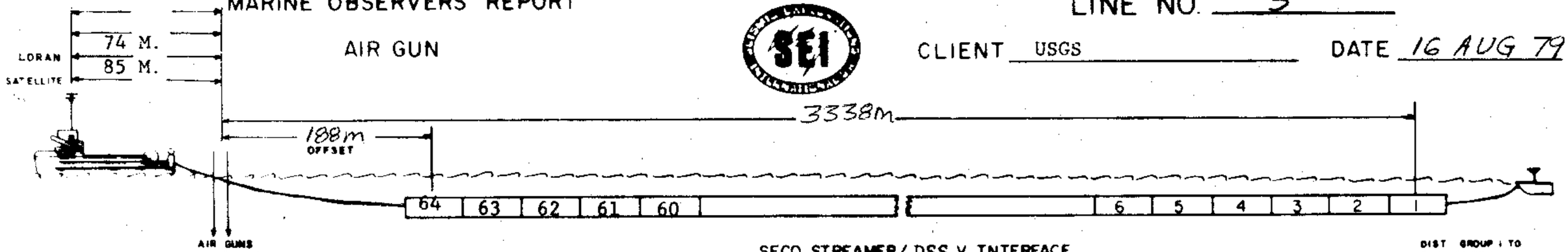
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 3

CLIENT USGS

DATE 16 AUG 79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 97°

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
SP 902 - BENDING LINE to port TO AVOID VESSEL AT ANCHOR
SP 1013 - SP 1039 - BEND IN CABLE

REFERENCE VOLTAGE: 400 uv

1st SP 712 FILE # 712 REEL # 334 TIME 0512 GMT

LAST SP 1241 FILE # 0241 REEL # 340 TIME 0803 GMT

CLIENT REPRESENTATIVE Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 12 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

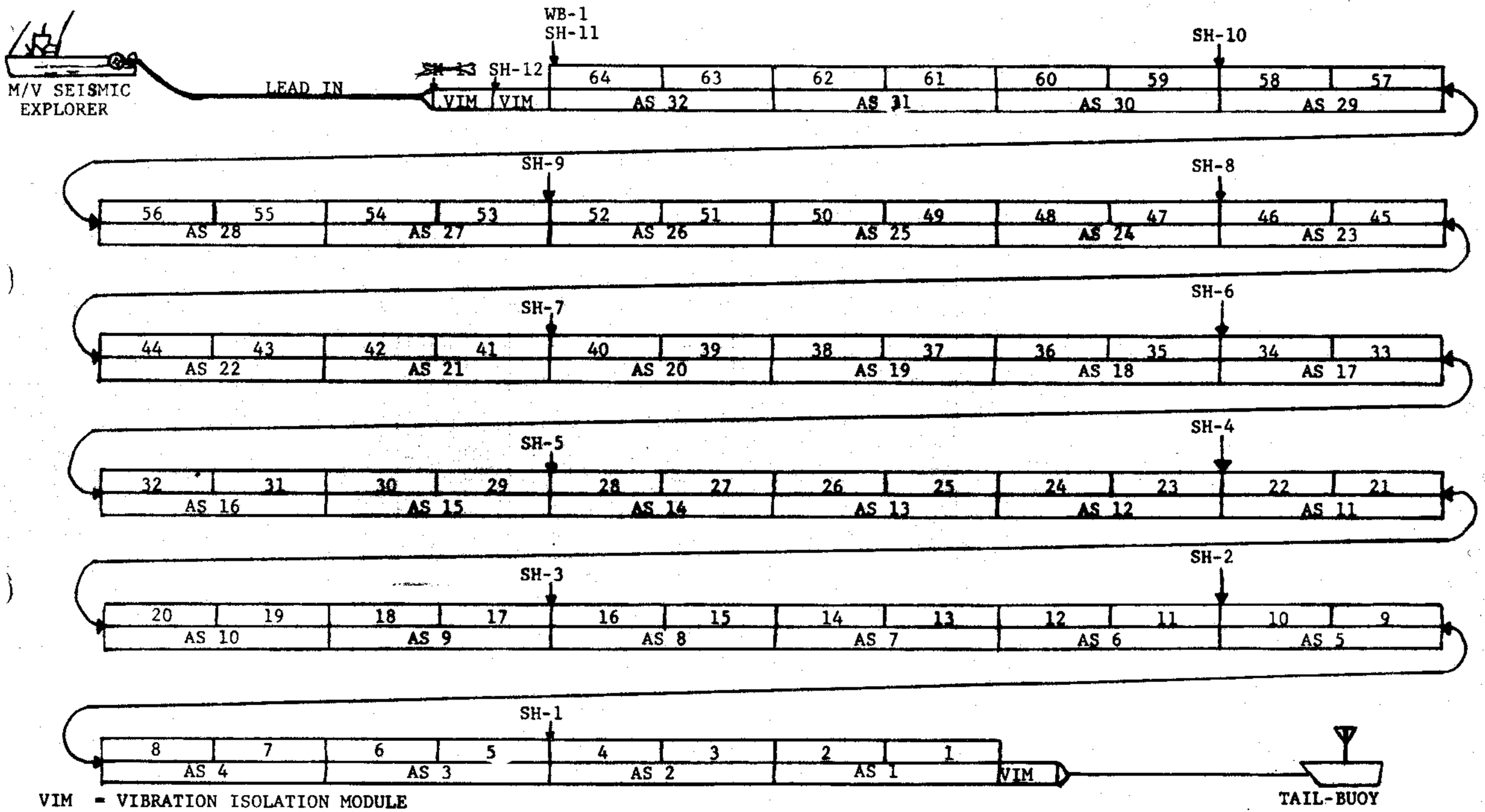
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 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 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. 3 DATE: 16 AUG 79
CLIENT: USGS
BASE COURSE: 97°
LOCATION: MAFLA OCS

SEI INTERNATIONAL

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 334-340

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
712	712	0512	POGLEG FROM LINE Z															334	2	FIRST SHOT OF LINE
720	720	0515	31	29	31	31	31	31	31	30	29	30	29	31	084°	190°	242	334	2	
760	760	0526	31	29	31	31	31	30	29	29	32	31	30	31	085°	188°	235			
795	795																	334	2	EOT
796	796																	335	1	BOT
800	800	0538	31	30	32	32	31	30	30	29	32	31	31	31	85°	188°	223			
840	840	0550	31	29	31	31	31	31	29	29	32	32	33	33	82°	192°	210			
880	880	0602	31	30	31	31	29	29	28	29	32	32	33	33	81°	192°	193	335	1	EOT
881	881																	336	2	BOT
902	902		TURNING OFF to PORT to AVOID ANCHORED VESSEL																	
920	920	0614	31	29	30	31	30	31	33	29	32	31	29	29	69°	202°	172			
960	960	0628	31	29	30	29	28	28	27	28	31	30	29	29	[redacted]	[redacted]	156			
965	965																	336	2	EOT
966	966																	337	1	BOT
1000	000	0641	30	29	30	30	30	31	31	28	30	29	29	29	—	—	150			
1013	013		TURNING FURTHER port to AVOID ANCHORED VESSEL																	
			BEND IN CABLE																	
1039	039		CABLE STRAIGHT																	
1040	040	0658	30	29	30	31	32	32	30	31	31	28	29	30	—	—	144			
1050	050																	337	1	EOT
1051	051																	338	2	BOT
1080	080	0711	31	29	32	32	32	31	30	32	31	28	29	29	—	—	143			
1120	120	0723	31	29	31	32	31	31	29	32	31	28	29	29	99°	172°	137			
1135	135																	338	2	EOT
1136	136																	339	1	BOT
1160	160	0736	31	29	30	31	30	29	30	31	30	28	31	31	100°	183°	137			
1200	200	0750	31	29	31	30	30	30	31	31	31	28	31	31	100°	184°	137			
1220	220																	339	1	EOT
1221	221																	340	2	BOT
1240	240	0803	31	29	30	30	30	30	31	31	30	28	30	31	100°	187°	136			
1241	241	0803																		LAST SHOT OF LINE
	242																			CABLE NOISE
																				TWO TAPE MARKS