

FM 05-03

TIME (Z) "OLD BAHAMA CHANNEL" (OBC) CSE/SPD

SAN JUAN, PUERTO RICO — GALVESTON, TEXAS

SCIENTIFIC PARTY

DR. JAMES AUSTIN, CHIEF SCIENTIST

DR. ERIC ROSENCRANTZ

DR. DOUGLAS McCOWAN

DR. FREDERICK TAYLOR

PAT GANEY

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STEVE PAYNE

STUDENTS: JAMES GILROY
 BRADLEY STEVENSON
 DON VASCO
 DAVID ANGSTADT

CAPT. JOHN LESLIE, MASTER, R/V FRED H. MOORE

31 JULY 19801845Z LEAVE CATAÑO REFUELING DOCK
FOR SEA.

1910Z CLEAR SEA BUOY. C/C 307° FULL 307°
 SPEED AHEAD. BOTH SAT. NAVS AND LORAN C ~10KTS.
 OPERATIONAL. AUSTIN ON NAVIGATION WATCH.

1 AUGUST

0800Z McCOWAN WATCHING
 (0400Z ROSENCRANTZ ON NAVIGATION WATCH)

1200Z GILROY ON NAVIGATION WATCH.

1600Z VASCO ON NAVIGATION WATCH

1640Z 4 GUNS SERVICEABLE

FM-05-03

TIME(Z)CSE/SPD1 AUGUST 1980

2000Z GANEY ON NAVIGATION WATCH

310°
~10KTS.2 AUGUST 19800000Z AUSTIN ON NAVIGATION WATCH.
STREAMER PARTY SET TO START AT ~0100Z
TODAY.310°
10.0 KTS.0100Z C/S DEAD SLOW ON PORT ENGINE ~2.0KTS.
MAINTAIN 310° BEGIN TO DEPLOY STREAMER.
Angstadt on Nav. Watch0216 SHOULD HAVE SET DEPTH INDICATOR
MANUAL ABOARD0217Z 1st 10 sections out

0311Z Dead stop on 1

~0.5KTS

0330Z Ship in our path c/c

305°

0338Z come to all stop

0355Z Dead slow on 1

2.5 Knts, 305°

0430Z 30 sections out

0511Z 40 sections out

0539Z 50 " "

0604Z 60 " "

0614Z 4th DI zeroed

0630Z c/c

300°

0635Z 70 sect's deployed

0700Z McCowan Nav. watch

0929Z c/c START SLOW TURN

000°

1106Z c/c START SLOW TURN

180° STBD

1221Z ZERO DI #6

TIME(Z)

FMOS-03

2 AUGUST 1980

c/c/c/s

221°

1230

~~0000~~ z c/c START SLOW TURN TC

1358 z

DEPLOYING MAGGY (1)

1440 z

DEPLOYING GUNS (4)

1453 z

Maggie deployed + working

1455 z

Vasco, Rosenkrantz, Angstadt on duty

1500 z

Air guns firing

1509 z

LEADER OUT, CABLE JUMPER CONNECTED

1524 z

Shut down Gun #3 AIR LEAKAGE

1604 z

Start OBC-1

1605 z

Sp 800 RPM ON ENG/2

c/c 223°

223°

~5.0KTS

1606 z

Start recording DFS

1612 z

Gun #3 pulled out of water

1614 z

DFS down,

223°

1617 z

Dead Slow on 2. SAME HEADING.

1626 z

R c/s same heading

223°

5.0Kts

1627 z

Resume data recording on DFS

225°

225°

1738 z

c/c

220°

1814 z

c/c

2000

4 GUNS in WATER.

2000 z

GANEY STEVENSON + MCOWAN WATCHING

2010 z

Gun 1 GONE BAD.

2028 z

c/s 750/2

2117 z

START SLOW TURN TO 169° END LINE OBC-1

c/c 169°

2125 z

END SLOW TURN AT 169° START LINE OBC-2

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TIME(Z) 2 AUGUST 1980

CSE/SPD

2228Z TURNED D.I. #1 BACK ON — SEEMS 169°
 TO BE WORKING PROPERLY 5.4 KTS.

2320Z M. BUTTERFIELD MANUFACTURED AIR GUN
 GASKET ON LAB FLOOR

2340Z c/s 775/2
 2345Z c/c 167°

0000Z August 3 1980

Gilroy, Taylor, Austin
 Start watch

LINE OBC-02. COURSE = 169° SPEED = 5.4 KTS. 169° 5.4 KTS.

0027Z AIR GUN #1 COMES BACK ON LINE

0041Z GUN #1 SYNCHRONIZED. FOUR GUNS
 OPERATIONAL

0050Z Lost time marks on Bathymetry
 and some data quality

0200Z c/s 800/2. TRYING TO MAINTAIN 5.5 KTS.

0230Z ALL TOWS CHECKED — O.K.

0345Z c/c 165°, c/s 775/2. 165° 5.5 kts
 0400Z Reporting on the scene: Vasco, Rosencrantz,
 Angstadt

0510Z

Magnificent and sleek, young streamer tow
 Fine behind pounding air gun
 through indigo, moonlit Bahaman seas —
 Soft and Silky, Sea State 1

FMOS-03

AUG 3 1980

68

LINE OBC-2

cse / spd.

0514Z Bathymetry off to record Sonobuoy
 0517 SONO BUOY BEING DEPLOYED ON
 CHANNEL 30

165 5.5

052137 C/C 161°

052338Z SONOBUOY #1 IN WATER - PORT SIDE . CHAN. 30
 DFS CHANNEL 49

0532Z SONOBUOY #1 GONE - MUST HAVE
 HIT STREAMER. WILL THROW ANOTHER.

0540-13Z SONOBUOY #2 IN WATER - CHAN 29
 STARBOARD SIDE.

0657Z C/C 157°

0740Z Bathymetry resumed

0800Z MCDOWAN & STEVENSON WATCHING (GANEFY)

0824 C/C 154°

C/C 154°

0843 CHECKED FANTAIL, TOWS OK

0840 C/S ⁸⁰⁰ 175/2

C/S 175/2

1010 C/C 169°

C/C 169°

1038 STEVENSON BELCHED (GUNS FIRING FINE)

1128Z C/C 309° END OBC-2
 BEGIN OBC-3

1132 ONE COMP DOWN FOR OIL CHECK.

1135 DFS OFF DO TOO NO GUNS - CHECKING COMPRESSOR

1140 GUNS UP DFS ONN

FMOS-03

69
AUG 3, 1980

TIME(Z)

OLD BAHAMA CHANNEL

LINE ORC-3

1200Z AUSTIN, GILROY, TAYLOR ON WATCH. WEATHER 309°
EXCELLENT. ALL TOWS O.K. ~5.5 KTS.

1300Z Tropical Storm Allen in hot
pursuit. This watch needs
a challenge

1600Z. Vasco, ~~Amstutz~~, Rosenbury entre. Tows/Weather great

1657Z C/C 3050

5.5K 3050

1830Z 9C 3070T C/S - 1/2 KT to APPROX 750 RPM/ZERKINS.

1909Z Sonobuoy # 3 thrown out, recorded on
S.B. Channel ~~29~~ 29, D.F.S. Channel 54

1906Z BATH, SHUT DOWN

1925Z Switch from Dfs^{CH. 54} to ^{CH. 53}

2000Z GANEY, STEVENSON, M^C COWAN ON WATCH

2025Z C/C 315°

2105Z ALL TOWS OK ON FANTAIL

2110Z REPORT ON "ALLEN" — UPDATED
TO A HURRICANE AT 2100Z. SUSTAINED WINDS
OF 100 MPH AT THE CENTER. MOVING
WESTERLY, NOW ALMOST DUE EAST OF BARBADOS.

2125Z GUNS # 1 + 3 FIRING 80's. PROBLEM
WAS A DROP IN MANIFOLD PRESSURE, WHICH
WAS QUICKLY CORRECTED. ALL FOUR GUNS OPERATIONAL.

2255Z ALL TOWS OK ON FANTAIL

0000Z August 4 1980 Austin, Gilroy,
Taylor on Storm Watch

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August 4 1980

TIME (Z) OLD BAHAMA CHANNEL OBC-3

0030Z C/C to 312°

~~0030Z~~
5.5 kts

0035Z C/S 750 on (2)

0236Z Gun #4 → 80 city. GUN
WAS PREFIRING. AFTER LOWERING DELIVERY PRESSURE
—O.K.

0244Z C/S 725 ON (2) Try for 5.5 kts

312°
~6.3 kts.0500Z END OF OBC-3 BEGIN
TURN 186°

0530Z STEADY ON CSE 186° — INCREASE SPEED 775/2.

0600Z Tows fine, Sea State 3

0800Z STEVENSON, GANEY & McCOWAN
WAIT WHILE OTHERS TWIRL KNOBS.

0825Z ALL TOWS JUST PEACHY

0925Z C/C 185° C/S 775/2 C/C C/S

0945Z ALL TOWS OK

1000Z MANEUVERING TO STBD TO AVOID SHIP 010°

1000Z BACK ON 185°

1110Z C/C 180° C/K

1200Z Taylor, Austin, Gilroy on watch 180°
5.5 kts1330Z End line OBC-4 start turn
to 326° (OBC-5) at 6°
per minute

FMOS-3

August 4, 1980

71

Time (Z)

OLD BAHAMA CHANNEL GBC 5

CSE/SPD

1340Z course correction - make Final
course 328°; continuing turn

1356Z Completed turn steady on line
OBC-5 775/2 3/4 328°

1420Z After viewing the previous
watches work the "No Problem"
watch suggests they should
scrutinize their own work
before finding fault with
others, JB ← WHERE IS THE OBC-5 LINE INFO SHEET?
"NO PROBLEM?"

1505Z All Tows Checked — O.K.

1550Z C/S 750/2 328°
1600Z VASCO, ROSENCRAUTZ, AND ANGSTADT 5.8 KTS.

1610Z C/C 331°

1632Z Gun #4 firing intermittently and with high
delay when firing

1634Z Gun #4 not firing

1635Z Gun #4 resumed firing

1911Z Sonoboy #4 thrown out, S.B. #30
DFS, Channel # ~~53~~ 53

2000 GANEY MCLOWAN & STEVENSON WATCHING ALLEN

2002 ALL TOWS OK

2031 SHOT COUNTER ADVANCED 4568 SHOT POINTS
WHEN THE DATA INTERCHANGE WAS BEING
WORKED ON — NO SHOTS MISSED

Reloaded Shot Counter to correct
Sequential SHOT# - changed DFS Log PG.

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4 AUG 80

TIME (Z)

OLD BAHAMIA CHANNEL

OBC-5

2230

ALL TOWS OK SEAS BUILDING
5 AUGUST 1980

0000Z

Austin, Taylor, ~~XXX~~ Gilroy5.1 kts
331°

0115

Change course c/c to 329°
(Ch. 29)

329°

0126

Sonobuoy #5

 in water on
DFS trace 53.

0355

c/c 331°

0400Z

Up at the crack of midnight!!!
Vasco, Rosencrantz, Angström

0545Z

Roscs are crantz
Violets grow in trees
Tows lookin' good
And the seastate is 3

0800Z

GANEY STEVENSON & McCOWAN WATCHING

0815

END OBC-5 - c/c 030° c/s 825/2 c/c c/s
TRANSIT TO LINE OBC-6DFS ON TEST MONITOR PULLED &
MARKED

0834

ALL TOWS OK

0841

c/s 800/2 c/s

0851

c/c 025° c/c

1048

c/c 030° c/c

1115

c/c 035° c/c

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TIME(Z)

OLD BAHAMA CHANNEL

CSE/SPD

1200Z c/c 040° c/s 825/2. STILL
TRANSITING TO OBC-6.

040°
~5.0 KTS.

1300Z c/c 035° c/s 800/2 Start
OBC-6
correction keep speed 825/2

035°

1352Z Gun #4 Off line

1400Z Gun #4 being pulled

1432Z Gun #4 (SPARE) into the water

1437Z SPARE GUN LEAKING AIR — PULLED
OUT OF THE WATER.

1500Z Spare Gun Back in Water
1508Z Still leaking — PULLED.
PROCEEDING WITH THREE GUNS.

1525Z c/s 850/2 Trying To MAINTAIN >5.0KTS.

035°
4.6 KTS

1600Z ~~Amphlett~~, Rosencrutz, Vasco enter
1813Z 4 guns firing

2000Z GANEY STEVENSON & McCOWAN WATCHING

2059Z ALL TOWS OK

2100Z GANEY & STEVENSON OK

2156Z c/c 030° c/c

2258Z c/c 025° c/c

2327 c/c 310° END OBC-6 BEGIN OBC-7

c/s 825/2

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5-6 AUG 80

TIME (Z)

OLD BAHAMA CHANNEL

2344Z

STEADY ON 310°

6 AUGUST 1980

0000Z AUSTIN, GILROY, TAYLOR ON WATCH. 310°
 LINE OBC - 7 ~ 5.5 KTS.

0040Z Streamer attempting to surface

0052Z C/S 850/2 to sink streamer

0055Z C/S 875/2 "Sink you Bastard"

0058Z C/S 850/2 Streamer not sinking.

0100Z C/S ~ 650/2 starting From scratch to sink Streamer
 ~ 310° ~ 3.5 KTS.

0130Z C/S 700/2 streamer sunk
 start returning to cruising speed
 correction ~ 600/2

0140Z C/S ~~300°~~ correction 305° 305°
 ~ 4.5 KTS.

0144Z C/S 650/2 Streamer will not stay down. ~ 3.5 KTS

0150Z C/S 675/2 TRYING TO FIND OPTIMUM CRUISING SPEED.

0224Z Lost Starboard Maggie putting port Maggie in water

0240Z Part Maggie Deployed

0246Z C/S 650/2 Streamer surfacing

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OBC-7

6 Aug 80

75

Time (Z)

0305Z Captain ordering ship off line, turning east \downarrow DFS shut down, C/S 700/2. CONTINUING To RECORD MAGNET + 3.5 KHZ. \nearrow 055°

0410Z C/S 800/2. COURSE = 055° \longrightarrow 045°
THEN CHANGED TO 045° WHEN \sim 4.0 KTS.
SPEED INCREASED.
COURSE = 045° SPEED = 800/2
STREAMER TOWING NICELY ON THIS COURSE + SPEED.

0450Z MAG. BROUGHT IN AND SECURED
0509Z BATH. SHUT DOWN
NOW ALL DATA GATHERING SYSTEMS OFF.

0520Z COMMENCING BRINGING IN GUNS -
0540Z C/S SLOW ON TWO

0650Z GUNS ABOARD - INCREASE SPEED TO 800 RPM ON TWO.
STREAMER AGAINST STBY SANCHON BUT MOVES AHEAD AS INCREASE SPEED & RECOVER 045° TURNING.

0630Z DEPTH INDICATORS SUGGEST THAT STREAMER IS "KILLING" IN PART -

0710Z C/S 650 RPM / BOTH ENGINES - ATTEMPT TO SINK STREAMER -

0730Z C/S 675 RPM / BOTH ENGINES - STREAMER SINKING -

0739Z C/S 700/2. STREAMER AT DEPTH. 045°

0800Z MCCOWAN WATCHING

1040Z GARVEY ON WATCH - NAVIGATION ONLY

FM05-3

6 AUG 80

TIME(Z)

OLO BATHAMA CHANNEL

CSE/SPD.

1052Z c/TURNING NORTHWARD - ~~HEADING~~ NOT DETERMINED
 1053Z TURNING TO PORT - coming around to ~~210°~~ 210°
 700/2.

1133 STEADY ON 210° CHECKING TOWS - OK
 TRANSIT BACK TO OBC - FB

1357 c/c 200°

1929 BEGIN TURN TO RIGHT TO REGAIN OBC-07 - DEPLOYING
 MAGNETOMETER AT THIS TIME - NEW COURSE TO BE 305°T.

1950 ON CSE 305°T -

1955 4 GUNS IN WATER - BRINGING UP GUN PRESSURES -

2000Z GUNS FUNCTIONING MCOWAN GANNEY & STEVENSON WATCHING

2003Z BEGIN RECORDING DATA -

2004Z BEGIN LINE DEC. DTB. SHOT #. 6151

c/305 S/700/2

Previous to START OF LINE - polarity reversed on
 trace 24 to correct the inversion

2130 ALL TOWS OK

2250 c/s 750/2

2352Z c/c 775/2

0000Z 7 AUG 80 - DATA NOT WRITING TO MONITOR!
 0001Z c/s 750/2 Gilroy, Austin, Taylor on watch
 0002Z change trace MONITOR TO TRACE # 47
 0010Z Streamer shows many (at least 16)
 dead sections. Will have to pull tomorrow
 for maintenance.

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7 AUG 80

TIME(Z)

"OLD BAHAMA CHANNEL"

CSE/SPD

3050

0259Z c/s 650/2. Streamer very noisy.
May be riding on the surface.

0312Z c/s 700/2.

0313Z SHUTTING DFS DOWN TO
MAKE SEIS (CONTINUITY) CHECK ON STREAMER

0320:25 Resume Recording ON DFS. DISCOVERED
A NUMBER OF BAD SECTION. PROBLEM MAY BE IN STRETCH SECTION.

0342Z c/s 750/2.

0400Z Angstadt, Rosencrantz, Vasco ride
here

0425Z - LAST DEPTH INDICATOR - #3 - NOT FUNCTIONAL -

0640Z Eagerly awaiting beloved streamer party
to the staff of the Fred H. Moore
Tows (broken) good and nobody is tardy
With the sea state approaching a four.

0800Z GANEY McCOWAN AND, AND, AND, ...
(LATER) STEVENSON ON WATCH

1050Z ALL TOWS OK

1200Z WORKING ON BACK DECK - GETTING READY TO
REPLACE STRETCH SECTION

1307 END LINE OBC-7B - WORK ON STREAMER trying to
correct Problems

1309 c/s DS/2

~~1357Z MAKE TOWS OK~~

FMOS-03

7 AUG 80

78

1357Z MAGNETOMETER OFF

1655Z STEERING / ENGINE CONTROLS SHIFTED FROM STERN TO BRIDGE / SLOW
AHEAD ON ONE ENGINE.1744Z TRACES 9, 32, 42 OPEN. 32 & 42 are
bad inboard of Stretch.1745. STEAMER OUT - ADJUSTING CSE TO 310° T - SPEED DEAD
SLOW ON 2 ENGINES.1753 - SLOW/ ON 310° T -

1759Z GUNS 1, 2, 3, 4 ON LINE

1800Z Begin recording on DFS Begin OBC-7C
(Trace #24 polarity reversed at beginning of this line)1814 C/C 315° C/S 775 / BOTH ENGINES -1823Z Dead slow on 2 OUTBOARD END OF STEAMER NEAR
SOURCE -

1830Z INCREASE SPEED SLIGHTLY -

1830Z C/S

1837Z C/S

1845Z C/S

Increase To
"

700/2

725/2

750/2

2000Z GANEY STEVENSON & MCCOWAN WATCHING

2020Z C/C 320°

C/C

2050Z END OBC 7C (AT LAST AT LAST)

GUNS DOWN FOR COMP MAINT DFS OFF

TIME(Z)

FMOS-03

7 AUG 80

OLD BAHAMA CHANNEL

~~2105Z~~ 2105Z STEADY ON 030°

2134 GUNS FIRING - ADJUSTING

2144 BEGIN LINE OBC-8

2221 START SLOW TURN TO 222° C/C 222°

2307 STEADY ON 222° Dead Slow 600/2.

0000Z August 8 1980

Austin, Taylor, Punk Suit.

222°

0006Z C/S 750/2 (McCOWAN FORGOT 222°
To SPEED Up) ← HORSESHIT (Dwight)

0121Z C/C 219°

0317Z C/C 216°

0428Z Gun #3 firing erratically.

0444Z ADJUSTING GUN 3 PRESSURE
REGULATOR, RETURNING NORMAL
FIRE TIMES.

0800Z GANEY, STEVENSON & DR. D MC TRY AGAIN

0824Z DEPTH INDICATOR #1 Oscillating 95/10
SWITCHED OFF

1111Z C/S 800/2

1123Z ALL TOWS OK

1130Z ADJUSTED GUN PRESSURES

1200Z AUSTIN, TAYLOR, "SON OF A COSSACK DOG"
GILROY ON WATCH.

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OLD BAHAMA CHANNEL

TIME(Z)

1250Z

C/S 825/2
C/C 219°C/S PD
SE1420⁴ZC/C 284° to go to
OBC 9. Trying to
do at same speedC/C
5.5 KTS.

1438Z

S/C 284° OBC-9

5.5 KTS.

1500Z

TURNED D.I. #1 BACK ON — SEEMS
TO BE O.K., ALTHOUGH STILL READING
Too SHALLOW.

1555Z

ALL TOWS CHECKED — O.K.

1600Z

Tasco, Amstadt, Rosemarie — "the crew that
doesn't write over D.F.S. tapes" — arrives on the scene

1601.

C/C 278°T.

2000 GANEY MCOWAN & STEVENSON WATCHING

2030 PATCHED SONA BUOY INTO TRACE 44
SINCE 44 WAS DEAD

2048 ADJUSTED GUN 3 PRESSURE

2050 ALL TOWS OK

~~2112~~ → C/C 283° C/S 150/2

C/C C/S

2137³⁰ Sonobuoy #6 over starboard side
Recorded on 44 & 53

2208 LOST SONOBUOY SIGNAL

FMDS-03

8 AUG 1980

LINE OBC-9 OLDE BAHAMA CHANNEL c/c c/s

2200Z CH 44 BACK ON SEISMIC DATA

2258Z END LINE OBC-9 c/s c/c
 BEGIN LINE OBC-10
 START SLOW TURN TO 131° c/c 131°
 INCREASE REV TO 77S/2 c/s 77S/2

2326Z STEADY ON 131° LINE OBC-10

0000Z 9 AUGUST 1980

AUSTIN, TAYLOR, GANEY ON WATCH
 (GANEY IS WATCHING GILROY)

0119 SONOBUOY PATCHED INTO ^{DFS} Channel 44
#530127 SONOBUOY #7 in the water
SONOBUOY CHANNEL 300128 Gilroy objects to recording with
so many parity errors — thinks
something is screwed up

0143 c/c 128°

0151 725/2 sink streamer
outboard end data
bad0203Z Magnetometer lost in space
being brought in

0225Z c/s 700/2. Ass-end of streamer c/s
 still not sinking. Maggie brought in O.K.
 — E.T.'s working on cable — seems
 to be break in on deck cable

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LINE OBC-10

TIME(Z)

OLD BAHAMA CHANNEL

CSE/SPD

9 August 1980

0240Z MAGGIE REDEPLOYED - O.K. C/S 725/2.
Rear end of streamer still too shallow

0255Z C/S 750/2

0305Z C/S 775/2

0317Z C/S 800/2

0327Z C/S Dead Slow/2

} Trying to sink rear of
streamer, which is
still too shallow.

0335Z C/S 775/2 Streamer end will not sink.
Suspect damaged birds are the cause.

0352Z C/C 124° COMPENSATING FOR WESTWARD DRIFT. C/C 124°
5.0 KTS.

0645Z Tows lookin' just dandy

0800Z GANEY STEVENSON & MCOWAN TAKE OVER

0900Z ALL TOWS OK

1028 DFS OFF FOR STREAMER REPAIRS

END SEGMENT OBC-10A

START SLOW TURN TO 310°

C/C

1034 MAGGIE BROUGHT IN & SECURED OFF

~~1044~~

1100Z 3.5 TURNED OFF

1125Z ALL GUNS OFF

1145Z ALL GUNS IN & SECURED

1706 310° ON COURSE

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LINE OBC-10

TIME(Z) OLD BAHAMA CHANNEL

CSE/SPD

1710 DEPLOYING STREAMER SECTION _____ BADLY
DAMAGED - WILL BE REPLACED

1907 - BEGIN C/C TO 225° T - ONCE STEADY ON 225°
INTEND TO STREAM ON THIS CSE FOR 1/2 HOUR THEN
CHANGE TO 118° T TO OBTAIN DATA END POSITION.
STREAMER STILL BEING DEPLOYED.

1924Z

S/C 225°

1954Z

C/C 118°

2000 MCCOWAN WATCHING GANLEY, STEVENSON

2203 STREAMER DEPLOYED

2215 MAGGY DEPLOYED

2216 C/S 775/2

C/S

2220Z MAGNETOMETER ON & RUNNING S/C 118°

2230 BATHYMETRY ON

2246 OBC-10B START C-118° SPD = ~5.5 KTS.

2305 Maggie printer operational again

2316Z C/C 112°

112°
~5.5 KTS.

10 AUGUST 1980

0000Z AUSTIN, GILROY, TAYLOR ON WATCH. AFTER A
LONG STREAMER PARTY, WE ARE FINALLY ON LINE
OBC-10B.

0105Z C/C 122° C/S 800/2.

0320Z C/C 131° C/S 825/2

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OLD BAHAMA CHANNEL

CSE/SPD

10 AUGUST 1980

OBC-10B

131°

5.0 KTS.

0354Z ALL TOWS CHECKED — O.K.
 0400Z VASCO, ROZENCRANTZ, ANGSTADT ON
 WATCH.
 0435Z C/C 128°
 0741Z C/C 151° — Turn onto Line OBC-11

151°

0800Z GANEY STEVENSON & MCOWAN WATCHING

0846Z ALL TOWS OK.

1200Z AUSTIN, GILROY [GANEY WATCHING GILROY],
 TAYLOR ON WATCH.

151°

~5 KTS.

1415Z C/C 153°

1550Z ALL TOWS — O.K. WEATHER IMPROVING
 SEAS DOWN FROM 6' TO 3-4.'

153°

5.2 KTS.

1600Z ANGSTADT, ^(WHO?) ROZENCRANTZ, AND
 VASCO ON WATCH. W/O MUSIC

2000Z GANEY STEVENSON & MCOWAN WATCHING ERIC

2007Z C/C 148°

C/C 148°

2040Z ALL TOWS OK

2151Z C/C 155° END OBC-11 BEGIN TRANSIT
 DFS OFF

C/C 155°

2336Z C/C 150°

FM05-3

OLD BAHAMA CHANNEL

Time

Aug 11, 1980

CGE/SPD

0000 Gilroy, Taylor, Austin, Stevenson (wandering through the lab)

c/c 140°

0200Z c/c 286° c/s 800/2 BEGIN OBC-12

0238Z s/c 286°

286°
~5.5 KTS.

0502Z c/c 303° T.

0545Z - c/c 300° T

0655Z c/c 290° T c/s 750/2 -

0800Z STEVENSON, GANET & M^cCOWAN RETURN

0805Z c/c 045° END OBC-12 BEGIN OBC-13

1016Z c/c 050° s/775/2

1021Z ALL TEAMS OK

1200Z Austin, Gilroy, Taylor

1339 steering 065° to avoid traffic

c/c 065°

1330 Stop Bathymetry temporarily -
changing monitor to EPC,
Bath to strip chart

1350 c/c 050° return to line

c/c 050°

1400Z c/c 038°
c/s 800/2 / correction 036°~~c/c 038°~~
c/c 036°

FM05-03

OLD BAHAMA CHANNEL

TIME(Z)

OBC-13

CSE/SPD

~1410Z 3.5 KHz EPC RECORDER SWITCHED 036°
 TO SEISMIC MONITOR BECAUSE RAYTHEON 5.5 KTS
 FLAT-BED IS MALFUNCTIONING. NO BATHYMETRY
 IS BEING RECORDED AT THE PRESENT TIME.

1536Z c/c 038°

1546 Sonobuoy #8 Monitor traces 53,44
 in on port side channel
 #30

~~1550~~ Sonobuoy #8 Bad

1605Z Sonobuoy #9 in water; traces
 53,44 on monitor; side;
 sono channel #30

1600Z ANGSTADT, VASCO, AND ROSENCRANTZ ON WATCH
 1605Z SONO ~~BAD~~ CHANNEL #30; TRACES
 53,44; SONO #9, SONO BAD.

1631Z Sonobuoy #10 thrown OVER STARBOARD.
 Sonobuoy Channel #28
 traces 53,44 → BAD

AT FIRST — THEN IT
 WAS FOUND THAT SONO. ANTENNA
 WAS DISCONNECTED IN THE LAB —
GOOD.

1727Z c/c to avoid ship to 060° 060°

1748Z c/c to 070°T - AVOIDING TRAFFIC.

1753 c/c TO 030°T

1800 ~~SONO~~ 'ON ~~ON~~ 030°T

1920Z Turn on to OBC-14 c/c 080°T.

1935Z on course on OBC-14 to 080°
 080°

0000Z GANNEY STEVENSON WATCHING

FMOS-03

AUG 11, 1980

TIME(Z)

OLDE BAHAMA CHANNEL

LINE OBC-14

2208 UPPER REVS TO 825/2

c/s

2220 ALL TOWS OK

12 August 1980

0000Z AUSTIN, TAYLOR, GILROY ON WATCH.
 LINE OBC-14. UPPER EPC REORDER NOW
 BEING USED FOR 3.5KHZ, LOWER EPC
 AS SEISMIC MONITOR.

080°
 5.5 KTS.

0130Z c/c 075° to avoid traffic

c/c 075

0148Z

c/c 080°

080°

0330Z

c/c 083°

083°
 5.1 KTS.

0350Z

ALL TOWS O.K. LEADER STREAMING
 30° TO STARBOARD.

0551Z

c/c 088°

0613Z

C/S

700 RPM

TRAFFIC APPROACHING FROM STBD
~~BEAT ON STERN~~

0700Z

QUARTER - MANEUVERING TO AVOID
 Streamer rubbing on starboard stanchion

0706Z

C/S 750 RPM

0707Z

c/c 090°

090°

0711Z

C/S 800 RPM

0715Z

STREAMER ANGLED TO RIGHT - BUT WELL CLEAR OF STBD

KINGPOT

AND #3 GUN CABLES -

0800

GANEY STEVENSON & M'OWAN WATCHING

0825

c/c 100°

c/c

0827Z

#1 D.I. OFF (100' #)

0831Z

c/c 090°

c/c

FM 05-03

AUG 12 1980

TIME(Z)

OLDE BAHAMA CHANNEL

LINE OBC-14

0930 Problems w/ gun #2 Switched gun coil
current from #2 to #1
gun #2 firing erratic

1010 ALL TOWS OK

1152 END OBC-14 DFS TO TEST
C/C 200° BEGIN TRANSIT TO OBC-15

1323 C/C 1900

1325 800/2

1415Z C/C 200°

1545Z Slow turn to 184°
825/2 to begin line
OBC-15

1545Z Ballistics apparently off during 184°
transit Now back on line ~ 5.5 KTS

1824Z C/C 180°

1930Z C/C 1770

1800
C/C

2000 GANEY & STEVENSON KEEPING WATCH ON McCOWAN

2030Z SONOBUOY #11 OVER STARBOARD SIDE

2109Z C/C 170°

C/C

2116 CAN'T HEAR SONOBUOY #11 ANY LONGER

2123 ALL TOWS OK

13 AUGUST 1980

0000Z

AUSTIN, TAYLOR, GLOY ON
WATCH.170°
~ 5.5 KTS

FM05-03

AUG 13, 1980

TIME (Z)

OLD BAHAMA CHANNEL

CSE/SPD

0050 c/c 1670

1670

0117.55Z

Sonobuoy 12 in the water
 Sonobuoy channel #30
 Monitor traces, DFS #53 and 44.
 OFF starboard side (streamer crabbing to port).

0200Z

c/c

1720

1720

0336Z

All Tows O.K. ——— STREAMER OFF
 To Port ——— BUT NOT ON THE
 STANCHION OR GUN BOOM.

1720
~5.0 KTS.

0350Z

c/c 1670

1670

0400Z

ROSENCRAUTZ, ANGSTADT, VASCO ON
 WATCH.

0640Z

Turn onto OBC-1^{1/2}

c/c TO

3320

0712Z

ON CSE 3320 T, C/S 775^{RPM}/2 engines —

0736Z

C/S 700 RPM STREAMER AT SURF
 LEVELS — ABOUT 30 FEET — SLOWED TO SINK STREAMER —

c/s

0745Z

STREAMER DEPTHS — 65', 65', 45', 52', 40' OUTWARD TO
 IN BOARD. CHANGE SPEED TO 725 RPM / BOTH ENGINES.

c/s

0800Z

GANEY STEVENSON & MCOWAN WATCHING

0858

STREAMER DEPTHS OK

1022

CHANGE LEFT TO 3250

c/c

1032

ALL TOWS OK

FMOS-03

AUG 13 1980

TIME(Z)

OLD BAHAMA CHANNEL

c/c c/s

~~0000~~ 1135Z

c/c 330°

c/c

1200Z

AUSTIN, GILROY, TAYLOR

ON

WATCH

330°

OBC-16.

~5.0 KTS.

1215Z

c/c 327°

1430Z

GUN #2

FIRING

"80"

EVERY

ONCE

IN A

WHILE.

1520Z

Start slow turn to 204° and
begin OBC-17

1543Z

s/c 204°

OBC-17.

204°

c/s 750/2 (from 725/2)

~5.5 KTS.

1600Z

VASCO, ANGSTADT, ROSENCRANTZ ON
WATCH

2000Z

GANEY STEVENSON & MCCOWAN WATCHING

1630Z-2005Z

NO BATHYMETRY DATA RECORDED

3 1/2 hrs of PLAYING WITH

WASTED
DATA
HOBBY!~~RECORDED~~ THE EPC

Recorder to obtain FAIRFAX WEATHER

MAPS -

A-FOUL

~~RECORDED~~

Patty Ganev

2220

END LINE OBC-17 START LINE OBC-18

c/c

START SLOW TURN TO 328°

INCREASE REVS TO 775/2

c/s

14 AUGUST 1980

0000Z

Taylor, Gilroy, Austin, OBC-18

328°

6.2 KTS.

0005Z

c/s 750/2

FM 05-03

AUG 14, 1980

TIME(Z) OLD BAHAMA CHANNEL

CSE/SPD

0230 c/c 348° to end OBC-18 and start transit

0233z s/c 348 ——— transiting.

348°
~ 6.0 KTS.

0240z All Tows OK. ———

0610 CHANGE CSE TO 294°T @ 5°/min - TURNING FROM TRANSIT
LEG - TO LINE OBC-19.

0621z START OBC-19

0622z c/c ON COURSE 294°.

0652 c/s 700 RPM / ON BOTH ENGINES AS

STREAMER TOWING "HARD" AND SHOWING A SMALL TENDENCY TO
RISE - REDUCING ENGINE RPM'S APPEARS TO SOLVE -

0750 c/s 675 RPM / BOTH ENGINES —

0800 MCOWAN ON WATCH
0801z STEVENSON ON WATCH0829z SONOBUOY #13 GOES OVER DA SIDE0832z SONOBUOY NOT TRANSMITTING / NO GOOD0839z SONOBUOY #14 GOES OVER STB SIDE

0849z c/s 700/2.

0854z SONOBUOY DEAD → PROBABLY
CUT ON STREAMER.

1007 ALL TOWS OK

1048 c/c 297°

c/c

FMOS-03

AUG 14, 1980

TIME (Z)

OLD BAHAMA CHANNEL

LINE OBC-19 c/c d/s

1120 SONOBUOY #15 OVER PORT SIDE

1200Z AUSTIN ON WATCH. TAYLOR + GILROY
ASLEEP.~~14:05:25~~14:05:25 Sonobuoy #16 in water on port side 297°
Monitor traces 44, 53 5.7 kts
Sono channel #30

1520Z ALL TOWS CHECKED - O.K.

1600Z A, V, & R ON WATCH.
(THE AVERAGE WHITE CREW)

1655Z End OBC-19, turn onto OBC-20 to 325°

1700 SPEND ON CSE 325°T —

1847Z c/c 322° 322°

1910Z Stop 3.5 kHz Recording TO STIMBE PAPER, CLEAN, ETC.

1920Z 3.5 kHz AWW RECORDING -

2000 Garey, Stevenson & ~~McCowan~~ McCowan on Watch

2130 ALL TOWS OK

2130 - WEATHER REPORT - Wom - MIAMI
W-10-15 KTS SSE SEAS - 3-5 ft
STATIONARY HIGH PRESSURE Ridge 28°N
CARIBBEAN - NO SIGNIFICANT MOVEMENT

0000Z Austin Gilroy and Taylor on

0030Z Start turn to 216° and OBC-21

FM 05-03

AUG 15, 1980

TIME(Z)

OLD BAHAMA CHANNEL

CSE/SPD15 August 1980

0050Z

S/C 216°
C/S 750/2OBC-21216°
~5.5 KTS.

0240Z

C/C 213°

0240Z

Hello!

0308Z

C/S 650/2

coming around to
the left 185° 180°

0321Z

C/C 175°

170°

0327Z

S/C 170°

to allow Russki
to pass ahead of us

0331Z

C/C 165°

0346Z

S/C 160°

~ 4.0 KTS

0349Z

C/C

still coming around to
left

0353Z

streamer
porthard against
station

0354Z

C/S 700/2

0358Z

Russki
Moore

stalking the Fred

0404Z

C/C 090°

0406

STEADY ON 090° T

0423Z

SLOW

TURN LEFT

Back

to LINE

OBC-21 @

5°/min.

0509Z

STEADY

ON 800 RPM, COURSE 222°

FMOS-03

AUG 15, 1980

94

TIME(Z)

OLD BAHAMA CHANNEL

c/c c/s

LINE OBC-21

0800

GANEY MCCOWAN & STEVENSON WATCHING

0850

END LINE OBC-21

BEGIN LINE OBC-22

START SLOW TURN TO 340°

c/c

0915

STEADY ON 340°

s/c 340°

1148

c/c 342°

342°

5.3 KTS.

1335Z

c/c 344° c/s 800/2

1412Z

c/c 347°

347°

~5.5 KTS.

1520Z

c/c to 220° starting slow
turn onto OBC-23

1530Z

c/s 750/2

1545Z

s/c 220° OBC-23

220°

~5.5 KTS.

1555Z

ALL TOWS CHECKED - O.K.

1600Z

The cries of Vasco, Angstast, Rosencrantz
split the night

1639Z

c/c 218°

218°

1735Z

c/c 213°

2000Z

GANEY STEVENSON & MCCOWAN ON WATCH

2047

c/s 225/2 TO AVOID SHIP

2050

ALL TOWS OK

FMOS-03

AUG 15 1980

95

TIME(Z)

OLD BAHAMA CHANNEL

LINE OBC-23

c/c c/s

15 AUGUST 1980

2052

BACK DOWN TO 775/2

c/s

2120

END LINE OBC-23 START LINE OBC-24
START SLOW TURN TO 305°
DROPT REVS TO 725/2

c/c

c/s

2130

CHANGING COMPRESSORS

2140

FIRING TIMES ORANGE

2138

STEADY ON 305°

2152

Adjusted gun pressures

2157

SONOBUOY #17 OVER STB SIDE

2253

PRESSURE DROPS, ALL GUNS OUT SHPT 5840

2302

UPPED REVS TO 750/2

c/s

2305

SWITCHING BACK TO Port Compressor
Cooling Pump ON STARBOARD compressor out

0000Z

Aug 16 1980

JG and the
"Problems"
take watch

0117Z

c/c 307° c/s 800/2

0400Z

Vasco, Rosencrantz, Angstadt
face the DFS + join the Red Army -
whichever is more menacing

0515Z

c/c

3050

3050

0650Z

c/c

3070

3070

0731Z

switching leads of guns #1 + #2

0745

c/c 305°

FMOS-03

AUG 16 1980

TIME(Z)

OLD BAHAMA CHANNEL

LINE OBC-24 C/C C/S

~~0800~~ ZGANEY, STEVENSON & McCOWAN ON WATCH
STEVENSON & M. BUTTERFIELD WORKING ON GUN # 1

0932 DECREASE REVS TO 775/2 C/S

0946 4 GUNS UP & FIRING Butterfield Strikes Again!

1007 ALL TOWS OK

1058 - OPEN FRONT OF DATA INTERCHANGE - MANY
EXTRA TIME MARKS

1110 - ADJUSTED GUN PRESSURES

1200Z - AUSTIN, TAYLOR, GILROY, and their
admirers enter the lab.307°
~5.5 KTS

1242Z C/S 800/2

1251Z Sea State 1 All tows dandy

1336Z Sonobuoy (Ch. 29) in water on
starboard side. Monitor traces
44, 53. Sonobuoy # 18

1503Z C/S 775/2

1600 - V, A, R, hit the lab

1630Z Turn onto OBC-25

C/C 291°

1641Z C/S 800/2

1646Z C/S 775/2

1800 - ENGINEER'S CHECK OF AIR PRESSURES, ETC SHOWS MANIPULATED
PRESSURE AT 560 PSI -

FMOS-03

AUG 16 1980

TIME(Z)

OLDE BAHAMA CHANNEL

LINE OBC-25 c/c c/s

2000

GANEY STEVENSON & MCGOWAN WATCHING

2031

CHANGE COURSE TO 287°

c/c

2052

ALL TOWS OK

2200

GALVO CAMERA DOWN

2225Z

EXCESS DUTY LIGHT FLASHING ON
PTR XCEIVER. POWER OUTPUT CUT TO -6db

2328Z

UPPED REVS TO 800/2 TO AVOID TRAFFIC

c/s

0000Z

Aug 17 1980 / AUSTIN, GILROY, TAYLOR

0010Z

c/s 775 1/2

0031Z

c/c 285°

0039Z

650/2

slowing to let ship
pass

0053Z

775 1/2

ship by safely

0220Z

c/c 287°

0246Z

All

TOWS

CHECKED (ON

287°

287°

WAY

To

EMPTY

GARBAGE!!!)

— O.K.

5.5 KTS.

0400Z

A.V.

W, W, ON

WATCH

0416Z

c/c

290°

0506 c/c

293° T.

0527Z

c/s

675/2

Compressor down. Ship slowed
because air guns no longer firing. Compressor throttle worked better -

0540Z

Compressor back on, guns firing

0550

CHANGE CSE TO 315° T - END OBC-25, BEGIN OBC-26.

0555

STEADY ON 315° T.

0705

c/s 775 RPM / BOTH ENGINES

FM 05-03

AUG 17 1980

98

TIME(Z) OLD BAHAMA CHANNEL { LINE OBC-26 c/c c/s

STRAITS OF FLORIDA { LINE SF-26

0800 GANEY, MCOWAN AND STEVENSON WATCHING

0840 BRIDGE MISTAKE, STEERING 285° FOR A BIT
CORRECTED c/c 315° 0903 c/c 317° 0909 c/s $750/2$

c/c

c/s

1006 ALL TOWS OK
1045 ~~1006~~ END OBC-26, BEGIN SF-26 START SLOW TURN TO 280° c/c
1053 STEADY ON 280° 1057 UPPED REVS TO $775/2$ c/s1107 LOWERED REVS TO $750/2$ c/s1115 LOWERED REVS TO $725/2$ c/s1135 LOWERED REVS TO $700/2$ c/s1200Z AUSTIN, TAYLOR, GILROY ON 280°
WATCH. THIS IS SF-26 ~ 5.5 KTS.1350Z c/c 272° 1545Z ALL TOWS CHECKED — ALL O.K.
EXCEPT GUN #4 CHAFING GEAR HAS
SLIPPED AND NEEDS TO BE REPAIRED/
REPLACED.

FMD5-3

99
AUG 17

TIME(Z)

~~OLD BAHAMA CHANNEL~~
STRAITS OF FLORIDA

SF-26 C/C 95

1600Z

ROSENCRANTZ, ANGSTADT, AND
VASCO ON WATCH.

274

1622Z

C/C 274

1840Z

start turn out to SF-27 (2940)

1844Z

On course 294°, SF-27

294°

1933Z

Course Change 290°

290

2000Z

GANEY, STEVENSON & McCOWAN ON WATCH

2002Z

C/C 285°

C/C

2022Z

C/C 280°

C/C

2037

C/C 290° to avoid an approaching ship

2041

ALL TOWS OK

2131

C/C 285°

C/C

2200

C/C 290°

C/C

2300

C/C 295°

C/C

2340

C/C 290° C/S 750/2

C/C 95

0000Z

The "No Problems" Live in
in concert with Pink Floyd,
Fleetwood Mac, Blood Sweat and
Tears, The Rolling Stones and
Joe Cocker - For a fun time

290°
~5.5 KTS.

0046Z

C/S 775/2.

0106Z

C/S 800/2

FM05-03

18 AUGUST 1980

TIME(Z)

STRAITS OF FLORIDA (SF)

SF-27

CSE/SPD

0128Z C/S 825/2

290°

0140Z C/C 287°

287°

0200Z C/C 284°

284°

0215Z ALL TOWS CHECKED - O.K.

0315Z C/S 850/2 Fred Taylor asleep
Filthy lie you CSOB0323Z Gilroy comes back from
bridge to find Gun #2 at
80 city.03³⁰~~00~~Z C/S Dead Slow. Compressors out 281°
All guns down C/C 281°0335Z C/S 875/2. Guns coming 281°
back up. Compressors functioning. Gun #2 ~5.5KTS.
still out — being brought to the surface
— may be clogged orifice0400Z Something more complex is wrong
with Gun #2. Mike is working on the
problem.

0413Z C/C 278°

0515Z GUN #2 HAS BAD LID PLATE -
CANNOT BE REPAIRED.

0700Z - C/CSE TO 245° - END SF27, BEGIN SF-28.

0707Z ON CSE 245° T -

0753 C/C 240° T -

FM 05-3

18 AUG 1980

TIME(A)STRAITS OF FLORIDA SF-28^{CSE/SPD}

0900

MCOWAN WATCHING

STEVENSON WATCHING

GANEY ON WATCH

1040

C/C 230°

C/C

1200

C/C 235°

C/C

TROUBLE WITH DFS - DATA LIGHTS
EVIDENTLY BAD TAPES

1240

C/C 240°

C/C

1300Z

AUSTIN, GILROY, TAYLOR ON WATCH
LINE SF-28.240°
~4.1 kts.

1430Z

C/C 243°

C/C 243°
~4.3 kts.

1500Z

C/C 248°

248°

1520Z

C/C 245°

245°

1640Z

C/C 243°

243°

1700Z

Angstadt, Rosencrantz, Vasco should be watched

1934Z

C/C 248°

1957Z

C/S 925 RPM

2100

GANEY STEVENSON & MCOWAN WATCHING

2137

ALL TOWS OK

0000

C/C 243°

19 AUGUST 1980

C/C

0100Z

AUSTIN, GILROY, TAYLOR ON WATCH

0200Z

C/C 248°

TIME(Z)

FM05-03

CSE/SPD

STRAITS OF FLORIDA, SF-28
19 AUGUST, 1980.

0214

Gun #1 to 80 city

0216

Gun #1 O.K. — switch on
gun box was switched "off."

0300

c/c 251°

251°

~4.1 KTS.

0410

c/c 256°

0430

c/c 253°

~4.2 KTS.

0453

ALL TOWS CHECKED — O.K.

0730Z

END SF-28

0740Z

c/c → for transit to Galveston

301°

0741Z

Goodbye Summer

301°

0750Z

Remaining guns (#1, 3, 4) aboard
and secure.

0805Z

Maggie in and secure.

0900Z

STARTING TO RECOVER STREAMER

1408

STREAMER ON BOARD, HEADING
FOR THE BARN

FINIS