.DAT	25	PATCHY AREAS OF HIGH BS IN TOPO LOWS
14	133	0821	L25F2.DAT	25	SOF
14	133	0826	L25F2.DAT	25	HAVING PROBLEMS STARTING UP ISIS, SAME STUFF AS BEFORE
14	133	0904	L25F3.DAT	25	SOF
14	133	0947	L25F4.DAT	25	SOF
14	133	1020	L25F4.DAT	25	ALTERNATING PATCHES OF HIGH BS IN TOPO LOWS114 1
14	133	1030	L25F5.DAT	25	SOF
14	133	1112	L25F1.DAT	25	EOL 25. END OF TAPE
15	133	1118	L26F1.DAT	26	SOL 26
15	133	1202	L26F2.DAT	26	SOF
15	133	1245	L26F3.DAT	26	SOF

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
15	133	1331	L26F4.DAT	26	SOF
15	133	1415	L26F5.DAT	26	SOF
15	133	1425	L26F5.DAT	26	PATCHY HIGH BS AREASON SLIGHT TOPO HIGH
15	133	1501	L26F5.DAT	26	EOL 26
15	133	1509	L27F1.DAT	27	SOL 27
15	133	1550	L27F1.DAT	27	LOWER FISH.
15	133	1603	L27F2.DAT	27	SOF
15	133	1640	L27F2.DAT	27	WIRE IN ~ 1 METER
15	133	1646	L27F3.DAT	27	SOF
15	133	1652	L27F3.DAT	27	SMALL TARGET ON STARBOARD CHANNEL.
15	133	1704	L27F3.DAT	27	WIRE IN
15	133	1712	L27F3.DAT	27	WIRE IN.
15	133	1729	L27F4.DAT	27	SOF
15	133	1735	L27F4.DAT	27	RIPPLES IN HIGH-BS DEPRESSIONS (? LITTLE RELIEF IF ANY).
15	133	1811	L27F5.DAT	27	FILE CHANGE.
15	133	1845	L27F5.DAT	27	End Line 27.
15	133	1852	L28F1.DAT	28	START LINE 28
15	133	1935	L28F2.DAT	28	Change file.
15	133	2019	L28F3.DAT	28	File Change.
15	133	2024	L28F2.DAT	28	Good example of high-bs linear furrows (negative relief). HOWEVER, THE MORE YOU LOOK AT IT THE MORE EXCEPTIONS THAT YOU SEE. Going to have to look at the relationship between between the larger linear ridges and the high-bs areas.
15	133	2106	L28F3.DAT	28	Wreck on starboard channel.
13	133	2140	L23F3.DAT	23	Raise fish.
15	133	2147	L28F3.DAT	28	Wire in.
15	133	2211	L28F3.DAT	28	End Line 28.
16	133	2217	L29F1.DAT	29	Start Line 29. Start new Tape.
16	133	2300	L29F1.DAT	29	Paid out wire, fish alt = 17.5 meters

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
16	133	2329	L29F1.DAT	29	Screen Froze. ISIS error. Pull Tape.
17	133	2333	L29F2.DAT	29	Restart ISIS. New Tape. New File.
17	133	2353	L29F2.DAT	29	Wreck on starboard side.
17	134	0045	L29F2.DAT	29	WIRE IN.
17	134	0105	L29F2.DAT	29	Great example of linear high-bs depression....some ripples.
17	134	0116	L29F2.DAT	29	Crossing the fault...seeing a reflector coming up on the Chirp subbottom.
17	134	0209	L29F2.DAT	29	End Line 17
17	134	0224	L30F1.DAT	30	Start Line 30. (Delay in starting line related to ship engine problem) Going to put entire line on one file.
17	134	0306	L30F1.DAT	30	Sea Floor offset. Again, appears a subsurface reflector is outcropping. Also a wild set of refectors on the water-gun profile approaching vertical!!!!
17	134	0312	L30F1.DAT	30	Possible wrech on starboard channel.
17	134	0349	L30F1.DAT	30	End of Roll 3 (hard copy of SIS-1000 data).
17	134	0440	L30F1.DAT	30	GOOD PENETRATION ON ISIS 3.5KHZ
17	134	0506	L30F1.DAT	30	WIRE OUT ~ 2 METERS
17	134	0515	L30F1.DAT	30	WIRE OUT ~ 2 METERS
17	134	0529	L30F1.DAT	30	PATCHY HIGH BS AREAS
17	134	0540	L30F1.DAT	30	WIRE IN
17	134	0549	L30FI.DAT	30	MORE WIRE IN
17	134	0558	L30F1.DAT	30	WIRE IN AND A WRECK
17	134	0605	L30F1.DAT	30	BATHY HIGH-BEDROCK?
17	134	0616	L30F1.DAT	30	EOL 30
17	134	0629	L3OFI.DAT	31	SOL 31 - NAMED FILE WRONG!! SHOULD HAVE BEEN L31F1.DAT - RESTART AT 0631
17	134	0631	L31F1.DAT	31	FILE NAMED CORRECTILY!!! THIS TIME...SOL 31
17	134	0652	L31F1.DAT	31	WIRE OUT ~ 2 METERS
17	134	0657	L31F1.DAT	31	ISIS AUTO GAIN CHANGE CURSE IS BACK AND WIRE OUT
17	134	0701	L31F1.DAT	31	WIRE OUT ~ 2 METERS

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
17	134	0711	L31F1.DAT	31	SNAGGED LOBSTER BOUY - FISH UP TO CUT LINE
17	134	0715	L31F1.DAT	31	BACK ON LINE
17	134	0716	L31F1.DAT	31	PORT GAIN STILL BUGGERED UP (SEE ENTRY IN LOG BOOK.) RESET PORT GAIN, SHOULD BE O.K. NOW
17	134	0722	L31F1.DAT	31	WIRE OUT ~ 2 METERS
17	134	0743	L31F1.DAT	31	WIRE IN ~ 2 METERS
17	134	0805	L31F1.DAT	31	WIRE IN ~3 M
17	134	0907	L31F1.DAT	31	WIRE IN ~4M
17	134	0915	L31F1.DAT	31	LINEAR AREAS OF HIGH BS
17	134	1031	L31F1.DAT	31	EOL 31
18	134	1035	L32F1.DAT	32	SOL 32. Start Tape 18
18	134	1359	L32F1.DAT	32	RAISE FISH A BIT
18	134	1417	L32F1.DAT	32	EOL 32
18	134	1423	L33F1.DAT	33	SOL 33
18	134	1444	L33F1.DAT	33	FISH DOWN
18	134	1505	L33F1.DAT	33	FISH OUT
18	134	1515	L33F1.DAT	33	CHANNEL- ON WATERGUN RECORDS
18	134	1552	L33F1.DAT	33	WIRE IN.
18	134	1634	L33F1.DAT	33	ISIS AUTOMATIC GAIN CHANGE, WHAT A WONDERFUL FEATURE. RESET GAINS TO NORMAL.
18	134	1651	L33F1.DAT	33	WIRE IN
18	134	1708	L33F1.DAT	33	ISIS gets out of sync. Try to restart.
18	134	1710	L33F1.DAT	33	END FILE. Attempt to get ISIS back up and running correctly.
18	134	1711	L33F2.DAT	33	ISIS back on. Start New File. STILL FOULED UP IN THE BEGINNING.
18	134	1733	L33F2.DAT	33	ISIS automatically changed the gains once again.
18	134	1737	L34F2.DAT	34	Lobster Pots. Problem with overlap here.
18	134	1825	L33F2.DAT	33	END OF LINE 33.
18	134	1833	L34F1.DAT	34	START LINE 34.

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
18	134	2051	L34F1.DAT	34	Passing along the northern bound of the sewage dumpsite, but seeing no evidence of dumping on the sidescan record???
18	134	2057	L34F1.DAT	34	WIRE OUT. (Saw drop-outs associated with pay-out).
18	134	2114	L34F2.DAT	34	ISIS goes nuts again with gain problems. Start New File.
18	134	2217	L34F2.DAT	34	End Line 34.
18	134	2222	L35F1.DAT	35	Start Line 35. Try 0.5. sec rep. rate.
18	134	2243	L35F1.DAT	35	Data deteriorates in the far range. Not getting much more useful info past the 180 m range-per side....Hoever the water depth here is only ~20 m.
18	134	2254	L35F2.DAT	35	New File. Set ping-rate at 0.25 sec. The 0.5 wec rate was pushing it at water depth<30 m.
18	134	2329	L35F2.DAT	35	ISIS Locks up. Probably filled the tape.
19	134	2338	L35F3.DAT	35	New Tape. New File.
19	135	0026	L35F3.DAT	35	Been seeing drop-outs on sss; don't seem to be related to the winch this time.
19	135	0057	L35F3.DAT	35	Wire in.
19	135	0121	L35F3.DAT	35	ISIS Froze. Had to shut down system and reboot. System telemetry not operating. {Going to run some seismic cross-lines while trying to figure out what the problem is!!!! Fish on deck
0	135	0243	Seis.36	36	Run Seismic Line 36 (North-South tie-line).
0	135	0405	Seis.36	36	Slowing down to ~2 knts - putting SIS-1000 fish in the water for testing
20	135	0421	L36F1.DAT	36	Got the fish back running again. Continue the seismic line (LINE 36) while testing the fish.
20	135	0434	L36F1.DAT	36	wire in
20	135	0458	L36F1.DAT	36	EOL36
20	135	0458	L37F1.DAT	37	TRANSIT LINE TO LN 38
20	135	0531	L37F1.DAT	37	ISIS GLICH, RESTORE
20	135	0532	L37F1.DAT	37	WIRE IN
20	135	0546	L38F1.DAT	38	EOL37/SOL38 AND AVOIDING TRAFFIC
20	135	0627	L38F1.DAT	38	ISIS HICKUP RESTORE

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
20	135	0743	L38F1.DAT	38	EOL 38, PULL GEAR AND TRANSIT TO PORT.
21	136	0033	L39F1.DAT	39	START LINE 39. {FINISH THE END OF LINE 35}.
21	136	0058	L39F1.DAT	39	SEEING CLEAR OUTCROP ON SIDESCAN (CORRELATES WITH THE WATERGUN AND CHIRP SUBBOTTOM)
21	136	0131	L39F1.DAT	39	REAL GOOD INDICATION OF GAS IN WATERGUN PROFILE AT THE END OF THE LINE.
21	136	0138	L39F1.DAT	39	END LINE 39.
21	136	0142	L40F1.DAT	40	START LINE 40.
21	136	0228	L40F1.DAT	40	OUTCROP WITH SUBBOTTOM EVIDENCE
21	136	0246	L40F2.DAT	40	FILE CHANGE. Decided to start changing files from 10 to 15K pings. easier to handle the Chirp subbottom files.
21	136	0343	L40F3.DAT	40	FILE CHANGE.
21	136	0416	L40F3.DAT	40	WIRE OUT.
21	136	0427	L40F3.DAT	40	WIRE OUT.
21	136	0442	L40F4.DAT	40	FILE CHANGE. HAD AN ISIS PROBLEM ("restore" brought it back to life).
21	136	0455	L40F4.DAT	40	Wire In.
21	136	0505	L40F4.DAT	40	Wire In.
21	136	0516	L40F4.DAT	40	Seeing a lot of lobster pots in the dumping area (both in the sidescan and in the water)
21	136	0527	L40F4.DAT	40	END OF LINE.
21	136	0532	L41F1.DAT	41	START OF LINE
21	136	0556	L41F1.DAT	41	Wire Out.
21	136	0559	L41F1.DAT	41	Wire Out.
21	136	0639	L41F1.DAT	41	Wire in.
21	136	0645	L41F2.DAT	41	File Change.
21	136	0651	L41F2.DAT	41	Wire in.
21	136	0730	L41F2.DAT	41	Seeing some evidence of gas-charging on Chirp subbottom.
21	136	0745	L41F3.DAT	41	File Change.
21	136	0839	L41F4.DAT	41	File Change

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
21	136	0903	L41F4.DAT	41	End of Line
21	136	0908	L42F1.DAT	42	Start of Line
21	136	1010	L42F2.DAT	42	File Change.
21	136	1108	L42F3.DAT	42	File Change
21	136	1128	L42F3.DAT	42	Wire Out.
21	136	1132	L42F3.DAT	42	Wire Out.
21	136	1137	L42F3.DAT	42	Wire Out
21	136	1208	L42F3.DAT	42	wire in ~ 2 meters
21	136	1232	L42F3.DAT	42	End Of Line, End of Tape.
22	136	1237	L43F1.DAT	43	Start of Line, Start of Tape.
22	136	1311	L43F1.DAT	43	Wire Out
22	136	1320	L43F1.DAT	43	Wire Out
22	136	1322	L43F1.DAT	43	new roll of epc paper
22	136	1338	L43F1.DAT	43	wire out ~ 2 meters
22	136	1343	L43F2.DAT	43	EOF/SOF
22	136	1349	L43F2.DAT	43	wire in ~ 3 meters
22	136	1354	L43F2.DAT	43	wire in
22	136	1422	L43F2.DAT	43	Coming out of the Sewage Dumping area. The sewage is viscous when dumped, therefore the bs-signature would be expected to be minimal.
22	136	1451	L43F3.DAT	43	File Change.
22	136	1454	L43F3.DAT	43	wire in ~ 2 meters
22	136	1546	L43F4.DAT	43	sof
22	136	1613	L43F4.DAT	43	eol
22	136	1620	L44F1.DAT	44	Start Line 44.
22	136	1712	L44F2.DAT	44	File Change
22	136	1721	L44F2.DAT	44	Wire in and adjust. Shallow tow (water depth<20 m).
22	136	1803	L44F2.DAT	44	Wire out.
22	136	1805	L44F3.DAT	44	File Change. (noticed at 1842 that the Chirp subbottom gain was not reset after the file change).

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
22	136	1821	L44F3.DAT	44	Sea-floor scarp (~2m). Hard to see relation to watergun porfile, and no penetration from Chirp subbottom).
22	136	1837	L44F3.DAT	44	Wind is picking up to about 20 kts. Seas are getting choppy and starting to see it in the sidescan data.
22	136	1841	L44F3.DAT	44	Just realized that the Chirp subbottom channel gain was way off due to the last file change!!!! RESET.
22	136	1900	L44F4.DAT	44	File Change.
22	136	1913	L44F4.DAT	44	Line Out. Dodging lobster pots.
22	136	1929	L44F4.DAT	44	Line out. Winds still strong (ca. 20kts) from south; chop increasing.
22	136	1936	L44F4.DAT	44	Continue to avoid lobster pots. Seas increasing and data quality is decreasing.
22	136	1948	L44F4.DAT	44	Lobster Pot Snag, Prepare to bring fish on deck.
22	136	1950	L44F5.DAT	44	Pot let loose, continue line. Change File restart foward motion.
22	136	2004	L44F5.DAT	44	Wire in ~5m
22	136	2015	L44F5.DAT	44	WIRE IN
22	136	2024	L44F5.DAT	44	WIRE IN
22	136	2044	L44F5.DAT	44	END LINE 44. Bring Sidescan and sidemount onboard. Will run watergun profiles until the weather forces us to stop.
22	136	2108	TRANSIT	45	Start Seismic Line 45 (Series of tie lines).
22	136	2307	TRANSIT	45	End Line 45
22	136	2311	TRANSIT	46	Start Line 46.
22	137	0134	TRANSIT	46	End Line 46
22	137	0144	TRANSIT	47	Start Line 47 (continue transit until weather cooperates). (This line turns to the north midway through..missed the time mark) {{Channel 1: pre-filter gain = 24db; post = 12 db. Channel 2: pre = 24 db; post 6 db}
22	137	0456	TRANSIT	47	END LINE 47. Incorrect waypoint. Transit back to line.
22	137	0523	TRANSIT	48	Start Line 48

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
22	137	0546	TRANSIT	48	Watergun stopped firing. Compressor problem. Not keeping up with firing rate. Attempt slower fire rate (additional probs). Compressor is not functioning properly. Transit to new sidescan line.
23	137	0838	L49F1.DAT	49	Restart sidescan survey; SOL 49
23	137	0934	L49F2.DAT	49	New File
23	137	1010	L49F2.DAT	49	Brief power glitch/restart
23	137	1032	L49F3.DAT	49	SOF
23	137	1059	L49F3.DAT	49	WIRE OUT
23	137	1104	L43F3.DAT	49	WIRE OUT
23	137	1130	L43F4.DAT	49	SOF
23	137	1132	L43F4.DAT	49	WIRE IN
23	137	1138	L43F4.DAT	49	WIRE IN
23	137	1142	L43F4.DAT	49	WIRE IN/OUT TO CHECK FOR POSSIBLE TANGLE-NOT FLYING STRAIGHT ACCORDING TO PORT/STARB. CHANNELS - FISH OK
23	137	1203	L43F4.DAT	49	EOL49
23	137	1208	L50F1.DAT	50	SOF50
23	137	1239	L50F1.DAT	50	WIRE OUT
23	137	1248	L50F1.DAT	50	WIRE OUT
23	137	1306	L50F2.DAT	50	CHANGE FILE
23	137	1308	L50F2.DAT	50	LOST DATA UNTIL 1313 -DELAY PROBLEMS WITH SUBBOTTOM CHANNEL INTERFERING WITH SS
23	137	1321	L50F2.DAT	50	HOOKED POT
23	137	1403	L50F3.DAT	50	FILE CHANGE
23	137	1446	L50F3.DAT	50	WIRE IN
23	137	1503	L50F4.DAT	50	FILE CHANGE
23	137	1523	L50F4.DAT	50	END OF LINE
23	137	1537	L50F4.DAT	50	WEATHER BAD, SANDY HOOK BOUND. End of Tape 23. {{{Stayed in Sandy Hook for 2 nights. Fixed Compressor. Left 139JD @1730Z}}}
24	139	1831	L51F1.DAT	51	Start Line 51. Start Tape 24. [As we transit to the beginning of line 51, we see ripples in the high-bs areas; crests trending roughly north-south]

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
24	139	1835	L51F1.DAT	51	TURNING OFFLINE TO AVOID BARGE OVER MUD DUMPSITE
24	139	1847	L51F1.DAT	51	WIRE IN
24	139	1905	L51F1.DAT	51	WIRE OUT
24	139	1910	L51F1.DAT	51	Veered off line to dodge pots
24	139	1918	L51F1.DAT	51	Continue to see lobster pots throughout the dump-site. Large (bolder) targets appear to be "natural" deposits.
24	139	1921	L51F1.DAT	51	Wire out; continue to steer around lobster pots and other ships.
24	139	1930	L51F2.DAT	51	CHANGE FILE
24	139	1944	L51F2.DAT	51	Hooked a pot momenterily!!!
24	139	1951	L51F2.DAT	51	Took In Wire.
24	139	1957	L51f2.dat	51	Wire in
24	139	2020	l51f2.dat	51	wire in
24	139	2030	l51f3.dat	51	file change
24	139	2231	l51f3.dat	51	EOL51
24	139	2236	L52F1.DAT	52	SOL52
24	139	2329	L52F1.DAT	52	SCREEN FREEZE - REBOOTED WITH NEW FILE
25	139	2343	L52F2.DAT	52	START OF FILE2
25	140	0023	L52F2.DAT	52	EOL
25	140	0026	L53F1.DAT	53	SOL53-LINE ABBREVIATED TO AVOID LOBSTER POTS DURING DARKNESS
25	140	0237	L53F1.DAT	53	EOL53
25	140	0243	L53F1.DAT	54	SOL54 - NAMED FILE WRONG AGAIN!!! (JANE) SHOULD BE L54F1.DAT
25	140	0247	L53F1.DAT	54	ISIS GAIN TROUBLE - ISIS STOPPED (Note: The mislabled file is only a few minutes long.
25	140	0249	L54F2.DAT	54	ISIS RE-STARTED
25	140	0324	L54F2.DAT	54	Seeing the angular unconformity close to the surface on the Watergun record. No penetration on the Chirp subbottom.
25	140	0331	L54F2.DAT	54	The high-bs area is not related to a depression here.....may actually be a bathy high.

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
25	140	0423	L54F2.DAT	54	End of Line 54.
25	140	0428	L55F1.DAT	55	SOL 55. Small Isis glitch at the beginning of the record.
25	140	0533	L55F1.DAT	55	See narrow linear rippled depressions (can see the ripples). This later becomes a relatively high-bs area that appears to correlate to the coastal plain reflector coming close to the surface.
25	140	0603	L55F1.DAT	55	Starting to see thermocline problems at the eastern end of the study area.
25	140	0624	L55F1.DAT	55	End Line 55.
25	140	0630	L56F1.DAT	56	Start of Line 56
25	140	0634	L56F1.DAT	56	Seeing a small channel in the coastal plain reflector (on both the Fhirp and watergun). Continue to see subbottom penetration on the Chirp for the first time in a while.
25	140	0715	L56F1.DAT	56	Again saw clear evidence of outcropping coastal plain strata on sidescan and watergun....no clear penetration on Chirp.
25	140	0739	L56F1.DAT	56	Slowing speed to 4 kts. to delay reaching area of lobster pots until daybreak.
25	140	0818	L56F1.DAT	56	evidence of gas charging (?) in chirp and water gun record
25	140	0938	L56F1.DAT	56	wire out entering shelf valley
25	140	0945	L56F1.DAT	56	wire out
25	140	0956	L56F1.DAT	56	wire in rising to dredge site
25	140	1015	L56F1.DAT	56	wire in
25	140	1020	L56F1.DAT	56	wire in
25	140	1028	L56F1.DAT	56	wire in/out to avoid mound on top of dumpsite
25	140	1036	L56F1.DAT	56	wire out
25	140	1047	L56F1.DAT	56	EOL56
25	140	1052	L57F1.DAT	57	SOL57
25	140	1103	L57F1.DAT	57	Water gun down from SOL57 until 1103 restored. WATER GUN SEEMS TO BE LEAKING. REBUILDING!
25	140	1108	L57F1.DAT	57	wire in
25	140	1110	L57F1.DAT	57	wire in

TAPE #	J D	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
25	140	1114	L57F1.DAT	57	wire in
25	140	1117	L57F1.DAT	57	wire out
25	140	1121	L57F1.DAT	57	wire out
25	140	1144	L57F1.DAT	57	WIRE OUT
25	140	1159	L57F1.DAT	57	WIRE IN
26	140	1230	L57F2.DAT	57	REBOOT OF CHIRP, SOF2 {{{NEW TAPE}}}
26	140	1247	L57F2.DAT	57	END OF LINE
26	140	1258	L58F1.DAT	58	START LINE....START NEW TAPE (WE THINK. IT WASN'T NOTED)
26	140	1346	L58F1.DAT	58	Sandwaves with 50-100m spacing noted along eastern lip of HSV
26	140	1356	L58F1.DAT	58	wire out
26	140	1430	L58F1.DAT	58	wire in
26	140	1447	L58F1.DAT	58	wire out
26	140	1501	L58F1.DAT	58	EOL58
26	140	1506	L59F1.DAT	59	SOL59
26	140	1518	L59F1.DAT	59	wire in
26	140	1537	L59F1.DAT	59	wire out
26	140	1545	L59F1.DAT	59	wire out
26	140	1557	L59F1.DAT	59	CPA of large ship (ca. 300 m)
26	140	1559	L59F1.DAT	59	Wire out: TRY WATERGUN. STILL SEEMS TO BE TAKING TOO MUCH AIR.
26	140	1615	L59F1.DAT	59	Fathometer died. Had to turn it off. Froze navigation. [[NEED TO PULL THE PLUG ON THE FATHOMETER READOUT PRIOR TO TURNING IT OFF AO AS NOT TO FREEZE THE NAVIGATION PROGRAM]]
26	140	1623	L59F1.DAT	59	WIRE IN. FATHOMETER AND NAVIGATION BACK ON.
26	140	1706	L59F1.DAT	59	END LINE.
26	140	1711	L60F1.DAT	60	START LINE 60. WATER-GUN/SEISMICS BACK ON.
26	140	1731	L60F1.DAT	60	WIRE IN
26	140	1758	L60F1.DAT	60	WIRE OUT

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
26	140	1805	L60F1.DAT	60	WIRE OUT
26	140	1810	L60F1.DAT	60	EVIDENCE OF FAULTING ON THE SIDE OF THE SEA-VALLEY....SOME WILD INTERNAL REFLECTORS....POSSIBLE SLOPE FAILURE DUE TO RAPID STATIC LOADING OF DREDGE MATERIAL???
26	140	1823	L60F1.DAT	60	AVOIDING LOBSTER POTS.
26	140	1827	L60F1.DAT	60	WIRE IN
26	140	1835	L60F1.DAT	60	WIRE IN
26	140	1838	L60F1.DAT	60	WIRE IN, THEN CA. 1M BACK OUT.
26	140	1858	L60F1.DAT	60	END LINE 60. Transit to the southernmost line to continue dumsite coverage.
26	140	1918	L61F1.DAT	61	START LINE 61. As we approached this line @ 45° angle we again could see ripples in the area of high-bs.
26	140	1951	L61F1.DAT	61	WIRE OUT
26	140	1952	L61F1.DAT	61	WIRE OUT.
26	140	1957	L61F1.DAT	61	CHANGE ROLL ON ODEM (END ROLL 7).
26	140	2024	L61F1.DAT	61	WIRE IN.
26	140	2112	L61F1.DAT	61	END LINE 61
26	140	2116	L62F1.DAT	62	START LINE 62.
26	140	2125	L62F1.DAT	62	SEEING SMALL CHANNELS ON THE CHIRP SUBBOTTOM.
26	140	2210	L62F1.DAT	62	WIRE OUT
26	140	2224	L62F1.DAT	62	WIRE IN. JUST PASSED A FAULT SCARP CUTTING THE SEA FLOOR WITH ABOUT 3-4 M OF RELIEF. SEE IT IN THE WATERGUN PROFILES. THIS FAULT OFFSETS THE DISPOSED MATERIAL!!!!!!!
26	140	2301	L62F1.DAT	62	WIRE OUT
26	140	2313	L62F1.DAT	62	EOL62
26	140	2317	L63F1.DAT	63	STARTED NEW LINE
26	140	2329	L63F1.DAT	63	SCREEN REBOOT AND HOOKED POT - WATERGUN DOWN
27	140	2338	L63F2.DAT	63	SYSTEM UP, FILE CHANGE, TAPE CHANGE
27	140	2348	L63F2.DAT	63	FISH NOT FIRING

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
27	140	2351	L63F3.DAT	63	SIDESCAN OK,SUBBOTTOM STILL UNCORRECTED
27	140	2353	L63F3.DAT	63	SUBBOTTOM OK
27	141	0001	L63F3.DAT	63	WIRE OUT
27	141	0006	L63F3.DAT	63	WIRE OUT
27	141	0019	L63F3.DAT	63	WIRE IN
29	141	0024	L71F1.DAT	71	WIRE IN
27	141	0025	L63F3.DAT	63	WIRE IN
29	141	0025	L71F1.DAT	71	WINCH ACTING UP - DON'T LET OUT ANY LINE
27	141	0137	L63F3.DAT	63	SEISMIC COMPUTER FROZE.. SYSTEM RE-BOOTED
27	141	0205	L63F3.DAT	63	WATER-GUN MISFIRING...REMOVED THE TRIGGER...BUILDING AIR PRESSURE BACK UP
27	141	0210	L63F3.DAT	63	GUN ON-LINE
27	141	0230	L63F3.DAT	63	WATER-GUN MALFUNCTION...PULLED ON DECK
27	141	0255	L63F3.DAT	63	END OF LINE 63
27	141	0301	L64F1.DAT	64	START OF LINE 64
27	141	0451	L64F1.DAT	64	EOL 64 @ ABOUT -73 42'
27	141	0455	L65F1.DAT	65	SOL 65 @ -73 41.5'
27	141	0616	L65F1.DAT	65	NORTHWEST TRENDING SAND WAVES ON PORT CHANNEL.
27	141	0637	L65F1.DAT	65	END LINE 65. LAST FILE ON TAPE 27.
28	141	0643	L66F1.DAT	66	START LINE 66. FIRST FILE ON TAPE 28.
28	141	0709	L66F1.DAT	66	SAND WAVES ON STARBOARD CHANNEL.
28	141	0809	L66F1.DAT	66	PRINTER DOWN FOR THREE MINUTES TO CHANGE PAPER
28	141	0925	L66F1.DAT	66	FISH OUT
28	141	0931	L66F1.DAT	66	FISH OUT
28	141	0954	L66F1.DAT	66	FISH IN
28	141	1025	L66F1.DAT	66	EOL66
28	141	1030	L67F1.DAT	67	SOL67
28	141	1106	L67F1.DAT	67	WIRE OUT

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
28	141	1132	L67F1.DAT	67	WIRE IN
28	141	1137	L67F1.DAT	67	WIRE IN
28	141	1205	L67F1.DAT	67	POTENTIAL WRECK
28	141	1407	L67F1.DAT	67	EOL 63
28	141	1411	L68F1.DAT	68	SOL 68
28	141	1532	L68F1.DAT	68	WATER GUN/SEISMICS BACK ON LINE
28	141	1627	L68F1.DAT	68	SLOW TO AVOID TRAFFIC (4.5 TO 3.5 KTS)
28	141	1639	L68F1.DAT	68	RESUME SPEED. WIRE OUT
28	141	1642	L68F1.DAT	68	WIRE OUT.
28	141	1644	L68F1.DAT	68	WIRE OUT
28	141	1704	L68F1.DAT	68	WIRE IN
28	141	1718	L68F1.DAT	68	WIRE IN. STOP FILE. DELAY JUMPED UP.
28	141	1720	L68F2.DAT	68	START NEW FILE.
28	141	1738	L68F2.DAT	68	EOL. EN D TAPE 28
29	141	1803	L69F1.DAT	69	SOL 69. START TAPE 29 [Rerun of Line 50; the weather line]....ISIS WAS REBOOTED LATER AND A NEW TAPE WAS NOT LOADED. THIS LINE AND LINE 70 WERE ERASED FROM TAPE 29.
29	141	1816	L69F1.DAT	69	WIRE IN.
29	141	1836	L69F1.DAT	69	SEEING WHAT APPEARS TO BE TRAWL MARKS AND ALSO LOBSTER POTS ACROSS THE RECORD.
29	141	1839	L69F1.DAT	69	BOAT WAKE.
29	141	1842	L69F1.DAT	69	WIRE OUT.
29	141	1845	L69F1.DAT	69	LOBSTER POTS ALL OVER THE PLACE. SHIP IS GOING TO HAVE TO AVOID THEM.
29	141	1853	L69F1.DAT	69	TRAWL MARK RUNNING THROUGH THE DUMPSITE.
29	141	1906	L69F1.DAT	69	SEEING WHAT COULD BE GAS-CHARGED SEDIMENT IN THE WATERGUN RECORD....THE CHIRP IS BLANKED OUT
29	141	1920	L69F1.DAT	69	WIRE IN.
29	141	1941	L69F1.DAT	69	WIRE IN.
29	141	2146	L69F1.DAT	69	EOL69

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
29	141	2150	L70F1.DAT	70	SOL70. ISIS WAS REBOOTED ON THIS LINE AND A NEW TAPE WAS NOT LOADED. THIS LINE AND LINE 69 WERE ERASED FROM TAPE 29.
29	141	2206	L70F1.DAT	70	HOLOCENE STRATA DIVERGING ON CHIRP AS GO NW
29	141	2231	L70F1.DAT	70	EXTENSIVE MEGARIPPLES OBSERVED IN COARSE PATCHES - ORIENTED OBLIQUE TO SHORE
29	141	2246	L70F1.DAT	70	WIDE, SHALLOW CHANNEL OBSERVED IN CHIRP SUBBOTTOM
29	141	2329	L70F1.DAT	70	SCREEN FREEZE ON CHIRP -NO DATA
29	141	2335	L70F1.DAT	70	EOL70
29	141	2338	L71F1.DAT	71	SOL71
29	141	2340	L71F1.DAT	71	CHIRP BACK UP
29	141	2345	L71F1.DAT	71	WIRE IN
29	142	0155	L71F1.DAT	71	EOL
29	142	0159	L72F1.DAT	72	SOL
29	142	0430	L72F1.DAT	72	GOOD EXAMPLE OF ASSYMETRIC LINEAR HIGH-BS DEPRESSION (TROUGH OF SHOREFACE CONNECTED RIDGE.
29	142	0505	L72F1.DAT	72	END LINE 72. [TRANSIT TO THE SOUTH TO FILL IN END OF LINE 71]
29	142	0510	L73F1.DAT	73	START LINE 73
29	142	0633	L73F1.DAT	73	END LINE 73. END TAPE 29. {Noticed that the fish attitude information is not coming up any longer??} TRANSIT TO LINE 74.
30	142	0745	L74F1.DAT	74	START LINE 74. START TAPE 30.
30	142	0955	l74f1.dat	74	buried channel in Chirp subbottom
30	142	1005	l74f1.dat	74	lots of minor channeling in Chirp subbottom - remains of glacial outwash plain?
30	142	1101	l74f1.dat	74	EOL74
30	142	1105	L75F1.DAT	75	SOL75
30	142	1203	L75F1.DAT	75	FATHOMETER ON STANDBY WHILE REPLACING GUIDE ROPE
30	142	1214	L75F1.DAT	75	SAME LARGE CHANNEL (~200 M WIDE) ON CHIRP SUBBOTTOM VISIBLE ON L74
30	142	1243	L75F1.DAT	75	WATER GUN BACK UP WITH NEW STREAMER

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
30	142	1252	L75F1.DAT	75	TRAWL MARK ON SIDESCAN?
30	142	1408	L75F1.DAT	75	EOL
30	142	1412	L76F1.DAT	76	SOL
30	142	1548	L76F1.DAT	76	THE FAULT IS CLEARLY OFFSETTING THE SEA FLOOR. CAN SEE IT ON THE SIDESCAN CUTTING ACROSS BOTH CHANNELS. IN AREA OF LOW BACKSCATTER.
30	142	1558	L76F1.DAT	76	FIELD OF SAND WAVES IN LOW-BS AREA.
30	142	1730	L76F1.DAT	76	EOL
30	142	1731	L77F1.DAT	77	SOL.
30	142	1813	L77F1.DAT	77	EOL. END OF TAPE 30.
31	142	1819	L78F1.DAT	78	SOL. NEW TAPE (31). LINE ALONG SHORELINE @ -10 M CONTOUR.
31	142	1829	L78F1.DAT	78	SMALL COURSE CHANGE TO FOLLOW SHORELINE. GOING FROM WAYPOINT 83 TO 84.
31	142	2020	L78F1.DAT	78	COURSE CHANGE TO FOLLOW SHORELINE
31	142	2028	L78F1.DAT	78	SHIRMP TRAWLER WAKE ON SIDESCAN
31	142	2056	L78F1.DAT	78	TRAWL MARKS
31	142	2106	L78F1.DAT	78	EOL78
31	142	2108	L79F1.DAT	79	START WATERGUN ON OFFSHORE REACH; CHIRP NOT RECORDING (REORDERING HEADINGS)
31	142	2111	L79F1.DAT	79	START CHIRP RECORD
31	142	2119	L79F1.DAT	79	END OF RECORD - ADDITIONAL SERVICING
31	142	2123	L79F2.DAT	79	SOF2
31	142	2125	L79F2.DAT	79	EOF2
31	142	2132	L79F2.DAT	79	EOL79
31	142	2135	L80F1.DAT	80	SOL80
31	142	2329	L80F1.DAT	80	ISIS FROZE. END FILE. END TAPE 31
32	142	2335	L80F2.DAT	80	NEW TAPE 32. NEW FILE.
32	143	0116	L80F3.DAT	80	START OF F3
32	143	0123	L80F3.DAT	80	END OF LINE
32	143	0138	L81F1.DAT	81	START OF LINE 81

TAPE #	JD	GMT	FILE NAME	Line #	COMMENTS (SEAX 95007)
32	143	0247	L81F1.DAT	81	FISH HAVEN. SEE A LOT OF WRECKAGE ON THE BOTTOM.....A WRECK TOO.
32	143	0255	L81F1.DAT	81	HIT FISH POT. PULL IN FISH. END SIDESCAN ACQUISITION.