

6/30 Boomer / CHIRP offshore E. Timber Is.
Running E-W offshore (line 3).

Weather: clear, seas 1-2' swell, wind 11 kts NE

Crew: Dave B., Dana W., Jim F.

Using new phones Grid generated using HYPACK
Starting w/ coords. previous page and 1 km offset.

SOL 01001 (chirp) 143716 (3) NO HARDCOPY CHIRP

015001 1438 heading SW

water depth @ chirp ~~1448~~ 1448 46 = 49.2'

Records are generally poor - may be strong
reflector seen in CHIRP @ 8-10 ms.

Chirp 1525 HYPACK not logging depth.

Depth of chirp 152728 = 47.6'

1543 switch back to "old" phones (boomer)

Still no bathy. CHIRP 154520 = 46.5'

boat wake @ 1552 (CHIRP)

w.d. boomer 155742 = 46.7'

CHIRP 47.0' @ 162829

1717 @ EOL, Shutting down to fix bathy problem
(no serial connection) see w.d. appr. 47.1'

Turning toward NE line 12 on HYPACK (2nd to last
line out)

SOL 01002, 015002 1746 RECORDING HARDCOPY CHIRP

No hardcopy Boomer

175058 deep channel seen in boomer E 756265.83 N 3205051.18

flank @ E 756406.89 N 3205039.49 (175303) ~ 7ms to base

line 12

1756 turn onto line - against wind so picking up speed (CHIRP fish adjust)

Seas picking up - 12' chop.

1802 Channeling evident in CHIRP / boomer

Deep channel boomer @ 180230 E 757280.80 N 3204958.0

Line 01002 has so far been dominated by a near surface reflector ~ 7-8 ms below seafloor, variable (channeled), mainly visible in boomer only.

184743 deep channel in CHIRP E 761244.69 N 3205924.00

184948 "channeled" reflectors 761438.47 3205982.74

in CHIRP PVC01 (3)

191813 N 3206849.51 E 764076.37 reflector drops from surface ~~large shallow "channeled"~~

evident in CHIRP and Boomer PVC02 2

After reflector drops down profiles become monotonous and ringing, possible significant reflectors @ 3 + 8 ms below surface

193153 E 765365.56 N 3207385.9 CHIRP showing conspicuous "chaotic" reflectors between ~~16-18~~ ^{5.5-9.5} ms

below surface (sand?), overlain by horz. reflectors PVC03

- 1936 bottom drops out (lower reflector obscured) 4

possible angled reflectors in boomer @ 766140.13 N=3207546.1

(193939) PVC04 (low priority)

201813 E 769655.83 N 3208728.72 possible angled reflectors boomer

2054 EOL at eastern extent. Turning wide-loop
to begin S-N line

2118 begin S-N line.

NOTE: THE NE-SW lines were too far out.

Grid generated at 1km intervals, not $\frac{1}{2}$ km intervals

Thus, lines 10 + 12 were 9 + 11 kms out, respectively.

2141 37 Slowing down to allow vessel passage

beginning 2146 beginning line 31, ~~second~~^{third} from last

HYRACK named last line file name (north south),

so 32 is second from last

222049 Slowing for vessel.

w.d. @ 223117 = 22.6'

at jetties, eol @ 2235' CHIRP dis. not recorded
- have hard copy

7/1/01 Boomer/CHIRP

Surveying outer lines 11 to shore. Skies clear, wind calm, seas calm.

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

Starting jetty - ne-sw set line

SOL 01C004 ~~1303~~ heading SW (HYRACK Nov Line 12)

Restarting lines - 1316 various technical difficulties

1317 Slowing down from 4.5 kts to 3.5, going w/current

1328 at end for ~~jetty~~ jetty set. heading to wpt. 7 for new ne-sw file.

HYRACK Line 1 SOL 01-006 1332

w.d. @ 134545 = 39.7' (Boomer)

141540 CHIRP end of panel - start new roll - does not end line

Paper out. eol. - 06. (1425)

142614 SOL E 01-007 (b+c), same HYRACK line as above

w.d. @ 142747 (boomer) = 41.0'

Paper in backwards, will have to restart lines.

~~exceeding maximum, boundary for~~ eol @ 1433

143445 SOL 01C008 same HYRACK line - heading SW

area dominated by hard reflector 2.5 m below surface

1442 764066.91 3212180.86 PVC site #05 for ground truth (low priority)

1454 Boomer - Dana testing hydrophones

~~150607~~
150607

~~150607~~
150607

- sand?

E 761497.72
N 3211297.7

PVC #06
low priority

1537 It appears near-surface strat. is thickening.
758097.8 3210174.21 pvc 07 low priority

1552 at end of line ead. turning around, proceeding
NE up 2 lines in

Turning onto line, against current line 3 HYPRACK
SOL 016009 1609 beam or - CHIRP R 003-1609.182
w.d. 1611 = 37.7'

1613 slowing speed fr - 3.5 to 3.0 kts.

161630 deploying sea anchor - slowing speed.
w.d. 1618 = 37.3'

without sea anchor, stern swings around - bubbles from
jets affect hydrophone obscure signal.

1650 altering course to avoid crew boat
(172926 E-7.62223.26 N-3212593.72 UNIT A before goes away Pri 2) ^{pvc 13}
CHIRP record sharpens - strong reflector near surface
174737 UNIT A has appeared to disappear
763674.94 3213048.61 pvc 08 low priority

1749 ~~Small~~ small incised channel in CHIRP priority 3
763848.34 3213114.20 channelled pvc 09 (similar to 8)

180834 shallow reflector comes up near surface (CHIRP)

183148 767187.36 3214075.78 small depression? (CHIRP)

192939 switching to jetty now dataset. line 9 HYPRACK
w.d. 193042 (CHIRP) = 37.3

(Pipeline?)

bathymetric (?) at 1948, just before 773197.95 321628.7

195830 reach end of line, turning 2 down to HYPACK 7
sol 015,010 200833, slowing down (going w/ current)

202350 CHIRP boat wake

202717 switched HYPACK to new sonar dataset Line 5

204701 CHIRP change in acoustic pattern from obscured
to parallel.

215334 761447.06 3213331.76 Strong reflector approaches
surface?

221956 UNIT A appears to be thickening

758529.85 3212375.84 puc 10 priority 3

puc 11 223550 756809.51/3211807.2 UNIT A thickens priority 2
(At end of line 224330 end.

2138 Strong reflector comes to surface

puc 11 @ 2137 E 763164.80 N: 3213947.83 pri. 3

~~7732 101110 stop row out of puc~~

~~1895 At sonar further end of line, turning to new line~~

Note: water depth on record in fact
(leg 2 in meters)

7/2/01 SCCCOR E. Timber Is. Boomer/CHIRP

Offshore HYPAK line 7 (new ^{waypt.} ~~new~~ file), 13 lines from offshore - onshore, shore 11.

Winds 10-15 kts, skies overcast, seas 2' chop.

Crew: Dave B., Dana W., Jim F.

No CHIRP, Comm. down. Boomer only

Line 016011 @ 142629 heading SW, ~~then~~ HY line 7

w.d. @ 142834 = 33.2' (boomer)

col 1440 kind of rough - no CHIRP - beam stop line.

Head offshore for offshore-onshore line, try to fix CHIRP in meantime.

HYPACK line 47 152721

Starting S-N line 2nd from east end

Sol 1528 016012 boomer only.

@ 1623 at col nearshore. turning out.

Turning offshore outside N-S line (HYPAK 13) CHIRP fixed

Sol 016013 1637, 016013 1638 w.d. @ 163932 = 18.0'

w.d. @ 164856 = 25.6' (CHIRP)

1659 lowered CHIRP, w.d. @ 170128 = 30.0'

1701 CHIRP platter stops

1743 at end of line south. Swinging around to HY 46

1754 Sol 016014 heading north CHIRP & boomer.

w.d. @ 175648 (CHIRP) = 40.2'

185170 at end of line on shore. Turning westward toward shore || line.

turning onto NE-SW line \rightarrow MYPACK 12.

191015 Sal 01015

1930 at jetty, turning seaward to avoid traffic.

200910 Change to New boomer phones, appears to improve reception of the seafloor which has been missing most of the day.

2020 Data missing w/ hydrophones - boomer record sporadic

2106 upper unit thickens (boomer)

mc 2014 E=758595.84 N=3216142.37 (210945) priority 3

212554 strong horizon nears surface?

2130 at end of line (Little Pass Timbalier) eol.

152347 768873.74 3216903.58 distinct reflector within

7/3/01 F. Timberler Is. offshore (SCCO)

Running shore parallel, HYDRACK line to
E-W, Skies p. cloudy, seas ~~at~~ chop.

Crew: Dana W., Dave G., Jim F.

1759 Sol of c. 016 CHIRP only - Boomer not ready yet
1310 Sol 016 = 015 (boomer)



Above typical of area. UNIT A varies in thickness, UNIT A
and nearsurface ~~that~~ thicken to ~~the~~ west and south. (9ms?)

strong reflector is seen in both CHIRP - Boomer and
obscures any signal below it.

Nearsurface unit is mostly transparent in Boomer.

142855 E 762524.21 N = 7216405.48 Possible channel or
noted from disruption of strong reflector? ~~see~~ ~~see~~ ~~see~~ ¹⁵ pri: 2

144650 760446.51 3215740.36 CHIRP strong reflector becomes
well defined at 45ms below seafloor ~~see~~ ¹⁶ pri: 3

145820 "normal" (less-defined) UNIT A back.

1631 end of end of line Little Pass Timberler

turning seaward, skipping 1 line to HYDRACK line 8

1547 Sol 015017 heading east shore lt.
heading into current

w.d.e 155248 = 30.0'

1606 strong reflector right against seafloor on this line.

160623 E=757537.95 N=3213663.05 Either noise
or deep crossbeilding in boomer through here ~22-27ms (20ms w.d.)
pvc ~~17~~ pri. 3

161084 dropped sled back, lowered CHIRP

1630~~85~~ ~ E 759844 N=3214463 Channel? pvc ~~17~~¹⁸ pri 2

1732 platter ran out of paper ead.

173739 SOL 01/018, same transect

1847 Reached end of line, (EOL) turning seaward to HYR

1855 SOL 01-019 heading SW.

190410 E 772540.50 N 3217671.5 possible channel,
(disruption in ~~the~~ string reflector) pvc ~~19~~ 20 pri. 3.

192000 possible channel ~~is~~ (disruption in UNISS)
E=770674.26 N=3217038.87 pri 3, pvc 21
S=

202000 String reflector approaches surface, becomes less defined
prior to 202006 (201905) E=767344.77 N=3214567.5 pri. 2 pvc 22

202418 Reflector, apparently below string refl., drops down (Boomer only)
762596.33 3214325.14 pvc. 223 pri. 3

203904 761031.88 3213784.45 String reflector drops down pvc 24 pri. 2

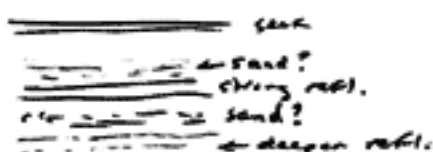
204409 strong ^{refl.} west deep, with deeper reflector present 6ms below s.f.

76460.4 3213598.58 pvc 25 pri. 4

204820 possible channel (disruption in reflectors)

759993.67 3213440.85 pvc 26 pri. 2

similar



↑
-6ms
↓

759204.10 3213214.63
(205436) buwer

pvc 27 pri. 4

210730 757866.90 3212693.30 strong reflector 3.5-4ms
below seafloor (CHIRP) pvc 28 pri. 2.

212524 Af eol

7/4/01

015000 Boomer / CHIRP. Running N-S lines near jetty
Skies p. cloudy, seas calm.

Crew: Keith L., Dana W., Jim F.

1311 SOL 01-020 heading seaward, 2nd line west
of jetty. (N-S) HYRACK line 48 has been renamed 01-020.185

1423 EOL at turning onto HY line 35 (to be renamed
01-021.185)

1443 SOL 01-21 heading north (inshore) towards jetties.

w.d. @ 144501 (CHIRP) = 41.5'

w.d. @ 151627 (CHIRP) 34.3

162347 Distinct reflector within ^{12-3ms} UNITA? 768893.74 3216903.68

pc 29 pri. 2

1555 At northern end EOL, turning to N-S line 35, rename HYRACK to
←

1601 SOL 01-22, heading south

w.d. @ 160914 = 13.3' (Boomer)

161118 main reflector 5ms below seafloor (CHIRP)

766913.77 3219552.07 pc. 30 vi. 4

1710 EOL, turning onto north to ^{HYRACK} ~~line~~ 35

172444 SOL 01-23 heading north (seaward)

1731 jets may be clogged - slowing down

182420 Chirp ran out of paper, not cal.

183758 EOL at north end, turning to line HY 33

1852 SWR 01-024 N-S.

194108 766447.50 3214516.60 Strong reflector

2ms below s.f. (CHIRP) at rabbit field PVC 31 pri. 01

20000 eol, turning ~~south~~ northward to HY 31

2013 SWR 01-025 S-N

202409 765599.87 3214009.08 drop in strong refl., possible channel PVC 32 pri. 03

210055.850 E 764510.57 N: 3217502.79 UNSTA prevalent PVC 33 pri. 3 (strong refl. @ 3ms lat)

210924 E 764271.07 N: 3218315.55 similar to above, strong refl. @ 3.5-4ms below s.f. PVC 34 pri. 4

2112 eol at E-Timber Is.

2122 start turning S onto HYPACK Line 29 (now called 01-026.185)

212317 SWR 01-026

~~212317~~ Strong refl. at surface, starts to drop down by 2145

215651 E 764120.15 N: 3215268.51 π -bedded reflectors in CHIRP? PVC 35 pri 3

2221 eol

7/5/01 E. Timbalier Is. 013001

Doing N-S transects along Island. Skies cloudy,
1' chop. crew Dana W., Keith L., Jim F.

NO CHIRP (computer problem)

141025 sol 01-027, coincidentally HYDRACK line is
also 27, so no line rename. Running nearshore and
parallel, approaching line 27 for onshore offshore transect

1524 eal

Turning onto S-N line HYDRACK 25 (renamed to 01-028)
sol (BOOMER ONLY) 015028 (153652)

154616 762790.77 3212721.87 UNK A + near surface

4-5ms' thick pvc 36 pri. 3

1612, slow for vessel

1618 CHIRP BACK ONLINE sol 01028

1639 eal at shore

At shoreline E. Timbalier Is. running east, along shore
connecting endpoints of N-S lines. (Touchy offshore for CHIRP)

1640 sol 01-028, running 11 to shoreline, w.d. ~13'

Using same HYDRACK nav file as boomer line 28 (01-028-186)

2' chop.

w.d. @ 170830 = 16.7' (CHIRP)

1723 rounding east end of E. Timbalier (open water to north,
map shows land)

w.d. @ 172523 = 11.9'

1727 Furuno showing sand waves

w.d. at 173449 = 9.3' (CHIRP)

1759 - shallows near jetty, turning around doing NE-SW
dragged back to E. Timber Is.

NOTE: Line 29 follows the 9-10" ~~bottom~~ water depth
heading into seas (1-2' chop)

1810, named HYPACK nav file 01-29-185

1924 Bomer signal gone bad - CHIRP o.k.
Bomer back up (power failure)

2022 received at Little Timber Pass

2036 Sal 01-030 No 5 westernmost line, of Little
Timber Pass - HYPACK line 14 has been ~~removed~~ removed.

210818 7ms 
8.5ms
10.5ms

757176.77 3212384.89 pvc 37 pri. 04

211121 - ~~Strong~~ reflector change in reflector pattern (60025?)

211951 similar to pvc 37, but reflectors have changed
(see CHIRP), comparison core pvc 38 pri. 03

757493.98 3211171.08

End of SW corner.

7/6/01 E. Timberline Is. OYSCCV

Boomer / CHIRP byside of Island. Using HYDRACK
Nav grid byside.

Working byside-most line NE-SW.

Skies overcast, seas calm (2-3' chop offshore)

Crew: Keith L., Dana W., Jim F.

NOTE: water depths now included w/ paper copies (if feet)

1456 501 01,031

15055 Strong reflector deep (10ms), good boomer

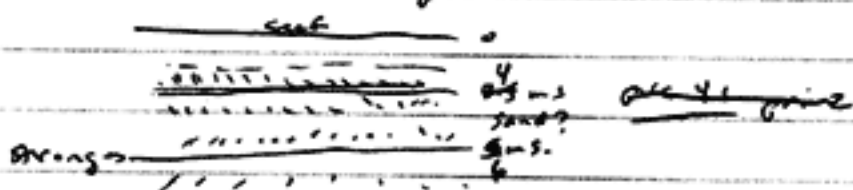
762498.56 3225391.96 pvc 39 pri. 03

151850 761850.52 3224747.90 channel? (CHIRP) pvc 40 pri 2
lateral

152815 "Change in character of near surface, sample

@ 152921 761050.25 3224040.52 pvc 40 pri. 1

153435 760670 3223716.91

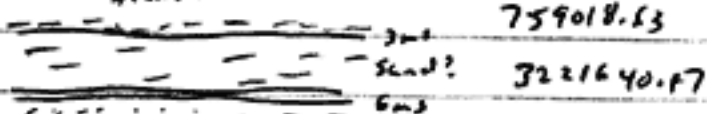


154301 3223201.59 760097.23 above ~~but deeper~~ pvc 41 pri 2

155127 759531.63 3222696.96 strong refl. 7ms bsf.

1554 Strong refl. may have bottomed out at 8ms bsf.

160507 transient 759018.63 pvc 42 pri. 3



163235 756409.78

Strong → 4.5ms pvc 43 pri 2
sand!
5.5ms

163544 Strong reflector drops down, gets obscured
164100 Refl. comes back GWS bsf
1700 eol, turning onto HY 8 (two lines seaward) to
be renamed to 01-032

1710 sol 01-032 heading NE

1832 Strong reflector drops down. (Bounce)

18524 763777.63 322516.79 low-angle reflectors &
~~front~~ to 7ms (CHIRP) ~~pvc 44 pri 3~~ pvc 44 pri 3

1858 eol at channel. Heading south 2 lines to HY 6

1907 sol 01-033 heading SE.

191917 764070.12 3224018.07 low-angle reflectors to 7ms.
~~pvc 44 pri 2~~ pvc 45 pri 2

192230 large, shallow channel(?) GWS bsf.

763777.73 3223762.87 pvc 46 pri 3

193605 762596.15 3222677.88 Horiz. reflectors

down to strong refl. S.S ms bsf. tyre-core pri. 1 pvc 47

202946 Hit bottom eol.

Turning around, moving two lines seaward

205721 sol 01-034 near backside of J5.

2108 No CHIRP hardcopy

2235 eol at channel.

7/7/01 E. Timbalier Is. offshore OISCOO1
Running shore \perp lines, west end. Skies clear,
seas calm.

Crew Dana W., Keith L., Jim F.

130749 Sol 01-035 N-S across barrier Is. onto
Hy. line 16 (renewed to line #)

Note: Hydrophone configuration changed, boomer
record improved.

No handcopy CHIRP until 133440

134321 757290.45 3218444.53 low angle
reflectors in boomer (channel?) pvc. 48 pri. 4

135340 757599.7 3214486.61 Disruption in near-surface
reflectors (3-4ms below sf) channel? pvc. 49 pri. 2

140415 757834.13 3213545.06 Same as above pvc. 50 pri. 2

51 Maybe take one in between 49-50 for comparison of
non-channelled area

These channels may be artifacts as they are not evident
on CHIRP.

143757 eol. (turning to HY18 (renewing to 01-036)

144707 Sol 01-036 S.W.

153528 paper out in CHIRP

161111 eol. turning east to HY. 20

161547 Sol 01-037 at E. Timb. Is. heading offshore

162737 possible sand wave 757804.5 3217582.63 pvc 59 pri. 4

170359 Slowing down for boats

1707 resume speed

757 716.915
321901.034
m/z

17/638 Lower Fish and slow back for traffic
174820 eol, turning north to HY 22

1800 sol 01-038 S-N.

182003 760960,74 3213585.31 reflectors in near surface
appear to be downdropping onto UNIT A @ 3.5 m bsf
sample core - pri. 1 PVC 53

1855 eol at shore turning west along shore

185856 sol 01-039 shore // across Little Timber Pass

NOTE: HYPACK DEFAULT NAMED THIS LINE 01-037A.188

1925 in inlet - starting new HYPACK, CHINA BOOMER
line, eol

1926 sol 01-040 (won't have a header)

N-S Bay lines - West

① 3220700 753800

② 3217450 754000

1932 Shallow water, diverting.

1943 ended HYPACK line, (have to load new grid)

1944 resumed HYPACK 018-1944.188

2005 turning around, heading south - ~~same~~ ^{500 meters east} line.

~~etc~~ ~~some~~ not starting new lines.

③ 760850 3223800

④ 762900 3219000

heading shore // and then seaward ~~data~~ to Calcutt Is.
500. 01-041 2044

2044-2048 Tide causing boat to fish tail - disturbing
boom record

2109 turning ~~to~~ to next line, no stop data
next line will be HY 24 (keeping 01-041.188 filename)

201634 HYBACK NAV FILENAME CHANGED TO 024-2116.188
(same boom record / CHMP lines)

2023 heading south.

2143 turning around, heading north (in shallow)

turning sharp to avoid dredge poles
2220 at eol.

7/9/01 E. Timberline Is. 015CC01 Bomber + CHIRP
~~Re running line 15 (W 12), shore parallel offshore,~~
~~from jetties SW, at 200 joules for comparison with previous~~
~~run at 100 joules. Trying to penetrate strong reflector.~~

Sea 1-2' chop, under winds 12 kts NE. Skies p. cloudy.
 Crew Keith L., Dana W., Jim F.

Could not get 200; to fire. Moved into Bay to
 finish shore \perp lines at east end of Bay.

1438 Sol 01-042 heading W-S.

144145 761960.49 3225008.7 small channel in CHIRP

pvc 54 pri. 2 71449
 ↓
 762328.01 3224147.36
pvc 55 same core
 pri 3
~~scri~~
~~scri?~~
~~Strong reflector?~~
 scri

1513 shallow, eol. Turning two lines east, heading
 S-N.

15348 Sol 01-043

1537 ^{Scri} Strong reflector drops down onto scri

154030 scri drops 763064.39 32274852.49 tons lost, possible X-beds

pvc 56 pri. 3 (bomber)

155322 possible channeling CHIRP - bomber 762040.63 3225339.65

pvc 57 pri. 3

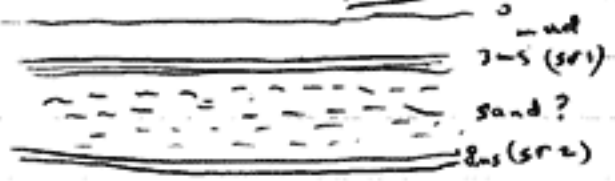
1556 eol. turning south

155833 Sol 01-044

1608 (763409.92 3226349) ave = 763466.67 3226333.06 pvc 58 pri. 1
 763523.4 3226317.11 1608 small channel.

44, 56, 57, 39, 42, 43
 20, 21, 30, 34, 55, 23, 28, 27, 37, 17
 58, 60, 47

162235 764105.71 3224930.88 mc 59 pri. 3



1633 in shallow water, turning

1636 sol 01-046 ~~echo beamer~~, changing paper for CHIRP

1707 eol. @ Devil's Is.

172026 sol 01-046 heading S., continuing west (long line across Bay) HYPACK 007-1724-190 (started 01-046)

175326 near surface refl. drop-down, cross-bedding?

763814.57 3223816.66 mc. 60 pri 3

190044 at shallows eol.

Priority	Core #	
11	3	3, 25, 27, 30, 34, 37, 48, 52, 62, 63, 64, 65, 66, 67, 68, 69 (61)
3	1	1, 9, 10, 11, 14, 16, 17, 20, 21, 23, 26, 33, 35, 36, 38, 39, 42, 44, 46, 55, 56, 57, 59
2	2	2, 5, 6, 8, 12, 13, 15, 18, 19, 22, 24, 26, 28, 29, 40, 41, 43, 45, 49, 50, 51, 54, 60, 60
1	4	4, 7, 31, 47, 53, 58

8/1/01

Note w.d. on record is in meters
(conv. in feet)

DISCCOZ (E. Timbalier Island) BOOMER/CHIRP
Leg 2. used HYPACK to interpolate lines (cursor method
in line editor) between lines from leg. 1. output
line file = SCCOZnavplan.lnw.

Skies p. cloudy, winds calm, seas calm. Storms likely.

Crew Dana W., Rich Y., Jim F.

Running shore parallel offshore (HYPACK line 14, being
converted to DISCCOZ-047)

Shooting 200; Boomer appears to be experiencing a 10ms delay.

164 SOL DISCCOZ-047. heading NE

164839 Note: Belle Pass channel shows on Boomer @ 20ms
(wd = 27' = 11ms thus big offset)

1717 EOL, turning south to begin NE-SW line (HY 15, changed
to DISCCOZ-048)

1718 SOL DISCCOZ-048

183927 Turned power (Boomer) off, trouble shooting 10ms delay
issue.

2006 at eol, turning NE (HYPACK 16) resumed)

201617 SOL DISCCOZ-049

2046 changing paper (CHIRP)

214333 764501.15 3215552.52 disturbance of strong
refl. near surface pvc. site 02-01 pri 3

2243 eol east of jetties.

8/8/01 015CC02 Boomer/CHIRP

working Bayside. Skies p. cloudy, seas 1-2' chop

Notes: water depth incorrect in Boomer

015CC02-050

1353 at end of line - turning south, going through pass

1356 sled (boomer) riding of sea anchor - record bad

1417 Sol 015CC02-051 heading offshore from pass,
moderate chop

1530 eol turning west to next S-N line

1541 Sol 015CC02-52

1544 Data write error on CHIRP, ending line

w.d. e 154833 = 40.6'

1548 restart CHIRP - overwrite previous

1549 boomer data write error - end line

1657 resume Boomer line/overwrite previous.

1647 at eol, turning westward to start offshore line

1659 Sol -53 (Hr 34) westernmost N.S., heading seaward.
into swell.

1756 eol, turning eastward

1823 Sol -54 heading north

1908 ending crew boat

1938 eol at beach, turning seaward

1945 Sol -55 S-N from west side of G. Timb. Is.

2036 eol

W.D. annotations
corrected

2049 Sal 56, heading shoreward

214319 761121.20 3215907.13 two strong reflectors ~ 3ms bsf.

one site 71 pr 3

2159 eol at shore.

9/9/01 015CC02 Boomer/Chris

working offshore jetties, N-S.

Skies p. cloudy, seas lt. chop 1' swell, winds 5-10 S

Crew. Keith L., Dana W., Jim F.

1319 Sol 015CC02-57 heading south

1430 eol, turning westward

1471 Sol 015CC02-58 north to jetties

144072 771901.37 3214077.02 "wedge" near surface (sand?)

~~_____~~ ~~_____~~ PIPE

1504 Slowing down for shrimp boat

1550 eol, just NW of west jetty, turning offshore

Cannot reacquire HYDRAC lines today, going w/ default
naming (heading to line 20)

1602 Sol 015CC02-059, turning onto line

line:
HYDRAC ^ 021/1600.221

u.d. @ 160301 = 10.2' (PDR)

1706 eol, turning north

171511 Sol 015CC02-060 heading north

w.d. on chart N/A

HYDRAC line @ 022 A/1714.221

u.d. @ 171614 = 39.7'

1821 eol.


1833 Sol 015CC02-061, heading south

HYDRAC line 023-1831.221

1935 end, turning northward at "rabbit field"

194507 Sol 015CC02-062, HYPACK 024-1944.221, North

200035 767151.16 3214136.87 (37.8') rise in seafloor

"wedge"  -sr. pvc. 72, pri. 2.

200242 Wedge Buckens 767075.05 3214357.

pri. 2 (one or the other above) 72

203316 766094.03 3217574.32 Strong ~~linear~~ parallel
reflectors down to strong refl. (3ms) pvc 73
probably mud. pri. 2

2048 end of E. Tins. ES shore

2055 Sol 015CC02-063 (HYPACK 022-2054.221), north ^{start}

2003 Start HYPACK line 025-2103.221

2130 end, cutting line short at edge of rabbit field

214706 Sol 015CC02-064 HYPACK 026-2146.221

north from wellfield

215215 764932.4 3214233.4 possible small channel pvc 74 pri. 2

220148 764647.71 3215246.67 shallow reflectors drop away,
possible channel pvc 75 pri. 2

2233 end of island

Note: Check beginning of line 61 to time 2009
to see if thickness of near unit is lens-shape

8/10/01 OISCCOZ Boomer/CHIRP

E. Timb. Is. Bayside. Skies p/c cloudy, winds
8 kts S, seas 1-2' chop. Crew Keith L., Dana W.,
Jim F.

124815 Sol OISCCOZ-065 Long bay line - mid bay
(near mid) turning NE. Resolving base of sand in CHIRP e Rms bsf?
1419 eol. at Devils Is., turning SW

1422 Sol OISCCOZ-066 SW

143550 763504.24 3225425.04 High angle reflectors in
CHIRP pvc. 76 pri 3 (depending on proximity to other cores)

144070 763182.56 3225318.76 } in between, large channel
763102.27 3225241.59 pvc. 77 pri. 3

145274 762200.24 3224413.04

pvc 78 pri. 3.

Sand? →



2.5ms

1.5ms

TE

151127 resolving reflector down to 12ms (10ms bsf) in CHIRP
760682.64 3223019.66 pvc. 79 pri. 2

1538 eol. at Calumet Is. turning S to start E-S like S across bay

164432 Sol OISCCOZ-067 N-S from Calumet to E. Timb. Is.
HYPACK file name 008-1548.222

1609 at eol. at E. Timb. Is.

1648 Sol OISCCOZ-068 offshore, 2nd to last (leg 2) ^{offshore} longshore line
W-E (HY 017-1649)
1927 eol. at east end, turning offshore and around

~~1959~~
1945/51 sul 0150002-069, e.w, offshore-most (leg 2)
(HYRACK line 018-1939.222)

1946 cable loose on chirp & circling

1959, resume line at beginning - overwrite to previous

Choppy
2200 end of best of two N-S lines remaining
(UTMX 763487.75 WNY 3212390.10)

9/11/01 015CC02 - Boomer / CHIRP

NE Bay lines. Skies cloudy, winds 10-15 kts SW.

Chop 1'. Crew Keith L., Dana W., Jim F.

Two E-W lines north of study area

1225 015CC02-070 E-W, northernmost, Chop in Boomer

1228 reflector drops down

123057 762459.91 3225630.25 thick section - sample core
pvc @ pri 3

1248 761149.46 3225656.73 } between, deep refl. 10ms below
761062.10 3225596.36 (won't reach w/core)

125614 760407.22 3225129.21

pvc @ (if necessary) pri 2.



w.d. @ 130431 = 7.4'

130852 subtle channeling near surface in CHIRP

1310 end of Casse-tube B.S., turning around

7

1318 sol 015CC02-071 W-E

1403 end, heading south, begin new line immediately

1403 sol 015CC02-72 south

HYPACK overwrite line file, recreate new one of remaining lines from screen. (015CC02 plan nav 2.1mw)

New HYPACK line (001-1415.223)

1432 turning west to next point, keeping same seismic lines -
HYPACK changes automatically to 002-1433.233

w.d. @ 143443 = 4.6'

dipping north

144724 764021.90 3224029.65, shallow x-bedding¹
in CHIRP down to 4ms bsf. pvc 82, pri. 3.

1455 x-beds dipping south -

1522 eol at north end of study area

153124 sul 015CC02-073 heading south

(HYPACK line 003-1530.223)

1608 near end of line, shallows. Turning SW to next
line

1617 eol, turning north

162618 sul 015CC02-074 (HYPACK 004-1624.223)

1703 eol north of study area, turning SW
weather deteriorates

171103 sul 015CC02-075 (HYPACK 005-1708.223)

Note - PDR coking up due to storm.

175049 eol of well field

18046 sul 015CC02-076 heading west, then north to Calumet Is.

180403 begin north transect ^{wd} depth @ 7.5' (HY 006-1759)

1822 eol of Calumet Is., turning south

1829 sul 015CC02-077 heading south (HYPACK 007-1828.223)

1836 sharp turn to get on course

1850 sled in sea anchor rope, boomer bad

1856 eol

offshore, working remaining lines. seas ↑ swell

194626 Sal 015CC02-078

HYPACIC line 010-1946.223

2050 eol at west-north/south line. Heading north

2050 Sal 015CC02-079 north to E. Timb. Is.

214552 eol →

2146 Sal 015CC02-080 N-S

2206 Slow for crew boat

2227 eol at rabbit field.

8/12/24 015CC02 - Boomer / CHREP

Finishing up E. Timb. Bay, "sand" area, ~~running~~
Skies cloudy, winds 12-15 NW. Seas 1-2' chop.
Crew Keith L., Dana W., Jim F.

1304 Sol 015CC02-081 heading north

1321 rounding corner, same line

140948 761598.97 3225106.24, good boomer, strong
refl. at 11ms bsf., horiz. refl. at 6ms bsf. pre 3 pri 3

1420 eol (crossangle)

offshore targets

"75" possible channel

"72" wedge

"74" small channel

"84" dist. in near-surface refl.

→ What is in vibrocore 16? , maybe 71

Bay

✓ "76" high angle refl. (CHREP)

✓ "80"

"81"

✓ "83"

maybe 78, 79

(next to 16) 770864.44 32 16893.37 (151725)