

24/1/15  
BW

5#1442, Bm cont

23-October 2005

1250 - Seems like some Dunslops are 35-20Hz, now trading of f with others that are ~25-15Hz

1251 - Still don't have any whale or buoy updates 3 Ishmael is not providing a bearing.

1254 - Vocals slowed for last couple of minutes, only sporadic calls just now.

1257 - Lower intensity 35-20Hz calls ~15secs apart.

1301 - Observers going back to course + speed ;)

1303 - Vocals becoming a little bit stronger again. Now back to alternating between ~35-20Hz and ~25-15Hz.

1304 - 3B026 @ 5R, 300m  
→ passing close to it → very loud right now.  
Still getting calls  
WHA! Engine noise!!

1306 - Will let tape run to the end, calls stopped  
1310 - Calls stronger again + now alternating again VERY STRONG! particularly 35-20Hz

S#1442, Bm cont

23-October-2005

1313 S#1442<sup>Bm</sup> surfaced 30 L, 300m out  
Terminal dive just a few seconds ago.  
(The thing this blue they came across is same  
the same one - S#1442)

1315 Don't have Matlab to perform calculation for  
beating

1320 call @ ~ 30 Hz? long atonal  
Still continuing to get alternating downsweeps

1322 - Definite ~ 5 second call @ 30 Hz then  
short downsweep

1324 - whale surfaced 150 L, 600m out, turning to  
prone.

1327 - Coming back to CS  
Havent had anymore long atonal calls,  
just back to alternating downsweeps again.

1332 Switched out tape, EOT SBDAT013  
BOT SBDAT014

1335 Still getting good vocals  
SBO06 is getting a little static, but still good (3 hrs)

SB1442, Bm corit

1339 - Brief cessation of calls, back a minute later

1341 - Calls still very strong + alternating

1344 - Only 2 bars on SB026, but buoy still seems to be good.

1349 - Calls stopped for a moment  
+ SB026 getting worse (1 bar)

1350 - Calls back again.

1352 - Although these are in the same range of fin whales, no fin whales in the area that we've seen + the patterning seems different from fins, (but could still be one).

1359 - Will let tape run ~ 20 minutes more.  
NOT monitoring now.

1438 - Stop SB DAT 014

S#1451  
Oo

29 October 2005

SBDAT 014, S#1451 Oo - vocals!

1050:00

~1/46

1:06:20

EOT

→ Reverted to hard drive 1hr

1030 - S#1451 @ 1022, 85L, 2.5net, Oo  
- VOCALS

10:40 - launched Sonobuoy 027 (57) channel 29  
Sonobuoy sounds pretty good but static from  
time to time. Location:

\* Only one channel being recorded (right)  
as I have to manually go to channels

1050 - Began recording. Took short time because didn't  
realize pause was on!

1051 - Getting lots of EC + some faint whistles  
- Big/static somewhat loud, → LOTS of  
interruption when bridge is talking  
argh!

1055 - Faint whistles/calls

1056 - Animals are not present just now

1101 - Seems like ship is closer → still hearing animals

1112 - still getting EC

1119 - Not hearing anything, animals not in sight.  
1141 - Recording to EOT



12/1/42  
20

(left channel) Programming channels has been needed for a couple of days since the power source for left channel went out + was restored by Jim Antony.


★ Laura found out how to set channels using these instructions →  
• Has set channel 8-13.

★ I attempted #14 and it worked!




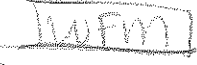
11/3 0830 - All channels programmed!

## Programming channels on sonobuoy receiver

Start

- In "m" mode 
- Hit "0 (zero)" - also says FR/m - bottom middle
- Hit Enter (lower right)
- Punch in # immediately (#'s in yellow)
- Hit Enter again → save it.


Then


- Hit "mode" button top left  
Suggests   + , comes up as FM, need to change to 
- Should not need to change anything else

Then...

- Hit bottom middle FR/m, then "m" is highlighted
- Hit #6 button (miw), holding it down for a second, and this will save to memory.

To go to next channel

- Still in  mode, use big dial to change the channel

After all channels set, can stay in 

S#1503  
Bm

10 November 2005

SBDAT 015 S#1503, Bm. vocals!

13:59:43

BOT

1602:45

EOT

SBDAT 16 S#1503 cont

1602:55

BOT

1625:31

0.23.02

\*Both Recorded to hard disk → 14m

1345 - S#1503 35R 3 net @ 1318 Bm

1355 - Launched sonobuoy # 028 (77) channel 64  
full bars, ship noise, sounds good.  
32° 56.1'N 120° 27.9'W

1359 - Start recording SBDAT 15.

1406 - 400m off port bow just a couple of  
minutes ago.

1408 - 165L

1408:50 - Looks like a call ~40-50Hz, 15 seconds?

1410 - Calls - one is at 30Hz <sup>(two bands)</sup> + 50Hz (other is 40-50)

141350 - Haven't had anything more in a minute or so

1416 - Two more "calls" @ 40-50Hz

141820 - 40-50Hz call. (not sure because there

1420 -

1422 - Whale up - 90L, 200-300m.

1424 - Whale down

1424:43 - Call

1426:29 - Call

1427:26 - Strong call ~12 seconds.

SBDAT 015 S#15

13:59:43

BOT

SBDAT 16 S#

1602:55

BOT

Bot 7x

Nov. 10, 2005, S#1503

	Time (Local)	Latitude	Longitude	Angles (True)	Distance (approximate)	Notes	Sighting#
Sonobuoy	1355	32deg 36.1 min	120deg 27.9 min			drop position, taken from mammal computer	1503
Blue whale #1	143334	32.91	120.547	180	100 meters	posn from birder computer, distant estimate	1503
Blue whale #1	143357	32.91	120.547	186	100 meters	posn from birder computer, distant estimate	1503
Blue whale #1	143400	32.91	120.547	190	100 meters	posn from birder computer, distant estimate	1503
Blue whale #1	144135	32.915	120.458	300	300m	posn from birder computer, distant estimate	1503
Blue whale #1	144206	32.915	120.458	313	300m	posn from birder computer, distant estimate	1503
Blue whale #1	1442xx	32.915	120.458	315	300m	posn from birder computer, distant estimate	1503
Blue whale #1	144824	32.909	120.457	337	300m- 1/2 nm	posn from birder computer, distant estimate	1503
Blue whale #1	145432	32.903	120.456	339	1/2 nm	posn from birder computer, distant estimate	1503
Blue whale #1	145512	32.903	120.456	342	1/2 nm	posn from birder computer, distant estimate	1503
Blue whale #1	1455xx	32.903	120.456	344	1/2 nm	posn from birder computer, distant estimate	1503
Blue whale #1	150554	32.905	120.456	292	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	1506xx	32.905	120.456	290	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	1507xx	32.905	120.456	285	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	151437	32.908	120.462	230	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	151512	32.908	120.462	225	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	151540	32.908	120.462	222	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	152150	32.906	120.468	195	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	1522xx	32.906	120.468	185	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	152238	32.906	120.468	183	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	152359	32.904	120.468	180	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	152418	32.904	120.468	175	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	152452	32.904	120.468	176	1/2- 1nm	posn from birder computer, distant estimate	1503

S#1503  
Bm

mel 64

up of

5 seconds?

other is 40-50  
minute or so

note

1427:26 - strong call ~ 12 seconds.

SBDAT 015

13: E  
E

SBDAT 16

160  
1

Blue whale #1	153447	32.894	120.464	200	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	153529	32.894	120.464	215	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	153552	32.893	120.464	217	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	153612	32.893	120.464	223	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	154340	32.889	120.463	227	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	154400	32.888	120.473	229	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	154428	32.888	120.473	229	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	154449	32.888	120.473	226	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	154507	32.888	120.473	231	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	155116	32.885	120.471	270	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	155124	32.885	120.471	275	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	155147	32.885	120.471	277	1/2- 1nm	posn from birder computer, distant estimate	1503
Blue whale #1	155206	32.885	120.471	285	1/2- 1nm	posn from birder computer, distant estimate	1503
Fin whales	155322	32.885	120.471	230	1/2- 1nm	posn from birder computer, distant estimate	1504
Fin whales	155335	32.885	120.471	230	1/2- 1nm	posn from birder computer, distant estimate	1504
Fin whales	155643	32.885	120.475	250	1/2- 1nm	posn from birder computer, distant estimate	1504
Fin whales	155700	32.885	120.475	250,260	1/2- 1nm	posn from birder computer, distant estimate	1504
Fin whales	155722	32.885	120.475	not recor	1/2- 1nm	posn from birder computer, distant estimate	1504
Fin whales	155925	32.885	120.477	220-235	1/2- 1nm	posn from birder computer, distant estimate,	1504
Blue whale #2 w/fin's	160045	32.885	120.478	195	1/2- 1nm	posn from birder computer, distant estimate	1504

NOTE: Data recorded by Nicole Hedrick  
NOTE: Distance and angle relative to ship!!!!

S#1503  
Bm

Bm

2) channel 64  
good.

not a couple of

2Hz, 15 seconds?

hands  
50Hz (other is 40-50)  
in a minute or so

0Hz  
course there

2m

1424:43 - call  
1426:29 - call  
1427:26 - strong call ~ 12 seconds.



2021 11/2  
Bm

\* Please note:

Only once did I get a low intensity call at ~20 Hz for a duration of ~20 seconds. All other calls mentioned were the 40-50 Hz tonal call, 30-20 Hz downsweep + the one 30 Hz tonal call.

THIS was a  
(2nd whale) mistake.

3#1503, Bm cont

10 November 2005

1429:38 - Strong call  
1430 - Animal briefly popped up, then went down  
1433 - Nothing  
1434:01 - Brief call.  
1435 - Whale down.

1438 - Lower intensity call.  
1439:34 - Little bit stronger call.

1443 - Still four bars SB028 sounding good.  
1443:25 - lower intensity call.

1445:43 - Call, more intense  
1447 - Launching ARI to try for biopsy.  
1448:00 - Call cut out by radio talk (unavoidable small boat to bridge talk)  
1450:01 - Call cut by radio.

1451 - There is now a second whale  
(the IO is getting regular updates on position)  
which will be part of this sighting # and was  
initially sighted at 1441.

1453:45 Call 40-50 Hz

1454 - \* Looks like another, less intense call  
~20 Hz (20 seconds) - this is the first I've  
noticed at this frequency

S#1503, Bm cont

10-November-2005

1457 - Second whale mentioned earlier was a mistake - ONLY ONE ANIMAL

1501 - Weak call. (40-50Hz)

1503 - Asked FB to make sure doing updates on sonobuoy location as well

1506 - Low intensity call

1507 - Whale up, they are chasing it!

1508:34 - Call (40-50Hz)

getting more intermittent static from SB 028 but other than that it's doing fine!

1515 - Not hearing anything

1515 - Whale up 45° L 1 1/4 nmi.

1517:45 - Lower intensity call. (40-50Hz.)

1519 - Call lower intensity.

1520 - Very low intensity call.

1522:05 - Low intensity call (barely visible)

1522:30 - Animal up.

1523 - Downweep now occurring from 30-20Hz, ~1 second long. Several during this minute.

1524 - Low intensity call, downweeps are a little bit higher intensity + occurring regularly

St#1503, Bm cont

1502

10 - November - 2005

1527 - Downsweeps last ~ 2 seconds.  
40-50 Hz calls are becoming extremely low intensity  
+ much less discernable.

1532 - SB028 still sounding pretty good.  
+ still getting pilot tones (95 kHz at least)

1535 - Whale up @ 35 R, 3/4-1 nmi

1537 - Not hearing (seeing anything of note)

1538 - Downsweep. From time to time seeing what could  
be a very weak call (40-50 Hz) but it's too weak /  
low intensity to be sure.

1540:10 STRONG call ~ 30 Hz !!

1543 SB028 is getting weak, will toss another...

1549 Launched SB029, channel 53 (77), full bass <sup>sounds</sup> good!  
37° 53.15' N 120° 28.12' W pilot tone! 10

1551 - Too close to the ship - way too loud.

1553 - Still a lot of noise on buoy. will give it a  
minute.

1555 - Another 2 whales found (Bp) @ 1553, St#1504  
49L ~ 1 nmi. <sup>← this time it's real!</sup>

1557 - Two fin whales off bow.

St 1503, Bm cont

10 - November - 2005

11600 - SB029 has gotten far enough from ship + is sounding good. (I switched back to the other buoy - SB028 chnl 164 - for a second to see if there were still downweeps. Didn't see any)

11601 - Have not had any calls/vocals,

11602:45 - EOT SBDAT 15  
BOT SBDAT 16

11618 - Haven't heard anything in a while.  
11622 - going back to CS, JB recovered, will stop tape in a couple of minutes.

11625 - Stop tape



Whale  
Species  
S#1513  
Q

11-November-2005

3BDAT 16, S#1513, 00 - no known vocals.

1703:45

0.22.59

17:18:15

0.37.04

1700 - S#1513 @ 1645, 271 0.5 net. 00  
-no known vocs

1703 Launched sonobuoy 030, channel 29 (57), full bars  
33° 49.76'N, 121° 55.50'W sounds great!

1705 90L, 3/4 nmi. - whale(s) up  
SB030 still pretty loud (too close to ship  
still)

1711 - getting quite a bit of static - animals  
down + haven't been seen for a short  
while.

1513 - FB decided to go back to CS.

1518 - Stopped recording because lift area + bad buoy

812142

0

SB DAT 16, S# 1528, Ba - vocals but not sure what  
0813:46 0938:50 from - Not normal minke  
0:3704 EOT 14 kHz calls

Recorded to hard disc - Lh

S#1528

Ba

19 November - 2005

D800 - S#1528 @ 0747 90°L 0.1 nmi out, Ba <sup>one</sup>

0810 - Launched sonobuoy #631 (77), Channel 65  
37° 03.83' N 123° 55.42' W <sup>sounds good so far</sup>

0813 - Began recording

0817 - Don't have the whale (last ~100m from ship @ ~0810) so we are going to get a mile away from buoy.

0817 - Shrimp - nothing else

0820 - SB031 sounds great - no vocals yet  
we are 1nmi from buoy  
map has buoy @ 180° + 1nmi.

0830 - 178 1.3nmi out - <sup>actual</sup> SB031 location

0833 - weird upswEEP(?) from 600 Hz - 800 Hz

0836 - upswEEps stop

0837 - start again (only a couple)

0840 - going back CS

0847 - getting more 600-800 Hz, also some 600 burps but mostly upswEEps.

0854 - Buoy down to one bar, but not fishing too badly yet.

3521 #2

12

Shannon, please  
see this note; pertains  
to entire recording session

3H1528, Ba cont →

19-November-2005

0854 - calls still occurring intermittently → "burps", tonal  
+ upsweeps all ~ 600-800 Hz.

0855 - getting a little more static,

0901 - still getting vocals

0904 - 'During this entire time, we have been  
getting something (mostly tonal-like, but  
very unique) ~ 400 Hz, which I initially  
thought was some type of interference  
but recently these have been getting  
stronger, so I think it is probably something  
biological. These "vocals" have had tons of  
variation with regards to structure.

0930 - SB031 going very bad, will just record  
till EOT

#1560  
Lissolags  
no known  
VOCs

22-November-2005

88 DAT 017, 3#1560 Lissos  
1544 (37) no known VOCs  
BOT

1620(19)  
0.35.36

1525 - 3#1560 @ 1452 76°R 0.6 net Lissodelphis  
(later, very few Lags) 2-3 seen  
1541 - Launched sonobuoy #032 (57) chl. 29. some static  
35°34.46'N 122°55.12'W sounds weird

1543 - Found a couple of Lags though mostly Lissos.

1544 - going back to CS → buoy doesn't sound great, but will continue recording

1550 - Not monitoring currently

1559 - Lots of static!!!



0521#2  
2010221

8B DAT 017, S#1579, Bp - not monitoring, unsure of  
vocs.

1353  
0.35.36

1441  
1.23.34

S#1579  
Bp

27-November-2005

1340 S#1579 @ 1332 2R 0.5 rot Bp. unsure  
of vocals.  
Animal position. 34°12.59'N 125°01.35'W

1345 - Launched Sonobuoy 033 (77) chnl 63  
didn't sound good at first, sounds ok now  
Location: 34°08.45'N, 124°59.58'W

1350 - getting further from buoy, sounding  
better

1353 - CS, just had stuck around to launch buoy.  
1354 - Not monitoring

1419 - still recording, but down to 3-4 bars of  
reception (some static - still not monitoring)