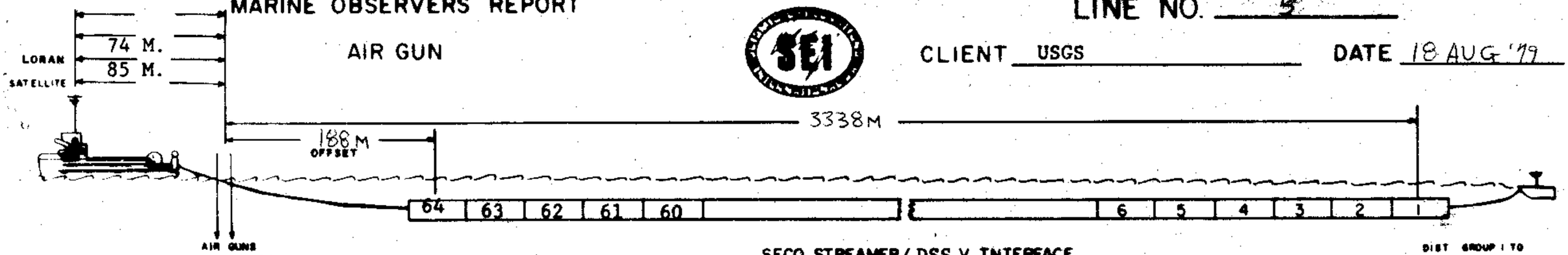
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 3

CLIENT USGS

DATE 18 AUG '79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 17°

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

REFERENCE VOLTAGE: 400 uv

1ST SP 1 FILE # 001 REEL # 370 TIME: 0039 GMT

LAST SP 755 FILE # 755 REEL # 378 TIME: 0426 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 18 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 override: 64 ms.
Fathometer recordings draft compensated

FATHOMETER: TYPE Raytheon Bathymetri 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

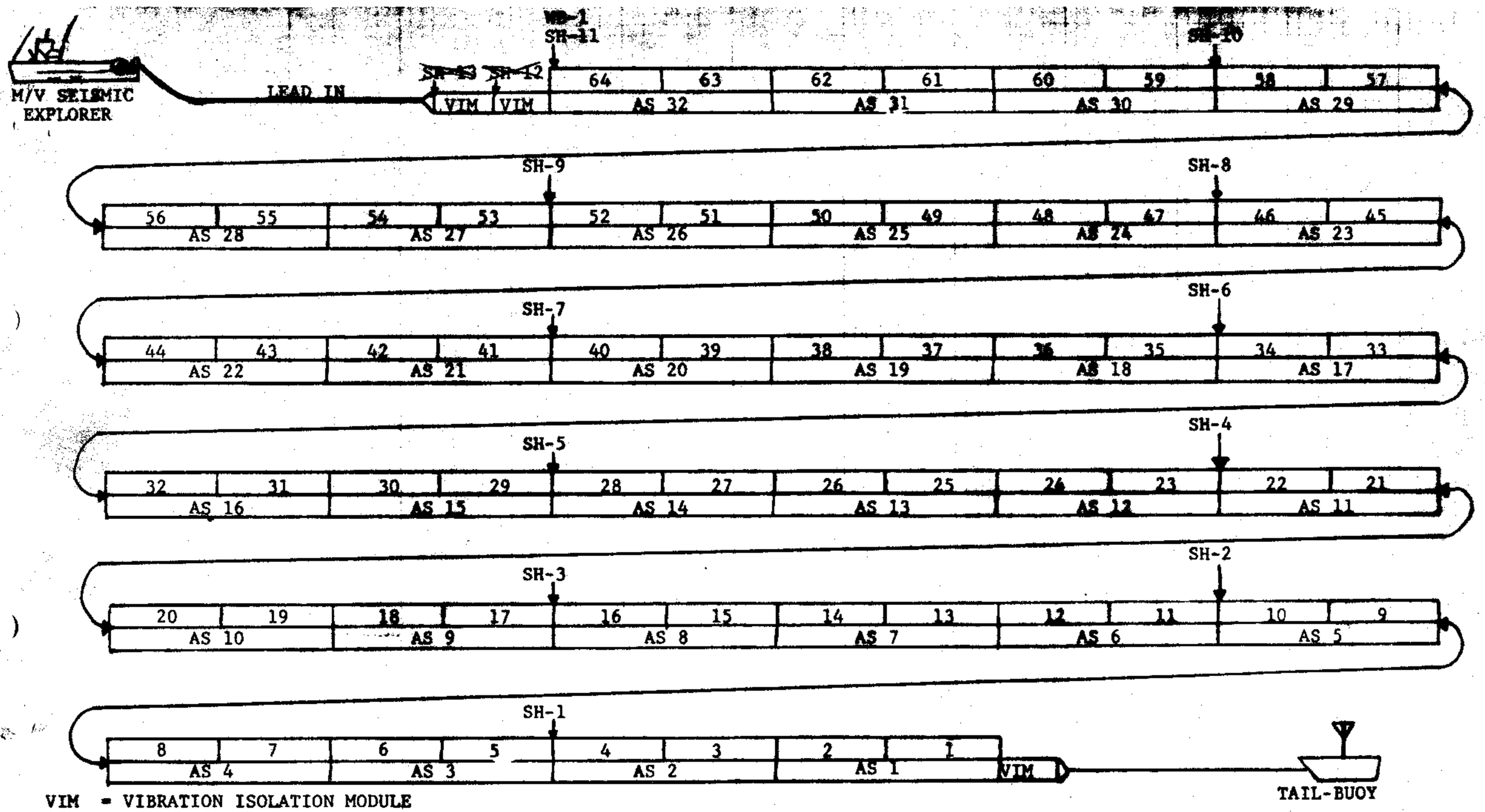
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

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/ABERNETHY



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. 5 DATE: 18 AUG'79
CLIENT: USGS
BASE COURSE: 17°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 2
REEL No. 370-377

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 (METRES)	REEL No.	TRANS PORT	REMARKS
	000																	370	2	BOT CABLE NOISE
1	001	0039	32	31	32	31	31	29	30	32	30	28	29	X	16°	180°	400			First shot of Line
40	040	0050	32	31	32	31	31	30	31	32	29	28	29	X	16°	177°	386			
80	080	0102	32	31	32	31	31	29	29	31	28	27	28	X	16°	174°	371			
85	085																	370	2	EOT
86	086																	371	1	BOT
120	120	0114	32	31	32	30	30	29	29	32	29	31	29	X	17°	177°	356			
160	160	0126	32	31	32	31	31	30	30	32	30	31	29	X	15°	182°	338			
170	170																	371	1	EOT
171	171																	372	2	BOT
173	173																			PE
200	200	0137	31	31	32	31	30	29	30	31	30	30	28	X	13°	182°	321			
240	240	0149	31	32	32	31	31	30	30	32	30	29	27	X	12°	181°	307			
255	255																	372	2	EOT
256	256																	373	1	BOT
280	280	0201	31	31	32	32	31	30	29	32	30	29	27	X	12°	180°	287			
320	320	0212	31	31	31	30	30	29	30	32	30	30	28	X	12°	181°	261			
340	340																	373	1	EOT
341	341																	374	2	BOT
360	360	0224	31	31	32	32	31	30	31	31	29	30	28	X	12°	180°	229			
381	381																			PE
400	400	0236	31	31	31	30	30	28	30	31	30	31	28	X	11°	181°	230			
425	425																	374	2	EOT
426	426																	375	1	BOT
440	440	0248	31	31	32	31	30	29	30	32	30	30	28	X	10°	182°	231			
480	480	0259	31	31	31	30	30	29	31	32	30	31	29	X	8°	184°	235			
510	510																	375	1	EOT
511	511																	376	2	BOT
520	520	0312	31	31	32	32	31	30	31	31	30	30	28	X	7°	189°	222			
560	560	0324	31	31	31	31	31	31	32	32	30	32	29	X	7°	189°	216			
568	568																			PE
595	595																	376	2	EOT
596	596																	377	1	BOT
600	600	0336	31	31	32	32	32	31	31	32	30	31	29	X	8°	187°	207			
640	640	0349	31	31	32	32	32	30	31	32	30	31	28	X	8°	186°	175			

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 5 DATE: 18 AUG 79
CLIENT: USGS
BASE COURSE: 17°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 377-378

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 (METERS)	REEL No.	TRANS PORT	REMARKS
680	680	0401	31	31	31	31	30	29	30	31	30	31	28	X	7°	187°	160	377	1	EOT
681	681																	378	2	BOT
720	720	0414	31	31	31	31	31	30	31	32	31	32	29	X	6°	189°	153			
755	755	0426																		Last shot point
	756																			CABLE NOISE Two Tape Marks