68001 log

Sparker/Boomer/A Sample Log

MARCH 1968

Puerto Rico I

Project

Field Log

FLORIDA QUEEN

2/25 - 3/30/68

#105094 FLQN PR I

FLORIDA QUEEN 68001

Mona Pass, Puerto Rico

Feb 27-March 23, 1968

L.Garrison

SPARKER,BOOMER,

SAMPLE LOG

(March 5-22, 1968)

LEG

USGS

March 5, 1968 - I

1115 - Began sparking run up to line M. Cus 170° M
5 miles off Cabo Rojo.

power setting - 3 Kj.

firing rate - 3 sec

recorder scale - 400 fm.

band pass - 63-125

Tape recorder - Reel # 1, Side # 1, reading 000

started tape at XX.

Add 3 feet to pinger record

1137 - Start Line M from radar position {800 RPM ≅ 6.75 k

1215± - Plugged in tape recorder, but this damaged record - not taping this run.

1218 - Fix

1232 - Fix

1253 - Lighted buoy, Cabo Rojo, 0.3 miles abeam to port

1254 - crossed 100 fm

1303 - changed pinger scale to 400 fathoms, ~~spark~~ increase to 5 Kj

1315 - changed recorder scale to 800 fms.

1336 - change course - start line M-1 (dog leg) Cus 056° M

1338 - on course 056° M

1403 - line M-1 changed sparker recorder scale from ~~400~~ 800 to 0-400

March 5, 1968 – II

1410 – ~~Lo~~ change sparker 0-400 to 400-800

1419 " SCALE to 0-400 F

1427 – Ended run – misfiring on sparker, no reading on pinger.

1437 – Gear aboard, on course for inshore end of Line J

Start Line J

800 RPM True

1522 On course, 5 kj, 0-400 fm scale Course 180° ~~Hog~~

1600 Sparker record changed to 400-800

1632 Sparker record changed to 800-1200

1744 Sparker & pinger record changed to 1200-1600

1746 End line "J". Secured gear.

1757 Head for Guanica.

March 6, 1968 - I

0725 Start line H, comming out of Guanica Hbr.

0731 - Buoy C5, start H. - recording 0-400 Sec.

0737 Passed R-2

0759 - Scales changed to 400-800

0823 Fix -

0854 - End of line H

0900 - Start for south end of line F.

0950 - Begin line F, into Guayanilla - 800-1200

Add 5 feet to pinger record.

1011 - Scale change 400-800

1025 - Fix - approx. 75 fm

1032 Scale change - pinger 0-400

1035 Scale change - sparker 0-400

1123 Fix buoy R-2 - Guayanilla course altered to 350°

1139 End line line F - buoy N-8 Guayanilla

1157 Start line "F-1" scales 0-400 course 140 True

1234 Fix

1240 Scale change 400-800

1247 Scales 0-400F on both

1253 Fix

1255 Scale 400-800 both

March 6, 1968 - II

1328 Fix

1337 End "F-1"

~~Begin line C~~

1345 Start line C on course 380° True 400-800 both

1400 Change both to 0-400

1407 FIX

1442 Buoy R2 Ponce - Course change to 15° True

1500 End line "C" -

Boomer test run

1518 - begining at end line "C" - course 240°M 0-100

- Change both 100-200

1548 - Change both 200-300

1554 - End run 240° M

1555 Start run 150 M

1600 Change course to 60°M

1608 Change scale both to 100-200

1613 Change scale both to 0-100

1620 Change course to 150M

1626 Fix - black "1" Ponce - buoy

Boomer at 1K
1 sec firing, Band pass 10^2 to 10^3 cps
100 fm scale.
Using short hose and PAR amplifier

March 6, 1968 – III

1631 Change bith to 100-200

1641 " " to 0-100

1648 Change course for Ponce 355M

1720 Stopped in Ponce Harbor, gear aboard, moved over to Muelle de Ponce and secured.

March 7 - I

0700 - Left Muelle de Ponce.

0748 - Start Line A - Caja de Muertos line 180°T

0807-9 - Reverse course, 360°T Upper 40 fms of record not printing - can't tell why. Will repeat the run. — 0815 - trouble was disconnected ground. OK now.

0831 Restart Line A - 180°T, 3/4 mile offshore 0-400 scales

0903 Fix - line Sislot of Berbeka to N. shore Caja de Muertos

0933 Fix 3 mi off Caja de Muertos

0952 Change scale both — to 400-800.

1002 End line A, turning to intersect deep end of line B.

1003 on cus 305° M - stop to pick up gear

1010 - Start for B

1035 Start line B - on course 5°M - Fix - approx.

Reel 1 side 1 000 ⇒ Position shown on chart may be as much as 0.6 mi NW of actual start point

1107 - Fix

1124 - F+X

1142 - END LINE "B" TAPE FOOTAGE 222 R1-S1

March 7 - II

Start PC-1, cus 270°

1309.5 - South of Punta Cuchara, run across canyon, 5 Kj. Tape R1S1-256:

1331 - Scale change both - to 400-800 Cuchara Cn. axis

1334 - Scale change pinger - 0-400

1335 - Scale change - sparker - 0-400

~~1335 - Fix (NG) -~~

1338 Change course due S to intermediate line ~~PC-2~~

1341 Fix - start intermediate line ~~PC-2~~ - on course 180°T

1345 Change scale on both 400-800

1350 Change course to line ~~PC-3~~ PC-2

1352 Fix Start PC-2 Course 90°T

1354 Change scale 0-400

1413 End PC-2 change course into intermediate line to PC-3

1415 On course intermediate line 180°T

1424 Change course to PC-3 270°T

1425 On course line PC-3 270°T

1435 Change scale both - 400-800

1505 Fix

1517 End line PC-3 - change course to intermediate line

1520 Start intermediate course 90°T

March 7 - III

1540 Axial zone - Cuchara Canyon
1542 Turning to 021
1543 Start PC-4 021
1545± Axial zone - CC
1548 Turning to 046 & on course
1553 Turning to 050 & on course
1555 Turning to 055 & on course
1603 Complete Line PC-4 R151-639
1647 - Starting Line CM-1 R151-640
1659 - Fix
1706 - Restart tape - R152-000
1707 - Fix
1231 End Line CM-1
1735 Start for Ponce

March 8

0830 Departed Ponce dock for Sample Line A

Sample #	STOP	START	DEPTH FATH	DEPTH FEET	DEPTH MTR
			(no correction made for depth of pinger below surface.)		
A1	0915	0927	3	18	
A2	0931	0938	5	30	
A3	0951	0955	9	54	
A-4	1003	1006	8	48	
A-5	1009	1027	3.5	21	
A-6	1035	1038	3.5	21	
A-7	1045	1049	7.5	45	
A-8	1056	1100	13 3/4	82.5	
A-9	1109	1115	28 3/4	172.5	
A-9A	1118	1121	26		
A-10	1125	1138	85		
A-11	1140	1247	~~280~~ 240		
A-12	1156		330		
B-10	~~1355~~ 1405	1438	620		
B-9	1448	1512	365		
B-8	1524	1540	190		
B-7	1552±	1554±	22		
B-6	1605	1609	13		

Sample #	STOP	START	DEPTH FATH	MTR
B-5	1621	1626	21½	
B-4	1636	1640	17½	
B-3	1650	1655	16½	
3-10-68 Left Ponce about 1030				
B-2	1049	1053	15	
B-1	1101	1106	10½	
B-0	1113	1118	3	
C-1	1140	1143	2	
C-2	1151	1156	16	
C-3	1204	1217	165	
C-4	1225	1240	230	
C-5	1248	1323	242	
C-6	1333	1348	260	
C-7	1357	1415	303	
D-1	1445	1449	5½	
D-2	1502	1523	255	
D-3	1538	1558	400	
D-4	1615	1437	450	
E-7	1650	1712	395	
E-6	1727	1737	382	
E-5	1757		173	
1815 second - start to Guanica				

March 11, 1968 Left Guania about ~~0730~~ 0645

Sample #	Stop	Start	Depth Fath	Depth mtr.
E-4	0750	0759	7	
E-3	0805	0808	7½	
E-2	0812	0815	8½	
E-1	0820	0824	7	
PG-1	0905	0910	4	
PG-2	0915	0920	7½	
~~PG-3~~ F-1	0928	0939	10	
F2	0947	1000	185	
F3	1038	1057	330	
F4	1105	1115	450	
G-1	1212	1217	5	
G-2	1222	1240	220	
G-3	1250	1306	310	
H-1	1334	1339	5	
H-2	1347	1351	4	
H-3	1400	1407	5	
H-4	1416	1438	170	
H-5	1450		375	

Mar 11 Cont.

Sample #	Stop	Start	Depth Fath	Mth.
I-1	1550	1553	7½	
I-2	1558	1601	7½	
I-3	1610	1604	6	
I-4	1622	1630	7	

Mar 12, 1968 Left May- at about 0730 for Line I

I-5	0956	1010?	375
J-1	1057	1101	5
J-2	1106	1109	7
J-3	1117	1122	6
J-4	1133	1138	7
J-5	1145	1150	7½
J-6	1201	1223	310
J-7	1232	1310	580
K-1	1345	1350	8
K-2	1400	1408	12½

1410 secured pinger - too rough for further work here. Moving around to west side of island.

3/12/68 Cont

Sample #	Stop	Start	Depth Fath	Depth mtr
O-1	1540	1545	11½	
O-2	1601	1608	12	
O-3	1624	1627	13	
O-4	1640	1646	12	
O-5	1700	1705	9	
O-6	1725	1742	125	
O-7	1756	1805	145	

3/13/68 Left Mayaguez about 0730.

L-1	0935	0940	7½	
L-2	0947	0954	8	
L-3	1003	1018	11	

Grab sampler broke we are now using a dredge

L-4	1028	1105	270 to 290	
K-4	1204	1242	290	
K-3	1248	1300	10	
K-3 A	1313		9	

3/16/68 Left Mayaguez at 0400, arrived M-1 0625

			FATH
M-1	0625	0628	6
M-2	0646	0649	6
M-3	0700	0706	11
M-4	0726	0730	7
M-5	0741	0819	283
M-6	0831		477

P-1	1000	1004	7½
P-2	1015	1018	11
P-3	1032	1027	17
P-4	1051	1106	111
P-5	1121	1133	170
P-6	1145	1200	335

March 16

Boomer records in Mayaguez Hrbr.

Using 1 Kj, firing 1 sec, 10^2-10^3 Hz, 100 fm sca

short hose, 60' cable, source at -4'

Pinger about 5 feet down

1444 Start line MH-1 at Fl-Buoy 5

1510 " " MH-2 Could not make 2

Start MH-3

1535 Start MH 4

1600 Outer buoys lined up. Southern one 150 yds to stbd.

1650 - Secured gear - head for Malecon

March 17 p. 1

0810 Start line S (Sparker) - course due N - pos.
10 mi SW of Cabo Rojo Light
Power setting 5 kj
Firing rate 4 sec.
Recorder scale
Band pass 63-125
Tape recorder Reel 1, side 2, start at 20'
Cold 3 ft. to Pinger record

Voice & 60~ Ref on chan 1
Filter FM on chan 2
unfiltered AM on chan 3 using
short phone - Par amp with
filter setting of ~~60~~ 67~ to 6.7K

0820 0-400 fathoms
0924 Change course to 353 M

1054 Albacore buoy - change course to 0° M
1122 Change course to 0° T
1200 Fix
1217-21 Change reel on Tape recorder R-2, side 1
1223 Change scale on sparker 400-800

March 17 (cont.) p. 2

1240 Fix - Lost spark

1303 Operating and on course from 1240 fix

1305 Pinger stopped operating

1321 Pinger operating

1323 Change scale to 0-400

1345 End line "2"

March 18

0705 Left Mayaguez

0850 ~~Stow~~ Gear overboard - start line N
R2 S1 250 Feet

0853 Start at C1, Baja Resuello, off
Boqueron, cus 187° M.

1010 changed ~~all~~ scale to 400-800 Fath.

1208 R2 S1 - 700 changed tape

1210 R2 S2 - 000 start

1314 Change to ~~400-800~~ 0-400 fm scale

1318 Change to 200-600 fm (center keying)

1330 (≈) 400-800

1335 End Line N

1338 Start Line U

1344 changed scales to 0-400 Fath.

1400 (approx) after pur supply out - refused

1430 Passing Isla Mona to port.

1633 R2 S2 - 685 changed tape

1640 R3 S1 - 000 start

1800 Hydrophone (long box) quit working

1825 Everything aboard - head for Mayaguez

19 March

1408 Start Line X. Sparker - 0-400

1410 - R3 S1 - 285; start tape

1601 - Change scale to 400-800 fms.

1625 change scale to 800-1200 fms

1629 - stop. End of line gear aboard

Start Magazining.

20 March

0415 Left Mayaguez.

0540 Start Line T - in middle of line, heading north. R352-020

0544 Start tape

0635 Signal loss. - check hydrophone

0645 Stop - gear aboard

0745 - Repaired phone in lee of Desecheo Is. start back to breakdown pt.

0817 Start from breakdown point { slow to 750 or less turns - will use slower speeds from this point

0822 Turning 180°

0857 Turning 180°

0900 On course - rerun part line T (Resume T)

0920 Scale change from 0-400 to 400-800

0950 Scale change from 400-800 to 0-400

1000 Abeam Isla Desecheo 1½ mi

1030 Fix

1039 Scale change from 0-400 to 400-800

1100 Fix

1103 Scale change from 400-800 to 800-1200

1124 Scale change from 800-1200 to 1200-1600

1134 End line T

20 March (continued)

1137 Start line Q

1154 Scale change from 1200-1600 to 800-1200

1219 Scale change from 800-1200 to 400-800

1227 Change tape R451-000

1240 Hydrophone broken. Stopped

1310 Resumed sparking, return to breakdown position.

1315 No record - stopped - hauled phone, another wire broken.

1330 - Secured sparker, heading for Punta Higuero.

1450 - Gear over. Boomer runs under Pta. H.

1508 ~~on~~ course Line X-2

Boomer, 1kj, 0-200 ms, 1.5 sec. fire, 100-300 cps - No tape.

1530 Boomer record yielding no information. Shut down, pulled up, and fixed hydrophone

1620 Sparker over, approaching re-start of X-2 - no record. Hyd. Kaput - Gear aboard starting in to fix hydrophone & oscilloscope also broken.

March 21

0740 - Left Mayaguez.

0815 - Gear over, approaching S½ Line X

0828 Start S½ Line X R4-51 101 ft.

0907 END SOUTH HALF LINE X

0938 Start X-1 R451-313, crs. 000°T

1135 End X-1, Turning to X-2

1138 Start X2

1225 - switched to center Key - 200-600 Fath

1228 - End X-2, turning to X-3

1230 - Start X-3, cros 000°T, at 1231 start Tape R452-000 (tape stopped at 694)

~~Switch to 200-600~~

1300 - Switch to 0-400

1315 - END OF LINE X-3, Gear aboard, hdng 200° to start X-4

1359 - Start X-4 - R452-162, cs 090T

1538 END LINE X-4 R452 432

≈ 1550 passed C1, Manchas Exteriores - hdng 350°M. (This line has no name)

1617 - On cross-line X-5, crs 180°T
R452 - 432.

1710 End line X-5 R4-52 553
Secured gear, head Mayaguez
at 1730.

MARCH 22

0818 - Dept. Mayaguez dock

0929 - Start Line Z

0936 - Start Tape R452-553.

1045 - Changed tape to R5-51-696F

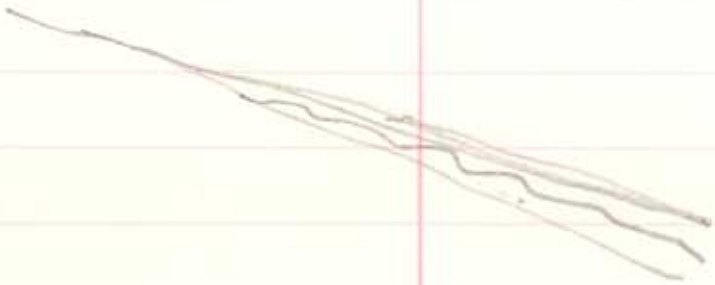
1106 - Switched to Center Key 200-600 FATH.

1135 - END LINE Z R5-5-1-174

1140 - Gear aboard, start to Mayaguez

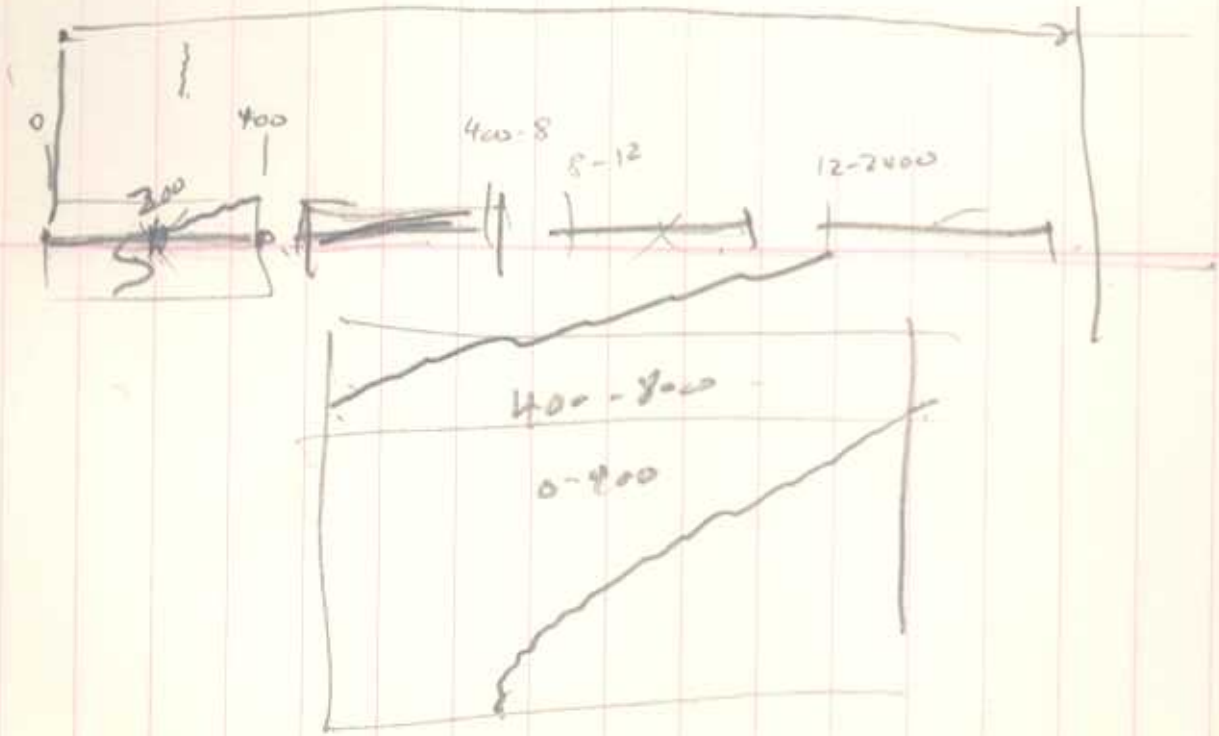
1310 - Tied up - Mayaguez.

Secured
operation



	elap time	depth	dist	spd
1054		10		
	10		.80	4.75
1104		20		
	10			
1114		50		
1116	12	100	.95	
1125	09	150	.72	
1133	08	200	.64	
1140	07	200	.55	
1142	02	150	.16	
1152	10	210	.80	
1200	08	300	.64	
1205	05	364	.40	
1210	05	378	.4	
1215	05	379	.4	
20	05	383	.4	
25	05	391	.4	
30	05	393	.4	
35	05	396	.4	
40	05	393	.4	

stop


0
400
400-8
8-12
12-2400
300
400-800
0-400