South Carolina - Charleston

8/8/94

Depart St Pete 1100. Jack K, Dana W, Jim F. Arrive Folley Beach S.C. 2030.

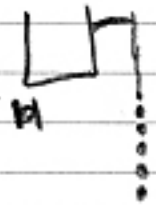
8/9/94

900 Set up seismic gear on the MS Constal, Ashley River Marina - Charleston.

1400 Test run Charleston Harbor, test bomer / Hydrophone contig. (Ashley River 39°46'09.21", 79°56'31.82"N) test run Wapoo waterway Fix 102 recording begun record (time 1510) Shot 1 @ 191138 Z EOL 1517

8/10 930 Deploy boomer/phones, outside jetty at Charleston inlet.
32°43.6' N, 79°51.242' W
SC810-2 SEAS CALM, SUNNY
START RECORDING @ FIX # 12 93151

present config.



currently 175 j

zulu

EOL 810-2 134704 Due to traffic

Turn around, begin line SC810-3 @ 752
lower power to 75 j to decrease noise.
EOL @ ~ 140015, turning

Begin line 810-4 @ 140216 z
line out on boomer and phones about 3m
seems to decrease noise slightly @ 141431

running parallel to beach.

pausing to increase power to 175 @ shot 74 (142604)

Start line 4 @ 1004 shot 67

~~Fix~~ 145044 lost nav. (missed @ Fix 108)
Return @ Fix 109

Approach Foley Beach run at about fix 154
appx 11' water depth.

EOL 810_4 @ Shot # 217 163445 z

New line @ Holiday Inn Pier at 1238 (163646 z)
c/c seaward @ shot # 244 170153
running parallel to swells on seaward line
c/c at 172613, dogleg

EOL SC810_5 # 298 1354
SOL SC810_6 # 299 1355

Sea State has increased to
1' swell w/ chop & white caps

c/c @ 181041
EOL @ Fix # 363 185646

~~So~~ c/c parallel to shore turning into swell
SOL SC810_7 @ 185847 z
EOL 1953 1555

All times today are Zulu

8/11
Depart Ashley Marina Dock 720
Arrive site just outside of Charleston inlet
jetties @ 805. Deploy sesimic.
First line of day: SC811_8 121321 z
Seas small chop, small swell. Skies clear
Break after 121721 to change filter and settings.

Fix 46 125276 begin testing plate/phones
EOL 130843

New line SC811_9 @ 131044 Fix # 64
EOL 134939 Fix 108

~~New~~ c/c parallel to shore (around lighthouse)
make adjustments to High/Low Pass filter
for "TVG" filter

New line SC811_10
Adjustin filter gain - nav still on
135340 - 140348 (Fix 125)
Bad fix at Fix 192 (Zulu time off)
EOL 154921

New line SC811_11 155121
EOL SC811_11 171117 Shot 237

New ti

New line SC811_12 ~20 m water depth
changed record length to 124ms
171617 shot 332

182053 Pause, dropping sled back.
Nav. still going. Phones brought in

182501 Continue
182902 Stop ~~sa~~ drop sled + phones back
183002 Continue
EOL 183102
heading shoreward

Start line 811_14 183402 Fix 417
EOL 811_4 1858 445

SOL 811_15 1859 446
inc spd 451

EOL 811_15 #517 200011
S
SOL 811_16 ↑ power 375j ~~500~~
200413 ↑ shotint to 500ms
start 201015 ↑ reset auto. gain
202618 pause to reset power
202718 resume
EOL 203319 Fix 550

8/12
Depart Ashley Marina 715, heading for Lighthouse.
moderate chop low swell. Skies clear.
Arrive waypt. 845 deploy seismic

Start line 812_17 Loran coord 45511.3, 60574.0
125258z 60j Fix 12
Recording at 125639z Fix 17

~Fix 76.5 turned seaward to follow possible channel. (~135350)

14113 rain
rain stopped appx. 15 min.
EOL ~Fix 107, 106z 150338

Start line SC812_18 mod. chop, mod. swell
150840 Fix 165
EOL 155956z Fix 216

Start line SC812_19 160356z Fix 220
big storm coming
EOL Fix 270 last paper fix 265 165309

A

8/14
Bohicket Marina.
Depart ~800. Check North Edisto inlet
seas to rough. Decide to survey Edisto river
60 J
Start ~~recording~~ printout @ 132217, not recording
add buoy at 132817 for visibility

Pause to remove buoy
resume at 133925, circling to head
upstream
SC814_20
pause at 141643 to up power to ~~75~~ 135j
resume 141743
pause at 142255 to restore power to 60j
resume 142355

pause @ ~~1846~~ 151655 to increase power to 135j
resume 151755
EOL at Fix 190, turning around - going down stream

New line SC814_21 @ 161215 Z
EOL @ 164318 heading to white's point

New line SC814_22 @ 171701 Fix 269

Fix 280/281 slow to stop for large vessel passing
course change between Fix 286 and Fix 287 - buoy 110 into ICW
17-32-28

fix 335 enter dredged channel cut through marsh
fix 339 leave dredged channel
EOL 194408 Bad signal due to dredging?
returning to N. Edisto River to try Steamboat Channel.

New line Fix 436 194201 z
SC814_23 ~~Ste~~ Upstream Steamboat Ch.
EOL the inwl North Edisto line
fix 490 > 202703

8/15 Bohicket River

Winds 15-20 knots, seas 4-5 ft. After inspecting offshore at North Edisto inlet, decide to head up Bohicket river because South Edisto will take a full day. Arrive top of Bohicket 1115, tide coming in.

New line SC815_24 < 151740 60j
pause after fix 15 to ↑ power 135j

lower ↓ 154749 - 154849 to 60j
EOL > 185731 ~Fix 45

New line SC815_25 195447z Fix 301
Toogoodoo Creek
end of line, end of day > 205532z ~Fix 365

8/16

Leave Bohicket Marina ~ 730

New line northern South Edisto River

SC816_25 133521 @ fix 10

Stiff wind, some chop, too rough for open water

Chop increasing

Fix 68 142042 ↑ power to 130;

averaging ~4 knots (GPS)

Fix 143: coming around head, seas roughening

EOL @ > 170700 ~ Fix 240

New line SC816_27 @ 170637 Z ~ Fix 267

Fenwick Cut 174109 - 174512 record good

coming in and going out, but bad in between

EOL Fix 335 @ 184229

8/17

Pohicket River looking for previously located channel.

New line SC817_28 124234 Z w/wind
EOL 130653 against tide
2.5 knots

New line SC817_29 131056 Z
heading into wind w/tide 5 knots
EOL 131215

New line SC817_30 at Church Creek near waterway
152839 Z
EOL 161606 Z

New line SC817_31 white Pt/ Intercoastal waterway
165422 Z
EOL 190317

8/18

900 Couldn't get through N. Edisto inlet, drop sled at inlet mouth and head ~~up~~ upstream to Bohicket

New line SC818_32 130915 z Fix 8
Fix 52 power change to 135;
EOL 107 > 144743 z

New line SC818_33 waterway at Charleston Harb.
131502 z Fix 312
EOL Fix 350 ~1853

8/19

Charleston Harbor - Middle Grounds

New line SC819-34 122159 Z Fix 24

1229262 lower power to 60; from 225 (?);

1230262 ↑ power 135;

EOL Fix 120 141653 Z 10:18