

16/03 035CC leg 3 Seismic Survey

Sidescan / CHIRP Survey Bridge pits J1 - J2 just  
NE of wine S.S. Pass and NE of Ilse Piers.  
Skies clear, seas calm. Crew Dave B., Jack King,  
Dana W. Jim F.

Running Sidescan off Port Stern, CHIRP stable Stern  
CHIRP has pressure sensor, calibrated to waterline  
HYACK recording Bathymetry, DGPS, CSI wireless

Chirp  
035CC03\_01 Soc 201547 (1515 local) J1J2 survey line 10  
Hypack 010-2016.RAW, Recording Sidescan  
2037 EOL

Soc 035CC03\_02 204238 J1J2 survey line 14  
Hypack 014-2042.RAW heading NE  
2059 EOL turning

Soc 035CC03\_03 Chirp 2101 - into turn  
Hypack 005-2102 Soc. J1J2 survey line 9  
212502 EOL, turning NE

Soc 035CC03\_04 Chirp 2129  
Hypack 005-2129.RAW J1J2 survey line 5  
2144 EOL, turning SW.

Soc 035CC03\_05 Chirp 2149 J1J2 survey line 11  
Hypack 011-2149.RAW  
2211 EOL turning NE

Soc 035CC03\_06 Chirp 2214 J1J2 survey line 6  
Hypack 006-2214.RAW  
2230 EOL

Soc 035CC03\_07 Chirp 2235 J1J2 survey line 12  
Hypack 012-2235.RAW  
2301 EOL

EOD

9/7/03 035CC03 Seismic Survey

Continuing dredge site J1-J2 survey

Skies clear sea/wind calm. Crew Dave B, Dana W,  
Jack K, Jim F.

Sidescan - CHIRP 20 M on a side w/ Sidescan

1448 (zulu) SOL 035CC03-08 Chirp.

Hypack 028-1448.RAW, J1J2 survey line 28

1510 EOL, turning NG to line 33

1513 SOL 033-1513.RAW <sup>line 33</sup> No CHIRP yet (WOB)

Start CHIRP 1525 035CC03-09

1533 EOL, turning south

1536 SOL ~~033~~ 035CC03-10 Chirp

Hypack J1J2 survey line 23 = 023-1536.RAW

1557 EOL, turning SE.

1601 SOL 035CC03-11 Chirp

Hypack 018-1601.RAW J1J2 survey line 18.

1621 EOL # will not be recording CHIRP  
for subsequent lines.

1628 SOL # Hypack 025-1628.RAW J1J2 survey line 25

1650 EOL turning south to finish segment on

line 14, keep recording

keep recording, new Hypack file 014-1650.RAW line 14

1659, tied into former line, turning south to finish

J1J2 survey line 9

1702 turning onto line 9 heading west

Hypack line 009-1702.RAW

1706 EOL, turning south to start new line near shore

1711 Start 003-1711.RAW Hypack J1J2 survey line 3

Recording CHIRP on this line 035CC03-12

1735 EOL, turning north to finish line 10,

1738 Start 010-1738.RAW, J1J2 survey line 10. No Chirp

until line 1 is reached (this line is to complete extension  
on line 10 and then run towards island and line 1)

1741 heading south to line 1

1744, start recording new file 001-1744.RAW, bearing line 1

1749 Start CHIRP 035CC03-13 1803 EOL End of J1J2 Survey

9/7 03SCC03 Sesuic Survey (cont.)

Whiskey Pass dredge Pits F1, F2, K  
NE/SW survey lines. Line file FIFOK survey.

1902 SOL HYPER 002-1902 (survey line 2) South of Island  
Chirp line 03SCC03-14 Sidescan is recording.

1908 EOL, turning inlet-ward to survey line 12

1910 SOL HYPER 017-1910.RAW, survey line 12  
Chirp 03SCC03-15

1915 EOL

1918 SOL HYPER 022-1918.RAW Survey line 22  
Chirp 03SCC03-16

1924 EOL, & turning inlet-ward

1926 SOL HYPER 032-1926.RAW, survey line 32  
Chirp 03SCC03-17

1930 EOL

1933 SOL HYPER 038-1933.RAW, Survey line 38  
Chirp 03SCC03-18

1956 EOL

2001 SOL HYPER 043-2001.RAW, Survey line 43  
Chirp 03SCC03-19

2014 EOL

2018 SOL HYPER 048-2018.RAW, Survey line 48 SW-NE thru pass  
Chirp line 03SCC03-20

2036 EOL turning SW

2003

2040 SOL Hyper 053-2040.RAW, survey line 53  
Chirp line 03SCC03-21

2052 EOL

2058 SOL Hyper 058-2058.RAW survey line 58  
Chirp line 03SCC03-22

2112 EOL

9/7 ~~Sun~~ Seismic Survey (cont.)

2114 Sol Hypack 063-2114.RAW, Survey line 63

Chirp 035CC03-23

2123 EOL

2127 Sol Hypack 068-2127.RAW, Survey line 68

Chirp 035CC03-24

2134 EOL at NW portion of Survey line. ~~turning~~  
east to finish NE quadrant.

2137 Sol Hypack 069-2137.RAW, Survey line 69

Chirp 035CC03-25

2141 Picked a point on line 1, restarted <sup>new</sup> hypack  
line 001-2141.RAW

2204 EOL at end of line 1, turning SW

2208 Sol Hypack 011-2208.RAW Survey line 11

heading south on NE quadrant of Survey area.

Chirp 035CC03-26

EOL 2217

2218 Sol Hypack 025-2218.RAW Survey line 25

heading N.

Chirp line 035CC03-27

2229 EOL

EOD End of F1, F2, K survey

9/8/07 UNCE/USGS Seismic Survey

Finish up J152 survey, complete H1, H2 survey  
Skies clear, seas 1' chop. winds S to SE. Crew  
Dave B., Dana W., Jack K., Jim F.

<sup>2 min</sup> 1424 Sol Hypack 021-1424.RAW J152 survey line 21  
E-W. Recording bothy, sonar, Chirp line 03SCC03-28  
1446 EOL, turning N

1452, Sol Hypack 031-1452.RAW. J152 survey line 21.  
03SCC03-29 Chirp.

1456 trouble w/ CHIRP. Shutdown

1502 Restart CHIRP 03SCC03-29a

1518 EOL heading south

1525 Sol Hypack 008-1525.RAW J152 survey line 8  
03SCC03-30 CHIRP

1549 EOL, turning south to ~~be~~ beyond southernmost line.

1552 Sol Hypack 009-1552.RAW. No survey line (south of  
survey line 1)

03SCC03-31 Chirp Sol.

1605 EOL. turning around by Chevron facility - begin  
E-W transect closer to island. No J152 survey line #

1607 Sol Hypack 010-1607.RAW - nearshore transect.  
03SCC03-32 Chirp

1613 EOL. turning N.

1614 ~~H~~ Sol Hypack 011-1614. heading due North.  
Chirp line 03SCC03-33

1625 EOL, end of J152 survey

next page



9/8 Seismic Survey (cont.)

CHIRP/Bathy/Sidescan Sonar survey of "H1" & "H2"  
drudge pits, mid-island (51x Deniers). E-W transects  
Hypack line file H1H2 survey. Inw.

1655 Sol Hypack filename 033-1655.RAW, survey line 33  
of survey filename H1H2 survey. E-W.

Chirp 035cc03-34

1714 EOC

1718 Sol Hypack 028-1718.RAW, survey line 28

Chirp line 035cc03-35

1738 EOC.

1741 Sol - outside survey line. 027-1741.RAW survey line 27

Chirp 035cc03-36

1801 EOC

1805 Sol Hypack ~~018~~ 018-1805.RAW, survey line 18

Chirp line 035cc03-37

- Notable stratigraphy 

181644 E = 721100.54 N = 7216781.75 wd. = ~12'

1826 EOC

1827 Sol Hypack 013-1827.RAW survey line 13

Chirp line 035cc03-38

1842 EOC

1844 Sol Hypack 008-1844 survey line 8

Chirp line 035cc03-39

1857 EOC short of e-d, too shallow.

1858 Sol Hypack 006-1858.RAW survey line 6

Chirp line 035cc03-40

1901 EOC screwed up depth. back to normal

1905 EOC, getting shallow

1907 Sol Hypack 005-1907.RAW survey line 5

035cc03-41

1914 EOC, too shallow

9/9 Survey (cont.)

~~187~~

1914 CHIRP recording, but not HYPACK 035003-42

1919 son Hypack 011-1918. RAW survey line 11

1930 EOL.

1931 son Hypack 015-1931. RAW, survey line 15

035003-43 Chirp

1947 Ed turning Bayward

1949 son Hypack 020-1949. RAW, survey line 20

Chirp line 035003-44

pit-fill? E 720556 N=3216724 2002 ~~07~~

Pre-pit stratigraphy? E 720181.95 N 3216634.21 2005 38

2007 EOL

2010 son Hypack 025-2009. RAW Survey line 25

Chirp line 035003-45

Channel? E = 719909.5 N = 3216745.5 - 2011

2033 EOL.

2036 son Hypack 030-2036. RAW Survey line 30

Chirp line 035003-46

2042 Channel? E 721259.29 N = 3217198.9

2053 EOL

2057 Run straight across survey tracklines from NW to SE,  
no survey line but heading to end of line 7.

Chirp line 035003-47

2120 EOL

End of H1, H2 survey

EOL

9/10 Lake Pelto Seismic Survey,  
035CC Leg # 3 continued.

Running E-W transect across Lake Pelto, behind Ilse Deniers  
Thruway J1, J2, H1, H2 & F1, F2 dredge pits.

Boomer and CHIRP, bathy.

Skies cloudy, winds 10 kts SE, seas mod. chop.

Crew Dave B., Dana W., Jack K., Jim F.

Note: We have not been collecting Boomer Data to  
this point. However, for future ease of use we  
will call the first boomer line #48 to correspond  
with CHIRP line 035CC03-48

1700 035CC03-48 Sol Chirp and Boomer

1704 Hypack 001-1704.RAW

1725.7, Deep channeling (?) seen in boomer

1810 600 (hit > 32, and traces for CHIRP)

1810 Sol Hypack 001-1810.RAW

035CC03-49 Boomer & CHIRP, Same track line as 035CC03-48

1815 Bounding reflectors seen near surface in CHIRP

1837 Bounding reflectors seen near surface in CHIRP

1910 600, turning NE to core site 035CC03-12

1911 Sol Hypack 001-1911.RAW

CHIRP, Boomer 035CC03-50

2014 600, reaching 32k trace limit

2014 Sol Hypack ~~001~~ 001-2014.RAW

CHIRP, Boomer 035CC03-51

~~2011~~ 2011 600 at core site 035CC02-12

2114 Sol Hypack 001-2114.RAW heading around pt three

Chirp, Boomer Bulvin Cutoff (survey line path, transect line)

2201 600 at E end of Bulvin cutoff

2201 Sol Hypack 001-2201.RAW heading north into Bay St. Elaine  
and core site 035CC02-03

2242 600 at core site.



9/11 Terrebonne / Timbalier Bay Seismic Survey  
CHIRP/Boomer transect across previously acquired  
vibracore ~~at~~ sites. Stakes 6.10 KTS seas 1' chop  
crew Dave A, Dana W., Jim F.

1534 Sol, from core site 25 to 26 (Kulp sites)  
using Hypack line file 03terr bay cores B.RAW  
CHIRP/seismic line 035cc03-54

1626, passed core site Kulp 27

Note: raw file at this point is 03terr bay cores E.RAW

1639 Sol Hypack 03terr bay cores F.RAW

Chirp/seismic line 035cc03-55, heading S toward S Devils Is.

1732, turning north west to Kulp site 38  
eol

1733 Sol Hypack 03terr bay cores G.RAW.

Chirp/seismic line 035cc03-56 NW adjacent to  
Casse Tette Is.

1812, CHIRP line starting out - disconnect.

Keep recording boomer

1812 + boomer at some point died. & start new line  
- still dealing w/ CHIRP

1829 Sol Boomer only 035cc03-56A

Had not been recording 1859 - start recording.

1930 at Kulp site 37 eol.

2022 Sol Hypack 03terr bay cores H.RAW

Chirp back online (re-splice) but w/ no bathy.

CHIRP/Boomer 035cc03-57 heading SW to  
Kulp site 39.

2112 - Seismic looks like crap. Let the phones out  
~~to see if that helps~~ seems to help.

2121 put boomer sled out Chirp - didn't help.

2122 took phone off hydrophones - may have helped

2138 eol. at Kulp site 40 - heading to 41

2x

2137 Sol Hypack 03terr bay cores I.RAW

Chirp/Boomer 035cc03-58

2205 turning to Kulp site 46 (reached site 41)

2210 reflector coming toward surface in boomer

2258 eol. at Kulp site 46 EOL

9/11 Terrebonne Bay Seismic Survey

Running transects along previously obtained vibrocore sites. First leg N-S starting in Lake Barre along Kulp sites 43-47

Skies p. cloudy, wind S to S, seas calm. Crew Dave G., Dana W., Jim F.

1456 2nd Sur Hypack 03 terrebay cores J. RAW

Chirp/Boomer 03SCC03-59

1604 EOL (reaching 32K traces)

1604 Sur Hypack 03 terrebay cores K. RAW

03SCC03-60 chirp/Boomer

heading S to Kulp site 45

1650 Seismic greatly improved - filter added

1701 Shallow channeling in Chirp

1721 EOL (32K traces)

1721 Sur 03 terrebay cores L. RAW

Chirp/Boomer 03SCC03-61 heading

to Kulp site 47

1733 Seas state worsening - losing both Chirp and Boomer records. Will not make it to Kulp site 47.

Instead turn NW, to Kulp site 21, to take seas at stern

1735 Boomer computer dead. - restart Boomer 03SCC03-61A

1833 EOL (32K traces)

1833 Sur Hypack 03 terrebay cores M. RAW

Chirp/Boomer 03SCC03-62

1922 EOL at Kulp site 20 (vibrocore 03SCC02-05)

EOD End of Seismic survey leg 3

Pig-tail Wiring

1 = BK

2 = RD

3 = GN (6nd)

4 = YL

Notes on DBOGE PIT Seismic/BATHY FOR CORE LOCATIONS  
J1 J2 pits

Line 039CC03-05 Chipp. & 011-2149.RAW - Shows  
low spot & faint stratigraphy at ~~215855~~ 2157-2158  
Survey line 11

PVC 01 215822 utmx 729643.7 utmy 3218694.1 (See above)  
~~above~~

J1 { Line 035CC03-07 Chipp. possible fluvial channel at  
224500 utmx 729697.8 utmy 3218742.01 (exactly)  
hypack 012-2235.RAW J1J2 survey line 12.

core  
transect along 035CC03-07 (above) to include "in the pit"  
and "out the pit", plus above "channel", would be.

J2 { pit: 225409 utmx 728281.78 utmy 3218496.64 wd. 8m  
out: 225820 utmx 728458.11 utmy 3218382.43  
check above line w/ HYPACK to see if next pit <sup>on chip</sup> is J2

if so then:

J2 { in (J2): utmx 728349.34 utmy 3218356.64 wd 9m 225923  
out (J2): utmx 728239.14 utmy 3218325.23 270026

J1 { from HYPACK, deepest part of pit on this line (012-2235.RAW)  
is at 224634 utmx = 729563 utmy 3218707.6

line 075CC02-12 (Survey line 3)

J2 out: 171555 728525.4 3218114.3 wd. 8m  
in: 171801

J1 out: ~172245 729336 3218356 wd 4m

J1 in: 173075.3 729573.5 172027 wd 3 (?)  
(note, is above inlet channel?)

about J1 out: 173033 730322 ~~3218570~~ 3218570

out in between J1 - J2, further north

on CHIMP line 28 727069.07 32185064 143729

east of J1 fr- Chimp line 6, HYPACK 006-2213.RAW  
222455 730540 3218709.3

in pit north side bathy 018-1604  
61002 729275 3218790

721210  
721100  
110

Dredge Pit H1 H2 Core pits based on bathy, CHIRP

Hypack line 013-1827 (E-W)

h2 out (west) 184028 720595 3216525

h2 in (west) 187872 720830 3216558.5 (deepest)

h1 in (011-1914.RAW) 721300 3216624 1924V

h1 out (x-road) 721682, 3216762.6 Note: wake sure site is outside pit.

h1 out (pinnacle) 194748 721701 3216829

h1 out (pinnacle, x-road) 721163 3216798 210749 (007-2057.RAW)

h2 in (x, road to the north) ~~7207239~~ 3216865.45

720706.69 3216847.01 175448 (good chirp)  
chirp line 36

Notable stratigraphy line 37 (see notes 9/08)

calculate deepest: 721149.50 3216825.95 (exactly)

in between (4.52) 181644 → 181747