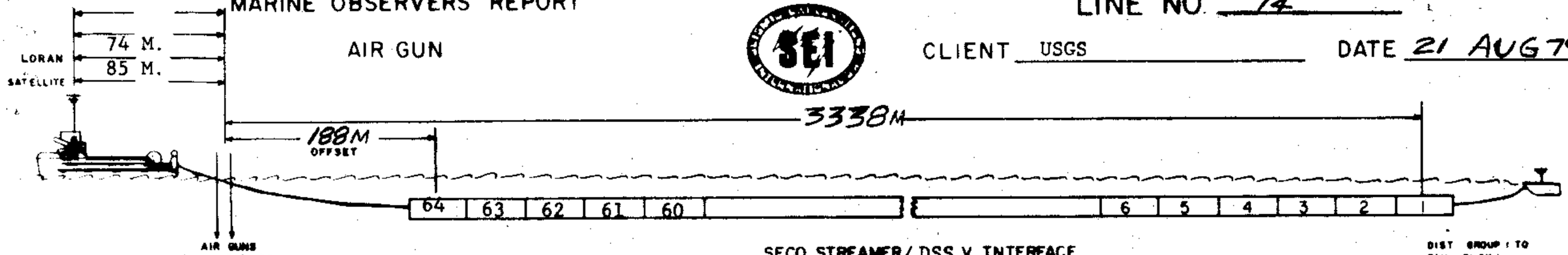
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 14

CLIENT USGS

DATE 21 AUG 79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 115°

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
SP4 - 147 CU IN GUN OUT

REFERENCE VOLTAGE: 400 uv

1st SP 1 FILE# 001 REEL # 477 TIME: 0146 GMT

LAST SP 657 FILE# 657 REEL # 484 TIME: 0457 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 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

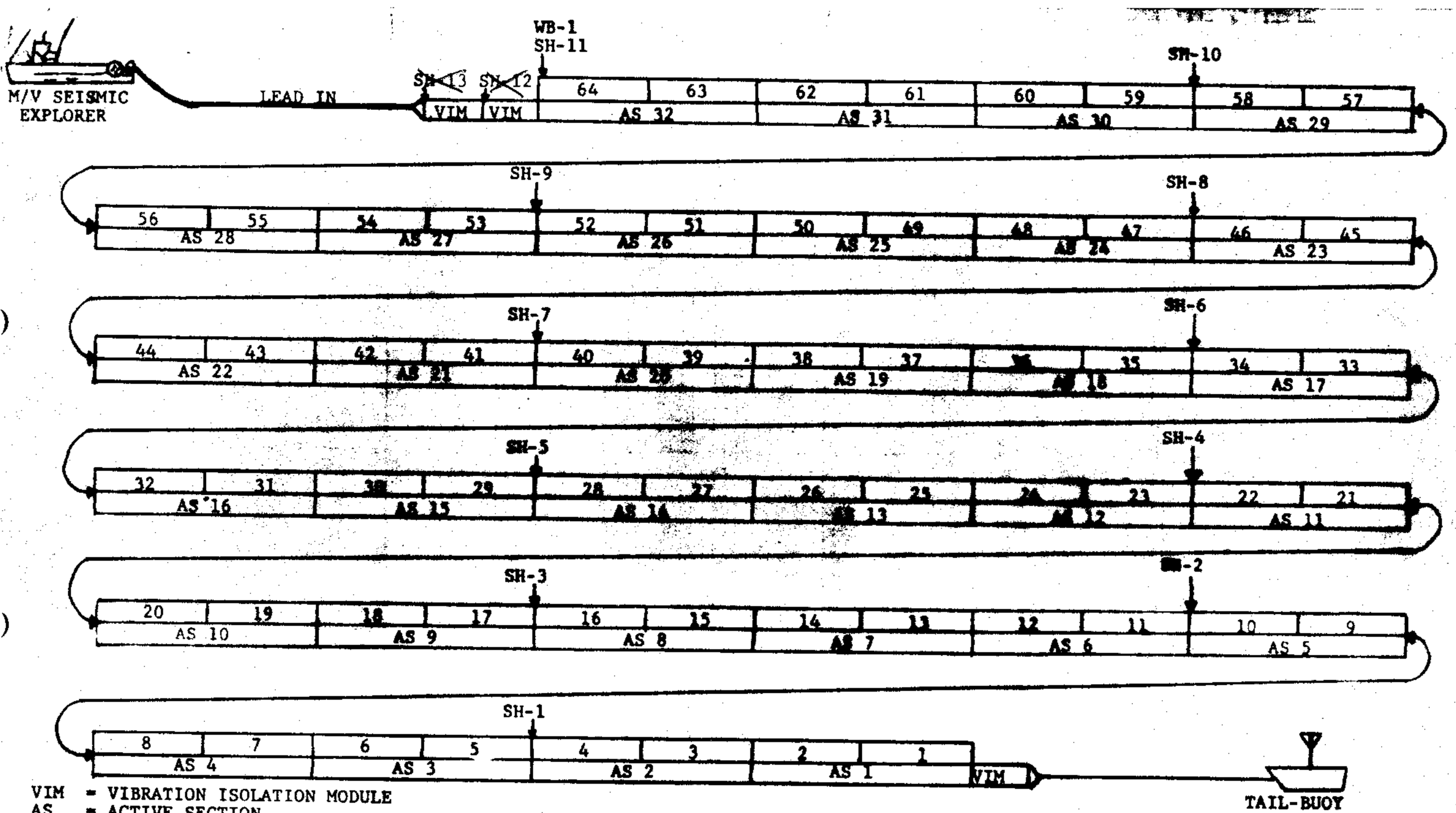
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

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 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: [redacted] DATE: 21 AUG 79
CLIENT: USGS
BASE COURSE: 115°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 477-484

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																	477	1	CABLE NOISE
1	001	0146	29	30	31	31	30	29	30	30	31	31	30	X	119°	177°	124			FIRST SHOT OF LINE
4	004		TURN OFF						147				CU IN		GUN.					
40	040	0158	28	29	29	30	32	33	33	30	30	30	30	X	118°	178°	124			
80	080	0209	29	30	31	32	31	33	33	31	31	30	28	X	118°	181°	122			
85	085																	477	1	EOT
86	086																	478	2	BOT
120	120	0220	28	30	31	30	30	28	27	29	31	30	29	X	117°	181°	120			
160	160	0232	28	30	31	31	30	29	27	28	29	28	28	X	117°	180°	120			
170	170																	478	2	EOT
171	171																	479	1	BOT
200	200	0243	28	30	30	31	31	31	32	30	32	30	29	X	117°	179°	118			
240	240	0255	29	30	31	32	32	32	32	30	30	29	29	X	116°	179°	117			
255	255																	479	1	EOT
256	256																	480	2	BOT
280	280	0306	28	30	30	31	31	29	29	28	30	29	29	X	116°	181°	116			
320	320	0318	28	29	29	30	31	31	31	29	30	28	28	X	117°	179°	115			
340	340																	480	2	EOT
341	341																	481	1	BOT
360	360	0329	28	28	29	29	30	30	30	30	32	31	29	X	115°	180°	113			
400	400	0341	28	30	30	31	30	30	30	28	29	29	29	X	116°	178°	108			
425	425																	481	1	EOT
426	426																	482	2	BOT
440	440	0353	28	28	28	27	29	28	29	28	29	30	30	X	113°	180°	108			
480	480	0405	29	30	31	32	31	30	28	28	30	29	30	X	113°	181°	104			
510	510																	482	2	EOT
511	511																	483	1	BOT
520	520	0416	28	29	29	28	29	28	30	28	30	30	30	X	112°	181°	104			
560	560	0428	29	30	31	31	31	29	28	29	30	30	30	X	114°	178°	107			
595	595																	483	1	EOT
596	596																	484	2	BOT
600	600	0440	28	29	29	30	31	32	31	29	30	30	30	X	114°	179°	103			
640	640	0452	28	29	30	31	32	33	28	30	31	31	29	X	113°	180°	102			
657	657	0457																		LAST SHOT OF LINE
	658																			CABLE NOISE
																				TWO TAPE MARKS