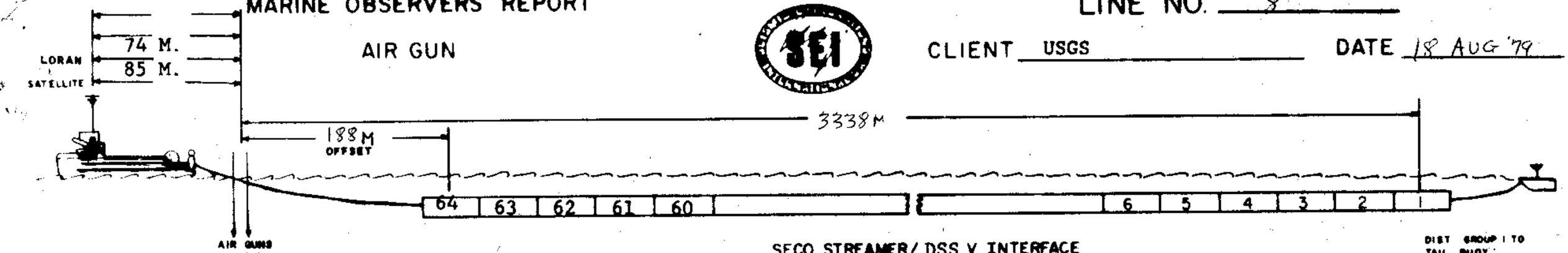
MARINE OBSERVERS REPORT

LINE NO. 8

AIR GUN

CLIENT USGS

DATE 18 AUG '79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 126°

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
SP1506 - #2 STARBOARD GUN OUT (10 CU.IN).
SP20605 - #8 STARBOARD GUN OUT (36 CU.IN).

REFERENCE VOLTAGE: 400 uv

1st SP 1 FILE # 001 REEL # 379 TIME: 0800 GMT

LAST SP 2578 FILE # 578 REEL # 409 TIME: 2023 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 16 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

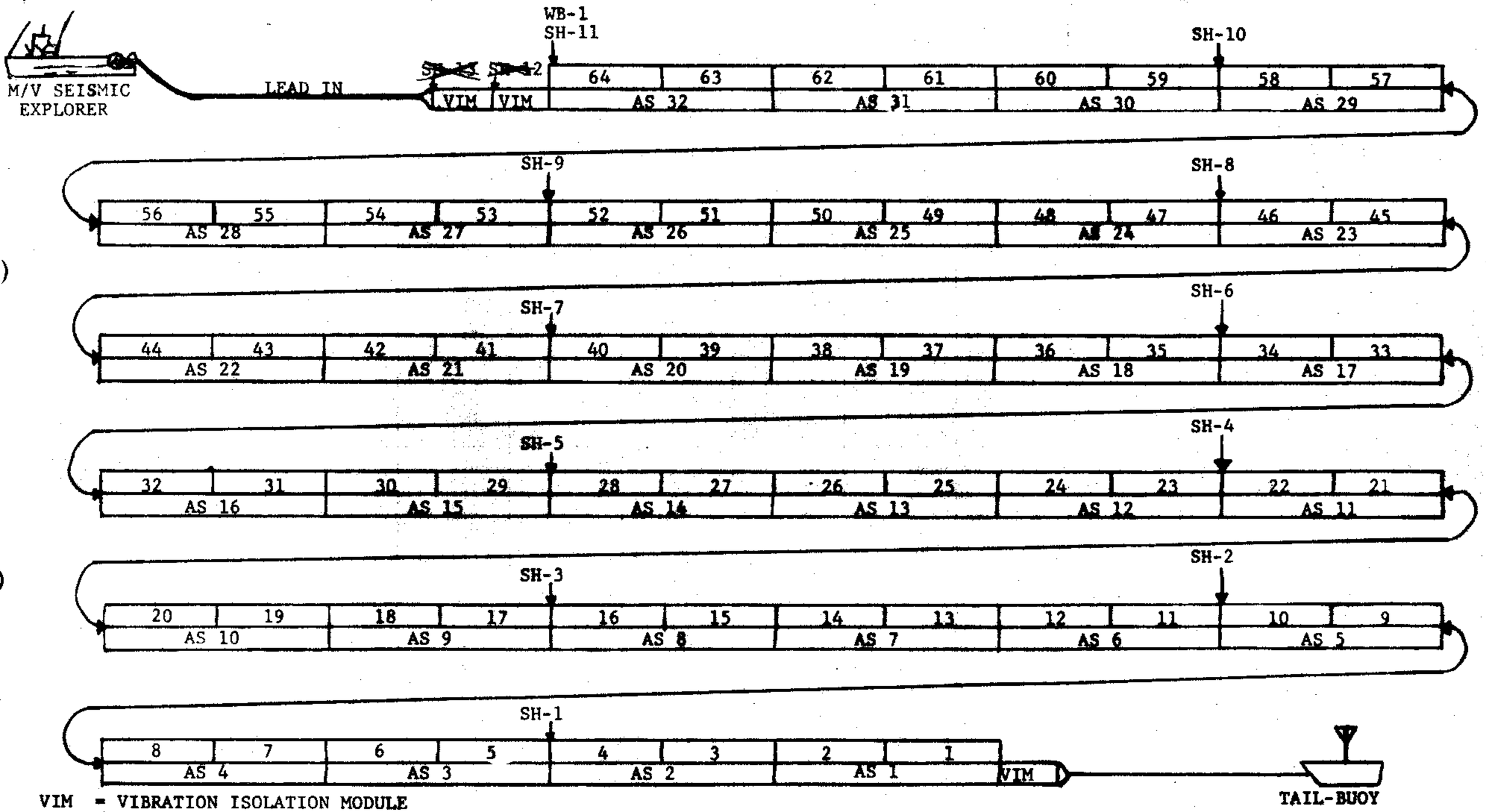
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

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 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. 8 DATE: 18 AUG 79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 379 - 388

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																	379	1	CABLE NOISE
1	001	0800	31	31	31	30	30	30	29	31	30	32	31	X	116°	181°	138			FIRST SHOT OF LINE
40	040	0812	31	30	30	30	30	29	28	31	30	33	31	X	119°	180°	139			
80	080	0824	31	32	30	30	31	30	28	32	30	33	31	X			140			
85	085																	379	1	EOT
86	086																	380	2	BOT
120	120	0836	31	31	30	31	31	31	29	31	29	29	30	X	122°	180°	140			
160	160	0848	31	30	29	30	30	31	29	31	30	29	31	X	121°	18[illegible]°	139			
170	170																	380	2	EOT
171	171																	381	1	BOT
200	200	0900	31	30	30	29	30	30	28	30	29	29	31	X	118°	185°	138			
240	240	0912	31	30	29	29	30	29	28	31	29	30	30	X	122°	182°	142			
255	255																	381	1	EOT
256	256																	382	2	BOT
280	280	0924	31	31	30	31	31	31	30	31	30	29	30	X	124°	182°	138			
320	320	0936	31	31	30	30	30	30	30	31	29	29	31	X	121°	183°	138			
340	340																	382	2	EOT
341	341																	383	1	BOT
360	360	0948	31	30	30	30	31	31	29	32	30	31	31	X	125°	180°	131			
400	400	1001	31	31	30	30	31	31	31	32	30	29	31	X	126°	180°	130			
421	421																			PE
425	425																	383	1	EOT
426	426																	384	2	BOT
440	440	1013	31	30	29	29	29	28	27	31	29	29	30	X	125°	181°	129			
480	480	1026	31	30	29	29	29	29	29	31	28	28	31	X	122°	182°	135			
510	510																	384	2	EOT
511	511																	385	1	BOT
520	520	1038	31	30	29	29	30	30	27	30	29	28	30	X	128°	178°	131			
560	560	1050	30	29	29	30	30	31	32	31	29	27	29	X	124°	182°	129			
595	595																	385	1	EOT
596	596																	386	2	BOT
600	600	1102	31	30	29	29	29	30	31	32	30	29	29	X	122°	180°	125			
640	640	1114	31	30	29	29	30	31	30	32	30	30	32	X	125°	178°	121			
680	680	1125	31	30	29	29	30	31	32	32	30	31	30	X	119°	187°	117	386	2	EOT
681	681																	387	1	BOT
720	720	1138	30	30	30	30	31	30	30	31	31	31	29	X	123°	181°	110			
760	760	1149	31	30	30	30	31	32	31	32	30	31	29	X	122°	180°	106			
765	765																	387	1	EOT
766	766																	388	2	BOT

OBSERVER'S LOG

AREA: GULF OF MEXICO
LINE No. 8 DATE: 18 AUG 79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 388-398

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
800	800	1201	31	30	30	31	32	32	32	32	31	32	30	X	118°	182°	96	388	2	
840	840	1213	31	30	30	31	30	31	30	32	30	30	30	X	123°	179°	94			
850	850																	388	2	EOT
851	851																	389	1	BOT
880	880	1224	31	29	29	30	30	32	31	32	30	30	31	X	122°	181°	94			
920	920	1236	31	31	29	28	29	30	31	31	30	31	30	X	124°	183°	95			
935	935																	389	1	EOT
936	936																	390	2	BOT
960	960	1247	31	30	29	30	31	31	31	31	30	30	30	X	122°	181°	103			
1000	000	1259	31	30	29	30	30	31	30	31	30	30	30	X	125°	179°	96			
1020	020																	390	2	EOT
1021	021																	391	1	BOT
1040	040	1310	31	30	30	31	30	32	31	30	29	29	29	X	124°	180°	98			
1080	080	1322	31	30	29	29	30	32	31	31	29	29	29	X	124°	180°	99			
1105	105																	391	1	EOT
1106	106																	392	2	BOT
1120	120	1338	30	29	29	29	30	30	30	31	30	31	30	X	125°	179°	97			
1160	160	1344	31	30	29	30	30	31	31	31	29	29	29	X	125°	180°	87			
1190	190																	392	2	EOT
1191	191																	393	1	BOT
1200	200	1355	31	30	30	30	31	31	30	31	29	29	30	X	124°	181°	71			
1240	240	1406	31	30	29	29	30	31	31	31	30	30	30	X	122°	183°	55			
1275	275																	393	1	EOT
1276	276																	394	2	BOT
1280	280	1417	31	30	30	30	31	32	31	31	29	29	29	X	123°	184°	76			
1320	320	1428	30	29	29	29	29	29	29	30	29	30	31	X	121°	182°	71			
1360	360	1439	31	29	28	28	28	29	29	31	29	29	30	X	122°	180°	64	394	2	EOT
1361	361																	395	1	BOT
1364	364																			PE
1372	372																			PE
1400	400	1451	31	30	29	29	30	31	31	30	28	30	30	X	123°	179°	64			
1440	440	1502	31	29	30	33	30	30	29	31	29	29	31	X	121°	181°	72			
1445	445																	395	1	EOT
1446	446																	396	2	BOT
1480	480	1513	30	30	29	28	29	30	29	31	29	30	30	X	124°	178°	89			
1506	506		#2 STARBOARD GUN OUT (10 cu. in.)																	
1520	520	1524	31	30	30	31	28	29	28	31	30	32	31	X	124°	179°	92			
1530	530																	396	2	EOT
1531	531																	397	1	BOT
1560	560	1536	30	30	29	31	29	29	29	31	30	30	31	X	124°	179°	97			
1600	600	1548	30	30	29	31	30	29	30	31	30	31	31	X	123°	180°	93			
1615	615																	397	1	EOT
1616	616																	398	2	BOT

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 8 DATE: 18 AUG '79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 398-408

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) (~~METERS~~)	REEL No.	TRANS PORT	REMARKS
1640	640	1559	30	30	29	31	30	30	30	31	29	30	31	X	123°	180°	99	398	2	
1680	680	1610	31	30	30	32	30	29	29	32	29	29	30	X	122°	185°	101			
1700	700																	398	2	EOT
1701	701																	399	1	BOT
1720	720	1622	30	30	29	32	30	30	30	31	30	31	31	X	123°	181°	98			
1760	760	1633	31	30	30	32	30	30	30	31	30	30	29	X	125°	182°	100			
1785	785																	399	1	EOT
1786	786	1640																400	2	BOT
1790	790																			PE
1800	800	1644	31	31	29	29	29	31	31	30	29	30	29	X	125°	183°	98			
1840	840	1655	31	31	30	31	30	31	31	30	28	29	28	X	122°	185°	102			
1870	870																	400	2	EOT
1871	871																	401	1	BOT
1880	880	1707	31	30	30	32	30	31	31	30	29	29	28	X	121°	185°	94			
1920	920	1717	31	30	30	31	29	29	29	30	29	29	28	X	123°	182°	104			
1955	955																	401	1	EOT
1956	956																	402	2	BOT
1960	960	1729	31	30	30	31	30	29	29	30	29	29	29	X	121°	181°	88			
2000	000	1740	30	29	30	31	30	31	29	30	29	30	30	X	123°	181°	103			
2040	040	1751	31	30	30	31	30	32	32	31	29	30	29	X	123°	182°	103	402	2	EOT
2041	041																	403	1	BOT
2065	065		STARBOARD GUN #8 OUT (36 cu in)																	
2080	080	1802	31	30	29	30	30	29	28	29	28	29	30	X	125°	180°	99			
2120	120	1813	31	30	30	31	30	32	31	30	29	29	29	X	121°	183°	101			
2125	125																	403	1	EOT
2126	126																	404	2	BOT
2160	160	1824	31	30	29	30	30	30	31	30	31	30	29	X	126°	179°	97			
2200	200	1835	31	30	30	31	29	31	31	31	29	30	29	X	123°	183°	105			
2210	210																	404	2	EOT
2211	211																	405	1	BOT
2240	240	1846	31	30	30	31	30	31	32	31	29	29	29	X	122°	183°	100			
2280	280	1857	31	30	30	30	29	29	30	30	28	29	29	X	124°	181°	103			
2295	295																	405	1	EOT
2296	296																	406	2	BOT
2320	320	1908	31	30	30	31	30	30	31	30	29	29	29	X	120°	184°	107			
2360	360	1919	31	31	30	32	31	31	32	31	29	31	30	X	120°	183°	105			
2380	380																	406	2	EOT
2381	381																	407	1	BOT
2400	400	1931	31	30	30	32	30	30	30	30	29	30	29	X	122°	181°	106			
2440	440	1942	31	30	30	31	30	29	30	30	29	29	29	X	122°	181°	99			
2465	465																	407	1	EOT
2466	466																	408	2	BOT

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 8 DATE: 18 AUG '79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 408-409

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
2480	480	1954	30	29	29	29	28	28	29	30	29	31	32	X	122°	181°	117	408	2	
2520	520	2006	31	29	29	29	28	28	29	30	29	31	31	X	120°	182°	96			
2550	550																	408	2	EOT
2551	551																	409	1	BOT
2560	560	2018	31	31	29	30	29	30	30	31	29	31	31	X	120°	182°	97			
2578	578	2023																		Last shot point
	579																			Cable Noise
																				Two Tape Marks

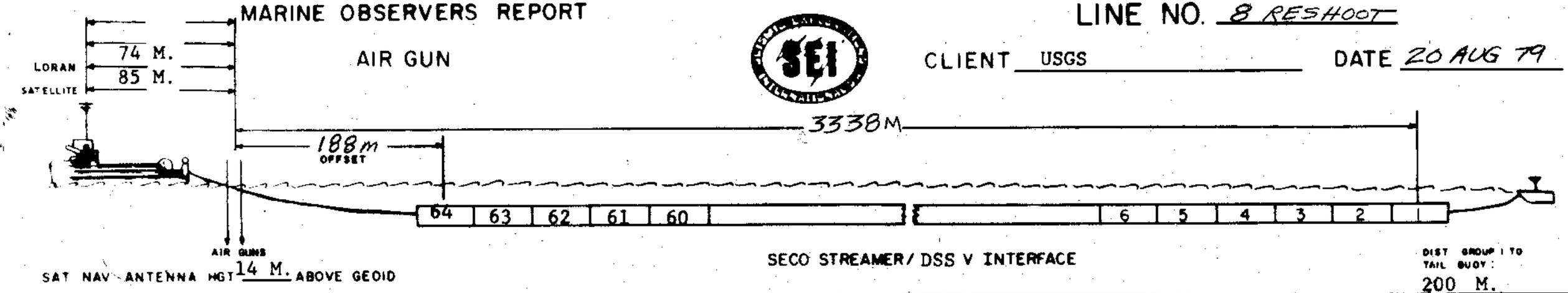
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 8 RESHOOT

CLIENT USGS

DATE 20 AUG 79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 126°

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
Files 109 & 110 are No good (SP2654 & SP2655) due to time break problem.
SP2578A - LAST 'A' shot

REFERENCE VOLTAGE 400 uv

1ST SP 2546A FILE# 001 REEL# 430 TIME: 2342 GMT

LAST SP 4324 FILE# 779 REEL# 450 TIME 0813 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

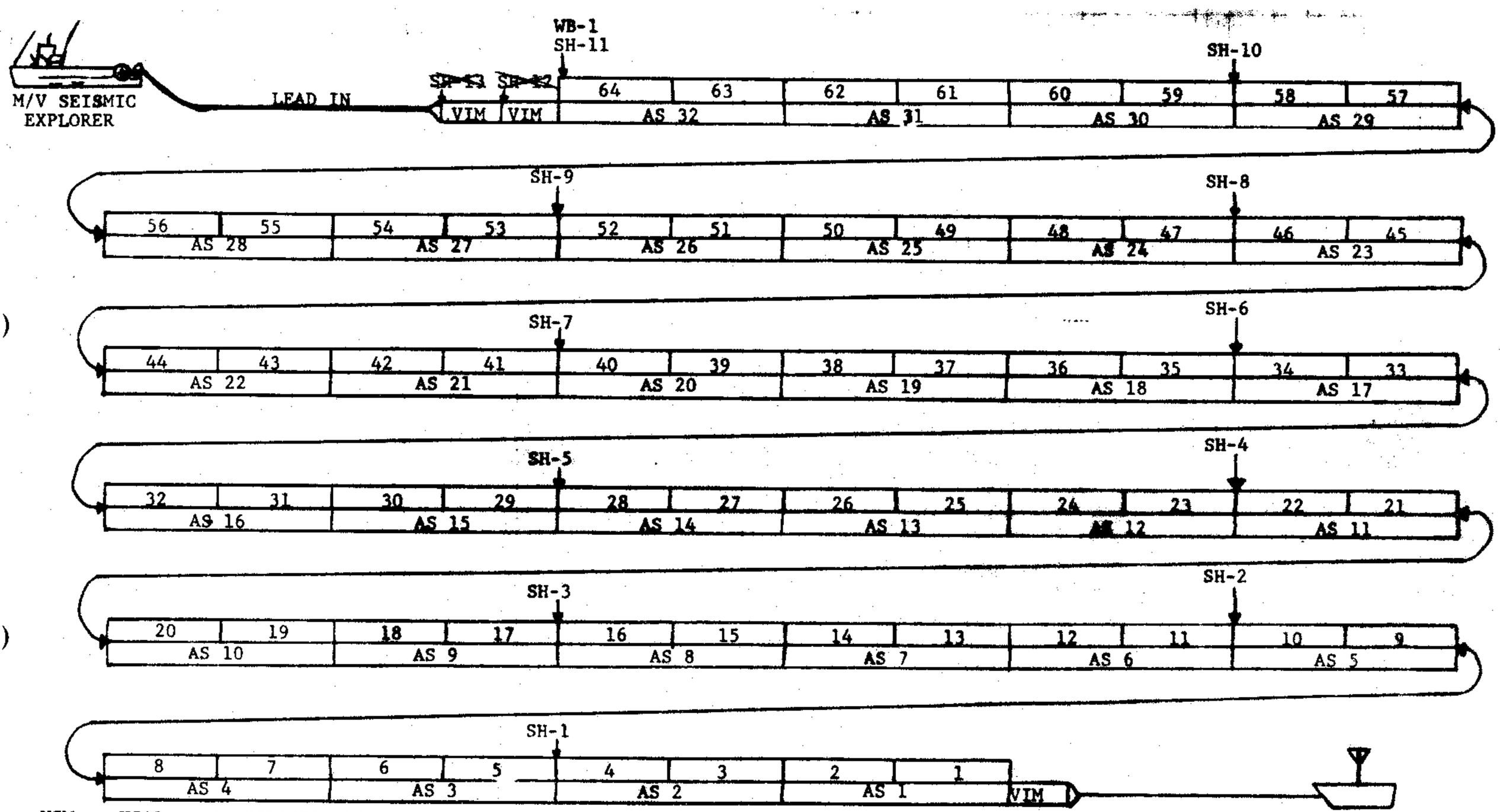
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 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/HUTCHILS



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. 8 reshot DATE: 19 AUG '79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 3
REEL No. 430-438

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																	430	2	BOT CABLE NOISE
2546A	001	2342	33	32	32	29	32	32	30	28	29	28	30	X	127°	177°	~~184~~ 104			FIRST 'A' Shot
2578A	032																			LAST 'A' Shot
2585	040	2353	33	32	31	31	32	32	31	28	30	30	31	X	128°	177°	~~183~~ 183			
2625	080	0004	32	32	32	30	32	31	30	28	29	29	30	X	127°	180°	104			
2630	085																	430	2	EOT
2631	086																	431	1	BOT
		~~0015~~												X	°	°	~~109~~			
	FILES	109 - 110	NO	GOOD											time break problem					
2665	120	0015	33	32	33	31	32	33	31	29	30	29	29	X	126°	181°	109			
2705	160	0027	33	33	32	30	31	30	29	28	30	30	30	X	124°	183°	109			
2715	170																	431	1	EOT
2716	171																	432	2	BOT
2745	200	0038	32	32	32	30	31	31	29	28	29	27	28	X	128°	178°	109			
2785	240	0049	32	31	31	28	29	28	28	27	29	28	29	X	130°	175°	111			
2800	255																	432	2	EOT
2801	256																	433	1	BOT
2825	280	0101	33	32	31	29	29	28	29	28	30	29	29	X	132°	174°	119			
2865	320	0112	33	32	32	30	31	30	29	27	29	28	29	X	132°	176°	120			
2885	340																	433	1	EOT
2886	341																	434	2	BOT
2925	380	0124	32	32	31	30	31	31	29	28	29	28	29	X	133°	176°	122			
2945	400	0135	32	31	31	30	32	31	31	28	29	30	29	X	132°	178°	126			
2962	417																			PE
2968	423																			PE
2969	424																			PE
2970	425																	434	2	EOT
2971	426																	435	1	BOT
2985	440	0147	32	31	31	29	29	29	30	28	30	33	30	X	132°	179°	124			
3025	480	0159	32	31	31	28	29	29	29	28	30	33	30	X	132°	179°	131			
3055	510																	435	1	EOT
3056	511																	436	2	BOT
3065	520	0211	32	31	32	29	30	29	28	27	28	29	29	X	130°	180°	128			
3105	560	0223	32	31	31	30	31	31	31	28	30	31	29	X	129°	180°	129			
3140	595																	436	2	EOT
3141	596																	437	1	BOT
3145	600	0235	33	31	32	29	29	28	29	27	29	30	29	X	129°	181°	130			
3185	640	0246	32	31	32	30	30	30	31	28	29	30	29	X	128°	181°	134			
3225	680	0258	32	31	31	29	29	28	28	28	29	30	30	X	128°	180°	134	437	1	EOT
3226	681																	438	2	BOT
3265	720	0309	32	31	31	29	29	28	28	27	29	30	30	X	129°	179°	127			

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 8 Reshot DATE: 20 AUG 79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 438 - 448

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
3305	760	0321	32	31	31	29	30	31	30	28	30	30	29	X	127°	181°	131	438	2	
3310	765																	438	2	EOT
3311	766																	439	1	BOT
3345	800	0332	32	32	32	29	29	28	29	27	29	29	29	X	128°	180°	131			
3385	840	0343	32	31	30	28	29	30	29	27	29	30	29	X	130°	178°	124			
3395	850																	439	1	EOT
3396	851																	440	2	BOT
3425	880	0355	32	30	30	28	29	30	29	29	31	32	30	X	125°	183°	133			
3465	920	0406	32	32	32	29	30	30	28	28	31	31	30	X	129°	179°	134			
3480	935																	440	2	EOT
3481	936																	441	1	BOT
3505	960	0417	32	31	31	28	29	30	29	28	31	32	30	X	126°	181°	135			
3545	000	0429	32	31	31	29	29	30	29	27	28	29	29	X	128°	180°	135			
3565	020																	441	1	EOT
3566	021																	442	2	BOT
3585	040	0440	32	32	32	29	31	33	29	27	29	29	28	X	128°	179°	135			
3625	080	0452	32	32	31	30	30	30	29	27	29	30	29	X	130°	178°	133			
3650	105																	442	2	EOT
3651	106																	443	1	BOT
3665	120	0503	32	31	30	29	30	32	33	31	29	30	30	X	129°	180°	133			
3705	160	0516	32	31	30	28	29	30	29	30	29	30	30	X	129°	181°	133			
3735	190																	443	1	EOT
3736	191																	444	2	BOT
3745	200	0528	32	31	32	30	30	27	29	30	30	31	31	X	125°	183°	127			
3785	240	0540	32	31	32	31	32	31	29	30	29	30	30	X	126°	183°	134			
3793	248																			PE
3820	275																	444	2	EOT
3821	276																	445	1	BOT
3825	280	0551	32	31	31	29	29	29	30	32	31	32	31	X	123°	183°	135			
3865	320	0603	32	32	32	30	30	29	27	30	29	30	30	X	126°	182°	130			
3905	360	0614	32	30	30	28	29	28	28	31	31	32	31	X	123°	182°	134	445	1	EOT
3906	361																	446	2	BOT
3945	400	0625	32	31	31	30	32	33	31	32	30	31	30	X	125°	179°	129			
3985	440	0637	32	30	30	28	29	29	27	31	30	31	31	X	127°	178°	126			
3990	445																	446	2	EOT
3991	446																	447	1	BOT
4025	480	0648	32	31	29	27	29	29	29	31	29	30	30	X	125°	180°	129			
4065	520	0659	32	31	31	30	31	31	30	31	30	31	30	X	123°	181°	123			
4075	530																	447	1	EOT
4076	531																	448	2	BOT

OBSERVER'S LOG

AREA: GULF OF MEXICO
LINE No. 8 Resho DATE: 20 AUG 79
CLIENT: USGS
BASE COURSE: 126°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 448-450

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
4105	560	0711	32	30	31	29	29	28	30	30	29	29	29	X	124°	179°	122	448	2	
4145	600	0722	32	30	29	27	28	29	31	31	28	29	29	X	124°	180°	123			
4160	615																	448	2	EOT
4161	616																	449	1	BOT
4185	640	0733	32	30	30	29	29	28	28	30	29	29	30	X	124°	180°	121			
4225	680	0745	32	31	31	29	30	31	31	31	29	29	30	X	124°	180°	121			
4245	700	0751													124°	180°	122	449	1	EOT
4246	701																	450	2	BOT
4265	720	0756	32	30	30	28	28	29	31	31	29	29	29	X	124°	179°	125			
4305	760	0808	32	31	30	28	29	29	29	30	29	29	30	X	125°	179°	120			
4324	779	0813																		LAST SHOT OF LINE
	780																			CABLE NOISE
																				TWO TAPE MARKS