

5/10/06 Fla. Shark Habitat Mapping 06
 06 FSHM leg 1. Sidescan Sonar, Multibeam,
 CHIRP. Crew Dana W., Rich Y., Jim F.
 Survey south of Big Sarasota Pass. Overlapping
 Twitchell mosaic and extending south ~ 7km
 Skies clear, seas 1-2' wind 15 kts SW.
 Running 80m swath with Line file
 06 WFSHM 01 v 4 grid line

132222

Chirp sol 06c01, running circles 500 kHz

132346 sol Sidescan 130-1323.XTF 100m on a side

1324 Turning SW onto hypack line 12

1326 saving swath 2006mcy10-132552-5x 3.7 kts

132742 lat 27°16.0109 long, 82°34.7013 wd. 27.5'

133838 Multibeam stopped. 27°15.44

1343 Restart Swath (line name 132552) - same
 line name, different location.

134516 picked up crab pot on sidescan drop

1409, didn't start logging Hypack until now: 012-1408.130

1415 No chirp annotation to this point eol

1417 Start new Chirp line 06c02

1430 eol (seen note*) turning

5/10 cont.

143642 Sol Hypack 006-1436-130

Chirp line 06:03

Sidescan 130-1436, Swath ¹⁰⁻¹⁴³⁶⁴² ~~may 9 survey~~

143845 on line

* Note. 3009302 lat 27°11.8975

From prev. page. Don't have time to run grid up
lines @ 1.5 hrs. w/ only 9 days survey time. So
reducing lines by 1/2 hour. Rewrite grid 06WFSHMO1V5g

1448 lowered Chirp low feed

ed. 1535 end of line, NW section turning seaward

1536 start new Hypack line 011-1536-130

1539 turning onto Hypack grid line #11

Sol 154106 Sidescan 130-1541, Swath ^{11:10} 154132

chirp 06:04

1642.33 ed at eol turning seaward

Sol 164702 Hypack 016-1646-130, chirp 06:05

Swath 10-164759, Sidescan 130-1648

1652, striations in sidescan ^{is} ~~are~~ probably rolling

174520 at eol. turning seaward

~~1834 features on sidescan~~

5/10 (cont.)

174957 sul hypack 020-1749.130 chirp 06c06

Sidescan 130-1750, Swath 10-175221

Heading SW. Lat $27^{\circ}15.3609$, Long $82^{\circ}35.3478^{\circ}$

w.d. 33.3'

184939 eol, turning seaward

185325 sul Hypack 024-1853.130, chirp 06c07

Sidescan 130-1853, Swath 10-185340

Heading NW. Lines covered (from new file v.5)

So far: 1, 6, 11, 16, 20, 24

194916 eol, turning seaward

195307 sul hypack line 28 028-1952.130

chirp 06c08, Side scan 130-1955

swath 10-195529

205130 eol

2059 running a NW line in between lines 17 & 18

Hypack 017. 2059.130 chirp 06c09

Swath 10-210122, sidescan 130-2101

215644 eol, eol.

5/11 Fla Shelf Habitat Mapping 06F54M 01
Continuing Sidescan Swath, Chirp grid.
Seaward side. Skies clear, seas 1-2' swell 1'
12' NE winds. Crew Dana W., Dave B., Tim F.

130724 (907 local) Sol Hypack line # 32 File name
032-1307-131, Sidescan 131-1307
Swath May 11-130727, Chirp not ready
1311 already ran this line - eol.

1324. On correct Hypack line # 32 File name

032-1323-11, Chirp 06c10, Sidescan 131-1324,

Swath May 11-132414, heading SW, speed 9, wind 35'

1357 Reflectors showing up on sidescan

1408 Chirp increasing.

1418 features on sidescan.

142654 eol., turning seaward.

143130 Sol, Hypack # 36 File name 036-1431-131

Chirp 06c11, Sidescan 131-1431, Swath 11-143141

1449 features seen in sidescan are surface waves.

153046 eol heading offshore, line 39

1535 Sol, same Hypack file, Chirp 06c12

Swath 11-153609 sidescan-131, 1535 heading SW

5/11 (Cont.)

164420 Sol hypack 044-1644.131 hypack (line 47)

Chirp 06c13, sidescan 131-1645, swath 11-164549

1702 features in sidescan

174412 eol, turning seaward.

175628 Sol hypack 048-1756.131 (line 48)

Chirp 06c14, sidescan 131-1757 swath 11-175752

1834 features on sidescan.

1835 eol, heading seaward

1909 Sol hypack line 52, filename 052-1909.131

Chirp 06c15, swath 06c15 11-191422

Sidescan 131-1917

1934 possible sand waves in Swath

2006 eol.

2009 Sol hypack "56" filename 056-2009.131

Chirp 06c16, sidescan 131-2010 swath 11-201035

heading SW, w.d. 34.5, Lat $27^{\circ}14.4177$ Long $82^{\circ}35.7284$

2114 eol eol. Seas 2 rough

5/12

Running Hypack line 34 NE-SW. Seas very rough

4' winds 20 kts NW. Probably won't work.

131839 Sol hypack 034-1318.132 SS 132-1316, swath 12-131712

Lines
Completed

5/12 cont.

1358	Features on sidescan	1
1408	possible sand waves	6
1428	eol. turning shoreward	11-14
143332	sal hypack 30, filename 030-1433.132	16
	side scan 132-1434, swath 12-143442	17-5
155658	eol. turning shoreward	20
160549	sal hypack 26 filename 026-1605.132	22
	swath 12-160653, ss 132-1606	24
171237	eol.	26
171844	sal hypack 22 filename 022-1718.132	28
	ss- 132-1719, swath 12-172015	30
1852	eol	32
185719	sal Hypack "14" 014-1857.132, closest to shore. ~.7 km from inlet, Landing Sw,	37
	W.D ~ 29' ^{ss} 132-1857, swath 12-185727	39
195911	eol, eol.	41
2139	eol, eol	44
		48
		52
		56
		60
		64
		68
		72
		76
		80

Scott McBrat

412-975 9520

5/15 FSHM Gnt.

Continuing survey (crew Rich V, Nick F, Dana W.)

Jim F. Skies overcast, seas 1'

134942
sol hypack filename 037-1348-135 (line 37)

sidescan file 135-1348 swath 15-134817

1421 changing swath line # to 15-142136
(reducing file size)

1442 eol, turning seaward.

1445 sol 41 hypack filename 041-1445-135

swath 15-144631, sidescan 135-1446

1504 start new swath line 15-150440

1554 sol hypack 60 filename 060-1553-135

swath 15-155309, sidescan 135-1553

running CHIRP 06017

← Changed to 100 kHz
(was 500 kHz)

1646 eol

1652 sol hypack 61, filename 061-1651-135,

CHIRP 06018, sidescan 135-1651, swath 15-165219

heading NE, w.d. 35.6'

1715 features in sidescan

1721 start new swath line 15-172114

1749 eol

1753 sol hypack filename 066-1753.135

sidescan 135-1753, chirp 06c19, swath 15-175320

1823 features in sidescan

Start new swath 15.182346

1844 eol.

1847 sol hypack 72, filename 072-1847.135

chirp 06c20, swath 15.18400, ss 135-1848

1946 eol

1949 sol 76, hypack filename 076-1949.135

chirp 06c21, swath 15-195008, ss 135-1949

2010 reduce speed for traffic

2013 feature in sidescan is possible boat wake

2024 New swath line 15-202423

2025 Features in sidescan

2040 eol

2043 sol hypack 80, filename 080-2043.135

chirp 06c22, sidescan 135-2043, swath 15-204405

2139 eol, eol

5/20 Dave, Nancy, Lisa, Nick

11:10, 36 knots @ pass, Forecast - ugly

Continuing grid. Skies clear, seas 2' NW,
winds N10 kts.

Starting fill-in lines w/ line 46. Sidescan (100 kHz)

Swath, (no chirp.) Crew Dave B, Dave W., Jim F.

1350 (SSO local) Sol 046-1350.140 Hypack line 46

Swath 2006 mcy 20-135042. SS 140-1350

1439 sol. turning seaward grid features

1444 sol hypack 50 Alacran 050-1444.140

SS 140-1448, swath 20-144531

1545 sol turning seaward

1549 sol hypack 54 Alacran 054-1549.140

SS 140-1549, swath 20-154948

1635 sol

1639 sol Hypack 58, Alacran 058-1638.110

SS 140-1639, swath 20-163995 heading NW into
sea, w.d. 32.5'

1655 possible hardbottom on SS, turtle sighting

1715 Features on SS

1739 sol, turning seaward

→

5/20 Continued

1741 sal hypack 62, file name 062-1741

ss. 140-1741, swath 20-174131

1802 features in ss

1826 eol, heading seaward

1833 sal hypack 66, file name 066-1833.140

swath 20-183349, ss 140-1833

1930 eol

1934 sal hypack 70, file name 070-1934.140

ss 140-1934 swath 20-193433

2006 lines in seafloor possible jet bubbles in ^{wave} trough?

2019 eol eol

5/22 FSHM

Continuing good, outside Green Rich V., Dana W.
Jim F. skies overcast, seas 1' chop, 11 kts NW. wind

1250 sal hypack 74, file name 074-1256.142,

swath Mar22-125942 ss. 142-1259 heading

sw w/ seas. w.d. 36.8'

1346 eol, turning seaward

1350 sal 78, file name 078-1350.142, ss 142-1350

swath 22-135054

5/22 cont.

1425 letting autopilot run boat - may produce
similar track line

1442 eol.

1451 sol hypack 82, filename 082-1451.142

swath 22-148259 ss 142-1451

1515 10's features in sidescan

1531 dropped speed to 2 kts to test
swath width

1532 resume speed.

1537 eol

- Changed line file to Allingers - new
line file is 06WFS100 - Allgers

1602 sol 42.5 filename 42.5.142, heading
NW, wd. 33.5, ss 142-1603, Swath 22-1603/6

1656 eol

1715 sol hypack 12.5, filename 12.5.142 heading

SW 30.5' wd, swath 22-1715/6 ss 142-1715

1744 interesting linear features

1759 eol

1802 sol hypack line 9, filename 9-1802.142

swath 22-180310 ss 142-1802

5/22 cont.

1855 eol.

185654 sol hypack line 5 - note - this line is positioned as line 7.5 on earlier line file.

SS 142-1857, Smith 22-185718

1906, slowed down to adjust Smith file

1948 sol hypack line 4 file name 004-1945-142

(note - actually never stopped recording from previous line - just renamed file), SS 142-1948

Smith 22-194826

2042 eol, eol, eol