104982

COASTAL AND MARINE SCIENCE AT THE
WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598

TWICHELL CORLISS SW WASHINGTON
CRLS 97007
AUGUST 25-SEPTEMBER 19, 1997
SEISMICS OBSERVERS' LOG

SEISMIC/GEOPHYSICS LOG

SHIP AND CRUISE: CRLS 97007

AREA: SW Washington

DATES: 8/28/97 →

CHIEF SCIENTIST: Dave Twichell

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

JD 240

VESSEL Corliss SYSTEM TYPE _____ DATE 8/28/97

OFFSET _____ PRIME NAVIGATION _____

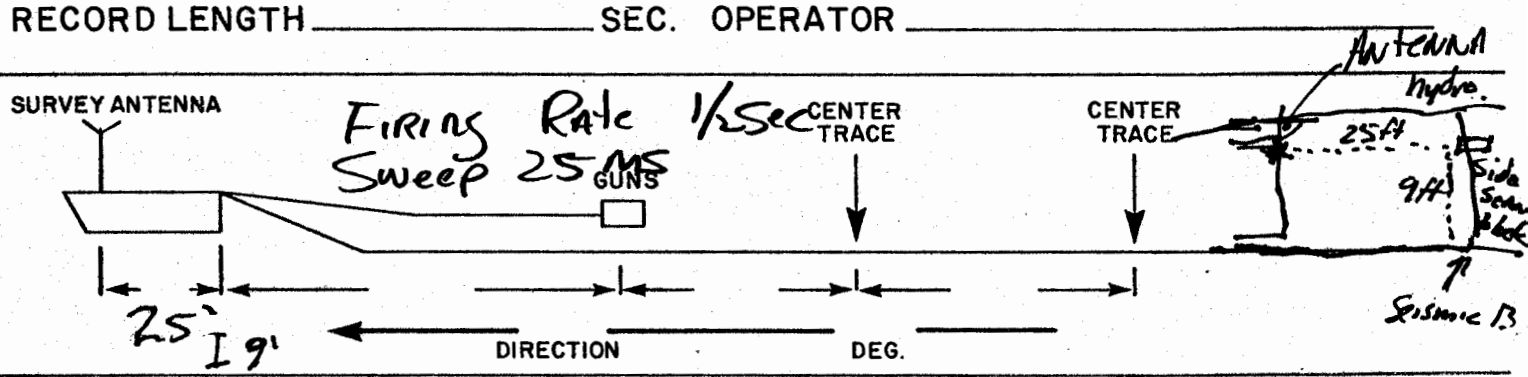
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32 dB				200	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		240	L151.DAT		File 1				1550	
			Possible Basement contact						1551	
					~ 70 m					
			Basement contacts & cross talk from 3.5						1605	
			BASEMENT RISING - N SIDE of ANCESTRAL RIVER (Grays Harbor) Valley						1619	
			NOTE: cross talk from Boomer interfering w/ 3.5 kHz							
			Appears as reflector 25 ms below SEAFLOOR							
			PINS #4786 ~ INCR. threshold (1630)						1630	
			5577 - turn AGC off						1636	
			EOF						1641	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE 8/28

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

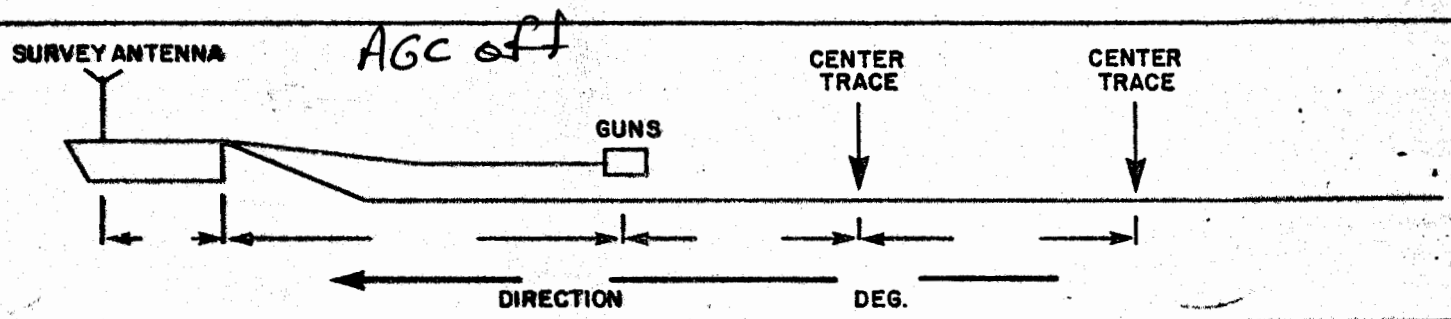
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
26 dB				200	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L152.DAT			Line 1 file 2				~~1643~~	
		GAIN IS UP ↑ 3 dB								
		[illegible]			L152				1702	
		Paleochannel visible in							1703	
		boomer & 3.5KHz							1704	
		~ Connor creek valley								
		Lost Power Supply							1718	
		End File								

DAY 2

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD 241

VESSEL _____ CRUISE NO. _____ DATE 8/29/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

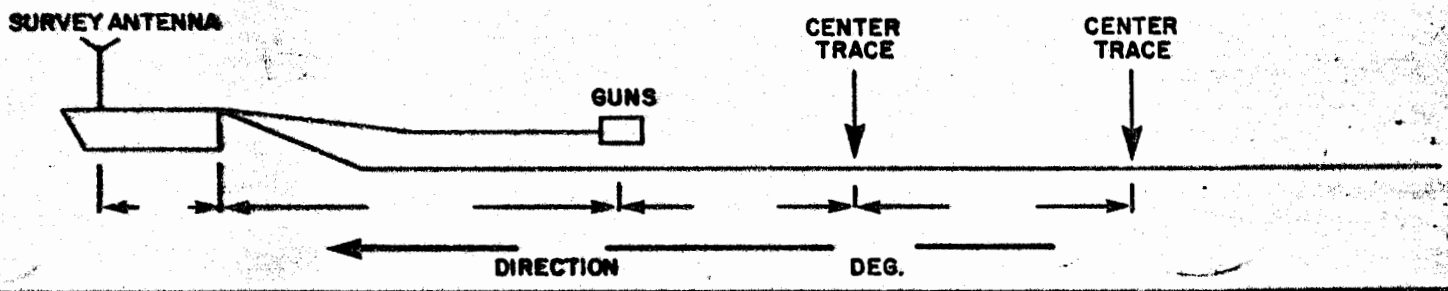
LINE NO. 1 DIR. 350 DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (300 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32dB				200	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L153.DAT SOF					0		1603	
		Pull in Boomer a few meters, trying							1624	
		to remove X-talk w/ Side Scan								
		EOF					0 →	5463	1649	
		Using EG&G Power Supply running at 220 J instead								
		of EPC @ 110 J which may be causing interference								
		& X-talk w/ Side Scan								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE 8/29

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

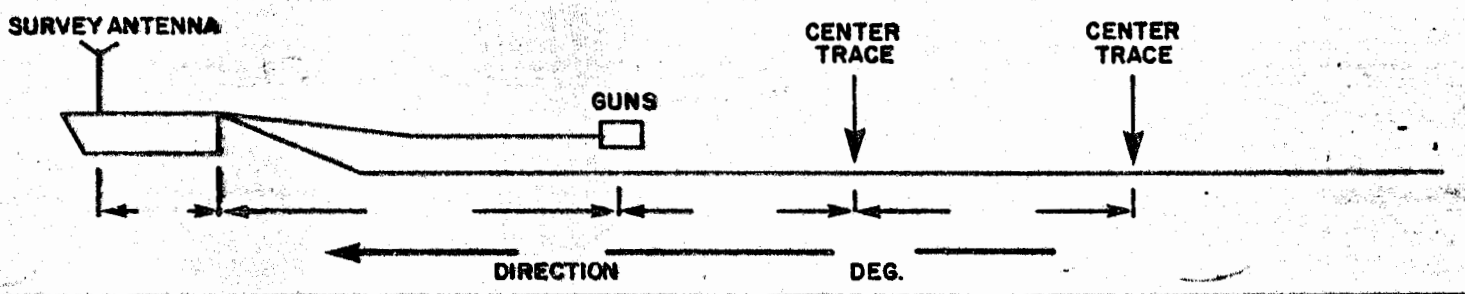
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		LIS4.DAT			S-F				1651	
		Cross possible creek – channel feature							1717	
		north of Brine Creek								
									1737	
		offshore Joe Creek view possible								
		paleo-channel in Boomer								
		↳ No may just be a set stack								
		EPC crash · EOF							1757	

U.S. GEOLOGICAL SURVEY

DFS V LOG

ESSEL Corliss CRUISE NO. _____ DATE 8/29

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

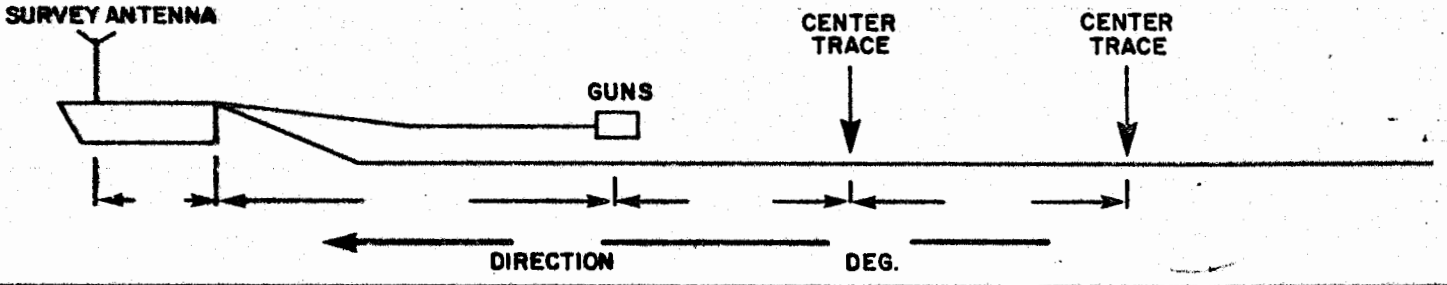
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L155.DAT							1800	
		Channel observed off moclips							1803	
		- Pakov Alley								
		see 3 diff. reflectors each paralleling one another;								
		this could also represent a syncline								
		Bedrock features outcrop on seafloor							1818	
		Now passing over anticline								
									1	
		Jog to avoid pots							1848	
		EOF							1933	

Start L2

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Carlis CRUISE NO. _____ DATE 8/29/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

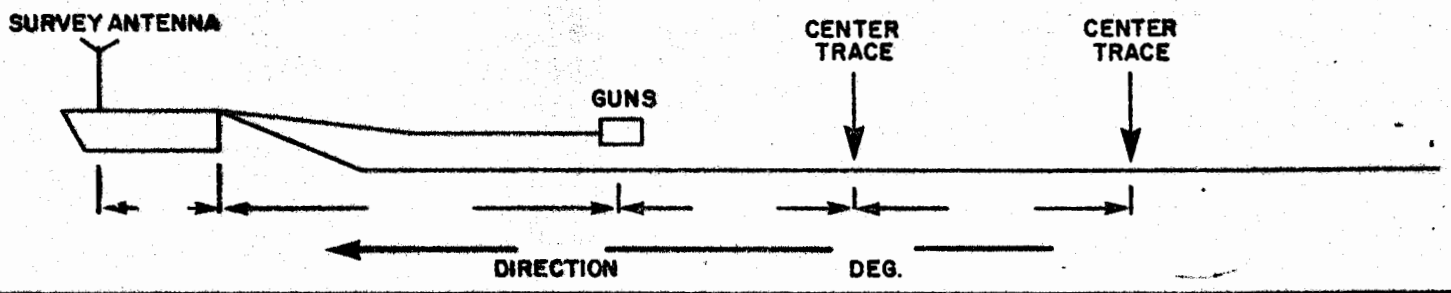
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		L251.DAT			SOF				1933	
		heading in southward			180° track					
		Problems with 3.5 kHz - offline							2025	
		"gremlins" keep screaming, & firing intermittently								
		EPC Paper record offline								
		EPC - Paper recorder online							2039	
		Boomer data only								
		EOF							2050	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

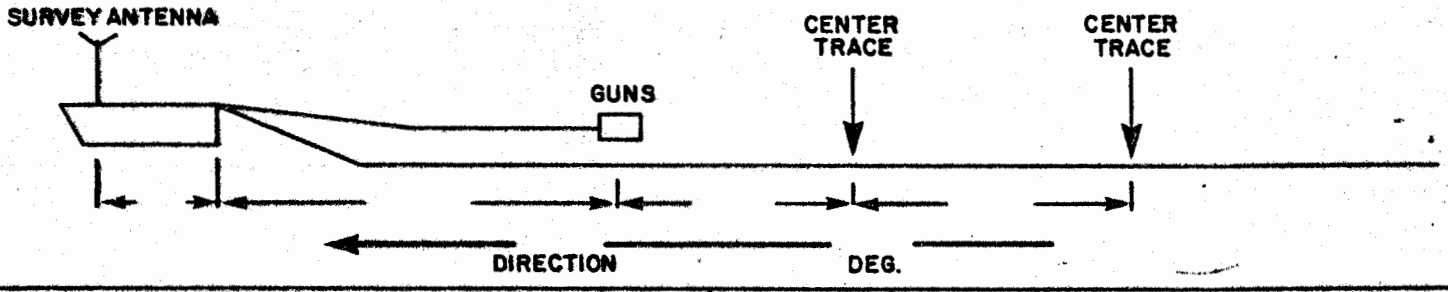
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L3S1.DAT			SOF				2050	
		3.5 KHz still offline								
		Possible @ Paleo-Valley on Boomer recored							2100	
		→ no simply more folding								
		EOF							2127	
		~~Large Paleo valley~~							~~2155~~ →	~~2159~~
		~~off Mooclips & Jones Rivers~~								
		~~→ No, just another syncline/anticline feature~~								
		~~Getting gum penetration → 3.5 KHz back offline~~								
		~~possible sea stack penetrating up to Holocene sand~~							~~2204~~	
		EOF							2219	

LINE 4

U.S. GEOLOGICAL SURVEY

DFS V LOG

ESSEL Corliss CRUISE NO. _____ DATE 8/29/87

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

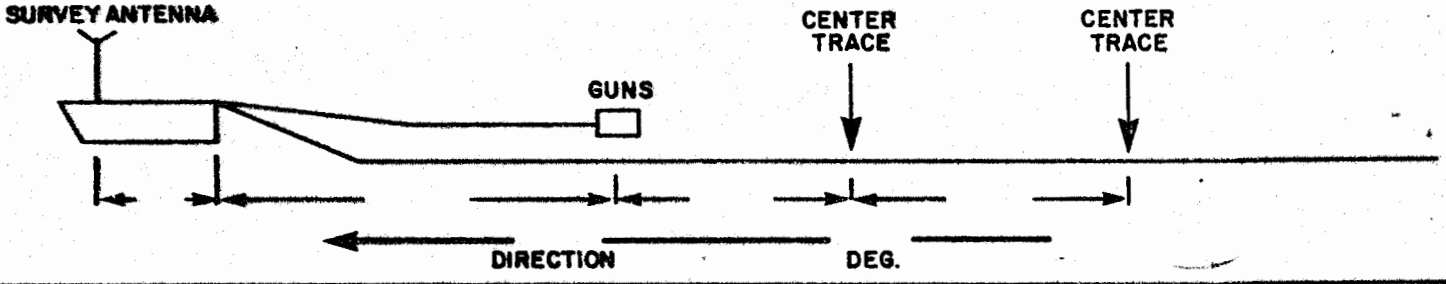
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L451.DAT							2128	
		3.5KHz back online							2135	
		recording on EPC-Paper								
		Got A1 message on EPC "Append to existing file"							2152	
		Said "yes" & appears to have continued operation successfully								
		→ Problem — Not getting a key								
		* back online → key re-attached							2154	
		~~[illegible]~~							2155 — 2159	
		Syncline/Anticline features viewed off McClips								
		EOF							2219	

U.S. GEOLOGICAL SURVEY

DFS V LOG

ESSEL Corliss CRUISE NO. _____ DATE 8/29/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

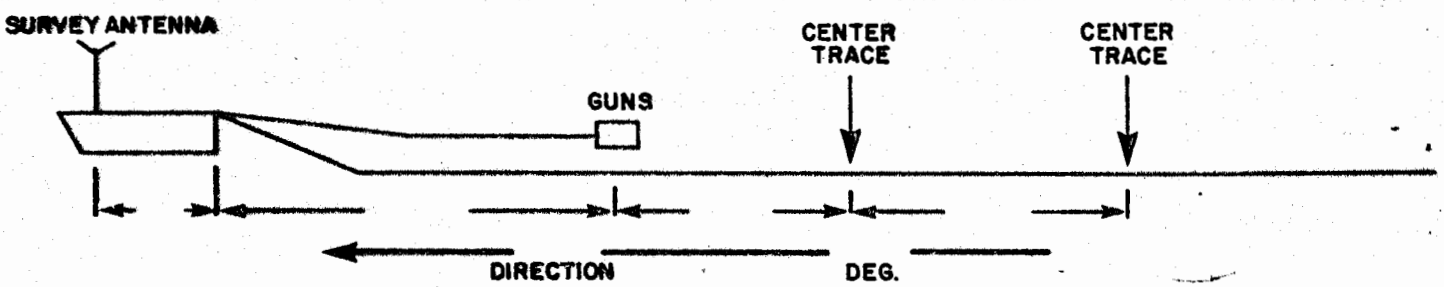
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L551.DAT							2231	
		Fantastic line, ~~[illegible]~~ bedding planes exposed on seafloor, differential erosion & fault planes lead to high relief ledges — 10-20 ft								
		EOF							2350	
		Changing to ~~[illegible]~~ ORE Power Source (110 J) to see if it solves X-talk problems								

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL _____ SYSTEM TYPE _____ DATE _____

OFFSET _____ PRIME NAVIGATION _____

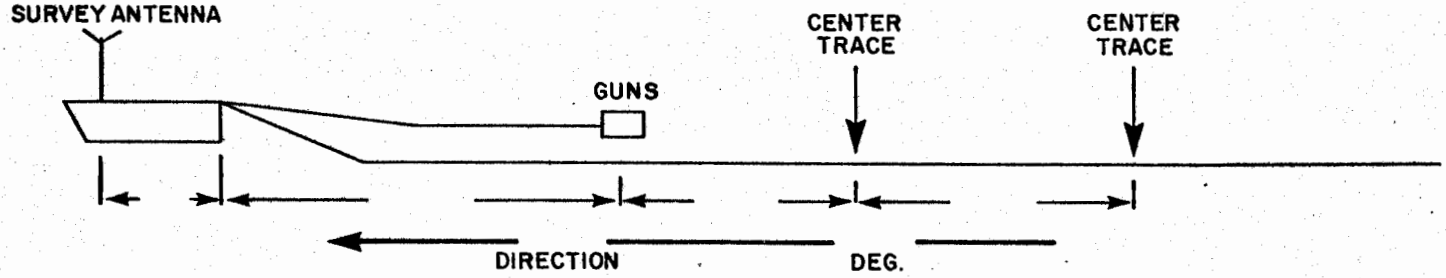
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		L681.DAT							0005	
		Now Running on 110J ORE								
		System Crash, Kon ~~Feder~~ Running							0010	
		Attack w/ ~~Gun~~ circuit Rox								
					EOF					

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Carliss SYSTEM TYPE _____ DATE 8/30/97

JD 242

OFFSET _____ PRIME NAVIGATION _____

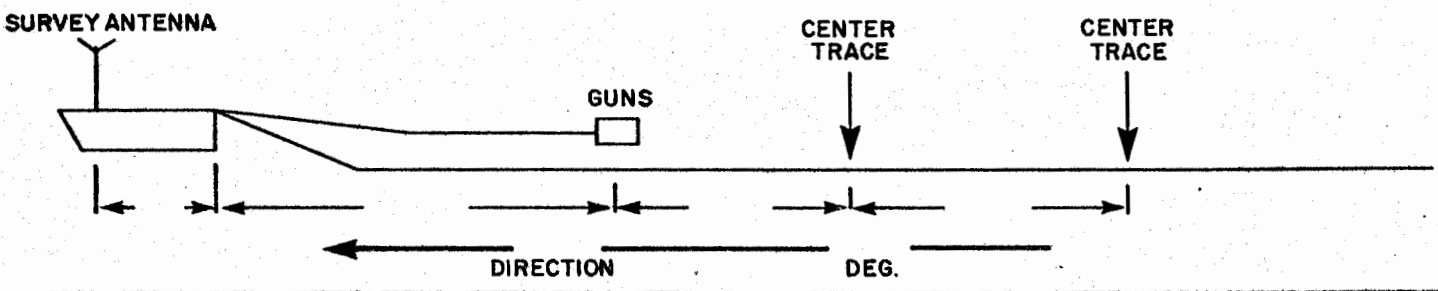
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		L752.DAT							1641	
		(Boomer)								
		*Started Seismic A bit later than Side Scan								
		— repairs & Rewiring								
		3.5kHz has been logging since →							1633	
		EOF							1721	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Coriss SYSTEM TYPE _____ DATE 6/30/97

JD242

OFFSET _____ PRIME NAVIGATION _____

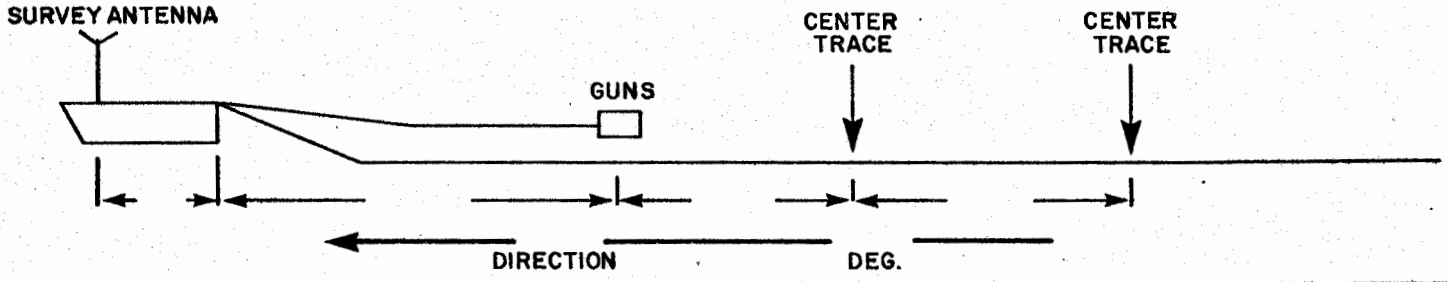
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI ___ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		L852.DAT (Boomer)							1722	
		SINCE 179 – Seismic not logging to EPC paper recorder								
		Something went haywire after DAN Stopped on Power Supply?								
		EOF → Trash this file!							1731	
		1806 – making adj. to boomer @ 3.5 →								

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Corliss SYSTEM TYPE _____ DATE 8/30/97

JD 242

OFFSET _____ PRIME NAVIGATION _____

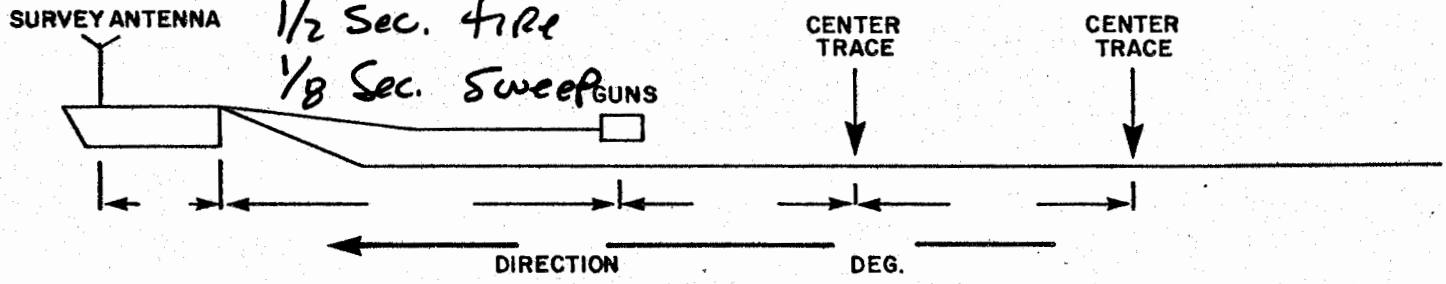
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L951.DAT							0816	
		Boomer back online, 3.5 kHz also online								
		EOF							1911	
		CALLED L853%								

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Carlos SYSTEM TYPE _____ DATE 8/30/97

JD 242

OFFSET _____ PRIME NAVIGATION _____

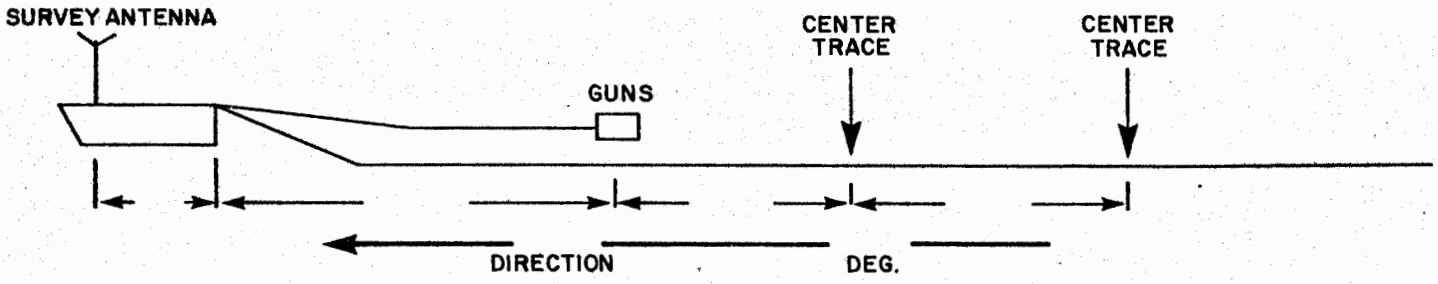
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		L10S1.DAT							1911	
		Boomer ½ Sec. fire, 1/8 sec Sweep								
		Ken offset - delayed 3.5 KHz about 20ms to get it out of the cross talk w/ boomer								
		EOF							2005	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL _____ SYSTEM TYPE _____ DATE 8/30/97

JD242

OFFSET _____ PRIME NAVIGATION _____

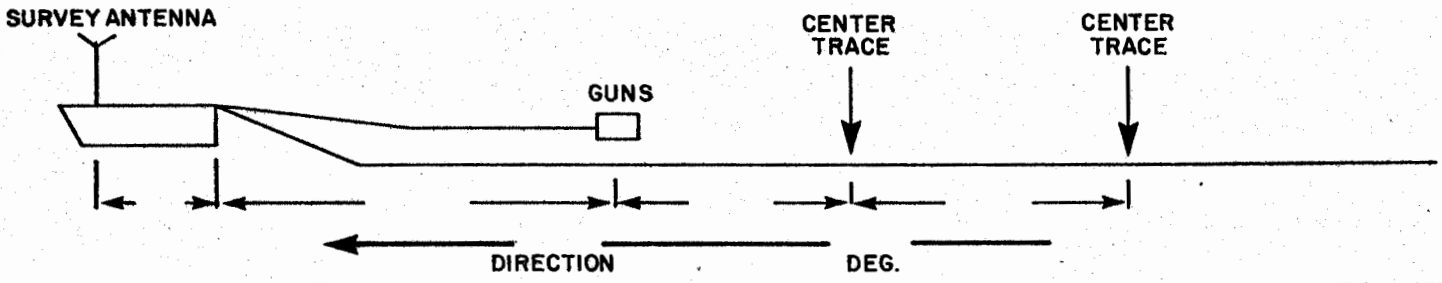
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32 dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
			L1152.DAT	SOF					2005	
			No L1151.DAT → mistake							
			Increase Gain on Geopulse by 6 dB → to total 38 dB						2008	
			Quit 3.5kHz for a minute						2018	
			delay 3.5 by another 10 ms						2043	
			Pull in Hydrophone & Boomer → SNAGGED pot on S.Sa. SCAN						2049	
			Snagged Another pot → full reverse & - No problem -						2105	
			EOF						2120	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL OR SYSTEM TYPE DATE 9/29/98

JD242

OFFSET _____ PRIME NAVIGATION _____

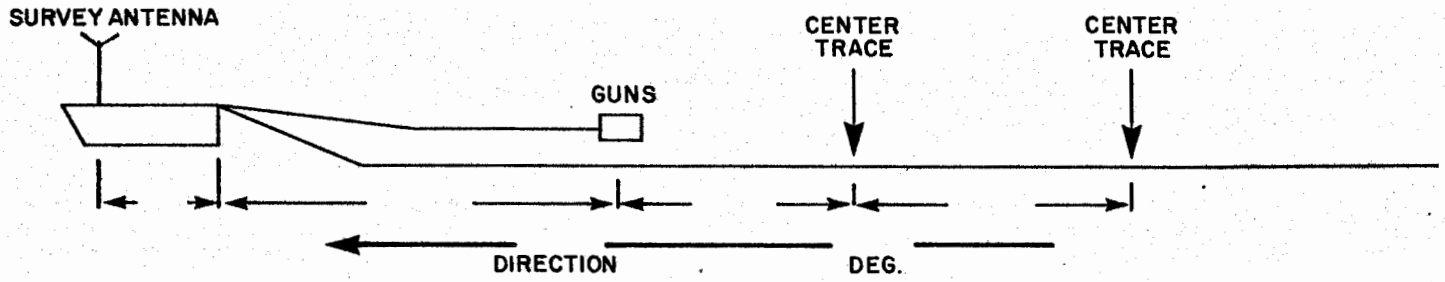
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM/AMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
35DB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
			L12F1.DAT						2120	
		→ Ken Changed back from 38DB to 35DB At some point during last line								
		Ken turned off boomer for 20 Sec							2138	
					EOF; End Survey				2210	

JD 243

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Corliss SYSTEM TYPE _____ DATE 8/31/97

OFFSET _____ PRIME NAVIGATION _____

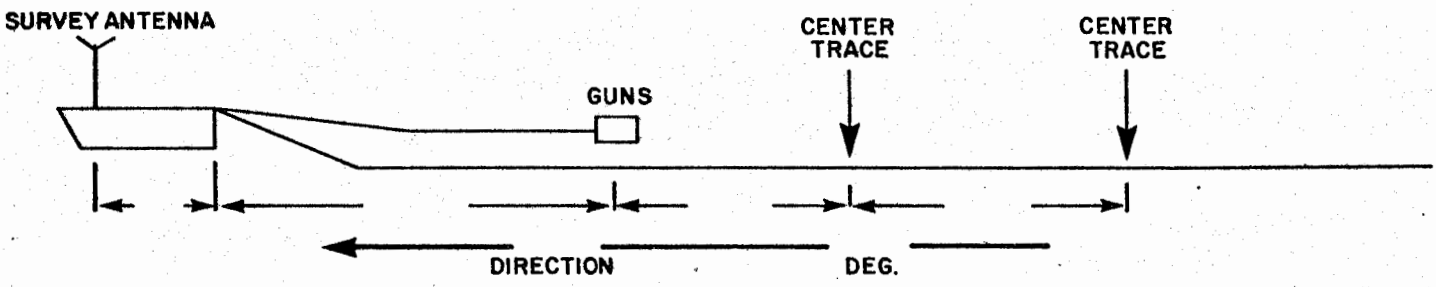
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
35dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		Start logging 3.5 kHz → paper							1538	
		SOF L1351.DAT							1543	
		1/2 sec Pire								
		1/8 sec Sweep								
		Almost lost fish on pot → steaming circles while fix							1548	
		Nav - crashed for 3 min							1554	
		1ms delay on 3.5 kHz							1600	
		→ many crab pots - trackline sinuous								
		Boomer offline No Data 3.5 continues							1647	
		Boomer online - switch to spare reciever							1705 → 32dB	
		Continue Next Page →								

Continue
L1351

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL _____ SYSTEM TYPE _____ DATE _____

OFFSET _____ PRIME NAVIGATION _____

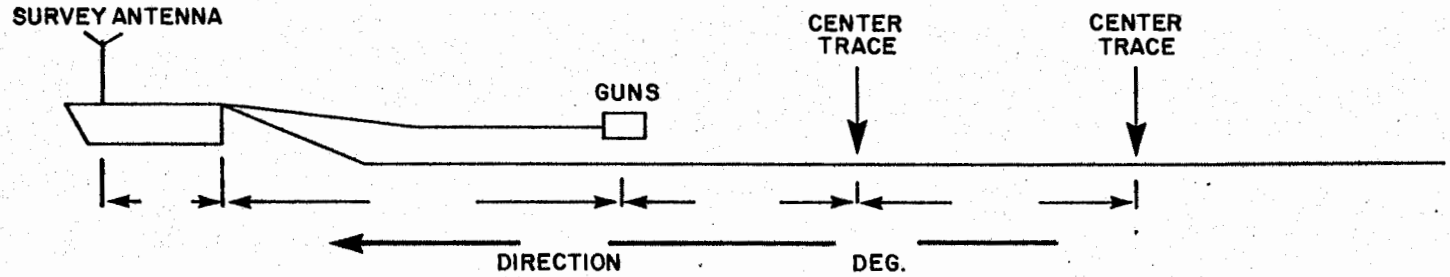
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		Cont.:								
		Adj. delay ON 3.5 kHz							1744-55	
		Crossing shoals off Willapa Bay erosion surface visible diving down to ~30m							1805	
		Possible Willapa Paleo Channel 65m below sea level					Pings 0-28,300		1915→1920	
		EOT							1947	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Carlics SYSTEM TYPE _____ DATE 8/31/97

OFFSET _____ PRIME NAVIGATION _____

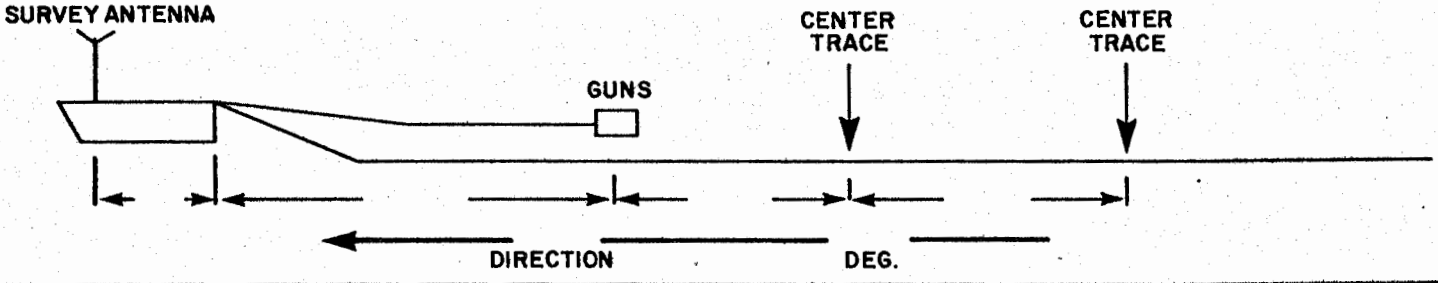
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				30	3000			

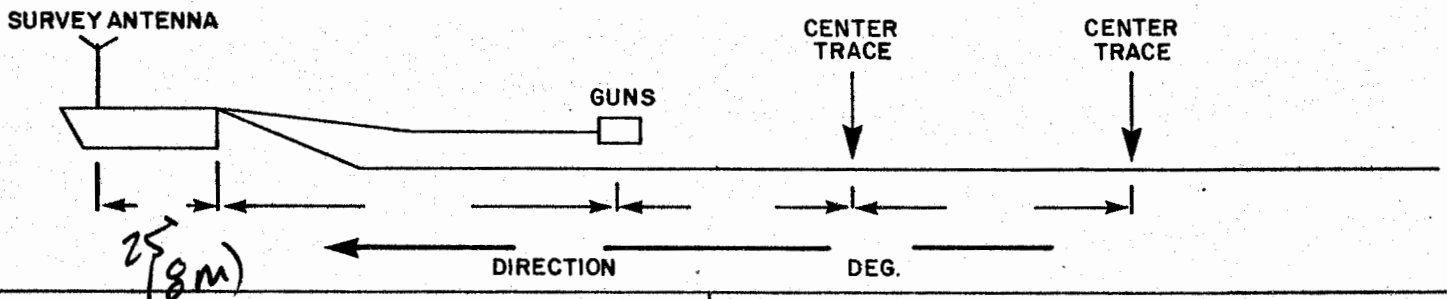
DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		SOF L1382.DAT							1948	
		Degee structures faintly visible in paper record Below 60ms; may be erosion surface - maybe processing will bring them out							1935→	2010
		EPC Data logger crash (EOF) → printed record still undistorted							2058	
		Pull in hydrophone - wrapped up w/ SIDE SCAN							2150 - 2152	
		NAV went down for a few minutes - pulled streamer in as well to check for damage a 2nd time							2207	
		Δ to 35dB							2216	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Cardiss SYSTEM TYPE _____ DATE 8/31/97

OFFSET _____ PRIME NAVIGATION _____
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____
PROSPECT _____ TRACE INT. _____
LOCATION _____ SHOT INT. _____
SAMPLE RATE _____ MS. BPI _____ WEATHER _____
RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
35 dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L353.DAT							2059	
		Ken leaned on keyboard & sabotaged file							2304	
									[redacted]	
		Back online, Appending to existing file							2306	
		EOF							0037	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT JD 244

VESSEL Carlis SYSTEM TYPE _____ DATE 9/1/97

OFFSET _____ PRIME NAVIGATION _____

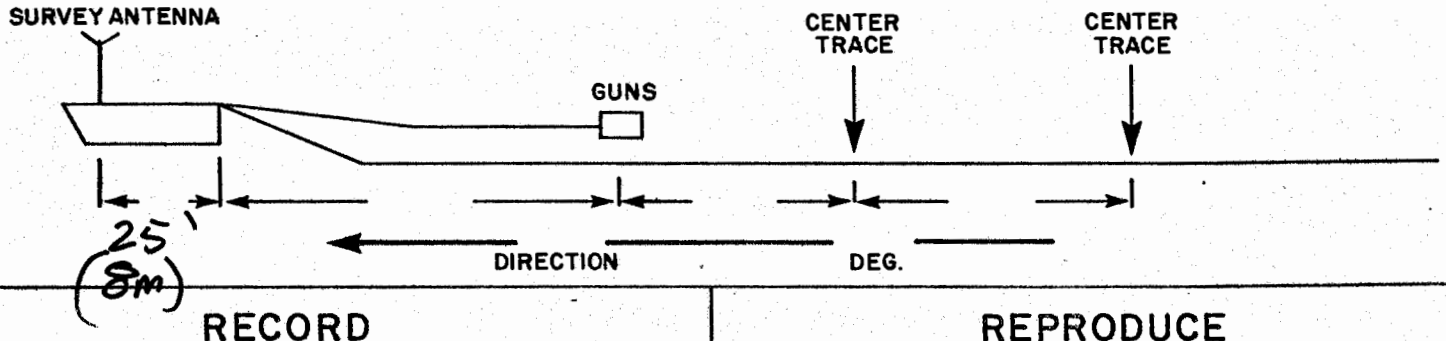
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
~~Z9dB~~				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		L1451.DAT SOF				32dB			1745	
		3.5 Logging ON Paper							1724	
		Boomer dropout — change gain to 47dB							1755	
		Ken thinks possible prob. w/ hydrophone								
		Ken pulling in hydrophone							1757	
		L1451.DAT - EOF - system crashed							1958	
		L1452.DAT SOF							1959	
		UPT 26 — Change Geese							2151	
		Pull Streamer IN for check							2233	
		EOF							2247	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Corliss SYSTEM TYPE _____ DATE 9/1/97

OFFSET _____ PRIME NAVIGATION _____

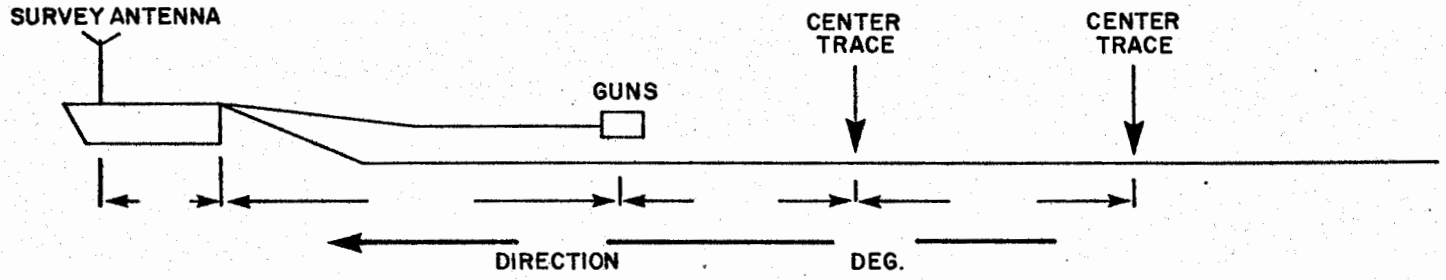
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
46dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L1581.DAT							2252	
		EOF EPC Crash							2258	
	SOF	L1552.DAT							2259	
		KEN Fveting w/ EPC							2301	
		↳ thinks hydrophone is damaged							↳	
		* Periodic NOISE IS completely mucking up Record							2347	
		EOF							2354	
							46° 02.04			
							-124° 02.99			

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

JD 245

VESSEL Coles SYSTEM TYPE _____ DATE 7/2/97

OFFSET _____ PRIME NAVIGATION _____

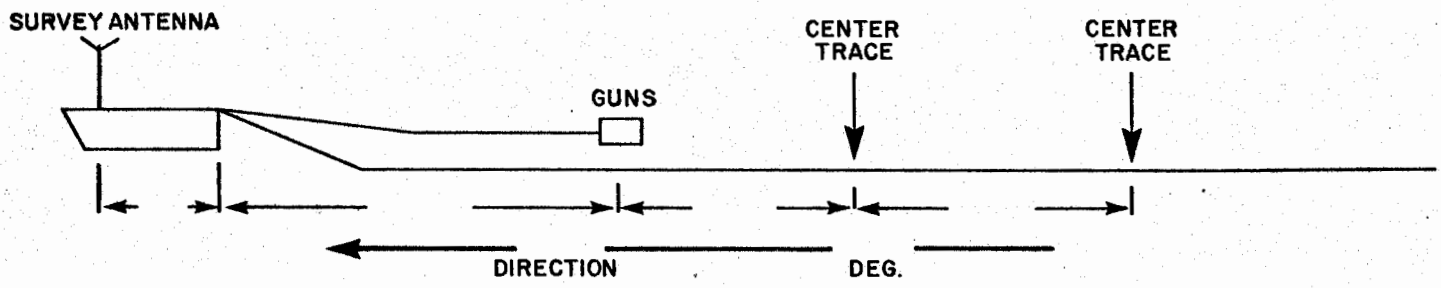
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
55dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		Start logging 3.5kHz							1558	
		Start logging boomer → PAPUEPC							1610	
SOF		L1651.DAT							1618	
		1/4 Sec. Sweep								
		1/2 Sec. FIRE RATE								
		Change to 32dB							1622	
		Pull streamer to try other one							221623	
		EOF							1624	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Carlos SYSTEM TYPE _____ DATE 9/1/97

OFFSET _____ PRIME NAVIGATION _____

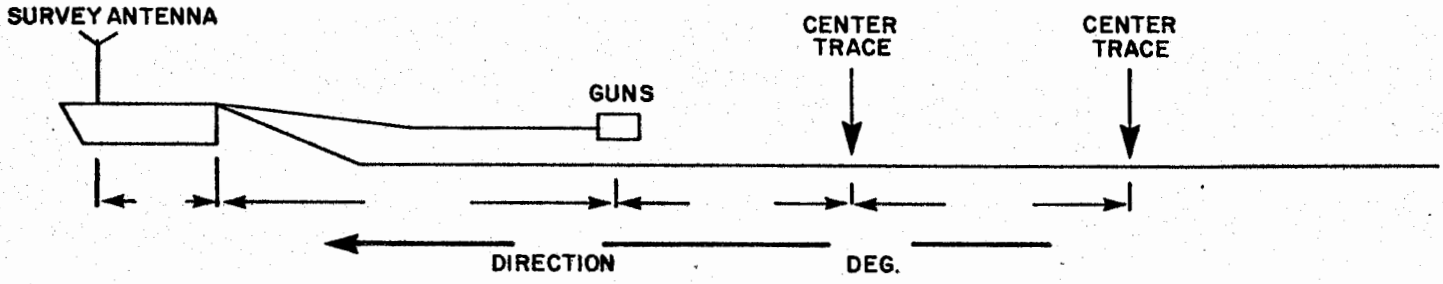
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
32 DB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
SOF		L1651.DAT – APPENDED				~			1647	
		using Bentlos streamer ½ sec fire rate								
		300 joules power, 300-3000 Hz filter, 35 DB gain								
		Holocene/Pleist. Contact visual on both 3.5 & Boomer ~ Appox 10 m thick							1715 →	
		EOF							1727	
		No! more likely the base of the E66 Delta								

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Corlics SYSTEM TYPE _____ DATE 9/2/97

OFFSET _____ PRIME NAVIGATION _____

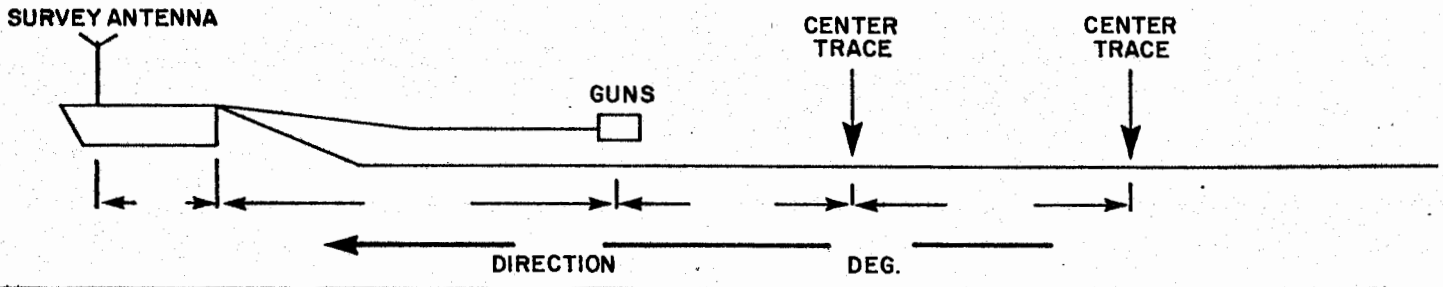
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
35dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	80F	L16S2.DAT							1727	
		1/2 Sec File for 3.5 & Boomer								
		up to 41dB then down to 38dB							1756	
		Possible south side to channel Columbia P-Valley							1910–1915	
		EOF							1929	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Corliss SYSTEM TYPE _____ DATE 9/2/97

OFFSET _____ PRIME NAVIGATION _____

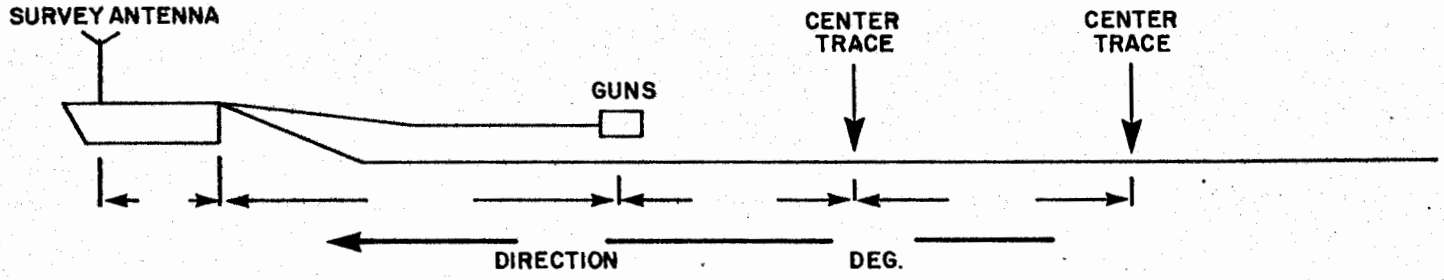
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
38 dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	8 OF	L1653.DAT							1930	
		~~SWEEP~~								
		SWEEP changed from 1/8 sec to 1/4 sec								
		EOF							1937	
		decided to set delay instead of sweep!								

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL _____ SYSTEM TYPE _____ DATE _____

OFFSET _____ PRIME NAVIGATION _____

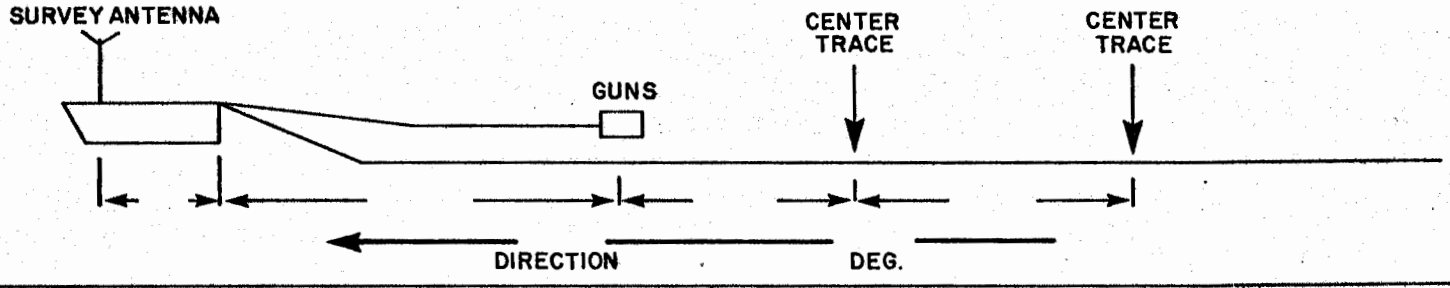
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L1654.DAT							1937	
	*	Delay of 63 msec. set								
		EOF							2041	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL Curtiss SYSTEM TYPE _____ DATE 9/2/17

OFFSET _____ PRIME NAVIGATION _____

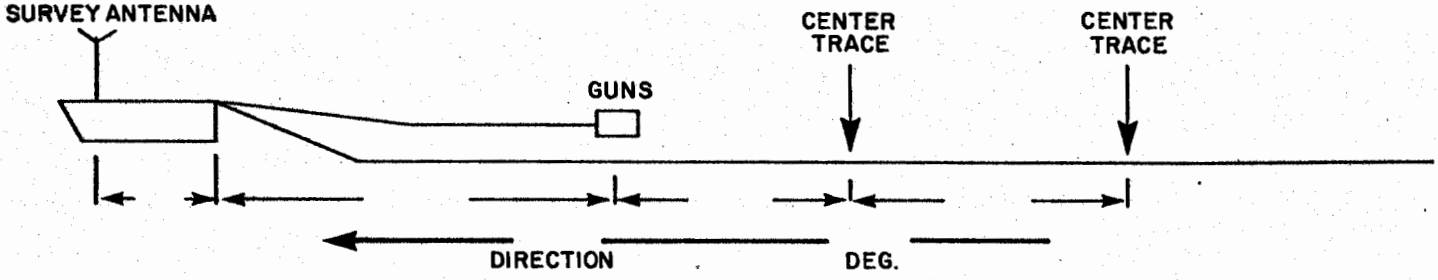
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	8F	L1751.DAT							2043	
		No Delay!								
		EOL							2112	

U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT

VESSEL _____ SYSTEM TYPE _____ DATE _____

OFFSET _____ PRIME NAVIGATION _____

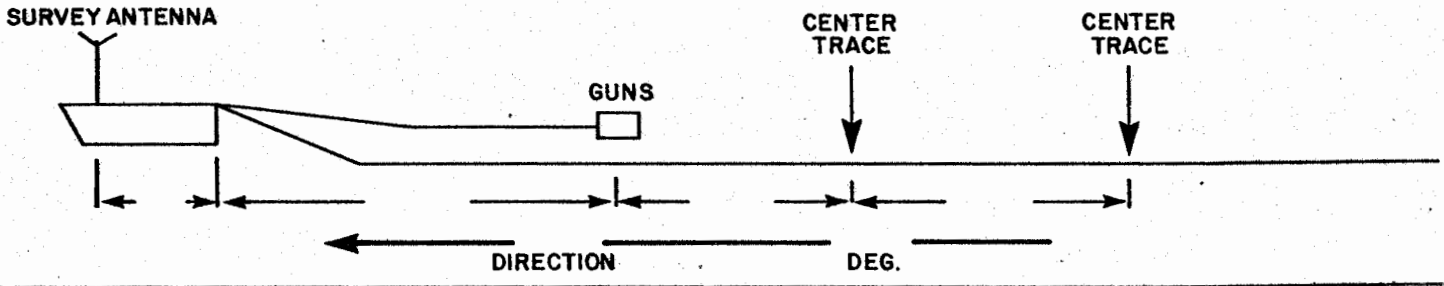
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

PROSPECT _____ TRACE INT. _____

LOCATION _____ SHOT INT. _____

SAMPLE RATE _____ MS. BPI _____ WEATHER _____

RECORD LENGTH _____ SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (600 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L1852.DAT							2112	
		No Delay (Skip L1851)								
	END	L18S2.DAT							2147	
	SOL	L18S3.DAT							2148	
		32 ms delay.								
		EOF							0001	

JD 246

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Curtiss CRUISE NO. _____ DATE 9/3/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

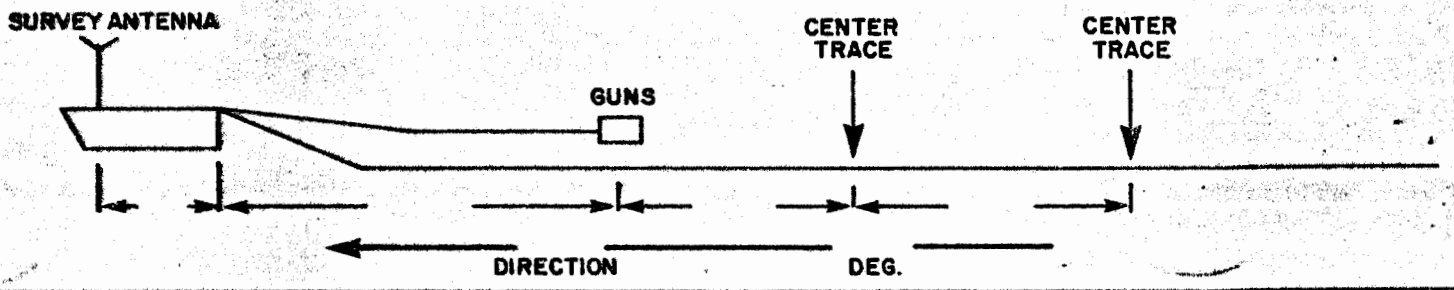
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
38 dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L1951.DAT							1613	
		Both 3.5 & Boomer at 1/2 sec fire 1/8 Sec Sweep 300 Joules								
		EOF → Crash System - bad plug							1641	
	SOF	L1952.DAT ↑ GAIN (41dB)							1645	
		Gain Back to 38dB							1654	
		EOF							1654	
		Keen Massaging electronic gremlins, playing right into their hands								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

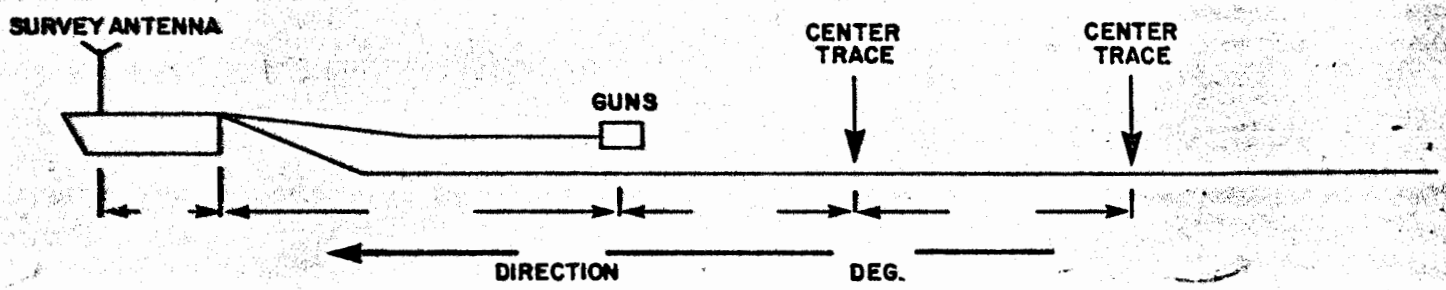
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
32dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L1953.DAT							1656	
		Add 32ms DELAY							1702	
		Delay now at 63ms							1737	
		EOF							~~1823~~	
									1833	
		CALLED L953								

SD246

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Carlos CRUISE NO. _____ DATE 9/3/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

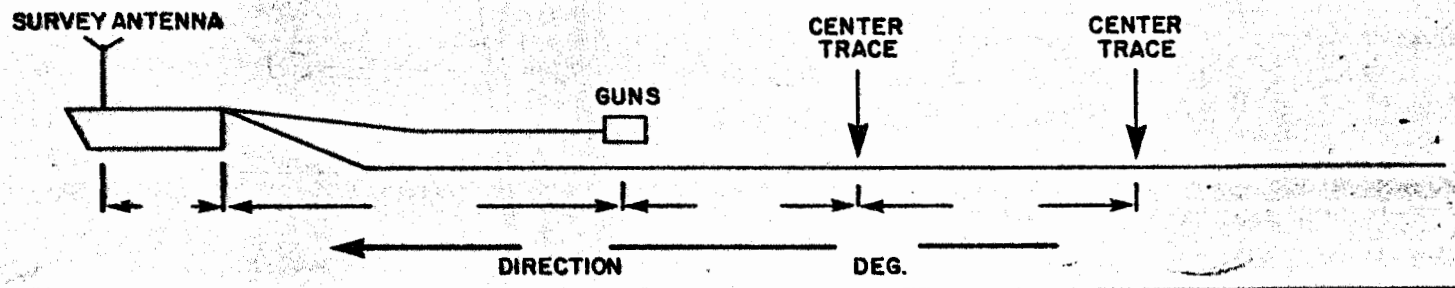
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
38dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF		L2051.DAT						1833	
		* Moved hydrophone from vent entry to get it away from power source - No change in interference								
	X	This was actually done at the end of L1953.DAT								
		Problems w/ EPC paper recorder							1839	
		Back online							1840	
		UP GAIN to 41 dB							1853	
		GAIN back to 38dB							1855	
		EOF							1908	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Conics CRUISE NO. _____ DATE 9/3/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

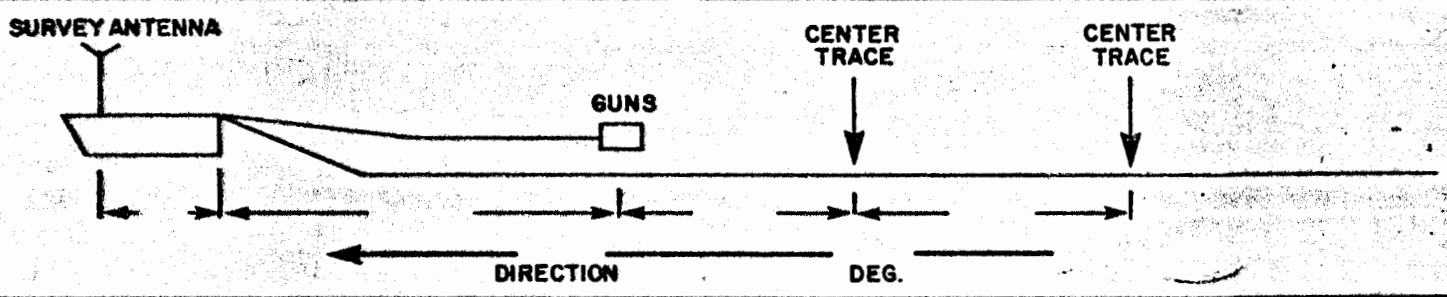
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
38dB								

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	S&F	L2151.DAT							1909	
		Delay ~63 ms								
		EOF crash EOF							2002	
	S&F	L2152.DAT							2005	
		Delay @ 32 ms								
		Delay @ 0 ms							2043	
		EOF							2112	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Carlise CRUISE NO. _____ DATE 9/3/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

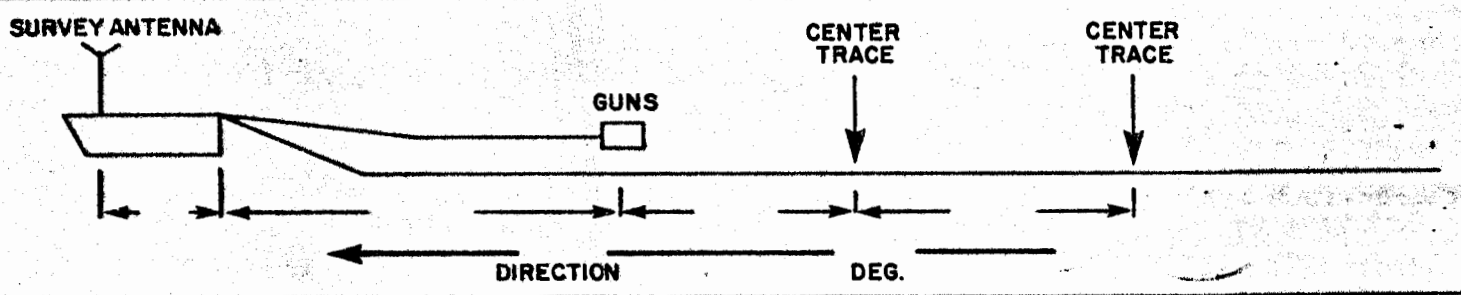
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
38 dB				200	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	SOF	L2251.DAT							2113	
		EOL								
									2158	
	SOF	L2351.DAT			38dB				2159	
		Change Paper in EPC							2204	
		Paper Back online							2221	
		Gain increased to			35dB				2225	
		Delay set to 32 ms							2243	
		Gain increase to 41 dB							2343	
		Increase delay to 63 ms							2345	
JD247		EOF			END DAY!				0031	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

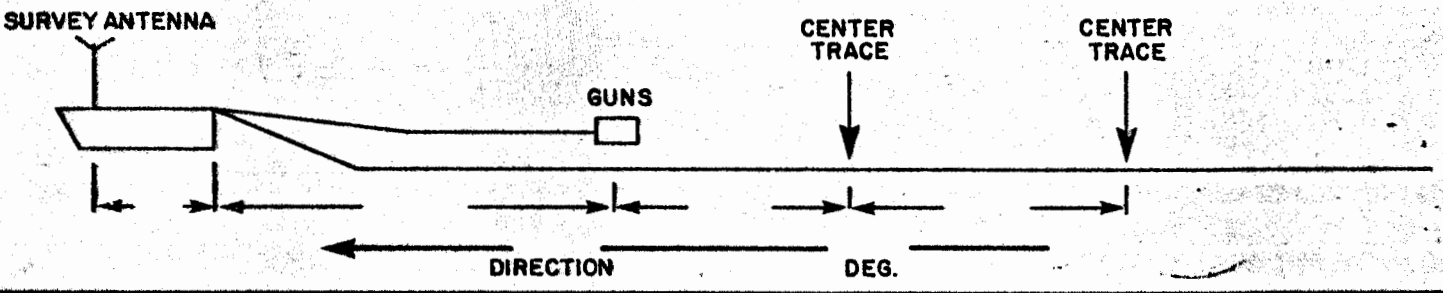
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
		JD 247								
	~~[illegible]~~	~~L24S1~~ L24S1							1542	Start LINE 24
		500 ms fire rate								
		125 ms scan rate								
		Filter 300-3000 HZ								
		Gain 41 dB			- 300 joule EG+G power supply					
	1659	Boomer logger crashed								
	1700	Start L24S2								
	1705	64 ms DELAY								
	1716	Noisy record due to 2 tugs passing								
	1737	Decrease gain to 38 dB								
	1738	Increase gain to 41 dB - some noise at bottom of record -								
		Trying to figure out what it is								
ping 5028	1741	Increase gain to 44 dB - Filter lowered to 200 HZ								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

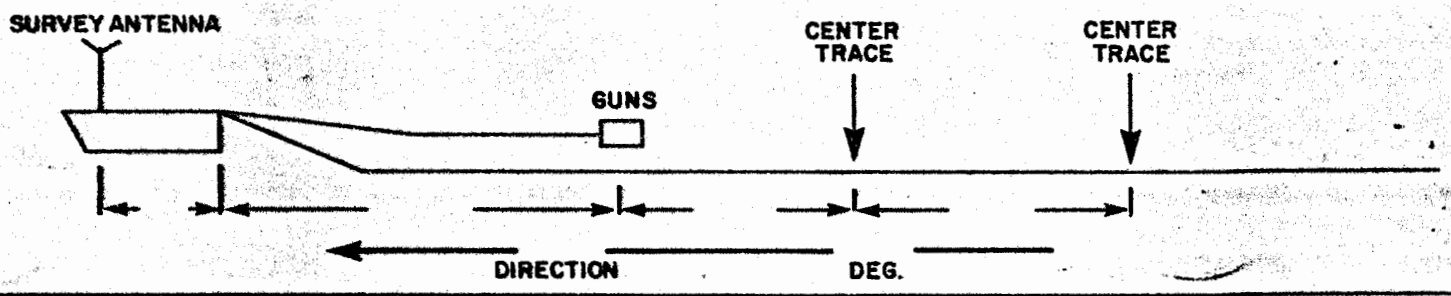
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (300 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	1746	ping 5400 Switch lower filter setty back to 300 Hz								
	1750	ping 6023 120 ms delay								
	1831	EOL 24 - SOL 25 - start L25S1								
	1907	EOL 25 - SOL 26				START	L26(S)			
	1916	From 1907 to 1916 delay			had 0 ms delay - no delta - now 125 ms					
	1920	EPC logger doing weird things - rebooting it								
	1927									
	1931	Start L26S2			125 ms delay					
	1930	Sweep direction had been reversed, but now it is correct - for the 1st 3 minutes the Canyon Lead is upside down.								
	1953	Change delay to 62 ms from 125 ms								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

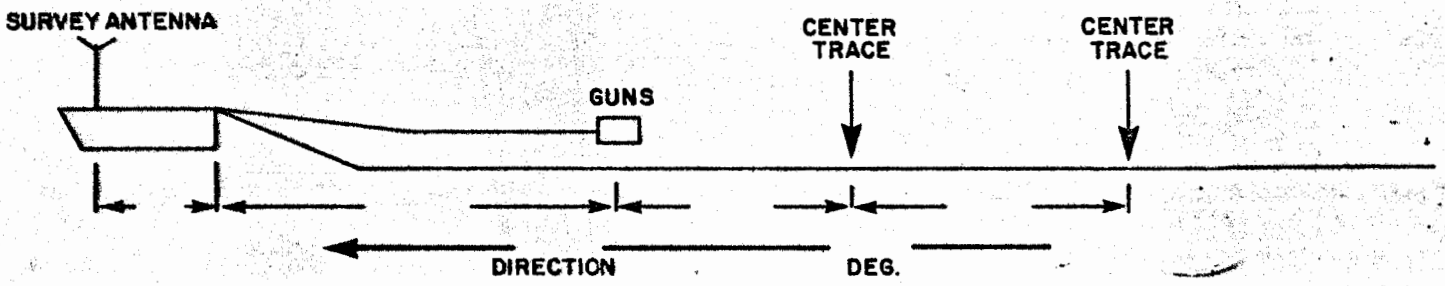
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. In. @ _____ psl @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	2016	Error on EPC - not sure how much time lost, but probably 5 min								
	2017	L2653 - still at 62 ms delay								
	2029	Reboot EPC - End L2653								
	2031	L2654 - change delay to 32 ms						LOST	NAV	
	2033							REBOOTING	NAV	
	2049	EPC crashed again. Putting another disk in to give it a try								
	2125	L2655 : 0 ms delay								
	2155	End of file L2655								

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD248

VESSEL Corliss CRUISE NO. 97007 DATE 5 Sept, 97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

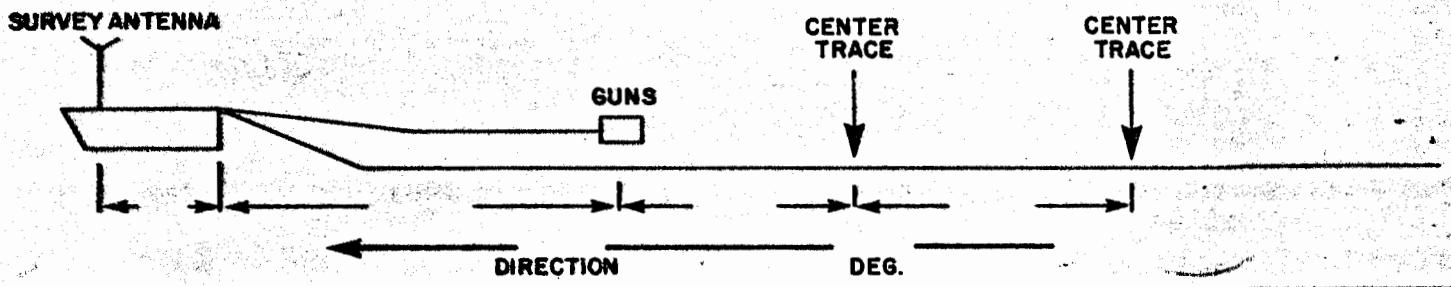
LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. in. @ 300 joule psi @ _____ depth (m)

Benthos streamer



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
	2	JD248 9/5/97								
		RUN TEST AFTER								
		F NOD								
		START TST1							1504	1516
		TEST 1 PLAY BACK ON								
		~~LOST L2751~~								
		START L2751							1622	
		100 MS DELAY							1624	
		LOST NAV							1735	
		END L2751								
		START L2752							1744	
		Changed files because time & nav were weird								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Lorliss CRUISE NO. 97007 DATE 5 Sept 97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

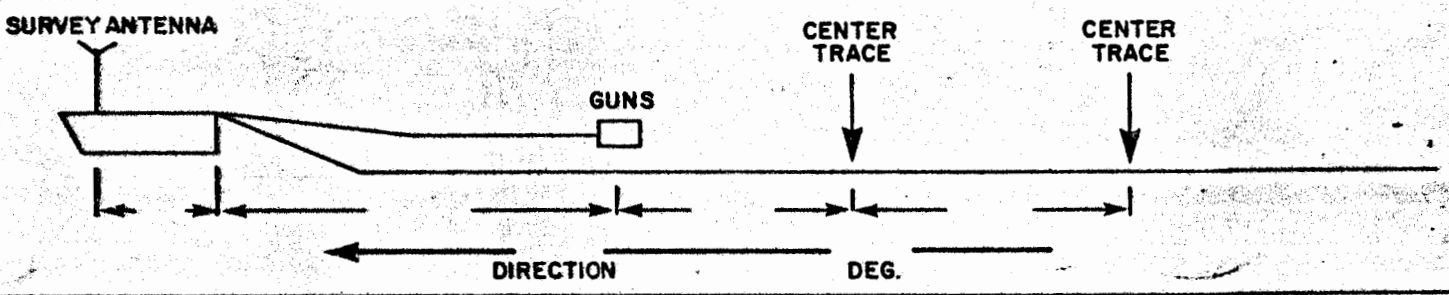
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. In. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3000		44dB	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	1900	EPC logger crashed					EOF L27532			
	1902	Start L27553			-		100 ms delay			
	1916	75ms delay			Start	L27554				
	1939	EOL 27								
		EOF L-27F4								
	1941	SOL 28								
		SOF L28-81								
		NO NAV								
	1943	NAV NOW								
	2010	Change delay to 50ms - ping 3535								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

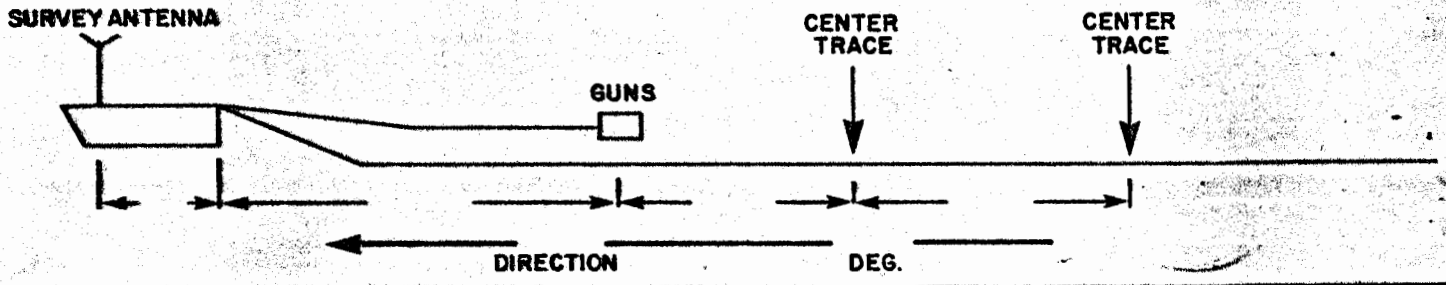
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3KHZ		44dB	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	15	248	28							
		L2851								
		EOF							2039	
		RENOVE DELAY								
		SOF L2852							2040	
		2109 caught crab pot pig 4058								
		PING #4112							2122	
		GAIN DOWN 3dB								
		TO 41dB								
		2124 - Nav disk had been off on Barry's computer, but don't know when it was turned off.								
		2155 END OF LINE END OF FILE								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Corliss CRUISE NO. 97007 DATE 6 Sept 1997

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

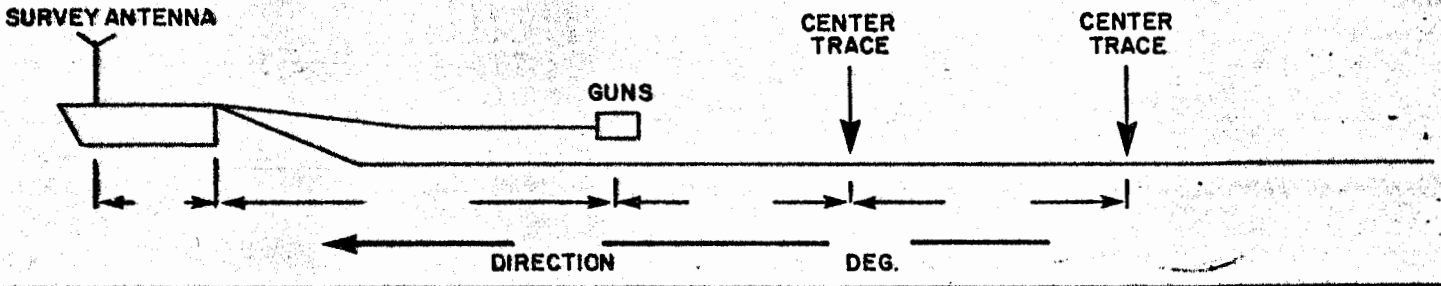
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3000		44dB	300 joule

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
		249	L2951		~~1644~~				1644	
		WAV ON							1648	
		using ITI streamer								
		WAV DOWN							1706	
		WAV UP							1710	
		Anotating time on data because nav flaky							1725	
		REBOOT (NAV SUX!)							1730	
		L2952							1734	
		32 ms delay ping 766							1742	
		EOL 29 EOF ~~L0958~~ L2952							1828	
		~~EOL 30 EOF L3051~~							~~1830~~	
		CHANGE STREAMERS							1830	
*		L3051 - Benthos streamer - 41dB gain							1841	*
		44 dB gain at ping #1000							1850	

U.S. GEOLOGICAL SURVEY

DFS V LOG JD 249

VESSEL Corliss CRUISE NO. 97007 DATE 6 Sept 97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

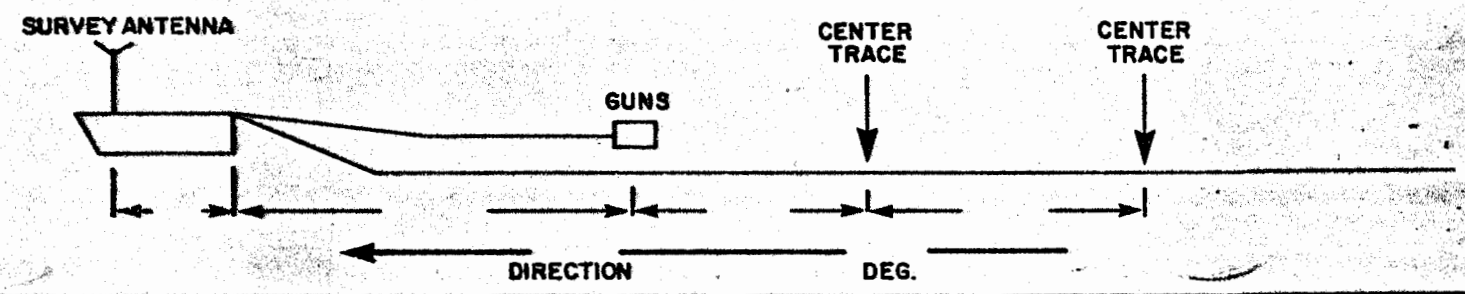
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. in. @ 300 joule psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
				300	3000		44dB	

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
JD249		50ms delay			ping # 1216				1650	
		EPC crash							2100	
		L3052			50 ms	delay			2101	
		L3052 - EOF							2237	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Coeliss CRUISE NO. _____ DATE 9/7/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

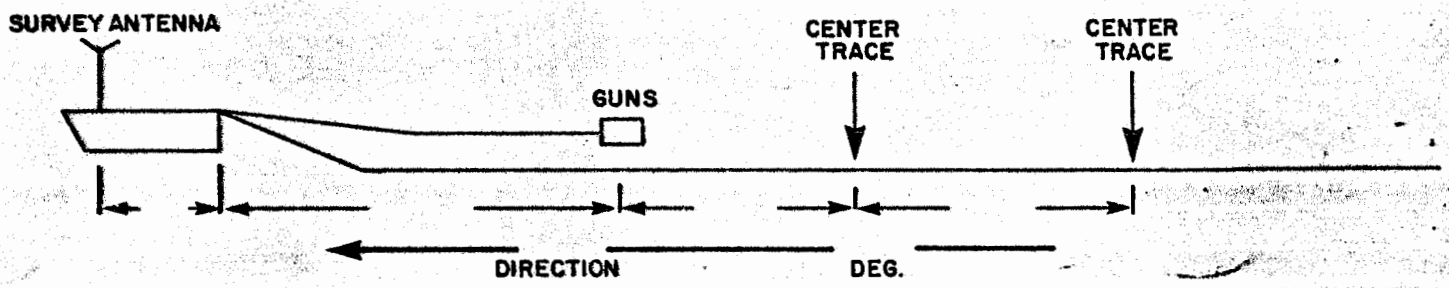
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
44dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	80F	L3151.DAT							1534	
		Started off w/ 50ms Delay, Min Alt Zero ms							1536	
		60ms Delay Introduced							1653	
1725		ping 13216 - changed ~~only~~ trigger pulse characteristics								
1753		ping 16625 changed delay to 100 ms								
1758		EOF								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Carlos CRUISE NO. _____ DATE 9/7/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

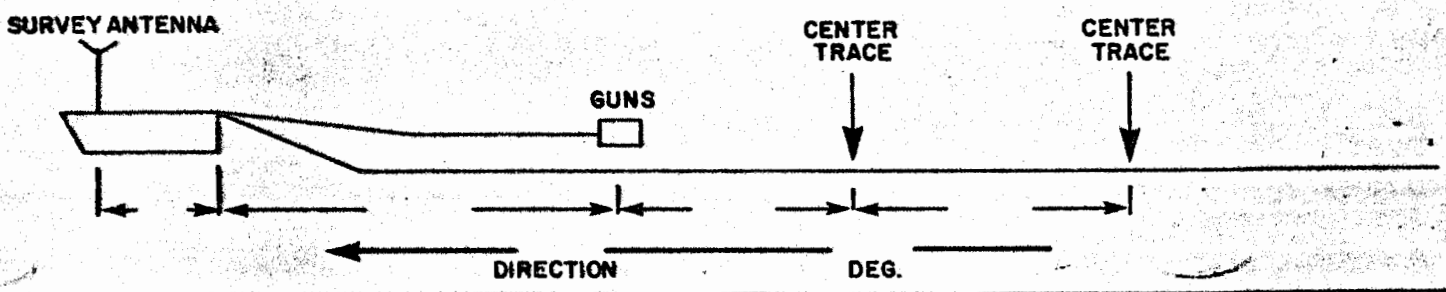
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
44				300	3000			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	1759	L3251.DAT			SOF					
		100ms Delay								
	1820	Noise from passing Boat								
	1841	EOF								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Cr. CRUISE NO. _____ DATE 9/7/87

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

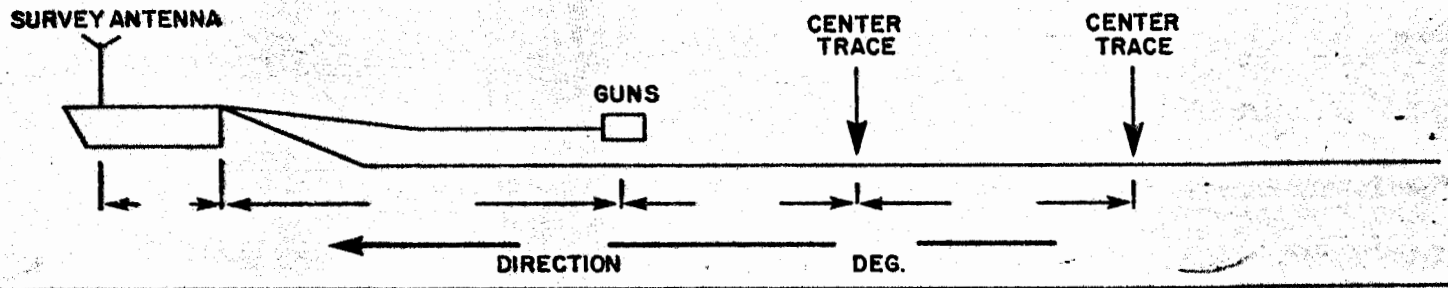
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
44dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	1841	L3381.DAT			SOF					
		Non HT 50 ms delay - onshore							LINE	
	1936	EOF								
	1936	L3382.DAT			SOF					
		shift to 0ms Delay								
	2058	EOF END LINE								

U.S. GEOLOGICAL SURVEY

DFS V LOG 8 Sept 1997

VESSEL Corliss CRUISE NO. 97007 DATE 251

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

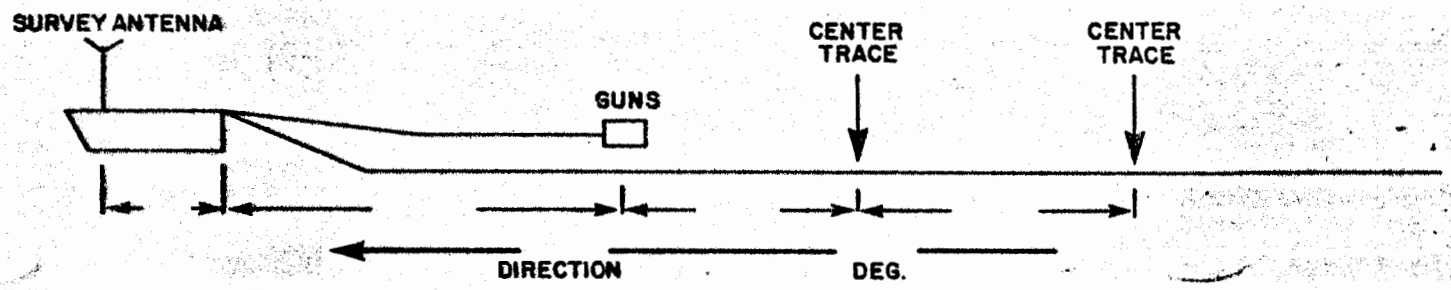
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer _____ cu. in. @ 300 joule psi @ _____ depth (m)
Benthos streamer



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3000		44DB	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
D251	1616	L3481			SOF				1616	
		AWG 5228								
		85ms DRHA)							1700	
	1741	~~L3452~~ L3451			SOF EOF					
	1742	L3452			SOF	50 ms delay				
		L3452 EOF							1842	
		SOL 34								
		SOL 35								
		SOF L3551. DAT							1843	
		PMG 2465				+1			1904	
		RECONFIGURE TRIGGER								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Surveyor CRUISE NO. 9700 DATE 9/8/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

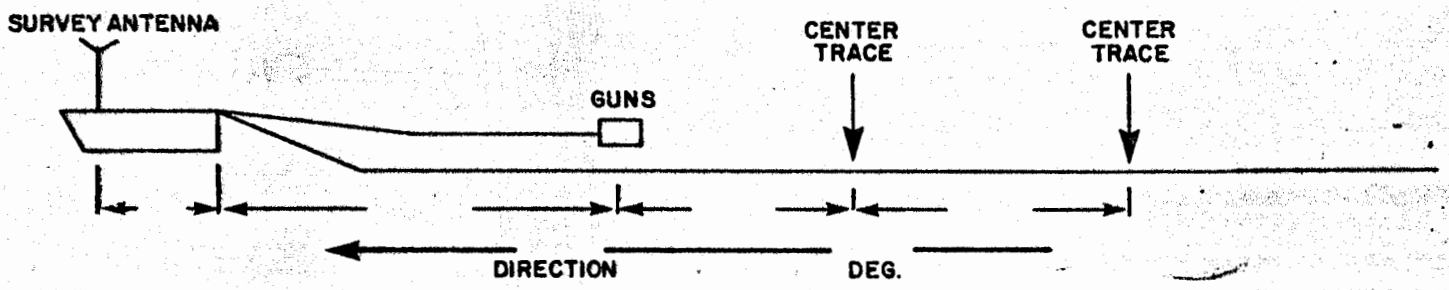
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. in. @ 300 J psi @ _____ depth (m)
Bladders Plate



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
				300	3 KHZ		44dB	

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
		251								
		CONTINUES LINE 35 FILE 3651							1906	
		EOF L3651 EOL 35							1916	
		SOL 36 / SOF L3652							1917	
		ADJUST TRIGGER →							ADJUST	
		2022 ping 7762 change from 50 to 30 ms delay								
		2057 EOF L3651								
		2100 SOF L3652							0 ms delay	
		2132 EOF L3652 EOL 36								
		PULL GEAR								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Carlos CRUISE NO. _____ DATE 9/9/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

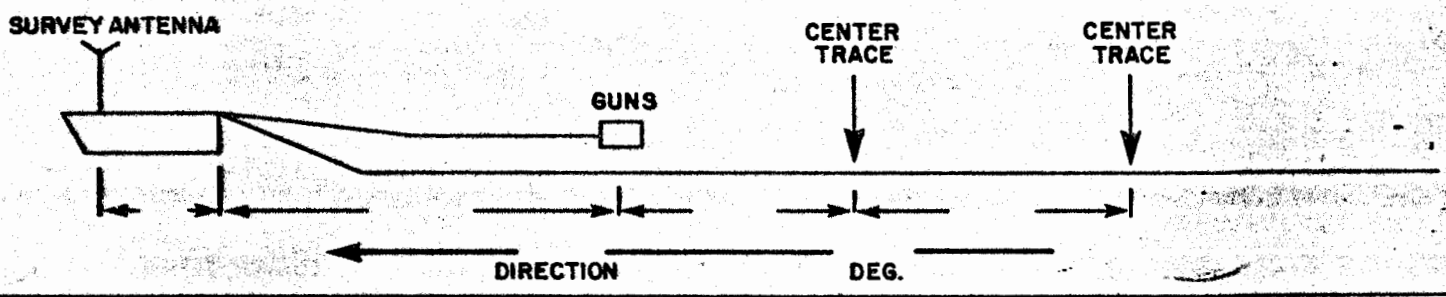
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
44dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L3751.DAT							1652	
					both 3.5					
		Sudden noise on Boomer record							1729	
		GAIN change → 38dB								
						← ping	5000	→	1736	
		GAIN change → 41dB				ping	5400		1738	
		Ken Pulling in hydrophone for check					7200		1759	
					EPC CRASH	EOF			1802	
		SOL 38 39								
		SOL 2389.51.DAT								

U.S. GEOLOGICAL SURVEY

JD 252

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE 9/9/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

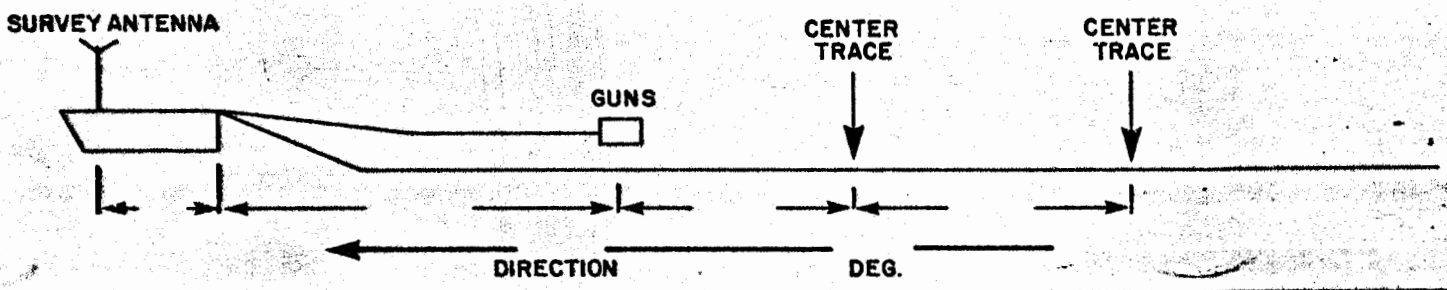
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. In. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
41 dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L3752.DAT							1802	
		Ken turns off Boome for adjustment							1805	
					Ping ~ 330					
		Boome back ON							1807	
		Delay set to 50ms @							1809	
					ping 821					
		GAIN up to 44 dB			ping 1389			~	1815	
		Ken adjusting 3.5 settings							1815	
		3.5 off							1820	
		" ON							1822	
		Delay now set to 70ms			ping 2955				1827	
		SET to 41 dB			ping 3094				1828	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

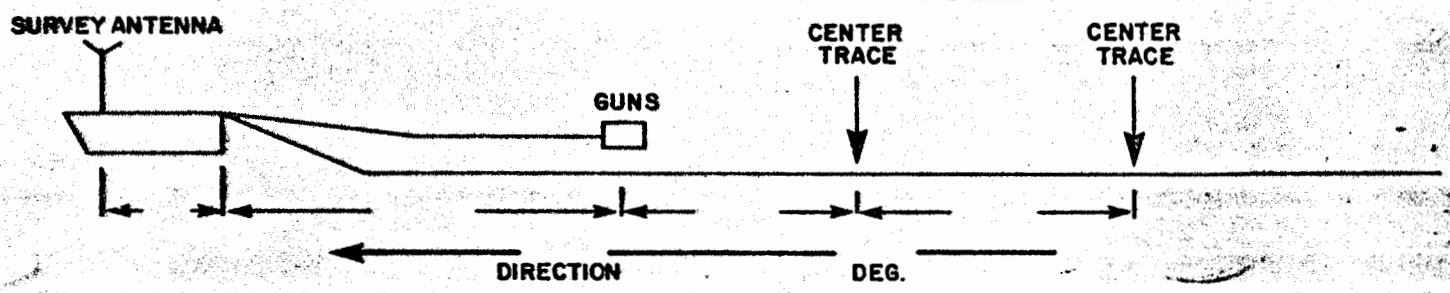
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN / IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
	1843	increased gain 3dB to 44				do ping 4849				
	1844	lower lowcut gain to 200 - also changed gain back to 41 dB					4966			
		Turned 3.5 back on, & gabby K- talk on boomer				ping 8300				
	1928	EOF, EOL				ping 10200				

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

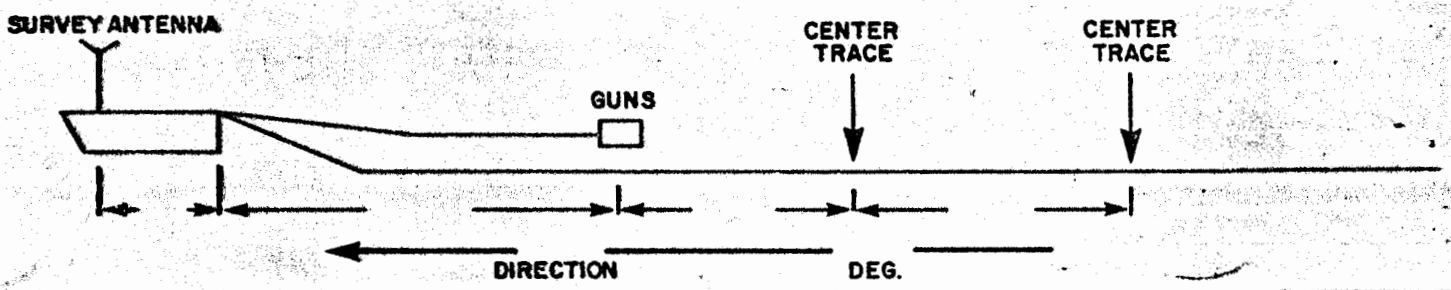
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
41dB				200	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
	1929	L3851.DAT					SOF			
		getting interference on seismic record from some								
		source other than 3.5								
	1936	Ken pulls in hydrophone for check					ping	919		
	1	↳ plus assorted adjustments to 3.5								
	1938	Turn off reciever for moment					ping	1200		
	1944	up gain to 44dB					ping	1800		
	1949	chang filter to 300 Hz from 200					ping	2500		
		also gain now at 41								
	2016	44 dB				ping #	5756			
	2020	41dB, DELAY @ 90ms					6089			
		up gain 44dB				ping #	9982			
	2144	EOF EOL				ping	16311			

U.S. GEOLOGICAL SURVEY

DFS V LOG JD 253

VESSEL CORLISS CRUISE NO. 97007 DATE 10 Sept 1997

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

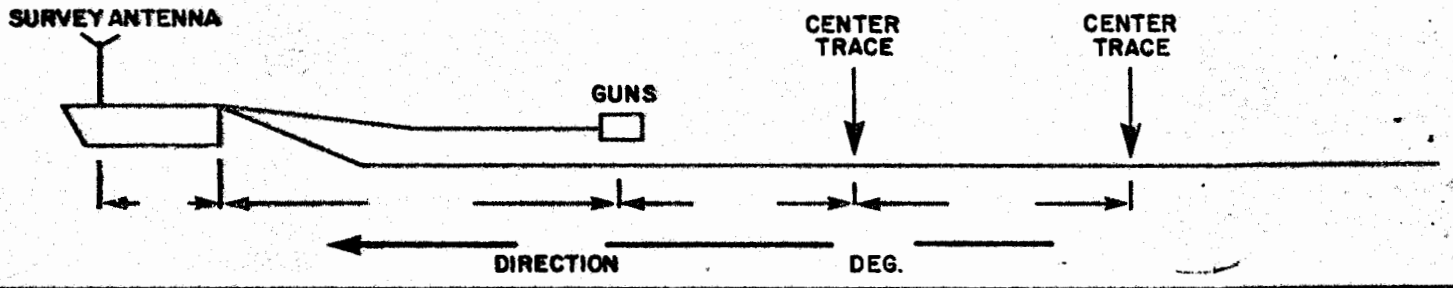
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. In. @ 300 joules psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
	300	3000					44 dB	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	1542	Start L3951			SOL 39					
		1/2 sec shot			125 ms dig rate @ 0 ms delay					
	1622	20 ms delay						ping 4780		
	1906	EPC crashed								
	1907	Start L3952								
	1912	Stop L3952 - light on fog drive not coming on & not picking up nav, so reboot								
	PM	Start L3953 - on D drive + light flashing								
	2012	30 ms delay						ping 6894		
	2127	L3953			EOF					
	2127	L3954			SOF					

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD 253

VESSEL Corliss CRUISE NO. 97007 DATE 10 Sept

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

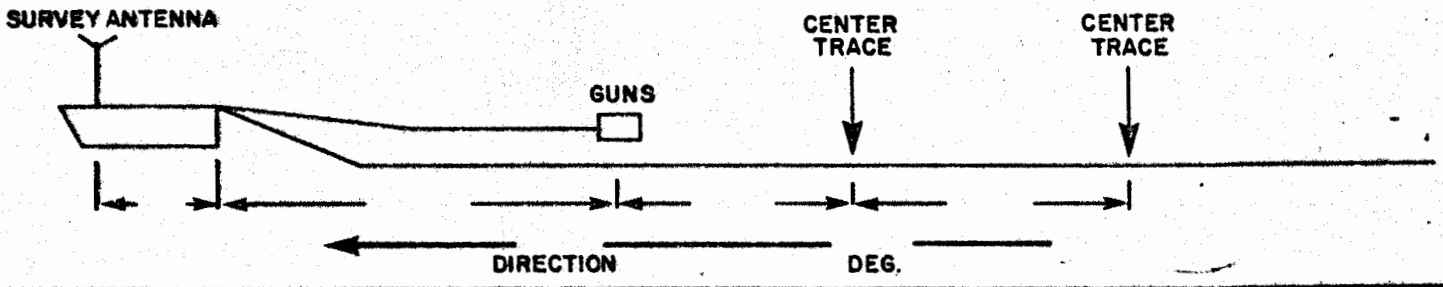
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3000		44DB	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	2255	L3954			EOF					
	2256	L3955			SOF					
	2317	L3955			EOF					
	2320	L3956			SOF					
	2351	L3956			EOF					
	0016	Transferring yesterdays files to jaz drive L3851.DAT + L3752.DAT								

~~Re~~ Disable to reboot because not getting time on system - GPS time + nav seems OK, but time for annotation is not there.

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD 255

VESSEL Corliss CRUISE NO. 97007 DATE 12 Sept, 97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

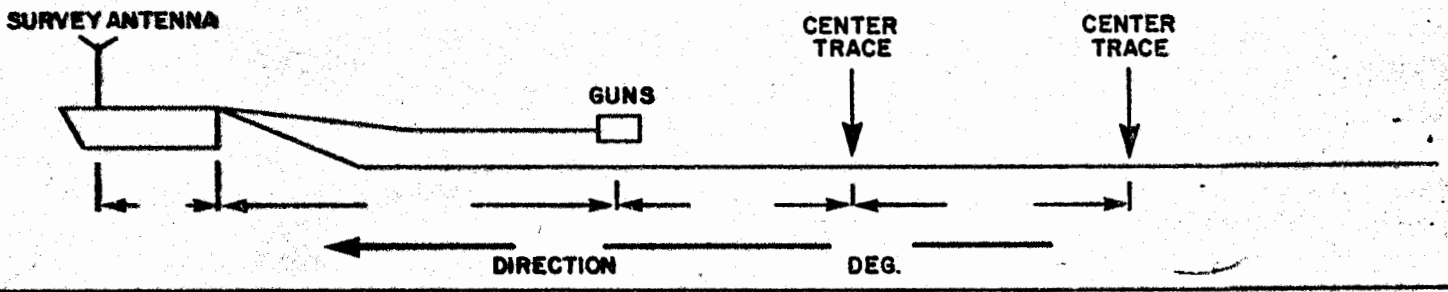
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. in. @ 300 jouls psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
LINE				300	300.0		44	

DESK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
40	1559	L40S1 DAT								
		START LINE 40								
		EOF L40S1.DAT								
	1642	EOL 40								
41	1633	SOL41 / SOF L41S1.Q								
	1721	- caught crab pot								
	1729	20 ms delay						ping	5352	
	1752	L41S1			EOF					
	1753	L41S2			SOF		50 ms delay			
1901	~~1801~~	L41S2			EOF		EPC crashed			
	1913	L41S3								
	1919	70 ms delay						ping	669	
	1937	EOL 41 / EOF								
42	1938	L42S1 SOL42 SOF (42)								
	2000	PING 3705 INCREASED					HC RATE			
	2015	EOL 42 EOF								

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD 255

VESSEL Corliss CRUISE NO. 97007 DATE 9/18/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

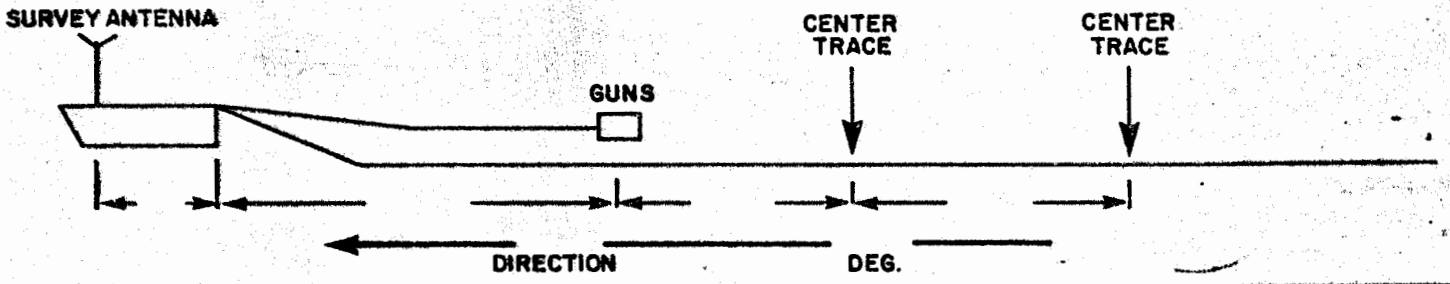
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Bomar cu. in. @ 300 Jolliss psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (300 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
Line Plug				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	LINE NO.	DIR. DEG.	FILE NO. FROM	TO	SP NO. FROM	TO	TIME START	FINISH
43		SOF L43S1 | SOL43								
		Change in TVG Stamp								
	2647	50ms Delay								
	2100	25ms delay			ping	5079				
	2126	L43S1			EOF					
	2127	L43S2			SOF		data logging was disabled for			
		~~L43S3~~					unknown length of time			
	2221	L43S3			SOF	0 ms delay				
	2300	L43S3			1501					
		SOL43								

U.S. GEOLOGICAL SURVEY

DFS V LOG 9/13/97

VESSEL _____ CRUISE NO. _____ DATE 256

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

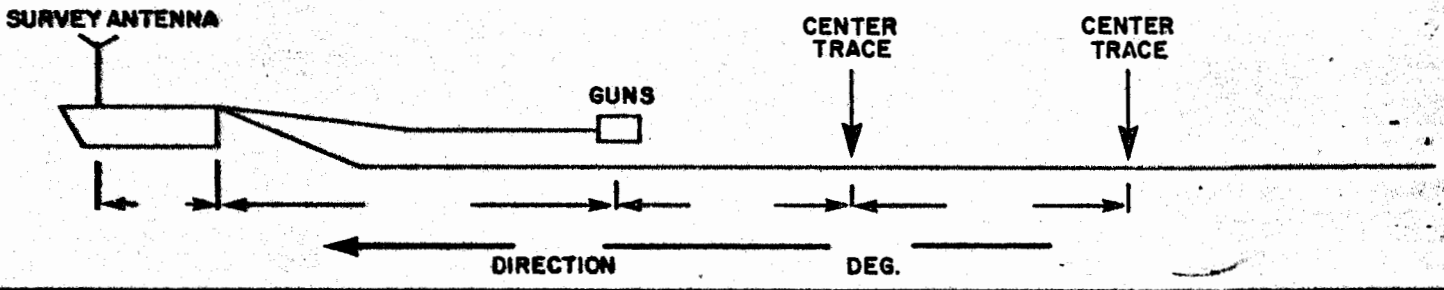
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (300 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
44dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L4451.DAT							1550	
		SNAGGED crab pot on 3.5KHz, pull in hydrophone							1555 to	1600
		L4451 – EOF							1617	
		1/2 sec Shot								
		1/8 sec Sweep								

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL _____ CRUISE NO. _____ DATE _____

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

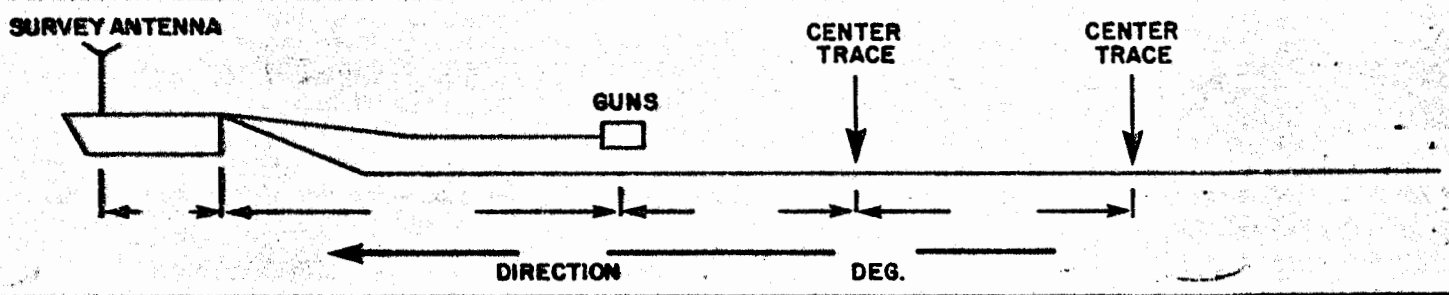
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
44dB				300	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L4551.DAT							1617	
		EOF							1752	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Corliss CRUISE NO. _____ DATE 9/13/97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

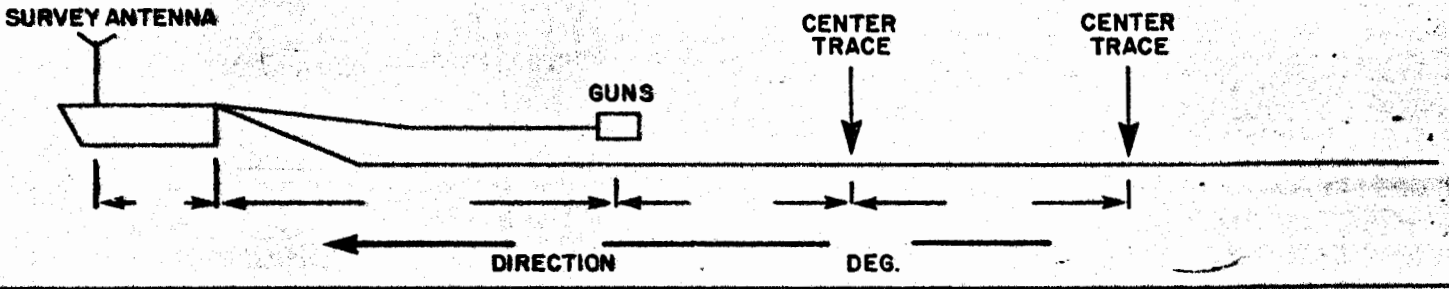
LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE _____ cu. in. @ _____ psi @ _____ depth (m)



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
44 dB				302	3000			

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L4651.DAT							1752	
		30 ms delay				ping	342		1822	
		EOF				ping	11014		1925	
	SOF	L4652.DAT							1926	
		EOF							1957	

U.S. GEOLOGICAL SURVEY

DFS V LOG

VESSEL Corliss CRUISE NO. 97007 DATE 13 Sept, 97

SHOT INTERVAL (DISTANCE) _____ m OR TIME _____ sec.

OFFSET _____ m PRIME NAVIGATION _____

LINE NO. _____ DIR. _____ DEG. CABLE TYPE _____

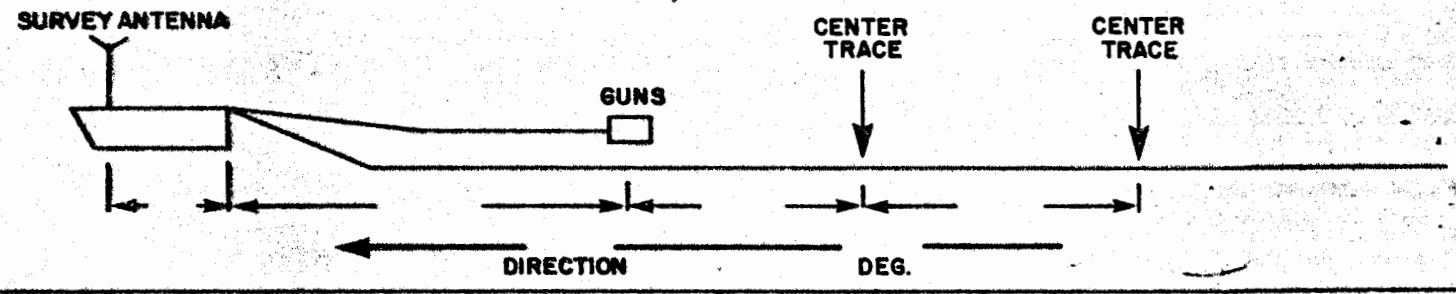
LOCATION _____ TRACE INT. _____

SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH _____ EXTENDED HEADER START WORD _____

SOUND SOURCE Boomer cu. in. @ 300 joules psi @ _____ depth (m)

125 ms digitize rate



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS LO/SLOPE	FILTERS HI	MAN / IFP	FILTERS LO	FILTERS HI	TRIP SENSE	INITIAL GAIN	MODE
				300	3000		44	

DECK NO.	REEL NO.	CONSTANTS DAY NO.	CONSTANTS LINE NO.	CONSTANTS DIR. DEG.	FILE NO. FROM	FILE NO. TO	SP NO. FROM	SP NO. TO	TIME START	TIME FINISH
	SOF	L47S1.DAT							1957	
		Delay set to 60 ms								
	2125	L47S1		EOF			pings 10400		Vee Ann	Ken wants
	2126	L47S2		SOF					a copy	of L47S1
	2220			EOF			pings 2300			
		End Survey								