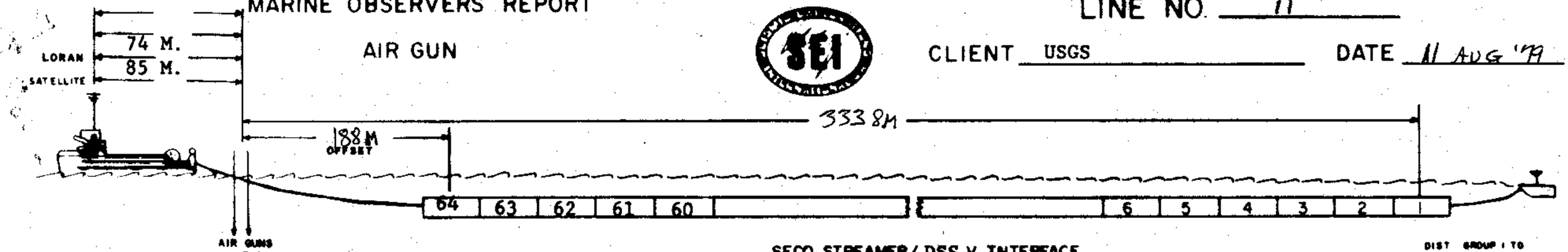
MARINE OBSERVERS REPORT

LINE NO. 11

AIR GUN

CLIENT USGS

DATE 11 AUG '79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 60°

NO. OF ACTIVE SECTIONS 32 ACTIVE SECTION LENGTH 100 M. GEO./GRP 64

DISTANCE FROM CENTER OF SOURCE TO CENTER OF NEAR STATION 188 M

GROUP INTERVAL 50 M. S.P. INTERVAL 50 M. POP INTERVAL 50 M.

NO AND VOLUME OF AIR GUNS 21/2183 Cu. In.

AIR GUN DEPTH 7 M.

NAVIGATION Satellite Navigation/Doppler Sonar with Loran C

REMARKS All times GMT
SP819 - Last good shot point; broke line # due to compressor failure.
SP820 - 826 are No good (File #826 is last on tape)

REFERENCE VOLTAGE: 400 uv

1st SP 1 FILE # 001 REEL # 236 TIME: 0114 GMT

LAST SP 819 FILE # 819 REEL # 245 TIME: 0505 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 8 Secs.

MULTIPLEX: 32 ___ 64 ___ 128 X BPI 1600 SAMPLE RATE 4 Ms.

GAIN MODE IFP GAIN CONSTANT 24 db

HC FILTER 62 Hz Slope 80 db/oct. LC FILTER 9 Hz Slope 18 db/oct.

STREAMER SENSITIVITY 100 uv/ub

SYSTEM POLARITY: circle appropriate term

Geophone Output		Digital Tape		Camera Monitor		Section Plotter	
+	−	+	−	up	down	black	white

REMARKS: Time break overide: 64 ms.
Fathometer recordings draft compensated

FATHOMETER: TYPE Raytheon Bathymetric DEPTH 4 M.

MAGNETOMETER TYPE ___ DEPTH ___

SUB-BOTTOM PROFILER: ___

SECTION PLOTTER: Tr 64 Each 1 Pop. 4 Secs.

TYPE Raytheon LSR-1811

TAPE CHANNEL ASSIGNMENT

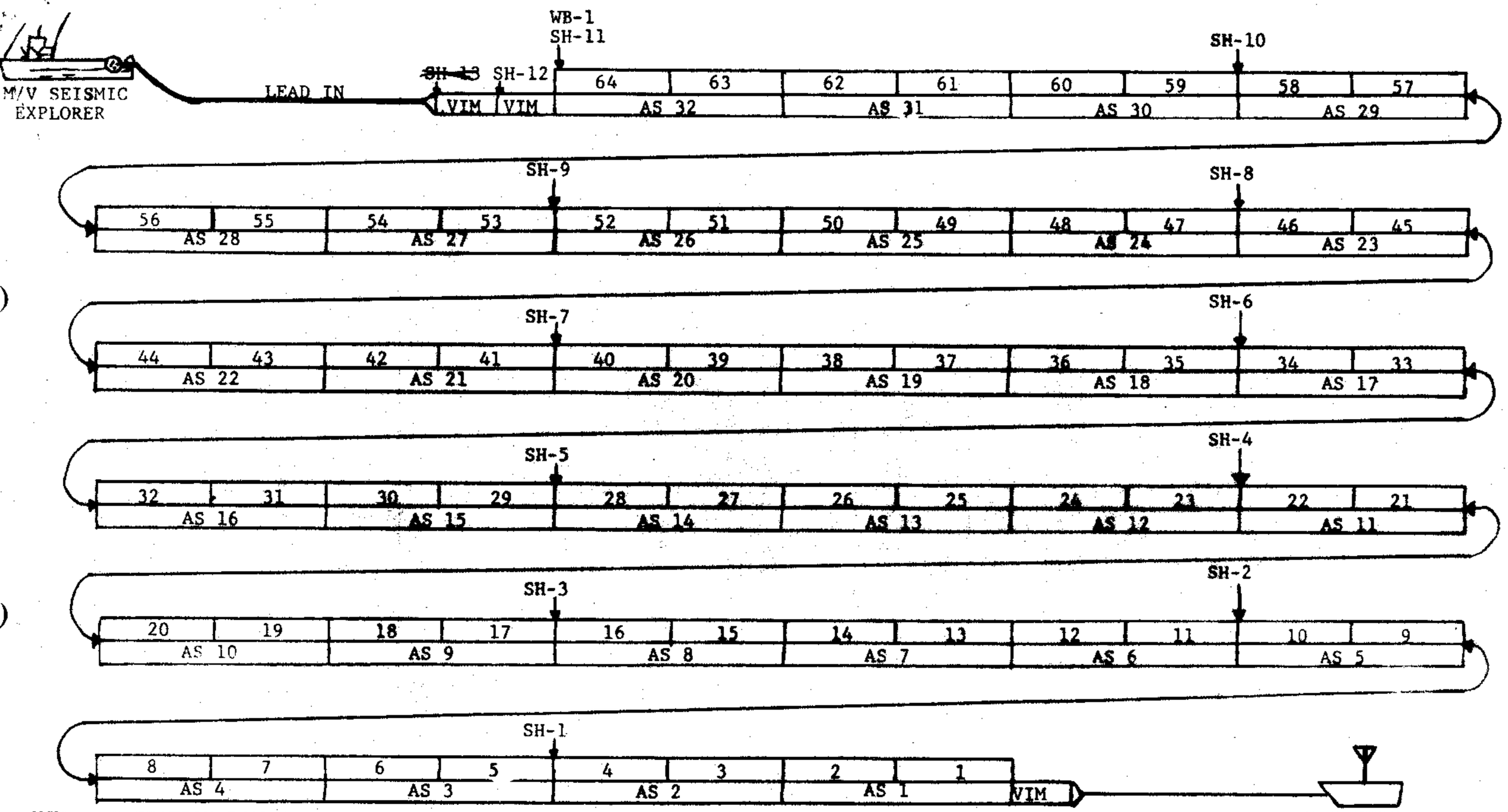
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 Pop

MONITOR TRACE ASSIGNMENT

Trace(s)	INFORMATION
1-48	Seismic Data
49	TIME BREAK
50	Gun Phone Sum
51	W/B Sum
52	File Number
53	50 Hz.

OBSERVER Hunter / Hutchins



VIM = VIBRATION ISOLATION MODULE
AS = ACTIVE SECTION
1-64 = 50 METER GROUPS
SH = SEAHAWK DEPTH CONTROLLER
WB = WATER BREAK

OBSERVER'S LOG

AREA: GULF OF MEXICO
LINE No. 11 DATE: 11 AUG 79
CLIENT: USGS
BASE COURSE: 060°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 236-245

KEY
BOT = Beginning of Tape
EOT = End of Tape
PE = Parity Error
AF = Autofire

SP No.	FILE No.	TIME (GMT)	STREAMER DEPTH (FEET) 1	2	3	4	5	6	7	8	9	10	11	12	SHIP's HDG.	TAIL BOUY	WATER DEPTH (FEET)	REEL No.	TRANS PORT	REMARKS
	000																	236	2	CABLE NOISE
1	001	0114	X	32	32	28	30	29	30	31	30	31	30	29	058°	181°	262			FIRST SHOT OF LINE
40	040	0126	X	32	32	28	32	31	30	29	29	30	29	29	060°	180°	248			
80	080	0137	X	30	30	29	31	28	29	30	30	30	29	29	058°	180°	230			
85	085																	236	2	EOT
86	086																	237	1	BOT
120	120	0149	X	30	30	30	29	31	29	29	30	30	29	29	059°	180°	198			
160	160	0200	29	30	31	29	29	28	28	30	30	30	29	29	059°	180°	182			
170	170																	237	1	EOT
171	171																	238	2	BOT
200	200	0210	30	29	30	30	29	30	30	30	30	31	30	30	059°	181°	183			
240	240	0221	29	30	30	29	29	30	30	30	30	32	32	31	063°	178°	201			
255	255																	238	2	EOT
256	256																	239	1	BOT
280	280	0233	29	29	29	28	29	33	31	30	30	30	32	32	064°	177°	200			
320	320	0244	29	29	29	28	28	27	27	29	29	31	31	31	062°	180°	198			
340	340	[illegible]																239	1	EOT
341	341																	240	2	BOT
360	360	0255	29	29	29	28	28	29	29	30	30	32	32	32	066°	178°	197			
400	400	0307	29	30	30	29	28	31	30	30	30	32	32	32	064°	180°	196			
425	425																	240	2	EOT
426	426																	241	1	BOT
440	440	0319	29	29	30	29	29	31	29	28	29	31	31	31	065°	180°	193			
480	480	0330	29	29	30	29	29	32	31	31	31	32	31	31	063°	180°	187			
510	510																	241	1	EOT
511	511																	242	2	BOT
520	520	0342	29	29	31	30	29	32	31	29	29	30	30	30	065°	178°	181			
560	560	0353	29	29	29	28	29	29	29	29	29	30	31	31	061°	182°	181			
595	595																	242	2	EOT
596	596																	243	1	BOT
600	600	0404	29	30	31	29	28	29	30	29	30	30	31	30	63°	182°	178			
640	640	0415	29	30	31	29	28	28	29	30	30	32	31	31	64°	182°	170			
680	680	0426	29	29	29	28	28	28	28	29	30	31	33	32	65°	179°	173	243	1	EOT
681	681																	244	2	BOT
720	720	0437	29	29	29	28	28	28	27	28	29	31	33	33	62°	181°	168			
760	760	0448	29	29	30	28	29	31	32	30	29	30	30	30	61°	181°	164			
765	765																	244	2	EOT
766	766																	245	1	BOT
800	800	0500	29	28	28	28	29	29	30	29	29	30	30	30	62°	180°	154			
819	819	0505	BROKE LINE DUE TO Compressor Failure																	Last good shot point
826	826	0507	FILES 820 through 826 (inclusively) ARE no good.																	Last File on Tape Two Tape Marks

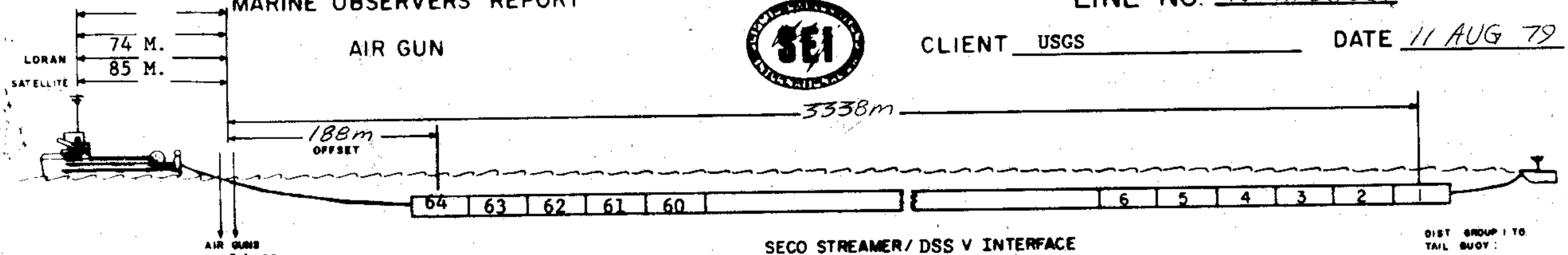
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 11 RESHOOT

CLIENT USGS

DATE 11 AUG 79



SAT NAV ANTENNA HGT 14 M. ABOVE GEOID

AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 060°

NO OF ACTIVE SECTIONS 32 ACTIVE SECTION LENGTH 100 M. GEO./GRP. 64

DISTANCE FROM CENTER OF SOURCE TO CENTER OF NEAR STATION 188m

GROUP INTERVAL 50 M. S.P. INTERVAL 50 M. POP INTERVAL 50 M.

NO. AND VOLUME OF AIR GUNS 21/2183 Cu. In.

AIR GUN DEPTH 7 M.

NAVIGATION Satellite Navigation/Doppler Sonar with Loran C

REMARKS All times GMT

REFERENCE VOLTAGE: 400 uv

1st SP 787A FILE # 001 REEL # 246 TIME: 1102 GMT

LAST SP 1310 FILE # 524 REEL # 252 TIME 1339 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 8 secs.

MULTIPLEX: 32 __ 64 __ 128 X BPI 1600 SAMPLE RATE 4 Ms.

GAIN MODE IFP GAIN CONSTANT 24 dbs

HC FILTER 62 Hz Slope 80 db/oct. LC FILTER 9 Hz Slope 18 db/oct.

STREAMER SENSITIVITY 100 uv/ub

SYSTEM POLARITY: circle appropriate term

Geophone Output		Digital Tape		Camera Monitor		Section Plotter	
+	−	+	−	up	down	black	white

REMARKS: Time break overide: 64 ms.
Fathometer recordings draft compensated

FATHOMETER: TYPE Raytheon Bathymetric DEPTH 4 M.

MAGNETOMETER TYPE ____ DEPTH ____

SUB-BOTTOM PROFILER ____

SECTION PLOTTER: Tr 64 Each 1 Pop. 4 Secs.

TYPE Raytheon LSR-1811

TAPE CHANNEL ASSIGNMENT

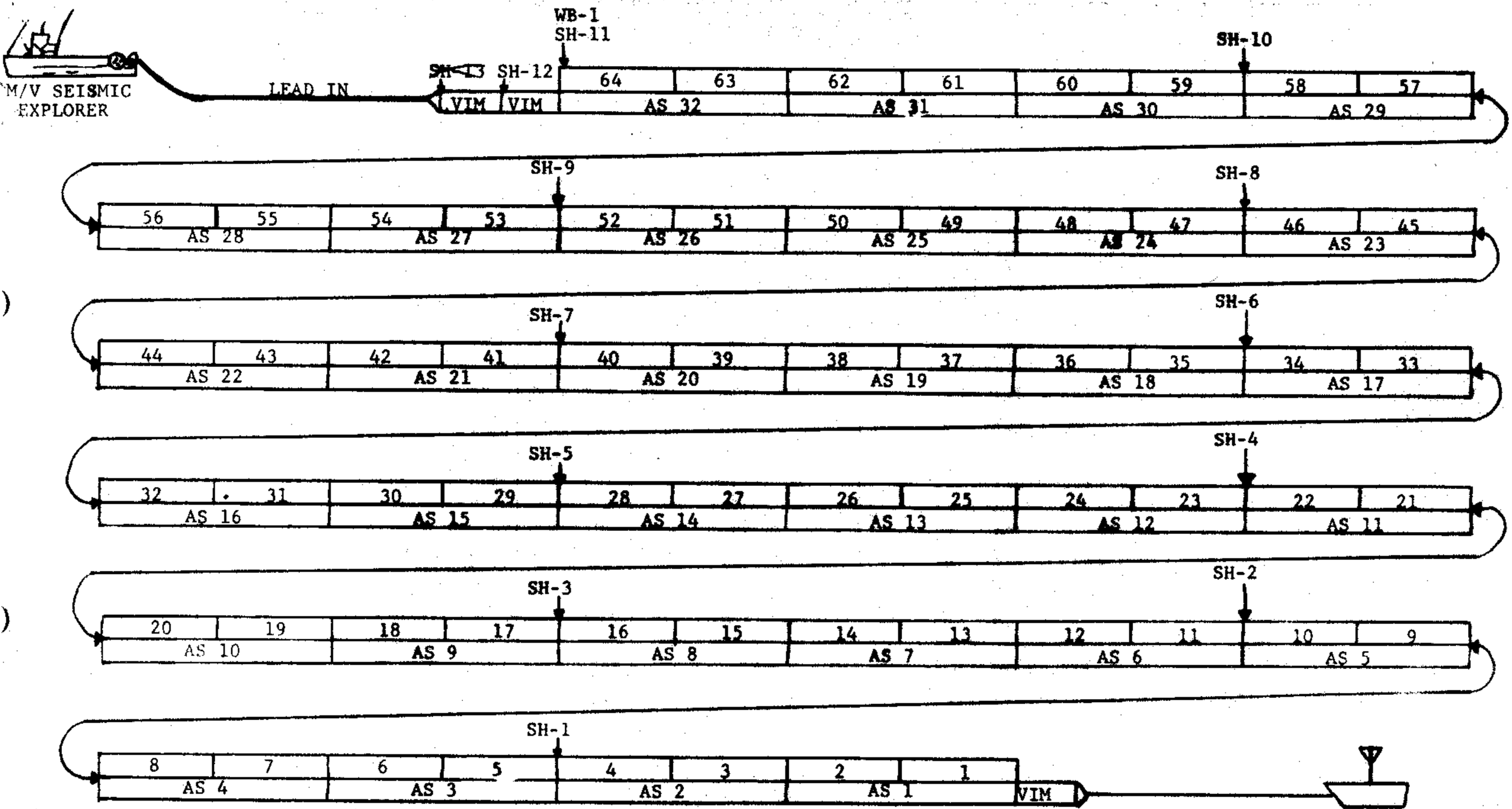
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 Pos

MONITOR TRACE ASSIGNMENT

Trace(s)	INFORMATION
1-48	Seismic Data
49	TIME BREAK
50	Gun Phone Sum
51	W/B Sum
52	File Number
53	50 Hz

OBSERVER HUNTER/HUTCHINS



VIM = VIBRATION ISOLATION MODULE
AS = ACTIVE SECTION
1-64 = 50 METER GROUPS
SH = SEAHAWK DEPTH CONTROLLER
WB = WATER BREAK

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 11 Rehot DATE: 11 AUG '79
CLIENT: USGS
BASE COURSE: 60°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 246 - 252

KEY
BOT = Beginning of Tape
EOT = End of Tape
PE = Parity Error
AF = Autofire

SP No.	FILE No.	TIME (GMT)	STREAMER DEPTH (FEET) 1	2	3	4	5	6	7	8	9	10	11	12	SHIP's HDG.	TAIL BOUY	WATER DEPTH (FEET)	REEL No.	TRANS PORT	REMARKS
	000																	246	2	BOT CABLE NOISE
787A	001	1102	28	29	29	32	30	31	33	32	31	32	31	29	59°	181°	163			
819A	033	1112																		Last 'A' shot point
826	040	1113	29	29	29	32	31	32	32	32	30	31	30	28	58°	181°	158			
866	080	0125	28	29	29	32	29	27	28	30	29	30	30	28	60°	177°	147			
871	085																	246	2	EOT
872	086																	247	1	BOT
906	120	1136	29	29	30	32	30	29	29	31	29	31	30	29	58°	178°	149			
946	160	1148	28	28	29	31	31	30	27	29	29	31	30	29	60°	175°	149			
956	170																	247	1	EOT
957	171																	248	2	BOT
986	200	1200	28	28	27	29	30	30	31	31	29	31	31	29	63°	175°	144			
1026	240	1213	28	29	29	31	30	28	27	30	29	31	31	29	65°	175°	140			
1041	255																	248	2	EOT
1042	256																	249	1	BOT
1066	280	1225	28	29	28	31	31	32	33	32	31	33	31	29	57°	183°	131			
1106	320	1238	28	29	30	32	30	30	29	31	30	31	30	28	64°	177°	100			
1126	340																	249	1	EOT
1127	341																	250	2	BOT
1146	360	1250	28	29	29	30	30	29	30	31	30	31	30	29	64°	176°	122			
1186	400	1302	29	29	29	31	30	31	29	32	31	32	30	28	59°	180°	126			
1211	425																	250	2	EOT
1212	426																	251	1	BOT
1226	440	1314	29	30	29	31	31	32	32	33	31	31	30	28	57°	181°	123			
1266	480	1326	29	29	30	32	31	31	31	32	31	31	30	28	57°	178°	119			
1296	510																	251	1	EOT
1297	511																	252	2	BOT
1306	520	1338	29	29	29	31	30	29	30	32	31	32	31	29	55°	185°	120			
1310	524	1338																		LAST SHOT OF LINE
	525																			CABLE NOISE
																				two tape marks