80025gph

Gyre 80-9 & 9A
Geophysics Log Book
September 18, 1980 - October 14, 198

Chief Scientist
Pete Popenoe

GYRE 80-9, 9A
100767
80025

U.S.G.S.
GEOPHYSICS & Fish Flyer
LOG

SHIP Gyre 80 - Texas A&M

CRUISE NO. Gyre 80-9 + 9A

DATE 80 Sep 18 - 80 Oct 14

CHIEF SCIENTIST Pete Popenoe - S.A.H.

Pete Popenoe Chief Sci
Ken Parolski Tech
Al Goodman Tech
Wes Lombard Tech
Barry Irwin Nav Brat
Sally Wood-Needell Nav
Jim Dodd Nav
Bets Coward Annotator
Janet Burke Annotator - Curator
Kathy Cashman Annotator
Irv Bjorkheim Internation Submarine Tech.
Ivar Bitte Lamont
Dale Chayes Lamont
Ken Bayer U.S. G.S. Reston

Recorders - Prelim

✓ Raw Port S-S. 4 sec sw.
✓ Raw Stbd S.-S. 4 sec sw
✓ Ships 3.5 KHZ 4 sec sw
✓ Raw Port & Stbd 4 sec sw/side

✓ Processed Port & Stbd. 2.5 km/side Recorders A&B
Tape Monitor - Raw Port S.S Mainly 4 sec sw

S-S. Tapes

H/P 3968A Instrumentation Recorder
which allows for 8 channels of data

17/8 rec. speed. 1/4" 3600

Dr 1. Port Side Scan
Dr 2. STBD Side Scan
Dr 3. 4.5 KHZ Subbottom
Dr 4. FSK (Frequency Shift Key) - Telemetry Comptone
FM 5. Clock
FM 6. Master Trigger (from Sea-Mark)

SHIP/CRUISE NO./LEG Gyre 80-9

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	Ship SPD	Port & STBD RPM ~~NAVIGATION~~	Side-scan ~~SEISMIC SYSTEM~~
	1045 local	80 Sep 18				
	2200 local					
	0200 Z					
	2233					
	0715 Z	80 Sep 19				
1	2340					
	0000	80 09 20		1.9		
	0100	✓	182	1.5		
	0200	✓	181	2.2		
	0300	✓	179	2.1		
	0400	✓	190	2.2		
	0500	✓	196	2.0		
	0600	✓	208	1.8		
	0700	80 Sep 20	212	1.9		
	0800	✓	207	1.7		
~	0805	✓				Start R Corr Port & Stb & Raw port & Stbd rec.
	0850	✓				
	0901	✓				3.5 / 4.5 recorder
	0905	✓				
1	0930	✓				~~4.1~~
	1000	✓	254	2.0		
	1010					3.5
	1030			3.0		
2	1035					
	1100	✓	309	2.4		
	1200					
	1206					

(1)

AREA

TIME ZONE Zulu (EDT + 04)

SWP	~~PROGRAM / SCALE~~ Wind head/spd	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
			TEST		7/0 Maggie	Depart Little Creek VA
						Arr. Lease Block
						began deploying Fish
						Fish in Water
						Receiving No Data
						Equip down
						Bring Fish up
						Deploying gear
			~~1~~			begin tape
	210°/5					KEN BAYER (F.F.)
	215°/5					
	215°/5					
	215°/5					
	210/10					AL GOODMAN (F.F.)
	210/4					
	210/8		~~2-0621Z~~ 1-0609Z			
	210/9					
	215/0					O. BJORKHEIM
orders						computer crash - Help Dale
						1/2hr time marks missed
						OK now
						down to chg belt
						back on
						E.O.L. 1 begin slow turn
	210/8					
						chg Pulse Length to .5ms From .2ms
						asked Bridge to slow down
	210/2					
						KEN BAYER.
						10 MS DELAY.

SHIP/CRUISE NO./LEG Gyre 80-9
CHIEF SCIENTIST Pete Popovich

LINE START / END	TIME	YYMMDD	CRS/HDG	Ship SPD	NAVIGATION	Side Scan ~~SEISMIC SYSTEM~~
2	1208	80 Sep 20	340			A/c to 340°
	1238	✓				3.5
	1235	✓				
	1239	✓				
	1250	✓				
	1252	✓				3.5
	1254	✓				
	1300	✓	010	2.7		
	1308	✓		✓		
	1313	✓	012	✓		
	1400	✓	017	2.7		
	1415	✓	017	✓		
	1423	✓	040	✓		
	1502	✓	060	2.6		
	1513	✓	062	2.4		
	1522	✓	062	2.4		
	1534	✓	060	✓		
	1548	✓	060	2.8		
2	1557					
	1600		160°	3.3		
3	1621					
	1700		210°	2.3		
	1800		200°	1.9		
3	1900		200°	1.7		
1933 4	2000		215°	1.7		
	2100		220°	1.9		
4	2300					All Tape
	↓					

AREA

TIME ZONE Zulu (EDT +04)

SWP	wind heading/speed ~~PROGRAM/SCALE~~	FILTER HI/LO	TAPE NO. START/END	DATA ROLL# START/END	MAGNETICS	COMMENTS
			2			
						change to 1 sec sw
						up on shelf - no records
			2			
			3			TAPE CHANGE
						back on 4 sec sw.
						CHANGE COURSE TO 015°
	208°/9					FISH AT WATER SURFACE.
						DEPLOYING FISH
						OPERATING FISH FROM LAB.
	200°/9					
	✓ ✓					A/C TO 040.
	✓ ✓					✓ ✓ 060.
	310°/6					1/2 SEC DELAY AT 1502 Z
	330°/7					3.5 OFF CHECKING.
	330°/8					3.5 ON.
	330°/7					1 SEC. DELAY ON 3.5 KHZ
	330°/9					1.5 SEC. DELAY ON 3.5 KHZ.
	15					END LINE 2
	240/0 KTS					
						START LINE 3
	140/4 KTS					
	300/0 KTS					
	270/2 KTS		4 1921 Z / 3 1913 Z			Tape Chg
	315/0					Start line 4
	240/0					
						Side-Scan Down
						Shut off
						Pull in Gear
						Heading Towards
						New Survey area
						~ 12 hrs away

SHIP/CRUISE NO./LEG Gyre 80-9
CHIEF SCIENTIST Pete Popenoe

LINE START / END	GMT TIME	YYMMDD	CRS/HDG	Ship SPD	SHAFT RPM ~~NAVIGATION~~	Side-Scan ~~SEISMIC SYSTEM~~
5	0045	800922		1.8		
	0117					
					550R 550S	
	0135	800922	/330	2.9		
	0159	✓	19°/330°	3.3		
	0215	✓	✓	3.7		
	0228	✓	✓	3.9		
	0240	✓	32°/10°	2.7		
	0250	✓	39°/10°	2.2		
	0258	✓	33°/355°	2.9		
	0301	✓	✓	✓		
	0312	✓	29/350	3.4		
	0315	✓				3.5
	0329	✓	33/345	3.1		
	0330	✓	32/345	3.0		
	0400	22 SEPT 80	12°/345	3.5		
	0412	"	29/10	2.6		
	0500	"				
	0600	"	14°/29°	4.4		
	0700	"	25/26	3.8		
	0800	"	14/27	4.3		
	0900	"	16/16	3.6		
	0950					Tape Monitor
	1010	"	30/36	3.8		
	1100	"	29/45	4.1		
	1119	"				4.5 KHZ PSN OVD
	1200	"	29/44	3.7		
	1300	"	27/30	3.6		
	1335	"	17/20	4.2		
	1340	"	17/30	4.1		
	1400	"	25/30	3.8		

AREA

TIME ZONE ~~Zulu~~ (EDT +04)

SWP	~~PROGRAM / SCALE~~ Windhdg / Speed	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
			5 ~0045			BOL 5. ~~1 Sec. SWP.~~ 1 Sec. DELAY - New Tape
	GREAT VARIATION ?					2 SEC SWP FOR FISH.
						KEN BAYER (F.F.)
						1 SEC SWP ON BASE B (FISH)
						300 M. OFF BOTTOM.
						CHANGING FISH ELEV. TO 200M.
						FISH (SSS) AT 200 M.
						REDUCE SHIP SPEED 1 KNOT.
						CHANGE SPEED.
						C/C TO 350°.
						START FISH FROM 200 TO 350 ELEV
						C/C TO 350°.
						increase pulse fr. 0.2 - 0.5 ms
						C/C TO 340°.
						WILL CONTINUE ELEV. INCREASE.
						STARTED LOWERING FISH DOWN
						TO 300m.
			10-0739Z			FLYING FISH AT APPROX 300M
			5-0731Z			Chg tape
						chg belt
						Altitude appx 335 m
	EAST / N.A.					KEN BAYER. (F.E.)
	EAST / ?					NOT AN ALVIN OBJECTIVE.
	SOUTH / ?					PAPER MARK.
	" / ✓		10-1357			C/C TO 030°. Chg tape
	N.W. / ?		7-1406			

SHIP/CRUISE NO./LEG R/V Gyre 80-9

CHIEF SCIENTIST P.P.

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	Side-Scan ~~SEISMIC SYSTEM~~
5	1500	800922	28°/37°	4.1		
	1518	✓	✓	✓		
	1600	✓	26°/37°	4.5		
	1605					
	1615					
5	1616	END LINE 5				
6	1700	22 SEPT 80	TURNING	2.0		
	1726	START LINE 6				
	1753	STYLUS BELT BROKE - REPLACED				
	1800	22 SEPT 80	197°/200°	1.5		
	1900	"	198°/200°	1.2		
	2000	"	203/199	1.4		
	2100	"	229/210	1.4		
	2140	"				
	2150	"				
	2200	"	212/200	1.0		
	2208					Slant Range Corr PT & STBD S-S
	2215	"				
	2229					Slant Range Corr PT & STBD S-S
	2300	"	190/196	1.6		
	2358	"				
	0000	800923	158/185	2.8		
	0100	✓	165/195	1.0		
	0150	✓	188/195	1.0		
	0200	✓	149/192	1.2		
	0335		160/197	0.9		
	0400		180/200	1.2		
	0500		173/200	1.5		
	0600	✓	215/220	.9		
	0700		199/220	1.2		
	0800	23 SEPT 80	208/220	1.0		
	0900					
	0906					

AREA CAPE FEAR (SLOPE)
TIME ZONE GMT (EDT + 4 HI'S)

SWP	WIND HDG/SPEED ~~PROGRAM / SCALE~~	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	NORTH / NA		7			
	N40°E / ✓					RED (PAPER) MARK STOPPED.
	060° 0 KTS.					
						LOWERED FISH TO 300M
						STARTED FISH CLIMBING AT
						15 M PER MIN DUE TO TURN IN
						GULF STREAM
	000 / 4 KTS					
	030° / 3 KTS					
	030 / 7 KTS		8-2028 / 7-2020			Chg tape
	0/0 / 8 KTS					
						STARTS LOWERING "FISH".
						200 m off bottom
	0/0 / 10 KTS					FISH CLIMBING FROM 180 m
2.5	Recorder B					Chg belt
						FISH BACK TO APPX 300 m
2.5	Recorder A					Chg paper & BELT
	0/0 / 15 KTS					
	20°NE / 12					1.5 SEC. DELAY ON THE 3.5 KHZ
	20°NE / 11					KEH BAYER. (F.F.)
	NORTH / 12					
	✓ / 15					2 SEC'S DELAY ON 3.5 KHZ
	N10°E / 14		9-0240 / 8-0237			Chg tape
	N20°E / 13					2 1/2 SEC. DELAY ON 3.5 KHZ
	NORTH / 17					
	" / 12					
	" / 12					
	" / 10					
	" / 12 KTS					
			9			End Tape

SHIP/CRUISE NO./LEG Gyre 80-9
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	Ship SPD	NAVIGATION	Side-Scan ~~SEISMIC SYSTEM~~
6	0913	80 Sep 23				
	1000	"	249°	1.2		
	1040	"	180			
	1100	"	210	1.2		
6	1200	"	190/212	1.1		
	1300	"	174/208	1.3		
	1400	"	180/208	1.4		
	1500	"	181/208	1.5		
	1532	"				
	1541	"				
	1600	"	195/205	1.2		
	1700	"	182/205	1.7		
	1800	"	172/195	1.9		
	1900	"	180/205	1.1		
	2000	"	194/210	1.1		
	2055					[illegible] PT & SIED S-S
	2209					
	2218					
	2225		180/215			
	2030					
	2300	[illegible]	240/240	1.2		
	2326					
6	0000	80 0924	175/208	1.1		
	0100	✓	209/210	0.8		
	0113	✓	184/212	1.0		
	0200	✓	205/211	0.8		
	0300	✓	199/213	0.8		
	0312	✓	197/210	0.7		
	0327	✓	183/207	0.9		
	0353	✓				
	0400	24 SEPT 80	162/212	1.7		
	0500	"	243/218	.5		
	0600	"	182/210	1.1		

AREA Cape Feat Slope
TIME ZONE Zulu (EDT +04)

SWP	Wind HDG / SPD ~~PROGRAM / SCALE~~	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			10			begin Tape
						W 10KNT wind
						C/C 180°
	N30°E / 13					KEN BAYER (F.F.)
	✓ ✓					NO DATA — NO COMMENTS.
	✓ 8					
	✓ ✓					
			10 / 11			TAPE CHANGE
	015° / 9 KTS.					
	015° / 10 KTS					
	030° / 11 KTS					
	000 / 15 KTS					
4/SCALE	N / 20 KTS					chg belt & Gain
			11 / 12			chg tape
						↓
						C/C 220°
						C/C 2300
						C/C 20° LMT 215°
	15° 11 Kts					KEN BAYER. (F.F.)
	15° 13 Kts					
	15° 10 ✓					PAPER MARK, START
	15° 11 ✓					
	15° 12 ✓					
	15° 11 ✓					END OF ROLL ON 3.5/4.5 KHz
	15° 12 ✓					NEW ROLL ON 3.5/4.5 KHz
						BELT MALFUNCTION.
	15° 12 KTS		13-0450 / 12-0441			REPLACED STYLUS BELT
	15° 11 KTS					
	10° 10 KTS					

SHIP/CRUISE NO. / LEG Gyre 80-9

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SHIPS SPD	NAVIGATION	SIDE SCAN ~~SETSMIC SYSTEM~~
6	0700	24 SEPT 80	176°/210°	2.2		
	0813		120/093	3.8		
	0728					
6 / 7-0830	0840			4		
	0850					
	0905					J Burke
	1040				okay	
7	12.00	800924	31/34N	2.7	NOTE: CHECK TIME PRIOR TO 12:15	
	1245	✓	47/355	2.0		
	1400	✓	51/00°	2.1		
	1402	✓	✓ ✓	✓		
	1402	✓				
	1430	✓	53/00°	2.0		
	1435	✓				
	1437	✓				
	1438	✓				
	1445	✓	40/00	2.2		

AREA Cape Fear Slope
TIME ZONE Zulu (EDT +04)

SWP	WIND-HDG-SPD ~~PROGRAM / SCALE~~	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	15° / 13 KTS		13			
						CHG COURSE 30° LAST
						E.O.L. Start turn
						Slowdown - haven't
						found Fish Yet
						Or Yet
						C/C 350° - No Steerage
			14-1047 / 13-1040			
	240° / NA					KEN BAYER (F.F.)
	✓ 3.0					DELAY INCREASED TO 3.5 sec's
	250° / —					
	✓ /					TRYING 4 sec's DELAY ON 3.5
						I HAVE NO IDEA OF H_2O DEPTH!!
						EOL 7 & THIS LEG
						DELAY (ON 3.5 KHZ) TO 3.5 sec's
						STARTED IN WITH CABLE
			14-1445			EOL-7 ACCORDING TO KATHY
						HEAD FOR NORFOLK

Skip page

SHIP/CRUISE NO. /LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM

80 SEP 26 – 80 OCT 14

GYTE 80-9A

Pete Popenoe

Single-Channel Seismics

Pete Popenoe	Chief Sci
Ken Parolski	Tech
Al Goodman	Tech
Dave Mason	Tech
Wes Lombard	WSTDR
Bets Coward	" "
Ray Hall	" "
Janet Burke	" " Curator
Bob Commeau	" "
Kathy Cashman	" "
Sally Wood-Needel	Nav
Tim Dodd	Nav
Barry Irwin	Nav

Using
Minisparker
40 in³ Airgun & 5 in³ Airgun
3.5 KHZ Hull Mounted Transducer

Honeywell 5600C Tape Recorder 15/16 rec spd
Preliminary Channel Contents 1/2" 3600 Tape

Dr 1. Clock
Dr 2 Sparker Sig
Dr 3 Sparker Trig
Dr 4. 200 Element Streamer
Fm 5 5 min Auto Event Mark
Fm 6. Airgun Sig
Fm 7 Airgun Trig

SHIP/CRUISE NO./LEG Clyde 80-9A

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	1600	80 Sep 26				
		80 Sep 27				40 in³ Receiver A
						" " B
						" " C
						3.5 KHz
						Hydrophones
1	0115	80 Sept 27				all systems
	1000			5.2		
	1012					40 in³ Rec. A
	1014					
	1017					
	1018					
	1029					Sparker
	1045					
	1050					
	1245					all systems
	1254					
~	1215-1220					1 sec airgun
	1701-1702					Sparker
	1729-32					Sparker
	1733-1740					"
	2000					40 in³ A
						Sparker
						40 in³ B & C
	2052					Sparker
2	2232					Sparkers
	2236					5 in³ Air Gun

C1

AREA

TIME ZONE Zulu (EDT +04

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
						left Pier 58 Norfolk
1	0-1SEC			1		Streaming gear
2	0-2SEC			1		
4	0-4SEC			1		
1	R-Edge 0-1S			1		
1	R-E 0-1S					
			SA-1			B.O.L. 1 tape started
						Little Rocky
						down For new belt
						backup-didn't chg yet
						down For Belt
						backup
						Sparker Down-Clip Tips
						back ON
						sync clock
			SA-2 SA1			Change tape
						recorder problem
						Sparker down to clip
						tips + change belt
						Sparker down firing
						air gun
		120/50				Filter settings that were
		3000/250				set before we came on
		160/30				
						Move electrodes closer
						MINISPARKER-TURNED OFF
1	R-Edge 0-1	Figuring Filter setting				5 in³ AIRGUN ON
						Noise on 40 in³ recorders
						due to 5 in³ Filtering
						not mixing-working
						on it

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
1	0005	80 Sep 28				All systems
2/1	0016					All [illegible]
	0102					JAPE
	0106					
	0120					
	0220					[illegible]
	~0245					[illegible] (40 in^3)
	0442					ALL
	0442-0444					Sparker/inc. 5 in^3
3/2	0457					ALL
	0638-0645Z					Sparker
	0645	-0705Z				AIRGUN
	1104					Sparker
	1122					Sparker
	1125					"
	1128					"
	1130					
	1135					3.5
	1142					Airgun 40 in B&C
	1144					3.5
						Sparker
	1207					3.5
	1207					Sparker
	1211					Sparker
	1217					3.5
	1217					Sparker

(2

AREA

TIME ZONE Zulu (EDT + 04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			2			end of line 1
						beginning line 2
			2			change
			3			tape
						Sparker [illegible] -5 in³ OFF-
						Change [illegible]
						End Line 2
				2/1		New Paper
						START Line 3
						Sparker down to Cliptips
						Airgun being triggered
						by Sparker-Al
						fixing
						Sea State - fairly calm
						Sparker OFF - Tips Clipped
						Let out Further
		3000/300				Sparker ON
						Sparker OFF - Belt Change
						Sparker ON
						Let out Streamer
1	R-E 0-1					Lousy - turn gain up
						Okay
		200/70				Chg filter
1	TR 1/2 .5-1.5					Chg prog
	TR 1/2 .5-1.5					
	TR edge 1-2					change prog
	TR edge 1-2					
					*	disconnected to pull in 5 in³ Gun. We were not using the 5 in³
	TGR 1/2 1.5-2.5					change
	TGR 1/2 1.5-2.5					prog

SHIP/CRUISE NO. / LEG GYTE 80-9A

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
3	1219	80Sep28				airgun 40in³
	1240					3.5
	1240					sparker
	1243					sparker
	1245					3.5
	1329					3.5
	1332					
	1335					
	1340					3.5
	1522					3.5
	1527					"
	1621	80 SEPT 28			All Geophysical Systems Down	
	1730					SPARKER / 40in³
	1800				Recorder B	40 in³ Airgun
	1920					3.5
	1930					↓
	2000					3.5 KHZ
						↓
	2000					Sparker
	↓					40in³ Gun (B)
	↓					↓ (A)
3	2013					Another 40in³ - Now 2x40in³
3A	2016					
	2210					SPARKER
	2220					"
3A	2316					All
4	2325					↓
	2330					40in REC. A

AREA
TIME ZONE Zulu (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
4			3			All Recorders.
	TGR edge 2-3					chang prog.
	TGR edge 2.0-3.0					shut off temporarily
	TR 1/2 2.5-3.5					change prog
						belt change
			3 / 4			Tape change
	TR edge 3.0-4.0					change scale
				1 / 2		change paper
	FOR REPAIR					
					✓	UP AGAIN
2					✓	On & recieving Data
					✓	On & recieving Data
1/2	TGR-C 3.75-4.25					
↓	TGR-E 4-4.5					c/prog
1	TRTGR. 1/2 3.5-4.5	3000/300				prog Status
2	TGR 1/4 3.5-5.5	200/80				↓
					(since 1621)	Still down — Ken &
						All are workin on it
						E.O.L. 3 - Put in 2nd 40 m³ Gun
						B.O.L. 3A
						SPARKER OFF-TIP CLIP
						SPARKER ON
						E.O.L. 3A
						B.O.L. 4
						Still being worked on

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START/END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
4	0100Z	80 Sep 24				3.5
	0101Z					Sparker
	0141					TAPE
	0144					
	0251					sparker
	0300					
	0355-0358					40 in³ AIRGUN (B)
	0402					3.5 KHz
	0435Z					40 in AIRGUN
	0438Z					Sparker
	0442					3.5
	0747-0750					40 in³ Airgun (B)
	0812Z					3.5
	0912					Sparker
	0931					
	0935					
	1047					3.5
	1052					
	1120					
						Sparker
	1135					3.5
	1152					
	1210					40 in³ Airgun
	1240					
	1242					airgun 40 in³
	1242					sparker
	1242					3.5
	1249					airgun 40 in³
	1301					airgun 40 in³
	1326					3.5
	1331					3.5
	1343					3.5
	1355					sparker

C4

AREA

TIME ZONE Zulu (EDT TO 4

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TGR 1/2 3.75-4.25		3			change scale
	TGGR 1/2 3.5-4.5					" "
			~~5~~ 4			Tape
						change
						down for
						tip clip
						down for belt change
	TR edge (3.5-4.0)					c/scale
	TGR 3/4 (2.5-5.5 sec)					c/scale
	TR edge (3.0-4.0 sec)					c/scale
	TR ctr (3.25-3.75s)					c/scale
						down for belt change
	TRTRG edge (3.0-3.5sec)					c/scale
						Down For Tip Clip & Belt chg
						Back Up
						sync clock
						Belt chg (Down)
						Back Up
1	TR 1/2 2.5-3.5					chg scale
1/2	TRTRG-C 2.75-3.25					↓
						sync clock
1/2	TR-E 2.5-3.0					c/s
						put out SEI str
	TR 1/4 1.5-3.5					c/s
	TGR edge 2.0-3.0					c/s
	TRTGR edge 2.0-2.5					c/s
						SEI streamer put on air gun
	TR edge 2.0-4.0					c/s
	TR edge 2.5-3.0					c/s
	TR 1/2 2.25-3.75					c/s
	TRTGR 2.0-2.5					c/s
	TGR 1/2 1.5-2.5					c/s

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
4	1356	80sept29				3.5
	1400					
	1403					
	1405					3.5
	1411					sparker off
	1423					sparker on
	1430					3.5
	1449					3.5
	1500					airgun
	1501					sparker
	1501					3.5
	1521					3.5
	1531					airgun
	1531					sparker
	1531					3.5
	1552					3.5
	1607					3.5
	1607					SPARKER
	1607					airgun
	1632					3.5
	1632					SPARKER
	1727					AIRGUN
	1820					SPARKER OFF
	1833					5 in³ Airgun 200E.S.
	1930					3.5KHZ

AREA
TIME ZONE Zulu (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TRTGR 1/2 1.75-2.25					
			5			Tape change
			6			
	TRTGR edge	2.0-2.5				
						Tip clip
						sea state noise - destroying
	TR edge 1.5-2.5					c/s 3s
	TR 1/2 1.0-3.0					c/s
	TR edge 1.0-2.0					c/s
	TR 1/2 1.25-1.75					c/s
	TGR edge 1.0-1.5					c/s
	TR 1/4 .5-2.5					c/s
	TR 1/2 .5-1.5					c/s
	TGR 1/2 .75-1.25					c/s
	TR edge .5-1.0					c/s
	TR CTR .25-.75 sec					c/s
	TR 3/4 .25-1.25 sec					c/s
	R edge	0-2.0 sec				c/s
	R edge	0-0.5				c/s
	R edge	0-0.0				c/s
						1-40 in³ Gun Out — 140 in³ In
1 sec	R edge	200-2000				5 in³ In Rec. Data
						Lousy record - Ken - Al
						working on it - Also
						have been getting
						double time marks every
						now & again
				*	→	Due to switching on-off-on & off
						Sea State has
						calmed - somewhat

SHIP/CRUISE NO./LEG Gyre 80-9A

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
4	0049	80 Sep 30				airgun
HA 4	0106					all systems
	0218					"
	0222					
	0347					"
5 4A	0428					"
	0428					3.5 KHZ
	0535-0539					"
	0701-0703					40 in³ Airgun
	1118					3.5 KHZ
	1143					
	1152					5 in
	1153					3.5
	1200					airgun
	1200					5 in
	1208					all systems
	1210					3.5
	1221					airgun
	1221					5 in
	1222					3.5
	1242					airgun
	1306					(sparker)
	1308					3.5
	1400					

6

AREA

TIME ZONE Zulu (EDT +04

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
		200/80	6			change filter
						E.O.L 4 ; B.O.L 4A
			6			Tape
			7			change
						A/c to 047
						EOL 4A BOL 5
						down for paper change
						" " belt change
						down for belt change
						Sea State is very
						shaky & other
						than that —
						All is well (w/ the
						exception of 3.5KHz
						- lousy record
1/2	TR-C .250-.750					c/s
1/2	TR-E .5-1-					c/s
	TR 1/4 .375-.875					I lost the 3.5
	TR-C .250-.750					c/s
	TR-3/4 .125-.625					c/s still gone
1	TR-E 1-2.0 S					c/s
1/2	TR-E 1.5-2.0					c/s
	TR 1/2 1.0-3.0					c/s
	TGR 1/2 1.5-2.5					c/s
						A/c to 097
	TRTGR 1/2 1.75-2.25					c/s
	TR 1/4 1.5-3.5					c/s
	TGR edge 2.0-3.0					c/s
	TRTGR edge 2.0-2.5					c/s
	TR edge 2.0-3.0					c/s
	TR 1/2 2.5-3.5					c/s
	TR edge 2.5-3.0					c/s
						200 element streamer pulled

both airguns working off SEI streamer

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
5	1432	80Sept30				3.5
	1433					Tape
	1436					
	1443					5in - Last Record
	1458				40+5in3 →	airgun - No. 1 40+5
	1521					5in3
	1603					3.5
	1635					40in3 On - Temp
	1055					5in3 OFF - Temp
	1706					3.5
	1719					AIRGUNS (40in + 5in)
5A / 5	1810					ALL
	1822-1855Z					3.5
	1902					3.5
5A / 6	2018					All
	2026					All
	2121					3.5 - RH2
~	2220					↓
~	2225					↓
	2300					↓
	2302					40 + 5in3
						All
	2353					3.5
	0036	80Oct1				3.5
	0110					3.5
	0207					airgun (40+5)
	0210					3.5
	0240					3.5
	0248					TAPE
	0252					

*

(7

AREA

TIME ZONE Zulu (EDT +04

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	TRTRG edge 3.0-3.5					c/s
			7			change
			8			tape
	TR edge 3.0-4.0					c/s
	TGR 1/2 3.0-5.0					c/s, 5in3 Airgun rec. w/ 40in3
				re-wired shackles		shut off recorder
	TR CTR 3.25-3.75			(3) springs		c/s
	Mason pulled 5in3 - checked & Back in					took only a min.
	" " 40in3 "					"
	TR EDGE (3.5-4.0s)					c/s
	TGR 1/4 (3.5-5.5s)					c/s
						Rough weather still bad 3.5kHz
						END LINE 5 / SOL 5A
						Ken trying to get better 3.5kHz
	TGR CTR (3.75-4.25					c/s
						E.O.L 5A
						B.O.L 6
1/2	TGR-3/4 ~~3.125-3.625~~		3.624-4.125			c/s
1/2	TRTRG-1/4 ~~2.875-3.875~~					↓
1/2	TR-E ~~2.5-3.0~~		3.5-4.0			↓
1/2	TR-C ~~2.25-2.75~~		3.25-3.75			↓
2	TGR ~~3/4~~ 2.5-4.5 ?					c/s
						Sea State - Rough
	TRTRG 3.0-3.5					Winds - 20-30 Knots
1/2	~~TRTGR E 2-2.5~~					c/s
	TRTRG center 2.75-3.25					c/s
	TR edge 2.5-3.0					c/s
	TR edge 2.0-4.0					c/s
	TR center 2.25-2.75					c/s
	TRTGR edge 2.0-2.5					c/s
				8		change
				9		tape

SHIP/CRUISE NO./LEG GITE 80-A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
6	0316	800ct1				3.5
	0317					airguns
	0422					3.5
	0431					3.5
	0431					airguns
	0445					3.5
	0511					3.5
	0511					airguns
	0513					3.5
	0523					"
	0520					airgun
	0529					3.5
	0539					40 in3
	0550					5 in3
	06002					
	0804					5 in3 Airgun
	0830					
	0840					S.E.I Str.
	0847					Mag. Tape
	0903					5 in3 Airgun
	↓					3.5KHZ
	0915					Compressor
	↓					40 in3 gun
6	0905					Line 6 Discontinued
	0928-0937					3.5KHZ
	0930					↓
	1350					Mag. tape

AREA
TIME ZONE Zulu (EDT +4)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TRTGR center	1.75-2.25				c/s
	TR 1/4	1.5-3.5				c/s
	TR EDGE	1.5-2.0				c/s
	TR CTR	1.25-1.75				c/s
	TR CTR	1.0-3.0				c/s
	TGR EDGE	1.0-1.5				c/s
	TGR CTR	.75-1.25				c/s
	TR 3/4	.5-2.5				c/s
						down for belt change,
	TR CENT	.125-.75				BACK UP, c/s
	R EDGE	0-2.0				c/s
	R EDGE	0-0.5 s				c/s
						OFF
T						ISCC SWP on Rec #2
E	FRANK SMITH ASKS US TO TIE THINGS DOWN - MORE ROUGH WEATHER AHEAD,					
	BAROMETER AT ALL TIME LOW FOR GYRE with SE at 25 KTS					
						Lost Record
						Pulled in
			8 →		*	Tape, shut off
			pulled in--			leaking air - (2) Springs
						Still going - but weak
						COMPRESSOR OFF
						40 in³ GUN out of WATER
						Line 6 Discontinued
						to haul in GEAR
						chg belt & paper
						sync clock
						circling to stay in
			--8OH--			general area...
						Tape back on - 5in³
						airgun in and running

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popeloe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	1350	80 Oct 1				
*	1440	→				all systems
	1445					5 in³ (1 SEC SWEEP)
	1616					5 in³ "
	1633					5 in³ "
	1644					5 in³ 1 sec swp
	1703					5 in³ 1 sec swp
	1700					5 in³ 1 sec swp
6A / 6	1929					ACC
	2023					Tape
	2031					
	2145-2212					3.5KHZ
	[illegible]					
6 / 7	2243					All
	2249					
	0542	80 OCT 2				3.5
	0544					3.5
	0714					3.5
	0726					3.5
	0736					5 in³ [illegible]
	0740					3.5
	0754					3.5
	0757					3.5
	0738					5 in³, 1 sec sweep
	0805					5 in³
	0814					Now 5 & 40 in³
	0823					3.5
	0835Z					↓
	0904					Tape
	0918					
	0902					3.5KHZ

AREA
TIME ZONE Julian (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			8			SEI streamer in
	→					back on line 6
						CHG FILTER LO -2 HHZ
		120-1000				CHG FILTER 120-1000
						RECORDER OFF
						BACK UP
		100-2000 Hz				c/filter
		70-200				Recorder #1 in op. now too.
	END LINE 6, START 6A					
			8 2023 / 10 2031			Tape chg
						Paper Not Advancing
						OKAY Now
						E.O.L 6A
						G.O.L 7
						down for belt change
						back up
	TR CTR	0.25-0.75sec				c/s
	TR EDGE	0.5-1.0 sec				c/s
	TR [illegible]	0.5-2.5sec				c/s
	TGR ctr	.75-1.25sec				c/s
	TGR edge	1.0-1.5				c/s
	TR edge	1.25-1.75				c/s
						both recorders off
	TR 1/2	1.0-3.0sec				c/s
	~~[illegible]~~					In & rec. Data
	TR-E 1.5-2.0					c/s
	TRTGR-C 1.75-2.25					c/s
						Seas have calmed considerably
			10 / 11			Tape chg
	TRTGR-E 2-2.5					c/s

SHIP/CRUISE NO. / LEG Cure 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
7	0920	80 Oct 2				5 & 40
	0930					3.5KHZ
	1058					↓
	1156					5 + 40
	1207					3.5
	1250					3.5
	1251					5+40
	1338					3.5
	1433					3.5
	1434					5+40 in³ airgun
7/7A	1523					All systems
	1528					3.5
8/7A	1804					All systems
	1808					3.5
	1905					5+40 in³ airgun
	1906					3.5 KHZ
	2055					3.5 KHZ
	2145					
	2200					
	2245					Recordee - 3.5KHz
	2305					" "
	2315					↓
	0004					3.5
	0118					3.5
	0203					3.5
	0203					airguns
	0222					3.5
	0245					3.5
	0246					airguns
	0303					3.5
	0311					3.5
	0312					airguns
	0317					3.5

AREA

TIME ZONE Zulu (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TR-E 2-4	200/70	11			C/S
	TR-C 2.25-2.75					C/S
	TR-E 2.5-3.0					C/S
	TGR 3/4 2.5-4.5					C/S
	TRTRG center	2.75-3.25				C/S
	TRTRG edge	3.0-3.5				C/S
	TGR 1/2 3.0-5.0					C/S
	TR center 3.25-3.75					C/S
	TR edge 3.5-4.0					C/S
	TGR 1/4 3.5-5.5					C/S
						A/C to 015 EOL7 BOL 7A
	TGR center	3.75-4.25				C/S
						End 7A, SOL 8
	TR edge	3.5-4.0 sec				C/S
	TGR 1/2	3.0-5.0 sec				C/S
	TR 1/2	3.25-3.75 sec				C/S
	TRTRG-E 3-3.5					
			11 / 12			Tape Chg
						Paper Change-Recorder Off
	TR-E 2.5-3.0					Recorder On C/S
						Clock Sync
	TR center 2.25-2.75					C/S
	TRTGR edge	2.0-2.5				C/S
	TRTGR center	1.75-2.25				C/S
	TR 1/4 1.5-3.5					C/S
	TR edge 1.5-2.0					C/S
	TR center 1.25-1.75					C/S
	TR 1/2 1.0-3.0					C/S
	TGR edge	1.0-1.5				C/S
	TGR center	.75-.25				C/S
	TR 3/4 .5-2.5					C/S
	TR edge .5-1.0					C/S

SHIP/CRUISE NO. / LEG Cyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
8	0330	80ct 3				3.5
	0332					airguns
	0333					40in³ airgun
	0337					3.5
	0350					40in³ airgun
	03552					40in³ airgun
	1027					Tape
	1030					
18	1320					all systems
8ct						
	1324					5in³ airgun
	1339					40in³ airgun
	1400					5in³ airgun
	1450					5in³ airgun-0-1sec
	1503					"
	1505					"
	1531					5in³ gun
8	16002					All Systems
	16002					Recorder 'A' 5+40in³
	20002					Rec. B 5&40
						Rec C 5&40
						3.5KHZ
	2217				40+	5in³ 0-1.0 sec
	2221				40+	5in³ 0-1.0 sec
	2250					Tape
	2255					
	0303					3.5
	0305					3.5
	0312					3.5
	0317					3.5
	0320					40+5in³
	0320					40&5in³

AREA

TIME ZONE Zulu (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	TR-E 2-4	200/70	11			C/S
	TR-C 2.25-2.75					C/S
	TR-E 2.5-3.0					C/S
	TGR 3/4 2.5-4.5					C/S
	TRTRG center	2.75-3.25				C/S
	TRTRG edge	3.0-3.5				C/S
	TGR 1/2 3.0-5.0					C/S
	TR center 3.25-3.75					C/S
	TR edge 3.5-4.0					C/S
	TGR 1/4 3.5-5.5					C/S
						A/C to 015 EOL 7 BOL 7A
	TGR center	3.75-4.25				C/S
						End 7A, SOL 8
	TR edge	3.5-4.0 sec				C/S
	TGR 1/2	3.0-5.0 sec				C/S
	TR 1/2	3.25-3.75 sec				C/S
	TRTRG-E 3-3.5					
			11 / 12			Tape Chg
						Paper Change-Recorder Off
	TR-E 2.5-3.0					Recorder On C/S
						Clock Sync
	TR center 2.25-2.75					C/S
	TRTGR edge	2.0-2.5				C/S
	TRTGR center	1.75-2.25				C/S
	TR 1/4 1.5-3.5					C/S
	TR edge 1.5-2.0					C/S
	TR center 1.25-1.75					C/S
	TR 1/2 1.0-3.0					C/S
	TGR edge	1.0-1.5				C/S
	TGR center	.75-.25				C/S
	TR 3/4 .5-2.5					C/S
	TR edge .5-1.0					C/S

C10

AREA

TIME ZONE Zulu (EDT + 04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	TR center	.25-.75				c/s
	Redge 0-2sec					c/s
						turn off 40in³ gun
	Redge 0-.5					c/s
						40 in³ gun back on
						40 in³ gun off
			12 / 13			Tape Chg
						Another Calm Day
						in sight
						A/C to 342° E.O.L 8
						B.O.L. 8A
			(2)	springs gone		airgun died - off for repair
						deployed 40 while 5in³ fixed
						5in³ gun back on - 40in³ left in
						5 volt power in recorder gone
						recorder back on
			solenoid		problem	GUN DOWN (5in³)
						5in³ gun back on
						EOL 8A SOL 9
	Split Trace 0-2SEC & D-4s	100/20				Teledyne Stor
	0-2sec	200/60				status
	0-2SEC	200/60				↓
	½ 0-.5					↓
						c/filter 200-2000 Hz
						c/filter 100-2000 Hz
			13 / 14			Tape Chg
	TR center .25-.75					c/s
						power turned up
	TR edge .5-1.0					c/s
	TGR center .75-1.25					c/s
	TR ½ 1.0-3.0					c/s

1 R-G 0-1

Not receiving record
try we get back to 0-1sec depth

SHIP/CRUISE NO./LEG GYRE 80-9A

CHIEF SCIENTIST Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
9	0324	80 Oct 4				3.5
	0338					3.5
	0353					3.5
	0410					3.5
	0429					5+40 in3
	0430					3.5
	0431					3.5
	0502-0504Z					3.5
	0514					3.5
	0630					3.5
	0801					5 in3 +40 in3
	0802					3.5 KHZ
	1000					
	1010					3.5KHZ
	1013-1019					3.5KHZ
	1120					Tape
	1123					
	1150					3.5KHZ
	1201					Airgun
9A 9	1203					all systems
	1301					
	1319					
	1314					3.5
	1323					
9A	1540					all
10						systems
	1609-1611					5+40 in3 0-2.0
	1615					3.5
	1617					5+40 in3

C11

AREA North of Hatteras

TIME ZONE Zulu (EDT +4)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TGR edge	1.0-1.5	14			c/s
	TR center	1.25-1.75				c/s
	TR edge	1.5-2.0				c/s
	TRTGR 1/2	1.75-2.25				c/s
	TR edge	2.0-5.0 s				c/s
	TR TGR edge	2.0-2.5 s				c/s
	TR ctr	2.25-3.75				c/s
						down for belt change
	TR edge	2.5-3.0				c/s
	TRTGR 1/2	2.75-3.25				c/s
	TGR 1/2	3.0-5.0 sec				c/s
	TRTGR edge	3.0-3.5 sec				c/s
						Slight Sea Swell/s
	TR-C	3.25-3.75				c/s
						Last sig-due to Key Position
						Switch in between
						center & 3/4 - ok now
			14 / 15			Tape Chg
	TR-E	3.5-4.				c/s
	TGR 1/4	3.5-5 s				c/s
						E.O.L. 9 B.O.L. 9A A/c 010°
						starting 360° turn to avoid
						traffic
						Back on course
						change
						paper
						E.O.L. 9A
						B.O.L. 10 A/c to 270
						down for paper change
	TR 1/2	3.25-3.75 sec				c/s
	TGR 1/2	3.0-5.0 sec				c/s

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
10	1707	80 Oct 04				3.5 KHz
	1913					3.5
	1933					5+40 in3
	2040					3.5KHZ
	2040 - 2043					↓
	2045					↓
	2036					5&40 recorder C
						↓
	2045					5&40 recorder C
	2213					3.5KHZ
	2214					5&40 rec B 2 sec sup
	2235					3.5KHZ
	2330					5&40 recorder B
	2335					3.5KHZ
	2339					3.5KHZ
	2345					
	2356					3.5
	0026	80 Oct 5				3.5
	0036					3.5
	0038					5+40 in3 airguns
	0040					" "
	0044					3.5
	0051					3.5
	0100					3.5
10	0152					all systems
11	"					
11	0803					all systems
11B						

C12

AREA

TIME ZONE Tulsa (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	TRTGR edge 3.0-3.15					c/s
	TRTGR 1/2	2.75-3.25				c/s
	TGR 3/4	2.5-4.5sec				c/s
	TR-E 2.5-3.0	S			c/s	Fill in the Trough
						New Belt
						Sync clock
1	TGR-1/4 1.75-2.75	1000/200			New Belt →	On & rec data
						Double scale lines
	Back off till we					due to program
	come back up to 0-1sec					
	TR-C 2.25-2.75					c/s
	TR-E 2-4					c/s
	TRTGR-E 2-5					c/s
2	TR 1/2 1-3					c/s
1	TR-E 1.5-2.0					c/s
1	TRTGR-C 1.75-2.25					c/s
			15 / 16			Tape Chg
	TRcenter 1.25-1.75					c/s
	TGRedge 1.0-1.5					c/s
	TGR center .75-1.25					c/s
	Redge 0-2sec					c/s
						0-1sec sw record back on
	TR edge .5-1.0					c/s
	TR center .25-.75					c/s
	R edge 0-.5					c/s
						E.O.L 10
						B.O.L. 11 A/c to 191°
						EOL 11
						BOL 11A
						All's well - smooth
						sailing
						Goin South!

SHIP/CRUISE NO./LEG Gyte 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11A	1140	80 Oct 5				Split trace 5 & 40 Rec A
	1155					↓
	1217					Rec. C 5 & 40 in
	1220					Mag
						Tape
	1231					5 in³ airgun
	1250					40 in³ airgun
	1359					SPLIT TRACE
11A	1425					all
11B						systems
	1500					Split TRACE
	1632					
	1632					3.5
	1637					3.5
	1641					3.5
	1642					Split trace
	1648					3.5
	1648					40 in³ Airgun
	1650					3.5
	1650					40 in³ Airgun
	1653					3.5
	1653					40 in³ Airgun
	1700					3.5
	1702					SPLIT TRACE
	1704					3.5
	1706					3.5
	1710					3.5
11B	1712					All Systems
11C						

AREA

TIME ZONE Zulu (EDT +04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	0-2sec & 0-4sec		16			OFF - chg paper & BEM back ON & synced
1	R-E 0-1					Now just 5in³
			16 / 17			Tape change
						turned off - interferance problems
						no 5in³ - 0-1 sec sw now
						40in³ gun, 200 element
						streamer 150-2000 Hz
						CHG CH B TO 1 sec sweep
						E.O.L. 11A
						B.O.L. 11B A/C 090
	CHA 0-2 sec	C'				CHANGED FILTER 15-150 Hz
	CHB 0-1 sec					
	TR ctr .25-.75 sec					c/s
	TR edge .5-1.0 sec					c/s
	TGR 1/2 .75-1.25 sec					
	CHA 0-2 sec	CHB 0-2 sec				c/program
	TGR edge	1.0-1.50				c/s
	TR 1/2	1.0-3.0				c/s
	TGR 1/2	.75-1.25				c/s
	TR edge	0-2.0				c/s
	TGR edge	1.0-1.5 sec				c/s
	TR edge	0-3.0 sec				c/s
	TR ctr	1.25-1.75				c/s
	CHA 0-4.0 sec	(CHB 0-2.0 sec)				c/ program
	TR edge	1.5-2.0				c/s
	TR TGR 1/2	1.75-2.25				c/s
	TR edge 1.5-2.0					c/s
						EOL 11B
						SOL 11C

SHIP/CRUISE NO./LEG GYRE 80-9A

CHIEF SCIENTIST Peter Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11C		80 OCT 5				
	1717					3.5
	1719					3.5
	1722					3.5
	1731					3.5
	1730					SPLIT TRACE
	1752					3.5
	1754					3.5
*	1758					3.5
	1808					3.5
	1809					3.5
*	1756					SPLIT TRACE
	1816					3.5
	1818					3.5
	1820					3.5
	1828					3.5
	1830					40 in³ Airgun
	1848					3.5
	1855					3.5
	1913					3.5
	1917					3.5
	1929					3.5
	1949					3.5
	1954					3.5
11C	2006					All
11D	2010					
	2016					3.5KHZ
	2024					↓
	2030					40 in³ Airgun (B)
	2029					3.5KHZ
	2031					3.5 KHZ
11E / 11D	2057					All

C14

AREA

TIME ZONE Kalu (EDT TO 4)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
			17			
	TRTGR edge	2.0	-2.50			C/S
	TRTGR 1/2	1.75	-2.25			C/S
	TR edge	1.5-2.0 sec				C/S
	TR CTR	1.25	-1.75			C/S
	—					200 element streamer
	TGR edge	1.0-1.5 sec				C/S
	TR 3/4	1.125	-1.625			C/S
	TR Ctr	1.25	-1.75			C/S
	TR 3/4	1.125	-1.625			C/S
	TGR edge	1.0-1.5				C/S
						C/filter 80-100 Hz
	TR 1/2	1.25	-1.75			C/S
	TR edge	1.5-	2.0			C/S
	TR 1/2	1.25	-1.75			C/S
	TGR edge	1.0-1.5				C/S
	TR 3/4 0.5	-2.5				C/S
	TGR 1/2	.75-1.25				C/S
	TGR edge	1.0-1.5				C/S
	TGR 1/2	.75-1.25				C/S
	TGR 1/4	.875-1.375				C/S
	TGR edge	1.0-1.5				C/S
	TGR 1/4	.875-	1.375			C/S
	TGR edge	1.0-1.5				C/S
						E.O.L. 11C
						B.O.L. 11D
1/2	TGR-C .75-1.25					C/S S.E.I. Str.
2	TR-E .5-1.					C/S
2	R-E 0-2					C/S
1/2	TR-C .250-.750					C/S
						Lost Sig-Somehow
						E.O.L. 11D B.O.L. 11E

SHIP/CRUISE NO./LEG Cure 80-9A

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11E	2115					40 in3 Rec C
	2120					3.5KHZ
	2149					Teledyne Streamer
	2225-2331					Rec C 40 in3
	2315-2325					
	2325					All 3 recorders Airgun
	2340					40 in3 Rec C
	~~2347~~					All
11E	2347					
11F						
		80Oct6				
11F	0055					Mag
	0101					Tape
11F	0140					all
11G						Systems
	0140					3.5
	0147					3.5
	0402					40 in3 Airgun
	0552-0554z					40 in3 Airgun
	0708					40 in3 Airgun
	0716					40 in3 Airgun

AREA

TIME ZONE Zulu (EDT + 04)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
						~~[illegible]~~
1						200 E.S. For Now
					Sync –	Back on - Yeah
						Streamer pulled in
1	R-E	2000/60			Not Recording - Blown Fuse	
						Compressor shut
						down - Needed oil
						Pressure did not
						drop below 1000
						(the guns were still
						firing)
		(Picked up noise				out of phase
		in 200 E.S.)				Sync clock
						E.O.L. 11E B.O.L. 11F
			Streamer			Prob was w/ our 8 knot
						speed thru x/20
			/ 17			change
			18 /			tape
						E.O.L. 11F
						B.O.L. 11G A/c to 220°
						down for paper change
						up again.
	0-1.0 sec recorder				changing filters 100 - 12000 Hz *	
	0-1.0 sec recorder					down for belt change +
						cleaning
	0-1.0 sec recorder					down for belt change –
						something wrong w/ key block -
						cleaning w/ alchohol +
						contact renal
	0-1.0 sec	recorder				Back up

SHIP/CRUISE NO./LEG GYRE 80-9A

CHIEF SCIENTIST PETE POPENOE

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11G		80 OCT 6				
	0800					
HG	1320					
11H						
	1320					Mag Tape
	1320					Split tape
	1335					
11H	1633					All systems
11I						
	2010 – 2043					40 in³ · Rec C 1 sec sup
	2045					
	2103 – 2105					3.5 kHz
	2155					
	2243					2x40 in³ Gun
	0145	80 Oct 7				Mag Tape
	0149					
	0415z					
11I	0450					ALL SYSTEMS
11J						
	0617					2x40 in³ 0-1.0
	0644					2x40 in³ 0-1.0 sec
	0747-					2x40 in³ - ALL.
	0751z					
	1218					2x40 in³ - 1 sec record
	1223					"
	1412					mag &
	1415					tape
	1508					3.5
	1513					3.5

Mason? Where - are - - you ?? (16

AREA OFF HATTERAS
TIME ZONE Zulu (E.D.T. + 4)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			18			
						Wind is between 20-30 kn
						From SE
						E.O.L. 11G
						B.O.L. 11H A/C to 199
			18			change
			19			tape
						recorder off for paper change
						recorder on
						EOL 11H
						BOL 11 I A/C to 227°
						Blown Fuse - replace
						sync
						chg belt
						sync
						Another 40 m³ In
			19			tape
			20			change
						Nice weather - calmer seas
						a/c to 220° EOL 11 I
						BOL 11 J
						c/filter 100-1000 Hz
						c/filter 100-1000
						all down while 0-2.0 sec
						recorder down for belt change
						down for belt change
						back on
			20			change
			21			tape
						change paper
						back on

SHIP/CRUISE NO./LEG GYRE 80-9A

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11J		80 OCT 7				
	1500Z					200 element streamer /
						0-2.0 sec / 30-150 Hz
11K	1955					All
	2150					3.5 KHZ
	2205					2x 40 in3 C
	2200					2x 40 in3 B
	2229					2x 40 in3 C
	2231					2x 40 in3 B
	2232					2x 40 in3 C
	2221 - 2255					Split Trace
	2330 - 2335					2x 40 in3 Rec C
	2340					↓
	0133					3.5
	0228					mag
	0231					tape
	0417					2x 40
	0453Z					2x 40 / 0-1.0 sec / 100-1000 Hz
	0436Z					3.5
11K	1130					All / ays

AREA

TIME ZONE ZULU (EDT +4)

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			21			[redacted]
						Ken was playing + started
						up a new recorder
						E.O.L. 11J B.O.L. 11K
1/2	TR 1/4 .375-.375					C/S
1	TR 1/2 .5-1.5					C/S
2	TR 3/4 .5-2.5					C/S
1	TR 3/4 .25-1.25					C/S
2	R-E 0-2					C/S
	R-E 0-1					C/S
						effected (ch A - Double
						record) - due to ch
						in Fire rate (2 to 1) 4 oin
						gun 0-2 sec sup)
						should have been
						2 sec Fire. All better
	1 sec sup					Chg paper & beet
						Sync Clock
	TR edge					C/S
				21		tape
				22		change
	TR 3/4					C/S
						down - blown fuse - Recorder off
	TGR 1/2	0.75-1.25 sec				C/S
				22		E.O.L. 11K
						Hand in Gear

SHIP/CRUISE NO./LEG GYRE 80-9A

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	~~NAVIGATION~~	SEISMIC SYSTEM
WR1	0930	80OCT10			200 element streamer	2x40 in3 Airgun
						3.5kHz
					SE1 streamer	2x40 in3 Airguns
					200 element streamer	2x40in3 Airguns
	0941					
	0955				200 element	2x40 in3 Airguns
	1018Z					2x40 in3
	1019Z -	1023Z				2x40 in3
	1225Z					1x40 in3
	1427Z					5in3
	1749Z					
	2133					
	2210					Tape
	2235-2305					
	2310					
	2320			3.8		
	2325					
	2343			3.4		
	0005	80Oct11				SPLIT TRACE
	0208					
	1035					
	1038					Tape

AREA Water Resources Survey
TIME ZONE Zulu

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	0-1.0sec	100-1000 Hz				
	0-0.5sec					START OF LINE WR1 START SURVEY
	0-2.0sec	60-200 Hz				
	Split trace	0-4.0,	0-2.0	40-1000Hz		
			23			START SA-23
	0-2.0sec 20-150 Hz					START recorder
	0-1.0sec					checking take up pulley
	0-1.0sec					down for belt change
						ONE GUN OFF
						put in 5in³ gun, take out 40in³
						ONLY 5in³ GUN IN!!
						DAVE + KATHY TAKING 40in³ OUT of WATER
						c/c 196°
			23 / 24			Tape Chg
						Noise in hydrophone
						Noise is back
						Barry Irwin F's
						up - Totally ??
						Rectified prob
						on Str -
						Noise Intermittent
						Slow down
						Pull in Str. Again
						Much Better
						NEW BELT & CLEAN
			24 / 25			Tape Chg

SHIP/CRUISE NO./LEG Gyre 30-91
CHIEF SCIENTIST [illegible]

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
WR1	1242	80 Oct 11				Airgun
	1315					
/ WR-1	1417					all systems
WR-2 /	1417					
	1527					3.5
	1743					3.5
	1809					3.5
	1828					3.5
	1839					40 in³ 0-2.0s
	1840					40 in³ 0-2.0s
	1851					40 in³ 0-2.0s
	1920					Split Tracks
	1920Z					40 in³ Airgun
	1920Z					1 in³ Airgun
	1920Z				1 in³ Airgun	0-2.0 sec trace
	1924Z					1 in³ Airgun 0-2.0 sec
WR-3 / WR-2	1928					
	2100	2110		7.3		3.5KHZ
	2115					↓
WR-4 / WR3	2147					
	2200					3.5
	2205					[illegible] All 1 IN³ Recorders
	2308					Tape
	2314					
	2322					3.5
	2341					↓
	0022					3.5
	0038					3.5
	0150					0-2sec airgun recorder
WR-5 / WR-4	0151					all systems

AREA Water Recovery DN
TIME ZONE Zulu

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			25	3 springs gone 1 solenoid		5 in³ gun out – for repair
						40 in³ gun in
						40 in³ gun on 4 sec firing rate
						E.O.L. WR-1
						B.O.L. WR-2 A/C 060°
	TR center .25-.75 sec					c/s
	TR 1/4 .375-.875 sec					c/s
	TR edge .5-1.0 sec					c/s
	TGR Center .750-1.250 sec.					c/s
	TR 3/4					c/s
	TR 1/2					c/s
	TR 3/4					c/s
						chg filter 70-200 Hz
						OFF
						~~Firing 1/2 sec firing rate~~
						c/s Redge
						c/s TR 3/4
						chg paper & belt
						sync clock
	TR-E .5-1.0			c/s		Now 2 sec Fire
						↓
			25 26			Tape Chg
	TGR-C .75-1.25					c/s
	TR-E .5-1.00					c/s
	TR center .25-.75					c/s
	RG edge 0-.5					c/s
						change paper –
						E.O.L. WR4
						B.O.L. WR5 A/C to 052°

SHIP/CRUISE NO./LEG Gyre 80-9A

CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
WR5	0153	80 Oct 12				0-2sec airgun
	0436	80 Oct 12				3.5
	04432					1in³ Airgun
	"					"
	04527					40 in³ Airgun
	05152					1 in³ Airgun
	06502	80 Oct 12				3.5
WR6 / WR5	0800					
	0852					1 in³
	0905					40 in³
	0927					1 in³
	0958-1002					1 in³ Split Trace
	1005					3.5 kHz
	1125					40 in³ Gun
	1135					5 in³ Gun
	1145					Vapor
	1148					
	1215					3.5
	1253					3.5
	1255					"
WR6	1318					
/ WR7	1318					
	1428					3.5
	1703					5 in³ Gun
	1709					40 in³ Gun
	1719					40 in³ Gun
	1719					5 in³ Gun

AREA

TIME ZONE Zulu

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
			26			~~Dec on~~
	TR Center .250-.750		SEC.			
				3springs	-	Airgun down, Dave to the rescue
						Airgun firing (4sec rate)
			2sec	firing	- 40in³	Airgun off, 1in³ Airgun fixed on
	TR EDGE .50-1.00 SEC.					
						E.O.L. WR-5 B.O.L. 6
	2SEC FIRE			3 springs		Stopped Firing
	4SEC FIRE					In & Firing
	2SEC FIRE					40in³ OFF - 1in³ Firing
	Ch A 0-4 Ch B 0-2		replace Stylus	BELT	→	Recorder off for maint.
	TR-C .250-.750					C/S
						In & Firing @ 4SEC
						1 in³ IS OFF
						In & Firing @ 2SEC
						40 in³ OFF
			27 / 26			Tape Clog
	RG edge 0-.5sec					c/s
						change belt
						E.O.L. WR6
						B.O.L WR7 A/C to 0540
	TR center .25-.75					c/s
				6 springs		5in³ off
						5in³ off - 40in³ firing
						off
						on + firing

SHIP/CRUISE NO./LEG Gyre 80-9A
CHIEF SCIENTIST Pete Popenoe

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
WR-7	1744	80OCT12				ALL SYSTEMS
WR-8						ALL SYSTEMS
	1843					3.5
	2055					3.5 KHZ
9 / 8	2210					All guns
10 / 9	2255					All Guns
	2315					5IN³ Gun Split Trace Rec
	0003	80 Oct 13		3.0		Tape
	0006					
	0803					3.5 KHZ
	0806					3.5 KHZ
	1032 = 1034					5IN³ G 0-1
	1231					mag
	1234					tape
	1512					Split
	1515					trace
	1520					3.5
	1522					
	1529					0-1 sec
	1530					recorder
WR 10	1617					ALL SYSTEMS
11						
11	1642					ALL SYSTEMS
13						
12 / 13	2216					All
	2237 - 2240					5IN³
	2340 - 2244					5IN
WR13 / WR12	2255					All

AREA
TIME ZONE Zulu

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
						EOL WR-7
						BOL WR-8
	TR 1/2 .25-.75sec					c/s
.5R-E 0-.5						C/S
						E.O.L. WR-8 B.O.L. 9
						E.O.L. WR-9 B.O.L. WR-10
						Belt Change
			2827			Tape chg
						down for paper change
						new roll / back up
		2000/70				off-chg belt
			28			tape
			29			change
						change paper
						change belt
						change belt
						EOL WR10
						BOL WR-11
						EOL WR-11
						BOL WR-1B
						E.O.L WR 1B - B.O.L. WR12
	0-2	300/(61)				chg paper
	0-1	1000/80				chg paper
						E.O.L. WR-12. B.O.L WR13

SHIP/CRUISE NO./LEG Cyre 80-9A

CHIEF SCIENTIST Pete

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
WR13	0054	80 Oct 15				mag tape
	0056					
	0131					Split trace
WR13	0309					All sys

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
			29/30			tape change
						change belt
						End of the line baby — Haul the gear in