GEOPHYSICAL LOG

GYRE 81-6-2

R. Miller + J. Kindinger

[redacted]

81008sei

81008
GYRE 104417
81-6-2

#2

U.S.G.S.
GEOPHYSICS
LOG

SHIP R/V GYRE

CRUISE NO. G-81-~~5~~6-2 // ~~G-81-7-2~~

DATE ~~5/10~~ 4/23/81 –

CHIEF SCIENTIST Miller // Bouma

SHIP/CRUISE NO./LEG GYRE/81-1/LEG II

CHIEF SCIENTIST RJ MILLER

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
~~100~~	~~1~~	~~81/4/18~~	~~126~~	~~6.6~~		
100	1 1928		136	6.2		12KHZ
					ND	~~AIRGUN ORB.~~
	70 2123		127			3.5KHZ
						Sparker
						3.5KHZ DUP.
						Sparker DUP.
						12 KHZ
						3.5KHZ
						Sparker
						3.5 KHZ Dup
						Sparker Dup
101	1 2223	81/4/10	318	6.4		12 KHZ
						3.5 KHZ
						Sparker
						3.5 KHZ Dup.
						Sparker Dup
	15 2244					Sparker
	17 2246					Sparker
	22 2252					Sparker
	31 2305					Sparker
	42 2322					Sparker
	42 2323					Sparker
	75 0010					Sparker SEA-MAC
	77 0013					Sparker SEA MAC
101	75 0010					Airgun 5in^3

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
.25	Redge					SOL100
2.0	$in.^3$ gun 2.0 SEC fire					"
.50	Redge					"
.50	Redge	2500/200				"
.25	0 delay					"
.50	Odelay	2500/240				"
.75	R-edge		(0-187.5 m)			EOL 100
.50	R-edge		(0-375 m)			EOL 100
.50	R-edge	2500/240	(0-375 m)			EOL 100
.25	0 delay					EOL 100
.50	0 delay	2500/240				EOL 100
.25	R edge					SOL 101
.50	R edge					SOL 101
.50	R edge	2500/240				SOL 101
.25	0 delay					SOL 101
.50	0 delay	2500/240				SOL 101
						Belt change
						Back on line
						OFF LINE
						ON LINE
						Belt change
						on line
						Belt change
						ON LINE
2.0	FIRE 2.0					ON LINE

SHIP/CRUISE NO./LEG GYRE/81-6/LEG II

CHIEF SCIENTIST R J MILLER

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
101	106 0052	81/4/19	318	6.5		12KHz
						Airgun 1 in³
						3.5 KHz
						SPARICER
						3.5KHz
						Sparker SEA-MAC
	0125	81/4/19				Sparker
103	1 0225		146	5.2		12KHz
						Airgun 1in³
						3.5KHz
						SPARKER
						3.5KHz (dup)
						Sparker SEA-MAC
	17 0247					Airgun 1in³
	35 0319					3.5 KHz
	114 0517					12KHz
	114 0522					12KHz
	147 0604					Sparker dup
	147 0605					Sparker dup
	157 0618					Sparker optim
	167 0637		149	8.3		
	168 0633		144	8.2		
						12 KHz
						Airgun 1in³
						3.5 KHz
						Sparker
						3.5 KHz (dup)
						Sparker SEA Mac

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.25	R-EDGE		(0-187.5m)			EOL 101
2.0			(0-1500m)			"
.5	R-EDGE		(0-375m)			"
.5	R-EDGE	2500/200	(0-375m)			"
.25	R-EDGE		(0-187.5m)			"
.5	R-EDGE	2500/240	(0-375m)			"
						Blew both recorder fuses
.25	R- EDGE		(0-187.5m)			SOL 103
2.0			(0-1500m)			"
.5	R-EDGE		(0-375m)			"
.5	R-EDGE	2500/200	(0-375m)			"
.25	R-EDGE		(0-187.5m)			"
.5	R-EDGE	2500/240	(0-375m)			"
2.0			(0-1500m)			OFF LINE
.25	R-edge					Machine adjustment
						Paper change - OFF LINE
						ON LINE
						paper tearing - advance
						back on line
						discard possible bad data
						for channel 3 on recorder
.25	R edge		(0-187.5m)			EOL 103
	(down)					EOL 103
.5	R-edge		(0-375m)			"
.5	R-edge	2500/200	(0-375m)			"
.25	R-edge		(0-187.5m)			"
.5	Odelay	2500/240				"

SHIP/CRUISE NO./LEG Byrd-81-5, Leg II

CHIEF SCIENTIST Ron J. Miller

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
104/0928		81/4/19	257	6.1		12 KHZ
						3.5 KHZ
						Sparker
						3.5 KHZ (dup)
						Sparker Sea Mac
0938/19						Sparker + dup
104	200/1238	EOL.	320	6.5		
						12 KHZ
						3.5 KHZ
						Sparker
						3.5 KHZ (dup)
						Sparker Sea Mac
due to circumstances beyond "our" control the tape recorder was not in op						te
						12 KHZ
						3.5 KHZ
						Sparker
						3.5 KHZ (dup)
						Sparker Sea Mac
105	1314	81/4/19	141	6.2	SOL 105	
	53/1424					3.5KHz
	53/1426					3.5KHz
	66/1444					3.5 kHz
	68/1447					3.5 kHz
	87/1514					Sparker
	89/1516					Sparker
	122/1605					Sparker
	126/1610					Sparker
	122/1611					12 kHz
	129/1615					12KHz
105	207/1814	81/4/19	133	6.9		12 kHz
105	207/1814					3.5 kHz
105	207/1814					3.5 kHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.25	R edge		(0-187.5m)			SOL 104
.25	R-edge		(0-375m)			"
.5	R edge	2500/200	(0-375m)			"
.5	R edge		(0-375m)			"
.5	0 delay	2500/240				"
						change leads
.25	R edge		6-187.5m			EOL 104
.25	0 delay		(6-375m)			"
.5	R edge	2500/200	(0-375m)			"
.5	R edge		(6-375m)			"
.5	0 delay	2500/240				"
for hot points — through —			on line		1041	
.25	R-edge		(0-187.5m)			SOL 105
.25	0 delay					"
.5	R edge	2500/200	(0-375m)			"
.5	3.5 KHZ (dup)		(6-375m)			"
.5	0 delay	2500/200				"
						Paper chang - OFF ON LINE
.5						Belt change On Line
.5						
						OFF line - Belt change ON LINE
						Change electrodes On Line
						Paper tore - OFF LINE ON LIVE.
.25	Redge		(0-187.5m)			EOL 105
.25			(0-187.5m)			
.50	Redge		(0-375m)			

SHIP/CRUISE NO./LEG GYRE/81-5/LEG II

CHIEF SCIENTIST R.J. MILLER

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
105	207 1814	81/4/19	133	6.9		Sparker
105	207 1814					Sparker (dup)
106	1 1905	81/4/19	310	7.8		Sparker SEA-MAC
106						Sparker
106						3.5 KHz (.5 s)
106						3.5 KHz (.25 s)
106						12 KHz
	6 1913					12 KHz
	11 1919					12 KHz
	103 2123					SPARKER
	103 2124					"
	100 2247					TAPE RECORDER
	206 2351		317	6.8		
						Sparker Sea Mac
						Sparker
						3.5 KHZ (.5)
						3.5 KHZ (.25)
						12 KHZ
107						Sparker Sea Mac
						Sparker
						3.5 KHZ (.5)
						3.5 KHZ (.25)
						12 KHZ
						Airgun 1 in^3
107	1 0034		141	7.3	SOL 107	Sparker
	30 1045					Sparker
	117 0359					Sparker
	120 0408					Sparker
	146 0423					AIRGUN

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
0.5	R edge	2500/200	(0-375 m)			
0.5	R edge	2500/200	(0-375 m)			EOL 105
0.5	R-EDGE	2500/200				SOL 106
0.5	R-EDGE	2500/240				SOL 106
0.5	R-EDGE					SOL 106
.25	R-EDGE					SOL 106
.25						SOL 106
						Paper change - OFF
						ON LINE
						OFF - maintenance
						ON LINE
						End of tape # 14 Line 106 contd on
						Tape # 15 FSP 163
0.5	o delay	2500/200				EOL 106
0.5	Redge	2500/240	(0-375 m)			"
0.5	Redge		(0-375 m)			"
.25						"
.25	Redge		(0-187.5 m)			"
0.5		2500/200				SOL 107
0.5	Redge	2500/200				SOL 107
.5	Redge					SOL 107
.25	"					SOL 107
.25	Redge					SOL 107
1.0	2° surf	3000/150				
						belt change
						belt change
						back on line
						Changed recorders

SHIP/CRUISE NO./LEG GYRE/81-5/LEG II

CHIEF SCIENTIST R J MILLER

LINE START / END	517 TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
	160 0444	81/4/19				Sparker
107	205 0546		134	5.1		Sparker Sea Mac
	206 0548		131	6.1		Airgun
						Sparker
						3.5 KHZ (.5)
						3.5 KHZ (.25)
						12 KHZ
108	1 0639	81/4/19	316	7.2		Airgun 1 in^3
108						Sparker - SEA MAC
106						3.5 KHz (.25)
106						Sparker
106						3.5 KHz (.5)
						12 KHz
	101 0923		312	4.4		Sparker
	117 0951		315			12 kHz
	120 0956		315			12 kHz
	203 1213					
108	207 1220		316	6.2		Airgun 1 in^3
108						Sparker - SEA MAC
108						3.5 KHz (.25)
106						Sparker
108						3.5 KHz (.5)
						12 KHz
108	207 1213					

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.50	1.0 SEC fire					
0.5	0 delay	2500/200				EOL 107
						"
0.5	R edge	2500/200				"
.5	R-edge					"
.25	R-edge					"
.25	R edge					"
0.5		2500/200	—			SOL 108
.25	R-EDGE					SOL 108
0.5	R-EDGE	2500/200	←			SOL 108
.5	R-EDGE					SOL 108
.25	R-EDGE					SOL 108
						Changed electrode
						Paper change
						On line
			15			
			16			
2.0						EOL 108
.5	R-EDGE	2500/240				EOL 108
.25	R-EDGE					EOL 108
.5	R-EDGE	2500/200				EOL 108
.5	R-EDGE					EOL 108
.25	R-EDGE					EOL 108
			15			Unable to record final
						S.P.'s (203-207) Tape change

SHIP/CRUISE NO./LEG GYRE/81-5/ LEG II

CHIEF SCIENTIST R.J. MILLER

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
200	1/1324	81/4/20	41.0	6.0		Sparker SEAMAC
200						3.5 KHz
200						Sparker
200						3.5 KHz
200						12 KHz
	12/1340					Sparker
	12/1342					"
200	67/1504	81/4/20	58	6.3	EOL 200	
						Sparker Sea Mac
						3.5 KHz
						Sparker
						3.5 KHz
						12 KHz
201	1/1559	81/4/20	239	5.7		Sparker Sea Mac
						3.5 KHz
						Sparker
						3.5 KHz
						12 KHz
EOL	104/1557					
	105/1826	81/4/20	220	6.8		Sparker Sea Mac
						3.5 KHz
						Sparker
						3.5 KHz
						12 KHz
202						Sparker Sea Mac
						3.5 KHz
						Sparker
						3.5 KHz
						12 KHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
0.5	R-EDGE	2500/240	(0-375 m)			SOL 200
0.25	R-EDGE		(0-187.5 m)			SOL 200
0.5	R-EDGE	2500/200	(0-375 m)			SOL 200
0.5	R-EDGE		(0-375 m)			SOL 200
0.25	R-EDGE		(0-187.5 m)			SOL 200
						Belt clamp - OFF
						ON LINE
0.5	R-edge	2500/240	(0-375 m)			EOL 200
0.25	R-edge		(0-187.5 m)			EOL 200
0.5	R-edge	2500/200	(0-375 m)			EOL 200
0.5	R-edge		(0-375 m)			EOL 200
0.25	R-edge		(0-187.5 m)			EOL 200
0.5	0 delay	2500/240	(0-375 m)			SOL 201
0.25	R-edge		(0-187.5 m)			"
0.5	R-edge	2500/200	0-375 m			"
0.5	R-edge		(0-375 m)			"
0.25	R-edge		(0-187.5 m)			"
0.5	0 delay	2500/240	(0-375 m)			EOL 201
0.25	R-edge		(0-187.5 m)			"
0.5	R-edge	2500/200	(0-375 m)			"
0.5	R-edge		(0-375 m)			"
0.25	R-edge		(0-187.5 m)			"
.05	0 delay	2500/240	(0-375 m)			SOL 202
0.25	R-edge		(0-187.5 m)			"
0.5	R-edge	2500/200	(0-375 m)			"
0.5	R-edge		(0-375 m)			"
0.25	R-edge		(0-187.5 m)			"

27 m Struc D

9 - 10 m thick

19 - 20 m strat. C

7 m thic

SHIP/CRUISE NO./LEG GYRE 81-5, Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
202	01/1917	81/4/20	45	7.3		
202	135/2240	81/4/20	91	7.3		Sparker SEAMAC
202						3.5KHz
202						Sparker
202						3.5KHz
202						12KHz
203	1/2303	81/4/20	193	6.3		SPARKER - SEA MAC
						3.5KHz
						SPARKER
						3.5KHz
						12KHz
	75					12KHz
	79/0110					12KHz
	101/0145					Sparker
	102/0146					Sparker
	152/0315	81	213	4.2		
	153/0316		212	6.2		
203	164/0336		246	5.3		SPARKER - SEAMAC
203						3.5 KHz
203						SPARKER
203						3.5 KHz
203						12KHz
205	1/0532	81/4/21	41	7.5		SPARKER-SEAMAC
						3.5 KHz
						SPARKER
						3.5 KHz
						12KHz
	81/0720					Sparker

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
0.5	R-EDGE	2500/240	(0-375 m)			EDL 202
.25	R-EDGE		(0-187.5 m)			EDL 202
0.5	R-EDGE	2500/200	(0-375 m)			EDL 202
0.5	R-EDGE		(0-375 m)			EDL 202
.25			(0-1500 m)			EDL 202
0.5	R-EDGE	2500/240	(0-375 m)			SOL 203
0.25	R-EDGE		(0-187.5 m)			SOL 203
0.5	R-EDGE	2500/200	(0-375 m)			SOL 203
0.5	R-EDGE		(0-375 m)			SOL 203
0.25			(0-1500 m)			SOL 203
						Paper change - OFF
						Paper change - ON
						change electrode - OFF
						ON Line
			17 / 16			
						Changed Tapes
0.5	R EDGE	2500/240	(0-375 m)			EDL 203
0.25	R EDGE		(0-187.5 m)			EDL 203
0.5	R EDGE	2500/200	(0-375 m)			EDL 203
0.5	R EDGE		(0-375 m)			EDL 203
0.25			(0-1500 m)			EDL 203
0.5	R-EDGE	2500/240	(0-375 m)			SOL 205
0.25	R-EDGE		(0-187.5 m)			SOL 205
0.5	R-EDGE	2500/200	(0-375 m)			SOL 205
0.5	R-EDGE		(0-375 m)			SOL 205
0.25			(0-1500 m)			SOL 205
						belt change

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
205	0722	81/4/20				Sparker
	0819 / 123					Sparker
	0828 / 126					"
	0844 / 141					3.5 Sparker Sea Mac
	0847 / 143					"
	0906 / 156					3.5 KHZ 0.25
	1033 / 212					12 KHZ
	1059 / 229		59	6.8	EOL 205	
						Sparker Sea Mac
						3.5 KHZ
						Sparker
						3.5 KHZ
						12 KHZ
						Sparker Sea Mac
						3.5 KHZ
						Sparker
						3.5 KHZ
						12 KHZ
206	1 / 1137		216	7.1	SOL	
	68 / 1310					Sparker
	69 / 1311					"
	81 / 1326					3.5 KHZ 0.25
	83 / 1328					"
	199 / 1600		222			12 kHz
	205 / 1608		226			12 kHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
						back on
						down for repair
						back on
						down for repair
						back on line
						belt change
						off briefly for repair
0.5	0 delay	2500/240	(0-375m)			EOL 205
0.25	R-edge		(0-187.5m)			EOL 205
0.5	R-edge	2500/200	(0-375m)			EOL 205
0.5	R-edge		(0-375m)			EOL 205
0.25	R-edge		(0-187.5m)			EOL 205
0.5	0 delay	2500/240	(0-375m)			SOL 206
0.25	R-edge		(0-187.5m)			SOL 206
0.5	R-edge	2500/200	(0-375m)			SOL 206
0.5	R-edge		(0-375m)			SOL 206
0.25	R-edge		(0-187.5m)			SOL 206
						off for repair
						back on
						belt change
						back on
						Paper change
						back on line

SHIP/CRUISE NO./LEG DYRE 81-5, Leg #

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
206	235 / 1651	81/4/21	228	6.6		Sparker - SEA MAC
206						3.5 KHz
206						Sparker
206						3.5 KHz
206						12 KHz
207	1 / 1737	81/4/21	45	6.8		SPARKER - SEAMAC
						3.5 KHz
						SPARKER
						3.5 KHz
						12 KHz
207	39 / 1833	81/4/21	040	6.6		3.5 kHz
	41 / 1836		048	6.1		3.5 kHz
	73 / 1926	81/4/21	058	5.9		Sparker — SEA-MAC
	75 / 1929		055	5.9		Sparker — SEA-MAC
	232 / 2323		47	7.2		
						Sparker Sea Mac
						3.5 KHZ
						Sparker
						3.5 KHZ
						12 KHZ
209	1 / 0058	81/4/21	260	6.5		Airgun 1 in³
						Sparker - Sea Mac
	07 / 011					3.5 KHZ .25
						Sparker
						3.5 KHZ 0.5
						12 KHZ
	07 / 0110					Sparker
	104 / 0351					3.5 KHZ - belt change

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
0.5	R-EDGE	2500/240	(0-375 m)			EOL 206
.25	R-EDGE		(0-187.5m)			EOL 206
0.5	R-EDGE	2500/200	(0-375m)			EOL 206
0.5	R-EDGE		(0-375m)			EOL 206
.25			(0-1500m)			EOL 206
0.5	R-EDGE	2500/240	(0-375m)			SOL 207
.25	R-EDGE		(0-1875m)			SOL 207
0.5	R-EDGE	2500/200	(0-375m)			SOL 207
0.5	R-EDGE		(0-375m)			SOL 207
.25			(0-1500m)			SOL 207
			18/17			TAPE CHANGE
.25	R-edge					Belt Change On Line
.25						
.50						Changing out coupler On Line
.50						
0.5	0 delay	2500/240	(0-375m)			EOL 207
.25	R-edge		(0-187.5 m)			EOL 207
0.5	R-edge	2500/200	(0-375m)			EOL 207
0.5	R-edge		(0-375m)			EOL 207
.25	R-edge		(0-187.5m)			EOL 207
201	2. fire					SOL 209
0.5	0 delay	2500/240	(0-375m)			SOL 209
.25	R-edge		(0-187.5m)			SOL 209
0.5	R-edge		(0-375m)			SOL 209
0.5	R-edge		(0-375m)			SOL 209
.25	R-edge		(0-187.5m)			SOL 209
						Reduce firing speed to
						1.0 sec.

SHIP/CRUISE NO./LEG Hyre 81-5, Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
23 / 1393						3.5 KHz 0.5
32 / 0154						3.5 KHz 0.5
/ 0654						all system
	220 / 0842					
	220 / 0842					
/ 209	287 / 1033		227	6.8		AIRGUN 1in³
/ 209						SPARKER SEAMAC
/ 209						SPARKER
/ 209						3.5 KHz
/ 209						3.5 KHz
/ 209						12KHz
210 /	1 / 1106	81/4/22	074	6.2		AIRGUN 1in³
210 /						SPARKER SEAMAC
210 /						SPARKER
210 /						3.5 KHz
210 /						3.5 KHz
210 /						12 KHz
210	44 / 1214					3.5 KHz
	66 / 1248					SPARKER
	68 / 1251					"
	127 / 1417					Sparker
	203 / 1624					3.5 KHz
	272 / 1808	81/4/22	45	7.0	EOC 210	
						Airgun 1in³
						Sparker SeaMac
						Sparker
						3.5 KHz .25
						3.5 KHz .5
						12 KHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
						off for repair
						track on line
						LORAN C down - RV
						looping back to SP 220-22
						BACK ON LINE
1.0	2.0 FIRE		(0-1500m)			EOL 209
.5	R-EDGE	2500/240	(0-375m)			EOL 209
.5	R-EDGE	2500/200	(0-375m)			EOL 209
.25	R-EDGE		(0-187.5m)			EOL 209
.5	R-EDGE		(0-375m)			EOL 209
.25	R-EDGE		(0-187.5m)			EOL 209
1.0	2.0 FIRE		(0-1500m)			SOL 210
.5	R-EDGE	2500/240	(0-375m)			SOL 210
.5	R-EDGE	2500/200	(0-375m)			SOL 210
.25	R-EDGE		(0-187.5m)			SOL 210
.5	R-EDGE		(0-375m)			SOL 210
.25	R-EDGE		(0-187.5m)			SOL 210
.25	R-EDGE					PAPER change
						SWITCH LEDS
						ON LINE
						change leads
						off for belt change
1.0	2.0 fire					EOL 210
.5	delay	2500/240	(0-375m)			EOL 210
.5	R-edge	2500/200	(0-375m)			EOL 210
.25	R-edge		(0-187.5m)			EOL 210
.5	Ridge		(0-375m)			EOL 210
.25	Ridge		(0-187.5m)			EOL 210

SHIP/CRUISE NO./LEG Hyde 81-5, Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
211	1849	81/4/22	217	7.5		Airgun 1 in^3
						Sparker Sea Mac
						Sparker
						3.5 KHZ .25
						3.5 KHZ .5
						12 KHZ
	82 / 2037					Sparker
	136 / 2138					12 KHZ
	131 / 2147					12 KHZ
	228 / 0020	81/4/23	232	6.3		Air Gun 1 in^3
	250 / 0055		221	5.2		
	251 / 0057		218	4.7		
211	258 / 0113	81/4/23	215	6.0		12KHz
						3.5KHz
						3.5 KHz
						Sparker
						Sparker SEAMAC
212	1 / 0150	81/4/23	62	7.0		12 KHz
						3.5 KHz
						3.5 KHz
						SPARKER
						SPARKER SEAMAC
	21 / 0217	81/4/23	052	7.4		Air Gun
	55 / 0306		057	6.8		Air Gun
	243 / 0737		47	6.9	EOC 212	
						Airgun 1 in^3
						Sparker Sea Mac
						Sparker
						3.5 KHZ .25
						3.5 KHZ .5
						12 KHZ

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
1.0	2.0 fire					SOL 211
.5	0 delay	2500/240	(0-375 m)			SOL 211
.5	R-edge	2500/200	(0-375 m)			SOL 211
.25	R-edge		(0-187.5 m)			SOL 211
.5	R-edge		(0-375 m)			SOL 211
.25	R-edge		0-187.5 m)			SOL 211
						switch leads
						change paper
						back on
1.0	2.0 fire					last airgun
			20			
			21			
.25	R-EDGE		(0-187.5 m)			EOL 211
.25	R-EDGE		(0-187.5 m)			EOL 211
.50	R-EDGE		(0-375 m)			EOL 211
.50	R-EDGE	2500/200	(0-375 m)			EOL 211
.50	R-EDGE	2500/240	(0-375 m)			EOL 211
.25	R-EDGE		(0-187.5 m)			SOL 212
.25	R-EDGE		(0-187.5 m)			SOL 212
.50	R-EDGE		(0-375 m)			SOL 212
.50	R-EDGE	2500/200	(0-375 m)			SOL 212
.50	R-EDGE	2500/240	(0-375 m)			SOL 212
						DOWN!!
1.0	2.0 fire					Back on line
1.0	2.0 fire					EOL 212
.50	0 delay					EOL 212
.5	R edge		(0-375 m)			EOL 212
.5	R edge		(0-375 m)			EOL 212
.25	R-edge		(0-375 m)			EOL 212
.25	R-edge		(0-187.5 m)			EOL 212

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SHIP/CRUISE NO./LEG Hyas 81-4, Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
Repeat 216	1 / 1012	81/4/23	229	5.7		Airgun 1 in³
	44 / 1121	decrease	in	speed of boat		Sparker Sea Mac
	52 / 1141	speed	back up to	6 k		Sparker
						3.5 KHZ .25
						3.5 KHZ .5
						12 KHZ
	94 / 1250					12 KHZ
	195 / 1528					3.5 kHz (.25)
	196 / 1530					12 kHz
	208 / 1549					12 kHz
216R	209 / 1550	81/4/23	228	6.2		Airgun 1 in³
216R						Sparker Sea Mac
216R						Sparker
216R						3.5 KHz
216R						3.5 KHz
216R						12 KHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
1.0	2.0 sec fire					SOL 216
.5	0 delay	2500/240				SOL 216
.5	R-edge	2500/200	(0-375 m)			SOL 216
.5	R-edge		(0-375m)			SOL 216
.25	0 delay		(6-375 m)			SOL 216
.25	R-edge		(0-187.5m)			SOL 216
						paper change
.25	.10 delay		(75-262.5 m)			Program Change
.25	R-center		(93.5-281 m)			program change
.25	TR-edge		(187.5-375m)			program change
1.0	2.0 FIRE					EDL 216R
.5	0 DELAY	2500/240	(0-375 m)			EDL 216R
.5	R-EDGE	2500/200	(0-375 m)			EDL 216R
.5	R-EDGE		(0-375 m)			EDL 216R
.25	.10 DELAY		(75-262.5 m)			EDL 216R
.25	TR-EDGE		(187.5-375 m)			EDL 216R

6

SHIP/CRUISE NO. /LEG GYRE 81-6 Leg II

CHIEF SCIENTIST Ronald J. Miller

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

AREA

TIME ZONE

	SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
	STA					STA	SILENT 700 ASR
42-	54	29° 20.8'	N			54	not available
		88° 53.6'	W				
43-	50	29° 24.5'	N			50	29° 24.6' N
		88° 49.2'	W				88° 48.45' W
44-	45	29° 28.3'	N			45	29° 28.21 N
		88° 46.4'	W				88° 46.10 W
45-	40	29° 32.2'				40	29° 32.16N
		88° 41.1'					88° 40.95W
4	34	29° 35.9°				34	29° 35.74' N
		88° 46.4'					88° 46.49' W
47-	30	29° 40.0'				30	29° 40.07' N
		88° 41.1'					88° 40.98' W
48-	26	29° 43.7'				26	29° 43.53' N
		88° 36.9'					88° 36.78' W
49-	25	29° 43.7'				25	29° 43.65' N
		88° 46.1'					88° 46.36' W
50-	22	29° 47.4'				22	29° 47.30' N
		88° 41.1'					88° 40.99' W
51-	19	29° 51.6'				19	29° 51.70' N
		88° 36.9'					88° 36.86' W
52-	16	29° 55.4'				16	29° 55.57'
		88° 32.7'					88° 32.70'

SHIP/CRUISE NO./LEG GYRE 81-~~5~~ Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
STA			STA		INS	SILENT 700 ASR
		53-13			29° 58.7'	29° 58.80' N
					88° 28.7'	88° 28.62' W
		54-9			30° 02.7'	30° 02.71' N
					88° 32.7'	88° 32.69' W
		55-6			30° 06.3'	30° 06.26' N
					88° 28.7'	88° 28.61' W
		56-7			30° 06.3'	30° 06.17' N
					88° 19.7'	88° 19.74' W
		57-10			30° 02.7'	30° 02.60' N
					88° 23.9'	88° 24.06' W
		58-14			29° 58.7'	29° 58.48' N
					88° 19.7'	88° 19.81' W
		59-17			29° 55.4'	29° 54.90' N
					88° 23.9'	88° 23.98' W
		60-21			29° 51.6'	29° 51.64' N
					88° 19.7'	88° 19.47' W
		61-20			29° 51.6'	29° 51.74' N
					88° 28.7'	88° 28.61' W
		62-23			29° 47.4'	29° 47.49' N
					88° 32.7'	88° 32.83' W

AREA LAMAL

TIME ZONE

	SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS Silent 700 ASR
	STA	I.N.S.				STA	
63-	31	29° 40.0'				31	29°40.09' N
		88° 32.7'					88° 32.83' W
64-	35	29° 35.9'				35	29° 36.00N
		88° 36.9'					88° 36.96W

6

SHIP/CRUISE NO./LEG GYRE/81-8/II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11	2218	81/4/24	263	5.9		12KHz
11						3.5KHz
11						Sparker
11						Sparker
11						Airgun 40 in^3
11						Airgun 40 in^3
	26 2256					Air Gun
	34 2308					3.5 KHz
	49 2329					12 kHz
	51 2333					Sparker
	61 2347					3.5 kHz
	69 2358					3.5 kHz
	70 0000	81/4/25				12 kHz
	71 0001					Sparker
	76					3.5 kHz
	77					Sparker
						Air Gun
	80					3.5 KHz
	84 0020					SPARKER
	85 0022					SPARKER
	97 0038					SPARKER
	98 0039					Air Gun
	124 0117					SPARKER
	127 0122					SPARKER
	132 0129					3.5kHz
	135 0133					12KHz
	135 0133					Sparker
	137 0137					Air Gun
	139 0140					3.5 kHz
	147 0152					12 kHz
	197 0203					12KHz
	168 0224					3.5 KHz
	168 0224					12 kHz

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.5	R-EDGE					SOL 11
.5	R-EDGE		(0-375m)			SOL 11
1.0	R-EDGE		(0-750m)			SOL 11
.5	R-EDGE		(0-750m)			SOL 11
1.0	4.0 FIRE		(0-750m)			SOL
2.0	4.0 FIRE		(0-1500m)			SOL 11
						5 in^3 gun on line
.50	TR 3/4		(94.5-469m)			Program change
.50	R-center					Program change
0.5	0.19 delay					program change
0.5	TR-center		(187-562m)			program change
0.5	TR Y4		(281-656m)			program change
0.5	TR-edge		(375-750m)			program change
0.5	0.39 delay					program change
0.5	TR edge					" "
1.0	TR- 3/4					" "
1.0	0.20 delay					" "
1.0	TR Center		(375-1125m)			" "
1.0						DOWN - Lost Trigger card
1.0						ON LINE
0.5	0.5 delay					Program change
1.0	0.3 delay					Program change
0.5	0.3 delay		(225-600m)			Program change
1.0	R-edge		(0-750m)			Program change
0.5	TR Y4		(281-656m)			Program change
0.5	R-CENTER		(187.5-562.5m)			Program change
0.5	0.1 delay		(75-450m)			Program change
1.0	0.15 delay		(112.5-862.5m)			Program change
0.5	TR Y2		(187-562m)			Program change
0.5			(187.5-562.5m)			Problem
0.5			(187.5-562.5m)			ON LINE
0.5	TR 3/4		(94.5-469m)			P/C
0.5	R-edge		(0-375m)			P/C

P/C = Program Change

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SHIP/CRUISE NO./LEG GYRE 81-6 Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
11	169 0227	81/4/25	258	6.2		12 kHz
11						3.5 kHz
11						SPARKER
11						SPARKER
11						AIR GUN (5 & 40 in³)
11						AIR GUN (5 & 40 in³)
12	1 0328	81/4/25	063	5.4		12 kHz
12						3.5 kHz
12						SPARKER
12						SPARKER
12						AIR GUN (5 & 40 in³)
12						AIR GUN (5 & 40 in³)
	18 0404					SPARKER
	20 0408					12 kHz
	25 0417					3.5 kHz
	28 0421					3.5 kHz
	29 0422					SPARKER
	40 0440					SPARKER
	47 0453					SPARKER
	49 0454					12 kHz
	50 0455					SPARKER
	62 0515					AIRGUN
	63 0516					3.5 kHz
	64 0517					
	65 0520					
	64 0517					Sparker
	66 0521					12 kHz
	79 0541					3.5 kHz
	127 0254					Sparker + 12 kHz
	128 0100					12KHZ
	133 0704					Sparker + 12 kHz
	133 0704					12KHZ
	136 0709					"

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.5	R-edge		(0-375m)			EOL 11
.5	TR 3/4		(94.5-469m)			EOL 11
1.0	R-edge		(0-750 m)			EOL 11
.5	.1 sec delay		(75-450m)			EOL 11
1.0	4.0 sec fire 0.15 sec delay	220/120	(112.5-862.5m)			EOL 11
2.0	4.0 sec FIRE	220/120	(0-1500 m)			EOL 11
.5	R-edge		(0-375m)			SOL 12
.5	TR 3/4		(94.5-469m)			SOL 12
1.0	R-edge		(0-750 m)			SOL 12
.5	0.2 sec delay		(150-525m)			SOL 12
1.0	4 sec fire 0 delay	220/120	(0-750m)			SOL 12
2.0	4.0 sec fire	220/120	(0-1500m)			SOL 12
0.5	0.2 sec delay		(150-525m)			P/C
0.5	TR-center		(187.5-562.5m)			P/C
0.5	TR-center		(187-562m)			P/C
.5	TR 1/4		(281-656m)			P/C
.5	0.4 sec delay		(300-675m)			P/C
.5	0.3 sec delay		(225-600m)			P/C
1.0	TR Centrd		(375-1125m)			P/C
.5	TR edge		(375-750 m)			P/C
.5	0.5 sec delay		(375-750m)			P/C
1.0	0.2 sec delay		(150-900m)			P/C
.5	TR EDGE		(375-750m)			P/C
			23			Tape change
			BY			Tape on line
.5	0.7 sec delay		(525-900m)			P/C : Lost during tape change
.5	TTRR center		(562.5-937.5m)			P/C
.5	TGR 3/4		(469-844 m)			P/C
						down for repair
.5	TR Edge		(375-750m)			P/C
						back on
.5	TR 1/2		(187.5-562.5m)			P/C
"	TR Edge		(375-750m)			P/C

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
12	138/0711	81/4/25				Sparker dup
	149/0721					3.5KHZ
	151/0732					12KHZ
	151/0733					Sparker
	152/0734					Sparker dup
	152/0734					Airgun
	150/735					Airgun
	158/0742					12KHZ
	159/0744		73	6.1		
	160/0746		74	6.1	EOL 12	
						12KHZ
						3.5KHZ
						Sparker
						Sparker dup
						Air Gun 5x40 in^3
						Air Gun 5x40 in^3
13	1/0912		235	5.9		12 KHZ
						3.5 KHZ
						Sparker
						Sparker (dup)
						Air Gun 5 x 40 in^3
						Air Gun 5 x 40 in^3
	47/1028					12KHZ
	49/1032					3.5KHZ
	51/1035					sparker dup.
	63/1054					Sparker
	66/1059					Airgun
	81/1124					Sparker
	83/1128					12KHZ
	88/1136					Airgun
	96/1148					Sparker

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
						1 sec delay
.5	TR 1/4		(281-656m)			P/C
.5	TR CENTER		(187.5 - 562.5m)			P/C
1.0	R-edge		(0-750)			P/C
.50	.8 sec delay					P/C
1.	.4 delay					P/C
1.	.2 delay					P/C
.5	REdge		(0-187.5m)			P/C
.5	R-edge		(0-375m)			EOL 12
.5	+R 1/4		(281-656m)			EOL 12
1.0	Redge		(0-750m)			EOL 12
.50	.8 sec delay					EOL 12
1.0	.2 delay	220/120				EOL 12
2.0	R-edge	220/120	(0-1500m)			EOL 12
0.5	TR edge		(375-750m)			SOL 13
.5	+TR 3/4		(469-844m)			SOL 13
1.0	+R 1/2	2500/200	(375-1125m)			SOL 13
.5	1.1 sec delay	1200/60				SOL 13
1.0	.5 delay	220/120				SOL 13
2.0	R-edge	220/120				SOL13
.5	TTRR 1/2		(562.5-937.5m)			P/C
.5	TGR 1/4		(656-1031m)			P/C
	1.4 sec delay					
						change electrodes
1.0	.7 sec delay					
1.0	TR edge		(750-1500m)			P/C
						paper change
0.2	TR 3/4		(375-1875m)			P/C
1.0	TR 1/2					P/C

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
13	99 1154	81/4/25				Airgun
	100 1157					Sparker
	120/1238					3.5 KHz
	128/1241					Sparker
	131/1246					Sparker dup
	133/1250					Airgun
	135/1253					12 KHz
	136/1255					Airgun
	138/1258					Sparker dup
	143/1305					3.5 KHz
	149/1314					Sparker
	149/1315					12 KHz
	150/1317					3.5 KHz
	152/1319					Sparker dup
	152/1319					Airgun
	154/1322		249	6.1		
	155					
1:4	1/1327	81/4/25	149	6.6		12 KHz
						3.5 KHz
		1327:22				Sparker
						Sparker dup
						Airgun 5+40 in^3
						Airgun 5+40 in^3
						12 KHz
						3.5 KHz
						Sparker
						Sparker dup
						Airgun 5+40 in^3
						Airgun 5+40 in^3
14	24/1409					3.5 KHz
	27/1405					Sparker
	37/1434					12 KHz

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.2	R edge		(0-1500m)			P/C
0.5	delay to 1.2					"
.5	TGR 3/4		(469-844m)			PEE/CEE
						down for belt change
						belt change
.2						belt change
0.5	+R edge		(375-750m)			P/C
	delay to .5					P/C
	delay to 1.0					P/C
0.5	+R edge		(375-750m)			P/C
	R edge					P/C
	+R center		(187.5-562.5)			P/C
0.5	+R center		(187.5-562.5)			P/C
	.8 delay					
	R edge		(0-1500m)			
0.5	+R 1/2		(187.5-562.5m)			EOL 13
.5	+R 1/2		(187-562m)			"
1.0	R edge	2500/200	(0-750m)			"
.5	.8 delay	1200/160				"
1.0	2 sec delay	220/120				"
2.0	R edge	220/120	(0-1500m)			"
0.5	+R center		187.5-562.5m			SOL 14
.5	+R 1/2		(187-562m)			"
1.0	R edge	2500/200	(0-750m)			"
.5	.8 delay	1200/160				"
1.0	0.2 sec delay	220/120				"
2.0	R edge	220/120	(0-1500m)			"
.5	TR 1/4		(281-656)			P/C
1.0	TR center		(375-1125)			P/C
.5	TR Edge		(375-750m)			P/C

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SHIP/CRUISE NO./LEG DYRE 81-6, Leg II

CHIEF SCIENTIST Ronald D. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
14	39 / 1438	81/4/25				SPARKER
14	43 / 1444					3.5 KHz
	53 / 1505	-50 → 1458:42				AIR GUN
	53 / 1505					AIR GUN
	62 / 1522					3.5 KHz
	70 / 1530					12 KHz
	70 / 1538					SPARKER
	108 / 1651	-100 → 1635:38				3.5 kHz
14	127 / 1733					12 kHz
14						3.5 kHz
14						SPARKER
14						SPARKER
14						AIR GUN (5 & 40 in^3)
15						AIR GUN (5 & 40 in^3)
15	1 / 1733	81/4/25	166.0	6.3		12 kHz
15						3.5 kHz
15						SPARKER
15						SPARKER
15						AIR GUN (5 & 40 in^3)
15						AIR GUN (5 & 40 in^3)
	4 / 1738					AIR GUN (5 & 40 in^3)
	4 / 1739					SPARKER
						SPARKER
	8 / 1746					SPARKER
	25 / 1815					AIR GUN
	28 / 1820					12 kHz
	35 / 1833					SPARKER
	40 / 1840					3.5 KHz
	40 / 1842					SPARKER
	42 / 1844					AIR GUN
	50 / 1859					
	51 / 1901					

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.5	1.0 sec delay	(relative)				P/C
.5	TR EDGE		(375 - 750 m)			P/C
1.0	0.4 sec delay		(300 - 1050 m)			P/C
1.0	0.5 sec delay		(375 - 1125 m)			P/C
.5	TGR 3/4		(468 - 844 m)			P/C
.5	TTRR Center		(562.5 - 937.5 m)			P/C
.5	1.2 sec delay	(relative)				P/C
.5	TGR 1/4		(656 - 1031 m)			P/C
.5	TTRR Center					EOL 14
.5	TGR 1/4					EOL 14
1.0	TR Center					EOL 14
.5	1.2 sec delay					EOL 14
1.0	4.0 sec fire, 0.5 sec delay	220/120				EOL 14
2.0	4.0 sec fire	220/120				EOL 14
.5	TTRR Center					SOL 15
.5	TGR 1/4					SOL 15
1.0	TR Center					SOL 15
.5	1.2 sec delay					SOL 15
1.0	4.0 sec fire, 0.5 sec delay	220/120				SOL 15
2.0	4.0 sec fire	220/120				SOL 15
2.0	TR 3/4					P/C
1.0						ON LINE
.5						ON LINE
.5	1.4 sec delay	(relative)				P/C
1.0	0.7 sec delay		(525 - 1275 m)			P/C
.5	TTRR edge		(750 - 1125 m)			P/C
1.0	TR EDGE		(750 - 1500 m)			P/C
.5	TGR EDGE		(750 - 1125 m)			P/C
.5	1.65 delay					P/C
1.0	0.9 sec delay		(675 - 1425 m)			P/C
			25 / 26			Tape Change On Line

SHIP/CRUISE NO./LEG GYRE 81-5 Leg II

CHIEF SCIENTIST Ronald J. Miller

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
15	61 / 1918	81/4/25				Sparker
	64 / 1925					SPARKER
	66 / 1929					AIR GUN
	67 / 1930					12 kHz
	69 / 1933					SPARKER
	71 / 1936					3.5 kHz
	75 / 1944					AIR GUN
	77 / 1948	→ 100 @	2026 (046°)			3.5 kHz
	146 / 2144					SPARKER
	153 / 2155	→ 150 @	2150: 24			12 KHz
	156 / 2200					3.5 KHz
	161 / 2209					
	164 / 2213		52	6.2		
						12 KHz
						3.5 KHz
						Sparker
						Sparker
						Air Gun 5+40 in³
						Air Gun 5+40 in³
		22:40:06				
16	1 / 2240		89	5.6		12KHz
						3.5KHz
						Sparker
						Sparker
						Air Gun 5+40 in³
						Air Gun 5+40 in³
	2233					
	1 / 2257					
	38 / 2344					5 in³ airgun

AREA MISSISSIPPI FAN

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.5	1.5 sec delay (relative)					P/C
.5	1.6 sec delay (relative)					P/C
1.0	1.0 sec delay		(750-1500m)			P/C
.5	TTTRRR Center		(937.5 - 1312.5m)			P/C
.5	1.8 sec delay (relative)					P/C
.5	TR 3/4		(844 - 1219m)			P/C
1.0	1.1 sec delay		(825 - 1575 m)			P/C
.5	TR Center		(938 - 1313 m)			P/C
.5	1.6 sec delay (relative)					P/C
.5	TTRR EDGE		(562.5 - 937.5m)			P/C
.5	TR 3/4		(469 - 844 m)			P/C
						airgun down for repairs
.5	TTRR-Edge		(750 - 1125m)			EOL 15
.5	TR 3/4		(844 - 1219m)			"
1.0	TR Edge		(750 - 1500m)			"
.5	1.6 SEC delay (relative)					"
1.0	1.1 SEC delay		(825 - 1575m)			"
2.0	TR 3/4		(375 - 1875m)			"
.5	TTRR Edge		(750 - 1125 m)			SOL 16
.5	TR 3/4		(844 - 1219m)			"
1.0	TR Edge	2500/200	(750 - 1500m)			"
.5	1.6 delay	1200/160				"
1.0	1.1 delay	220/120				"
2.0	TR 1/2		(750 - 2250m)			"
						40 in^3 back on line, 5 in^3 pulled for spring repair
						5 in^3 airgun back on line
						down for repair

SHIP/CRUISE NO./LEG Oyce/81-4/Leg II

CHIEF SCIENTIST R.J. Miller

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
16		81/4/25				
	46/2347					12 KHz
	48/2347					Sparker dup
	52/0007	50 → 0003:40				3.5KHz
16	62/0027					Sparker
	66/0036					Air Gun
	76/0053					Sparker
	81/0100					airguns
	83/0103					12 KHz
	84/0104					3.5KHz
	86/0106					airguns
	87/0109					Sparker
	106/0137	100 → 0128:10				Sparker
	137/0224					3.5 KHz
	137/0224					12 KHz
	142/0232					Air Gun
	146/0239					3.5KHz
	148/0241					12KHz
	153/0248	150 → 0242:48				Sparker
	235/0447	200 → 0356:13				"
	238/0453					12 KHz
	240/0454					Sparker dup
	241/0456					3.5 KHz
	244/0501				985'	12KHz
	263/0528	→ 250 → 0509:32				airgun
	263/0528					3.5 KHz
	266/0529					Sparker
	284/0600					Air Gun
	300/0623	→ 300				AIR GUN
	307/0632					AIR GUN

AREA MISSISSIPPI FAN AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL # START / END	MAGNETICS	COMMENTS
	TTT RRR center					P/C
	delay to 1.9					P/C
	TR 1/4		(1031 - 1406 m)			P/C
						belt change
						5 in^3 gun back on line
1.0	TTRR 1/2	didn't work				P/C
						down for compressor repair
	TTTRRR edge		1125 - 1500			P/C
	TR Edge		(1125 - 1500 m)			P/C
						back on
1.0	TTRR center		(1125 - 1875 m)			P/C worked!!
.5	2.4 sec delay					
	TR+ bR center		1313 - 1688 m			PC
	TTT RRRR center		1312.5 - 1687.5			PC
1.0	1.5 sec delay					P/C
1.0	TRTGR Edge		(1500 - 1875 m)			P/C
.5	TTTRRRR edge		(1500 - 1875 m)			P/C
						change electrodes
1.0	TGR Edge		(1500 - 2250 m)			P/C
	chg to 1 sec sweep					
	.7 delay					
	to TR3/4		1594 - 1969 m			
	TTRR edge		(1500 - 2250)			
	TR 1/4		(1125 - 2625 m			
1/2	TR 1/4		(1782 - 2157)			
	.9 delay					
1.0	2.1 sec delay					P/C
2.0	TR Edge		(1500 - 3000 m)			P/C
1.0	2.3 sec delay		(1725 - 2475 m)			P/C

SHIP/CRUISE NO./LEG GYRE/81-A/LEG II

CHIEF SCIENTIST RJ MILLER

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
16	329/0705	81/4/26	90	6.0		12KHz
						3.5 KHz
						SPARKER
						SPARKER
						AIRGUN 5x40in³
17	1/0715	81/4/26	290.	7.2		12 KHz
						3.5KHz
						SPARKER
						SPARKER
						AIRGUN 5x40in³
						AIRGUN 5x40in³
	25/0752					SPARKER
	22/0752					SPARKER
	60/0833	— 50 →	0621:41			SPARKER
	79/0911					SPARKER
	79/0911					SPARKER
	80/0913					12 kHz
	127/1021	— 100 →	0941:56			SPARKER
	127/1021					12 kHz
	129/1022					3.5 KHz
	131/1025					SPARKER
	132/1027					SPARKER
	135/1032					SPARKER
	177/1132	— 150 →	1053:26			SPARKER
	178/1133					3.5KHz
	183/1140					AIRGUN
	189/1149					SPARKER
	191/1152					SPARKER
	194/1154					3.5 KHz
	210/1218	— 200 →	1204:15			AIRGUN
	211/1219					12 kHz

AREA MISSISSIPI FAN AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
1.00	TTRR EDGE	(1500 - 2250m)				EOL 16
.50	TR 1/4	(1782 - 2157m)				EOL 16
1.0	TGR EDGE	(1500 - 2250m)				EOL 16
.50	0.9 Delay	(RELATIVE)				EOL 16
2.0	FIRE 4.0	(1500 - 3000 m)				EOL 16
1.00	TTRR EDGE	(1500 - 2250m)				SOL 17
.50	TR 1/4	(1782 - 2157m)				SOL 17
1.0	TGR EDGE	(1500 - 2250m)				SOL 17
.50	0.9 DELAY	(RELATIVE)				SOL 17
1.0	2.3 delay	(1725 - 2475m)				SOL 17
2.0	TR EDGE	(1500 - 3000 m)				SOL 17
.5	1.1 sec delay					P/C
1.0	TR 3/4	(1688 - 2438 m)				P/C
.5	1.0 sec delay					P/C
.5	1.1 sec delay					P/C
1.0	TR EDGE	(1875 - 2250m)				P/C
1.0	TTTRRR center	(1875 - 2625m)				P/C
.5	1.0 sec delay					P/C
1.0	TTRR Edge	(1500 - 2250 m)				P/C
.5	TR 1/4	(1782 - 2157 m)				P/C
						Belt change
						Back on Line
.5	0.9 sec delay					P/C
.5	0.8 sec delay					P/C
.5	TR CENTER	(1688 - 2063 m)				P/C
1.0	2.1 sec delay	(1575 - 2325 m)				P/C
.5	0.7 sec delay					P/C
1.0	TGR EDGE	(1500 - 2250 m)				P/C
.5	TR 3/4	(1594 - 1969 m)				P/C
1.0	1.9 sec delay					P/C
1.0	TTRR Center	(1125 - 1875 m)				P/C

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
17	211/1220					SPARKER
	215/1226					AIR GUN
	211/1228					SPARKER
	219/1230					3.5 KHz
	240/1301					AIR GUN
	241/1307					Sparker
	249/1312					3.5KHZ
	250/1314	→ 250				Sparker
	255/1321					Sparker
	307/1440	← 300 →	1429:22			Sparker
	309/1443					Air Gun
	316/1453			→	(570' @ 1553)	Sparker
	336/1521	← 350 →	1546:47			Sparker
	426/1745	← 400 →	1704:34			Sparker 1/1
	440/1808					3.5
	441/1809					Sparker
	443/1813					Air Gun
	452/1828	← 450 →	1824:40			
	480/1912		237	5.0	EOL 17	
						12KHZ
						3.5KHZ
						Sparker
						Sparker
						Air Gun
						Air Gun

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
.5	0.4 sec delay (relative)					P/C
2.0	TR 1/4		(1125 - 2625m)			P/C
1.0	TGR 1/4		(312 - 2062)			P/C
.5	TRTGR 1/4		(1406 - 1782m)			P/C
1.0	1.7 sec delay		(1275 - 2025m)			P/C
	.2 delay					
	TR+TGR 3/4		(1219 - 1594 m)			
						change electrodes
						cut tips
1.0	TGR 3/4					P/C
1.0	1.4 sec delay					P/C
.5	0 delay					P/C
	.2 delay					P/C
0.5	0.0 delay					P/C
"	0.3 delay					P/C
.5	TRTGR 1/4		(1406 - 1782m)			P/C
1.0	TGR 1/4		( )			P/C
1.0	1.6 delay					P/C
1.0	TTRR center		(1125 - 1875m)			EOL #17
.5	TRTGR 1/4		(1406 - 1782m)			"
1.0	TGR 1/4	2500/200				"
.5	0.3 sec delay	relative 1200/100				"
1.0	1.6 sec delay	"				"
20	TR 1/4	220/120	(1125 - 2625m)			"

SHIP/CRUISE NO./LEG

CHIEF SCIENTIST

LINE START / END	SP / TIME	YYMMDD	CRS/HDG	SPD	NAVIGATION	SEISMIC SYSTEM
18	1/0800	81/04/27	287	7.5		
	0810		288	6.6		magnetics
	0814					"
18	42/0915	81/04/27	278	6.6	EOL 18	
19						3.5 KHz
						12 KHz
19	1/1200		281	6.9		
19	38/1302	81/04/27				3.5 KHz
						12 KHz
20	1/1417	81/04/27	180	8.2		3.5 kHz
						12 kHz
20	87/1620		183			3.5 kHz
						12 kHz
21	1/1717	81/04/27	270	7.5		3.5 kHz
						12 kHz
21	42/1811	81/04/27	272	7.4		3.5 kHz
						12 kHz
22	/	81/04/27				3.5 kHz
						12 kHz
22	1/2057	81/04/27	335	8.9		
	46/2208		13			
	47/2209		357	5.5	EOL 22	3.5 KHz
						12 KHz
23	1/2320		266	8.1	SOL 23	3.5 KHz
				8.0		12 KHz
	56		269	8.0	EOL 23	
						3.5 KHz
						12 KHz

AREA

TIME ZONE

SWP	PROGRAM / SCALE	FILTER HI/LO	TAPE NO. START / END	DATA ROLL# START / END	MAGNETICS	COMMENTS
						system off to detect streams
						system back on
0.5	R-edge	(0-375m)				EOL 18
.5	R-edge		(0-375m)			EOL 18
.5	R-edge	(0-375m)				EOL 19
.5	R-edge	(0-375m)				
.5	R-edge	(0-375m)				SOL 20
.5	R-edge					SOL 20
.5	R-edge	(0-375m)				EOL 20
.5	R-edge					EOL 20
.5	R-edge	(0-375m)				SOL 21
.5	R-edge					SOL 21
.5	R-edge	(0-375m)				EOL 21
.5	R-edge					EOL 21
.5	R-edge	(0-375m)				SOL 22
.5	R-edge					SOL 22
.5	R-edge	(0-375m)				EOL 22
.5	R-edge					EOL 22
.5	R-edge	(0-375m)				SOL 23
.5	R-edge					SOL 23
.5	R-edge	(0-375m)				EOL 23
.5	R-edge					EOL 23

END OF G-81-5-2

SHIP/CRUISE NO./LEG ______________________

CHIEF SCIENTIST ______________________

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