

DSF-V

LOG

85035/09

OBSERVER'S DAILY REPORT

GYRE-85-G-11

U. S. GEOLOGICAL SURVEY
OFFICE OF ENERGY AND MARINE GEOLOGY

Woods Hole, Massachusetts

02543

85035
GYRE
85-11 104232

85035/09

KM MCS DATA

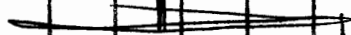
GYRE-85-G-11
5-20 OCTOBER

line	SOL	EOL	KM
1	1	7421	185.5
2	1	1390	34.8
3	1	2874	71.9
4	1	3634	90.9
5	1	1931	48.3
6	1	8490	212.3
7	1	2809	<u>70.2</u>
			713.9

GPS

OFFSET TO ANTENNAE
GYRE-85-G-11

LORAN
ANTENNA



← 12'9" →

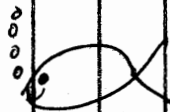
← 54'5" →

← 57' →

STERN

$$\text{STERN} - \text{LORAN} = 69.75' = 21.26\text{m}$$

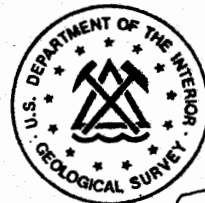
$$\text{STERN} - \text{GPS} = 111.42' = 33.96\text{m}$$



D. Hutchinson
18 Jul 1964

U.S. GEOLOGICAL SURVEY

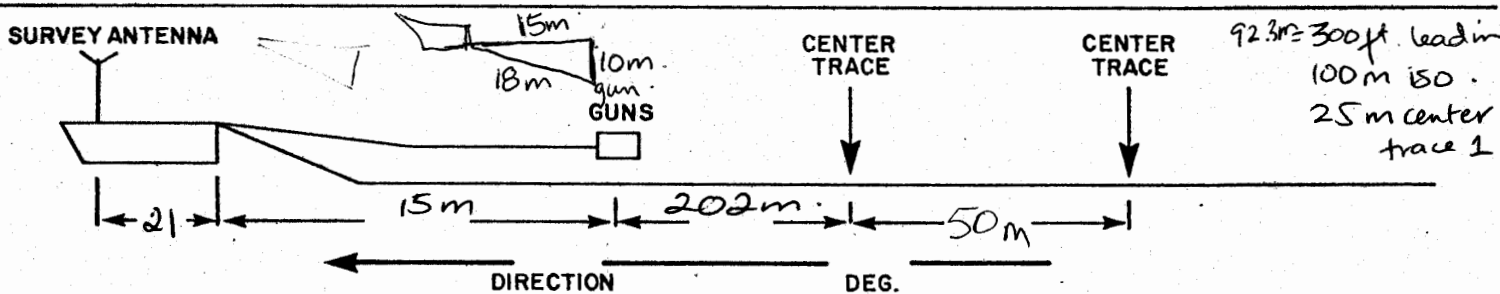
OBSERVER'S DAILY REPORT



VESSEL RV G/RE SYSTEM TYPE DFS V DATE ~~280~~ 281
85 OCTOBER

pg. 1

OFFSET 202m. PRIME NAVIGATION INS
 LINE NO. 1 DIR. _____ DEG. CABLE TYPE SEI / 24/CHANNEL
 PROSPECT FRANKLIN BASIN TRACE INT. 50M
 LOCATION Gulf of MAINE SHOT INT. 25M
 SAMPLE RATE 4 MS. BPI 1600 WEATHER beautiful
 RECORD LENGTH 5sec. SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
<u>48 dB</u>	18 <u>18</u> out	<u>64</u>	<u>IFP</u>	<u>0</u>	<u>64</u>	<u>3</u>	<u>5</u>	<u>ABC</u>

DECK NO.	REEL NO.	CONSTANTS (Leading)			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	1	280 281	0001	128 01	001	418			0233	0358
2	2	280 281	0007	128 01	419	841			0358	0530
1	3 4	281	0001	109	842	1261			0530	0711
2	4 5	281	0001		1262	1685			0711	0845
1	5	281	0001	070	1686	2105			0845	1016
2	6	281	0001	66°	2106	2529			1016	1150
1	7	281	0001	61°	2530	2946			1150	1320
2	8	281	0001	649	2947	3369			1320	1526
1	9	281	0001	027	3370	3788			1526	1659
2	10	281	0001	022	3789	4210			1659	1817
1	11	281	0001	030.8	4211	4626			1817	1926
1	12	281	0001	031.6	4627	5049			1926	2035
1	13	281	0001	031.0	5050	5463			2035	2200
2	14	281	0001	42.6	5464	5884			2200	2321
1	15	281	0001	33.1	5885	6302			2321	0039
2	16	282	0001	32.0°	6303	6723			0039	0206

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DFS V LOG

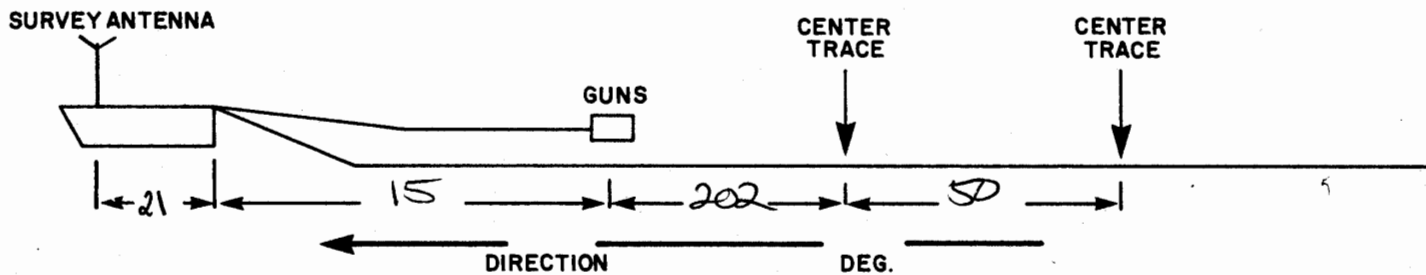
ID 282



line 1
page 2

VESSEL GYREBS-611 CRUISE NO. GYREBS-6-11 DATE Oct 9 1985

SHOT INTERVAL (DISTANCE) 25 m OR TIME _____ sec.
 OFFSET 202m m PRIME NAVIGATION INS
 LINE NO. 1 DIR. _____ DEG. CABLE TYPE SET / 24 channel
 LOCATION July of Name TRACE INT. 50m
 SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT
 RECORD LENGTH 5sec EXTENDED HEADER START WORD _____
 SOUND SOURCE 2 x 540 cu. in. @ 2000 psi @ 10 depth (m)



RECORD

REPRODUCE

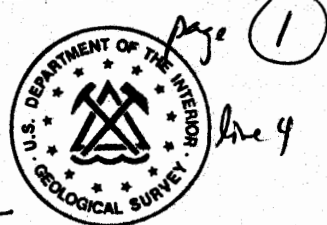
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
48 dB	13 out	64	IFP	0	64	3	5	ABC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	17	282	1	47	6724	7141	6729	7146	0206	0327
2	18	282	1	.	7142	7421	7147	7425	0327	0418

EOL

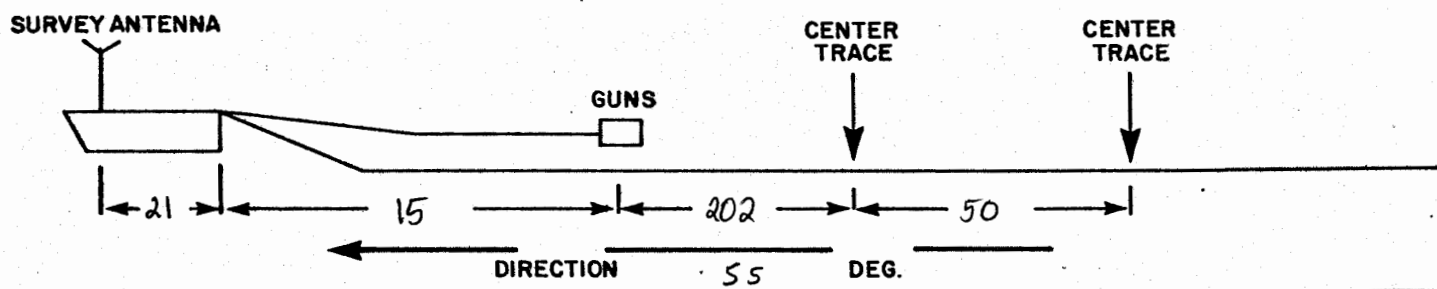
U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT



VESSEL GURE-85-6-11 SYSTEM TYPE DFS V DATE 13 OCT 1985
78 286

OFFSET 202 PRIME NAVIGATION Barry's INS
 LINE NO. 4 DIR. 55 DEG. CABLE TYPE SEI 24 channel
 PROSPECT _____ TRACE INT. 50 m
 LOCATION Gulf of Maine SHOT INT. 25 m
 SAMPLE RATE 4 MS. BPI 1600 WEATHER Medium
 RECORD LENGTH 5 SEC. OPERATOR _____



RECORD					REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE	
	LO/SLOPE	HI		LO	HI				
48dB	OUT	64	IFP	OUT	64	2	5	AGC	

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
2	30	286	4	55	1	448			1445	1618
1	31	286	4	55°	449	867			1619	1754
2	32	286	4	55°	868	1292			1754	1918
1	33	286	4	55°	1293	1714			1918	2040
2	34	286	4		1715	2136			2040	2155
1	35	286	4		2137	2554			2155	2315
2	36	286	4		2555	2907	lost 3 shots		2315	0034
1	37	287	4	blank tape start	2908	3387			0034	0151
2	38	287			3388	3634			0151	0236
1	39	287	5	35+90	1				0236	
No DEOF on reel 38.										

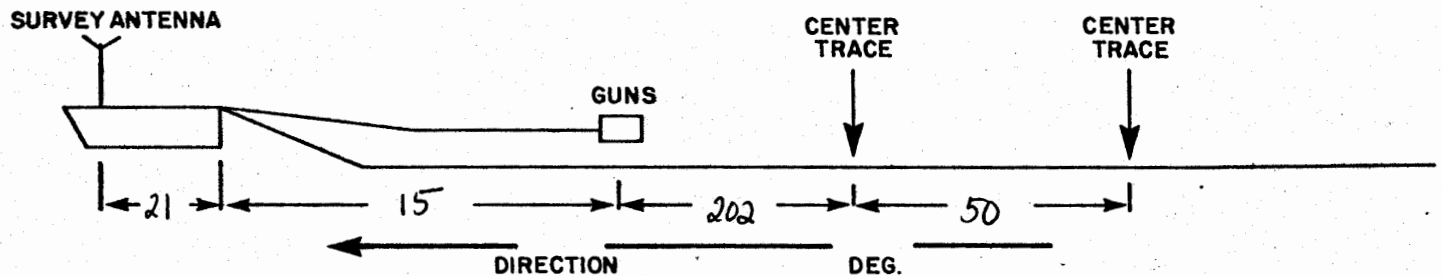
U.S. GEOLOGICAL SURVEY



OBSERVER'S DAILY REPORT

REEL 64RE SYSTEM TYPE DFS V DATE 14 Oct 1985
540 in³ x 2 AIRGUNS

OFFSET 202 m PRIME NAVIGATION Barry's INS
 LINE NO. #5 DIR. _____ DEG. CABLE TYPE SEI 24 channel
 PROSPECT _____ TRACE INT. 50 m
 LOCATION Gulf of Maine SHOT INT. 25 m
 SAMPLE RATE 4 MS. BPI 1600 WEATHER deteriorating
 RECORD LENGTH 5 SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI	IFP	LO	HI			
48dB	OUT	64	IFP	OUT	64	2	5	AGC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	39	387	005	145	1	418			0236	0349
2	40				419	842			0349	0511
1	41				843	1260			0511	0614
2	42				1261	1683			0614	0712
1	43		EOL5		1684	1931			0712	0801 0758

EOL

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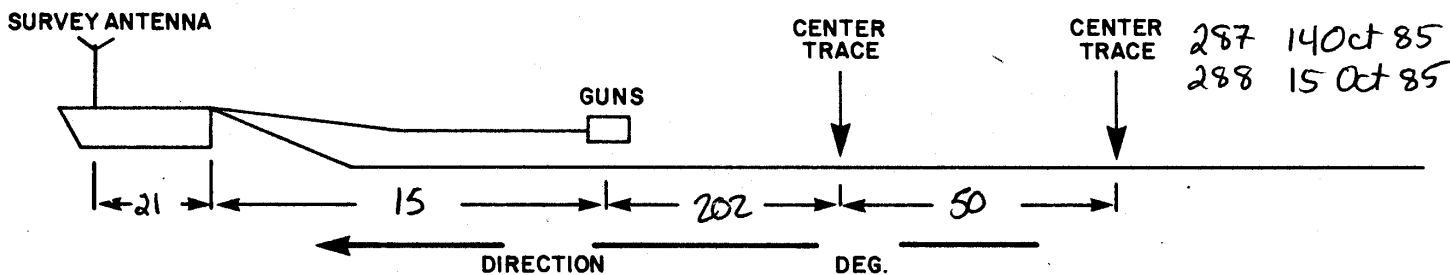
DFS V LOG



p. 1
Line 6

VESSEL GYRE CRUISE NO. 85-G-11 DATE Oct. 14, 1985

SHOT INTERVAL (DISTANCE) 25 m OR TIME _____ sec.
 OFFSET 202 m PRIME NAVIGATION Barry's INS
 LINENO. 6 DIR. 326 DEG. CABLE TYPE SEI 24 channel
 LOCATION Gulf of Maine TRACE INT. 50m
 SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT _____
 RECORD LENGTH 5 EXTENDED HEADER START WORD _____
 SOUND SOURCE 2-540 cu. in. @ 2000 psi @ 10 depth (m)



287 14 Oct 85
288 15 Oct 85

RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
48 dB	OUT	64	IFP	OUT	64	2	5	AGC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME		
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH	
2	1	44	287	6	326°	1	420			1656Z	1840Z
	2	45	287	6	326°	421	843			1840Z	2018
	1	46	287	6	327°	844	1260			2019	2142
	2	47	287	6	323	1261	1682			2142	2307
	1	48	287	6	324	1683	2097			2307	0019
	2	49	288	6	324	2098	2517			0019	0128
	1	50	288	6	324	2518	2931			0128	0236
	2	51	288	6	324	2932	3351			0236	0351
	1	52	288	6	324	3352	3766			0351	0519
	2	53	288	6	326	3766	4184			0519	0652
	1	54	288	6	325	4185	4599			0652	0817
	2	55	288	6	326	4500	5018			0817	0934
	1	56	288	6	320	5019	5433?			0934	1045
	2	57	288	6	320	5434?	5852			1045	1155
	1	58	288	6	326	5853	6267			1155	1305
	2	59	288	6	326	6268	6686			1305	1413

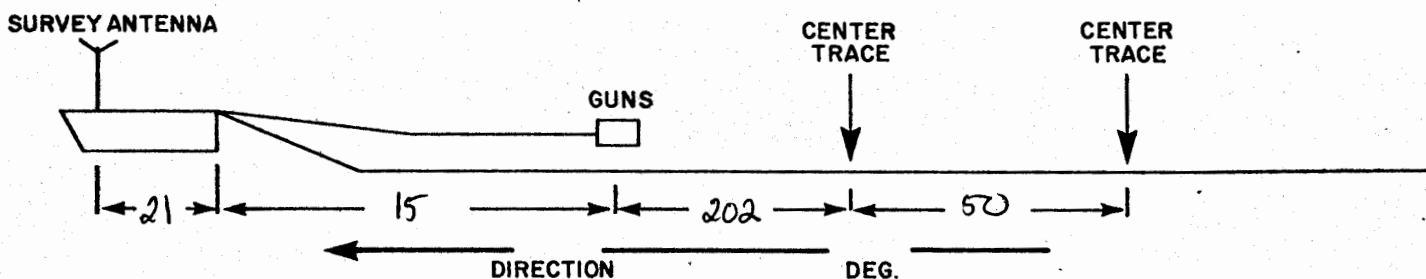
U.S. GEOLOGICAL SURVEY

OBSERVER'S DAILY REPORT



p. 2

VESSEL GYRE SYSTEM TYPE BFS V DATE 15 Oct 1985
 OFFSET 202m PRIME NAVIGATION Barrys INS
 LINE NO. 6 DIR. _____ DEG. CABLE TYPE SEI 24 channel
 PROSPECT Gulf of Maine TRACE INT. 50m
 LOCATION _____ SHOT INT. 25m
 SAMPLE RATE 4 MS. BPI 1600 WEATHER Calm
 RECORD LENGTH 5 SEC. OPERATOR _____



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
48dB	OUT	64	IFP	OUT	64	2	5	AGC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	60	288	6	320	6687	7101			1413	1522
2	61	288	6	320	7102	7522			1522	1638
1	62	288	6		7523	7939			1638	1800
2	63	288	6	320	7940	8364			1800z	1926
1	64	288	6		8365	8490			1926	1958
2	65	288			1	419			2003	2130
1	66				720	835			2120	2237
2	67				886	1257			2237	2358
					1258					

EOL 6

U.S. GEOLOGICAL SURVEY

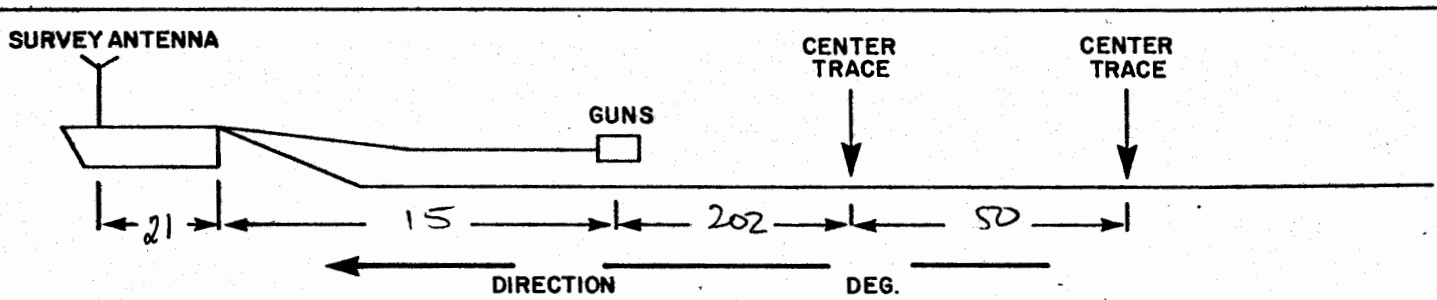
OBSERVER'S DAILY REPORT



p. 1.
line 7

VESSEL GYRE 85-G-11 SYSTEM TYPE DFS V DATE Oct 15, 1985

OFFSET 202m PRIME NAVIGATION DSS
 LINE NO. 7 DIR. _____ DEG. CABLE TYPE SEI 24chan,
 PROSPECT gulf of Maine TRACE INT. 50m
 LOCATION _____ SHOT INT. 25m.
 SAMPLE RATE 4 MS. BPI 1600 WEATHER somewhat rough - course
 RECORD LENGTH 5 SEC. OPERATOR starting at the trough,



RECORD				REPRODUCE				
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
out	64	IFP	out	64	2	5	AGC	

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
2	65	288	7	165	1	419	0	419	2003	2120
1	66	288	7	165	420	835	419	834	2120	2237
2	67	288	7	165	836	1257	835	1256	2237	2355
1	68	288	7	165	1258	1675	1257	1674	2355	0117
2	69	288	7	165	1676	1968	1675	1967	0117	0220
1	70	288	7	165	19169	2385			0220	0350 0352
2	71	288	7	165	2386	2809			0350	0503

U.S. GEOLOGICAL SURVEY

DFS V LOG

31



line 9
p.1

VESSEL BYKE CRUISE NO. BYKE 85-6-11 DATE Oct 31

SHOT INTERVAL (DISTANCE) 25m m OR TIME _____ sec.

OFFSET 15m m PRIME NAVIGATION INS

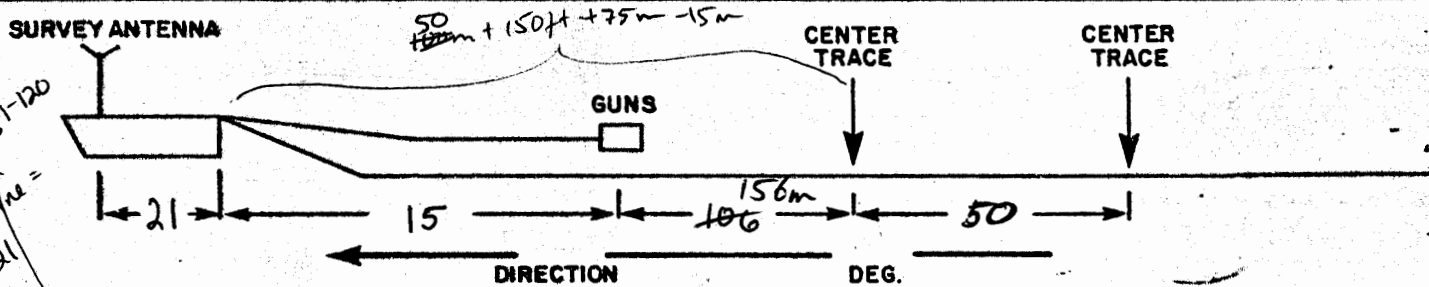
LINE NO. 9 DIR. _____ DEG. CABLE TYPE SEI 24channel

LOCATION off of 4 line TRACE INT. 50m

SAMPLE RATE 4 MS. BPI _____ SEG B FORMAT _____

RECORD LENGTH 5 EXTENDED HEADER START WORD _____

SOUND SOURCE 2x540 cu. in. @ 1700 psl @ 1700 depth (m)



RECORD

REPRODUCE

INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
	OUT	64	IFP	OUT	64	0	4	AGC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	76	Oct 31	9	331	418	418	1	298	0043	0132
2	77	Oct 31	9		419	838			0132	0250
1	78	Oct 31	9		839	1252	719	1132	0250	0415
2	79	Oct 31	9		1253	1676	1133	1556	0415	0537
1	80	Oct 31	9		1676	2092	Tape in line	1972	0537	0640
2	81	Oct 31	9		2093	2505	1973	2385	0640	0811
1	82	"	"	"	2516	2931	2386	2912	0811	0945
2	83	10/31	9	331	2932	3354	2913	3235	0945	1123
1	84	Oct 31	9		3355	3772	3236	3653	1123	1259
2	85	304	9	"	3773	4193	3654	4074	1259	1427
1	86	Oct 31	9		4194	4443	4175	4324	1427	1520
NO CHANGE IN OFFSET HERE										NO DEPT AT END OF file 4443
2	4444	Oct 31	9		4444	4967	4325	4745	1520	1655
1	88	304			4965	5277	4746	5158	1655	1820
2	89	Oct 31	9		5278	5700	5159	5581	1820	1935
1	90	"	"		5700	6115	5582	6096	1935	2050

U.S. GEOLOGICAL SURVEY

DFS V LOG

JD 304



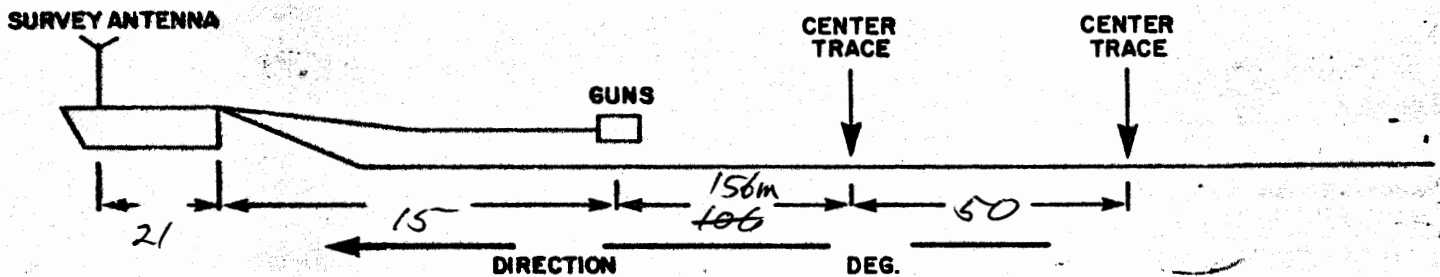
Line 9
p. 2

VESSEL GYRE

CRUISE NO. GYRE-85-G-11

DATE 85 OCT 31

SHOT INTERVAL (DISTANCE) 25M m OR TIME _____ sec.
 OFFSET _____ m PRIME NAVIGATION _____
 LINE NO. 9 DIR. _____ DEG. CABLE TYPE SEI 24 channel
 LOCATION Gulf of Maine TRACE INT. 50M
 SAMPLE RATE _____ MS. BPI _____ SEG B FORMAT _____
 RECORD LENGTH 5 EXTENDED HEADER START WORD _____
 SOUND SOURCE 2 X 540 cu. in. @ 1700 psi @ _____ depth (m)



RECORD

REPRODUCE

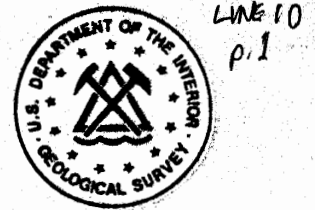
INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
	00X	64	IFP	00X	64	0	4	A&C

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
2	91	3/0ct	9	355	6116	6538	6097	6517	2058	2206
1	92	31/0ct	9	355	6537	6952	6418	6833	2206	2315
2	93	31/0ct	9	355	6953	7374	6834	7255	2315	0020
1	94	Nov 1	9	355	7375	7790	7256	7671	0020	0122
2	95	" "	"	355	7791	8211	7672	8092	0122	0230
1	96	305	0009	355	8212	8613	8094	8495	0230	0331

EOL 9

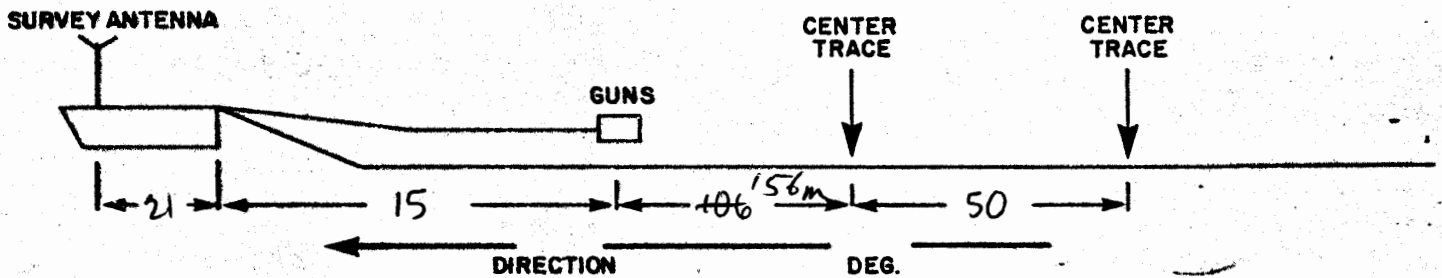
U.S. GEOLOGICAL SURVEY

DFS V LOG



VESSEL Gyre CRUISE NO. Gyre 05-G-11 DATE Nov 1

SHOT INTERVAL (DISTANCE) 25m m OR TIME _____ sec.
 OFFSET 106 m PRIME NAVIGATION INS.
 LINE NO. 10 DIR. _____ DEG. CABLE TYPE SEI 24 channel
 LOCATION Gulf of Maine TRACE INT. 50m.
 SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT YES
 RECORD LENGTH 5 EXTENDED HEADER START WORD N/A
 SOUND SOURCE 2x540 cu. in. @ 1700 psi @ _____ depth (m)



RECORD

REPRODUCE

INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
	OUT	64	IFP	OUT	64	0	4	46C

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
2	97	305	10	152	7	427	8	428	0334 Z	0441
1	98	"	"		428	841	429		0441	0545
2	99	"	"		842	81262			0547	0653
1	100	"	"		1263	1676			0653	0802
2	101	"	"		1677	2097			0802	0914
1	102	305	10		2098	2512			0914	1021
2	103	305	10		2513	2933			1021	1151
1	104	305	10		2934	3349			1152	1313
2	105	305	10		3350	3770			1313	1439
1	106	"	"		3770	4187			1439	1607
2	107	"	"		4188	4609			1607	1736
1	108	"	"		4610	5025			1736	1908
2	109				5025	5445			1908	2046
1	110				5446	5861			2046	2222
2	111	"	"		5862	6282			2222	0007
1	112	306	"		6283	6697			0007	0212

U.S. GEOLOGICAL SURVEY

DFS V LOG

Nov 2



Pg 1
line 11

VESSEL GYRE

CRUISE NO. GYRE 85-0-11

DATE Nov 2 1985

SHOT INTERVAL (DISTANCE) ~~25~~ 25 m OR TIME _____ sec.

OFFSET ~~100m~~ 106 m PRIME NAVIGATION Benny INS

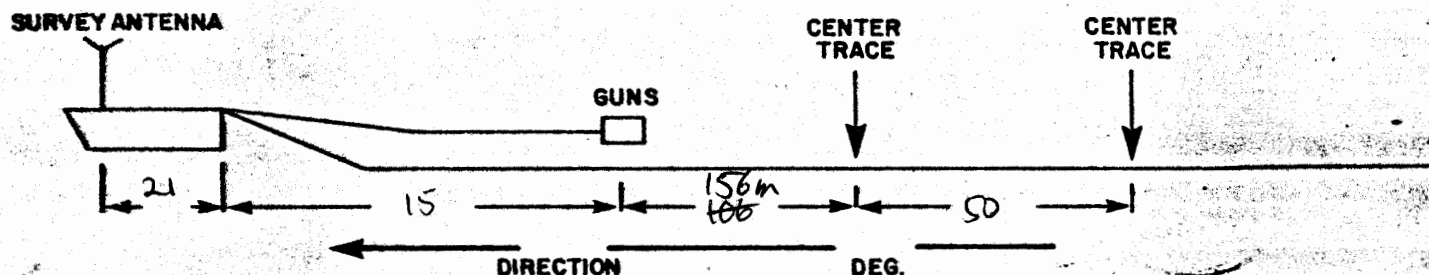
LINENO. 11 DIR. _____ DEG. CABLE TYPE SET 24 channel

LOCATION Gulf of Maine TRACE INT. 50m

SAMPLE RATE 1 MS. BPI 1650 SEG B FORMAT yes

RECORD LENGTH 4 sec / 8 sec. EXTENDED HEADER START WORD No

SOUND SOURCE 2x340 cu. in. @ ~~2000~~ 1700 psi @ 10 depth (m)



RECORD

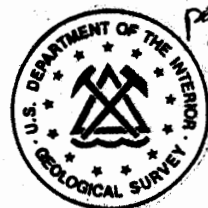
REPRODUCE

INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
	out	64	IFP	out	64	0	4.3	ABC

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	115	306	11		2	415			1209	1357
2	116	306	11	010°	416	828			1357	1606
1	117		11	010°	839	1254			1606	1803
2	118	306	11	010°	1255	1675			1803	2004
1	119	2 NOV 85	"	010°	1676	2019			2004	2142
2	120	11	11		2020	2293			2142	2252
1	121	85 NOV 02	11		2294	2564			2252	2353
2	122	85 NOV 02	310		2565	2838			2353	0101
1	123	85 NOV 03	11	051	2839	3109			0101	0204
2	124			051	3110	3383			0204	0306
1	125	307	0011	051	3384	3653			0306	0404
1	126	307	0011	051	3654	3928			0404	0514
1	127	307	11	051	3929	4198			0514	0635
2	128			051	4198	4472			0625	0735
1	129				4473	4744			0735	0856
2	130				4745	5018			0856	1019

U. S. GEOLOGICAL SURVEY

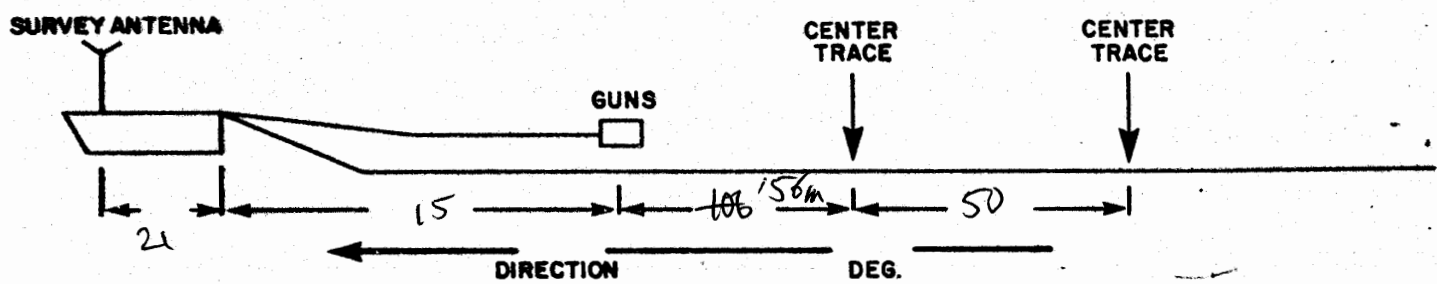
DFS V LOG



Pg 2
line 11

VESSEL GYRE CRUISE NO. GYRE-85-6-11 DATE 85 NOV 03
JD #307

SHOT INTERVAL (DISTANCE) 25m m OR TIME _____ sec.
 OFFSET 106m m PRIME NAVIGATION INS
 LINE NO. 11 DIR. _____ DEG. CABLE TYPE SEI 24 chan.
 LOCATION Gulf of Maine TRACE INT. 50m
 SAMPLE RATE 4 MS. BPI 1600 SEG B FORMAT yes
 RECORD LENGTH 8 sec. EXTENDED HEADER START WORD no
 SOUND SOURCE 2 x 540 cu. in. @ 1700 psl @ 10 depth (m)



RECORD

REPRODUCE

INPUT GAIN (500 OHM IMP)	FILTERS		MAN IFP	FILTERS		TRIP SENSE	INITIAL GAIN	MODE
	LO/SLOPE	HI		LO	HI			
	out	bt	IFP	out	bt	0	3	ABL

DECK NO.	REEL NO.	CONSTANTS			FILE NO.		SP NO.		TIME	
		DAY NO.	LINE NO.	DIR. DEG.	FROM	TO	FROM	TO	START	FINISH
1	131	307 ³⁰⁰	11	051	5019	5287			1020	1146
2	132	307	11	051	5288	5561			1146	1301
1	133	307	11	051	5562	5831			1301	1410
2	134	307	11	051	5832	6105			1410	1520
1	135	307	11	051	6106	6375			1520	1630
2	136	307	11	051	6376	6649			1630	1739
1	137	307	11	051	6650	6741		6730	1739	1800
		EOL								