

(Re-monitor Sonobouy #116)

1534 Booy deployed

1538 Ship noise is still pretty loud - radio interference
1550 Bad Noise

1550 Bad Noise

1558 Radio Interference

- & then really really bad noise - did something bump up against it?

1600 Noise is still really bad, but reception still seems ok?

1604 Noise less now - sounds better (Ch 21 - R - bad, though)
(-50?) ^{85 Hz} ₂₉ pulse

1604 (-50?) pulse

1605 (30%) another pulse (just before noise) 35-75 Hz

I don't know
if these
are
biological
or what

1608 — ok, now old monitoring was ok (u)

S# : 168

~~10/11/11~~ Ch: 6

Depth: 92 m

Duration (hrs) : 4

Deployment time: 1534

Sp. ind. - Boyds

SB DAT. Tape # 11.

1534: deployed successfully. All 7 bars showing.

1547: all 7 birds displayed ~~all~~. Vis. obs. sighted another whale a couple
of miles off. Shallow grey patches down to 100 m or
0250.

~~4/21~~ 1550 - 5 birds spawning

1558: Long narrow as if composed of fused cells

1602: Nox is rather bad

1603: 4 bags each

1606 - Charged Right Channel n 21
to toss another sonaboo on next
Bryde's Sighting.

1008 several seconds pulse (as 236 #2) - then loud noise

1613 potential pulse

but ΔK ok back to C

Name Walter Sex MALE Age 60 Date 10-1-58
 Home 126-230 Hts.

1618 Sea pulses $\approx 40-50$ Hz - per minute

1622 SIAPSA @ 17th Hz

1672 Signal (?) @ 167 Hz - might be a noise band
on horn 1st

1426 3 bars showing ^{on down to 10} sound pulse below 100 Hz

1027 Starting to lose state

1031 Loud noise - sounded like thunder!

Sunday, 11/14

B. edeni

Bryde's whale

4-13-40

Still Sounding #16

- 1032 2 bars ^{on both R & L} sounding. A lot of static.
 1035 ~~1035~~ Very poor reception - continuous loud static. Stopped monitoring. Have seen very suspicious signals as since 1026. Stopped recording. 2 bars on L, 1 bar on R.

Sounding #17

9-13-00

S# 169

B. edeni

Ch # 21

Bryde's whale

sp. i.d.

depth - 90m

duration: 4 hrs

deployment time: 1410

Dist type # 11

R ~~channel~~ ^{channel} changed to ch 21 @ 1604

Didn't see float come up - don't know if buoy was good.

BAD BUOY

SONOBUOY #18 ✓

9/14/00

type: 57A

deployment time: 1430

ch: 23

depth: 60'

8 hrs

S# 173

Pseudorca Crassidens

1430 buoy deployed
~~bars~~ ~~ends~~

→ Checked it again at 1442 - still bad

BAD

BOUY

S#173
Pseudorca
Crassidens!

Sonobouy#19

Ch12

1434 - Dropped Bouy - Successful
depth = 60'
time = 8 hrs

9/14/00

Geos Bouy!!

Sonobouy goes
to 15 kHz

1434 Whistles!!

7 bars each

Good Clear Whistles!!

1442 Recheck Sonobouy #18 on Ch23 - 1 bar (bad)

1 min → Then reset to Ch12

lots of echolocation clicks also!

1450 - ~~no whistles~~ not too many whistles now

1500: 1-2 bars on R

2 bars on L

1503: haven't heard anything in a bit (we are ~4.5 nm
from location of sonobouy drop)

1508 - a few more DWs - but I didn't see 'em on computer?
Rt Ch = 1 bar
Left Ch = 1 bar

1510 - ~~losing reception - stop monitoring~~

→ no, left Channel
had been
accidentally
bumped
& changed.

1511 - Now both channels better, still a
little static & no DW.

1513 ~~very~~ very faint whistles

1514 Static real bad. 1 bar each channel

1519 - sounds bad - stop monitoring but still recording

SONOBUOY
#20

9-15-06

1543 - pilot whales - on chase

Ch#: 23

Depth: 60 ft

Duration: 8 hrs

Deployment time: ~1549

Position (lat/long):

S#: 174

Species i.d.: GM

Sono buoy type #13

57A = sono buoy type

BAD BUOY

Change receiver B to Ch 12 @ 1553

9.15.00

Ch: 12

type: 57 A

depth: ?

duration: ?

deployment time: 1552

loc:

S#: 174

Sp. id.: Pilot whales (GM), and TT

sonobuoy tape #: 13

receiver: B

1553: all 7 bars showing
only hear ship noise right now

1558: Δ recvr A over to Ch 12
Still haven't heard any biological sounds

1602: whistle @ \approx 8-9 kHz

1607: Just checked Ch 23 on recvr A - still no signal

1607: 4 bars on both

1617: whistle 7-8 kHz - mostly above SB range

1632: started to hear static

1646: no whistles in a LONG time; lots o' static.
turning out.

only a
Few vocals

S# 183
B. edeni

SONOBOUY
#22

9/20/00

Ch 17 60 ft, 4 hrs Sonobouy Tape #14
3° 10.44 N 105° 50.26 W

note: no prey patches seen on E050!

10:33 recording started (but it was awhile before the bouy was thrown)

10:42 Sonobouy deployed - Rt ch 17 = all bars
- Left ch 17 = all bars

- At this point the whale was ~ 600m ahead of the ship and running away. Unfortunately we couldn't get any closer, then went back to CS

→ possibly 2-3 animals in area

→ 35 Hz sounds - may be degraded electrical noise

10:52 we are now ~ 2nm from deployment Rt ch = 5 bars

10:54 pulse? ~ main energy ~ 174 Hz (was on radio, faintly heard something odd) Left ch = 5-6 bars

11:03 radio interference

11:03 4nm from deployment, Rt ch = 3 bars

11:04 heard a "knock" sound, but I don't really think I saw it on RTS (my view goes to 500 Hz max) Left ch = 4 bars

11:05 39-105 Hz pulse

11:07 Still have stuff at 35 Hz - but suspiciously like noise bands (but intermittent, or degraded, or ???) - no modulation

11:15 ~ 6nm away from deployment Rt ch = 1-2 bars
starting to get static now Left ch = 2 bars

11:20 Static getting worse now, still haven't seen anything that looks like Bryde's vocals (i). Will go 10 more min...

→ man - sometimes that 35 Hz stuff looks suspicious!

11:30 stop monitoring, no apparent vocals. Rt ch = 1 bar Left ch = 1-2 bars } but kept recording

Sonobouy #23

57A
Ch 23
4M
906+

P. Crassidens
S#185

BAD BOUY - DID NOT WORK

9/20/00

53 !! oops!!

Ch 5

4hr

90ft

P. Crassidens

S# 185

1416

Sonobouy Deployed

recording on left channel initially
Great DW! Rt Ch = all bars

left Ch = all bars

1420

We are getting aliasing on the monitor,
not sure why. Spectralus Config is for Dolphins→ This was a S3 bouy, and I guess
we just didn't notice?? Oops. Big Fat Oops.We have great DW up to ~7 kHz and
then aliasing above. We suck (i). The

animals are now too far to turn back on.

That sucks cause we are getting great DW.

1436

Rt Ch = 4 bars

still lots of DW

left Ch = 4 bars

(down to 3 kHz)

Rt Ch = 3 bars

L Ch = 3 bars

1459

Reception really bad now, stop monitoring

Rt = 1 bar

left = 1.2 bars

SB# 25

ST 188

Pseudorca &
Globicephala

9-22-60

57A -

BAD BUOY

Ch. 19

depth: 60m

time: 8hrs

Sonobouy
#26

9/23/00

SA 204

B. edeni

Ch 55

Depth 90ft

Time 8hrs

SB Tape #16

5° 32.41 N

95° 38.06 W

1345 Bouy dropped, Good bouy all channels = all bars
Dropped from small boat ~ 1 nm away from us
but near 2 whales. (dropped ~ 200m from whales)
lots of boat noise!! very bad noise & static
(not going to monitor for a few)

1551 We just passed sonobouy - it was ~ 100m off port beam
ship noise very loud

1557 Ship noise still loud, but physically able to monitor now
also, very bad static noise

→ This appears to be a bad bouy after all

1605 Now it's better → good water noise, low ship noise

1608 a bit of static - lasted a few seconds

1609 intermittent static bars crossing screen

1610 lots of static

1612 screen completely black w/ static

1616 solid static across screen - might want to trash this
recording: record over it.

1617 Brief respite from static, but may be short-lived

1618 some suspicious bands of sound up to 200 Hz in between

1620 had areas of static - may be worth looking @
again

1620 - almost 2 completely static-free minutes!

9-23-00

- 1621 - blip on screen = bridge's radio, but I don't think it's worth asking them to use smaller radio b/c this recording is kind of sketchy anyways
- 1622 - Still nice & clear
- 1623 - Another radio blip.
- 1624 - quit monitoring - gave up on this buoy - moving on to another whale, another buoy.

9-23-00

SB#206

B. edeni

53A

Ch 12

90 ft

4 hrs

S#

tape # SB16, SB17

Check WhatTrak for time of buoy deployment

1635: Have been monitoring for \approx 5 min now - everything is clear, all 7 bars showing

Suspicious sounds below 100 Hz.

100 Hz

0 Hz

1641: 4 bars on both

1645: Changed to DAT tape SB #17 (worried that SB #16 would run out)

Heard a few high freq. whistles (?) that didn't show up on Spectra Plus display (go up to 500 Hz)

1652: I bumped my headphones: it left a blip on the record -

don't think it was recorded to DAT, though

1655 - reception getting poor Rt Ch 1-2 bars
Left Ch 2 bars

1701 - Reception bad, haven't heard anything - stop monitoring now (& stop Tape)

1704 - Tape 17 S# 206

* STILL LOTS OF ROOM
ON Sonobuoy Tape #17 *
It is ok & ready to be used

Sonobuoy #28

9/13/00

S#200

Ch 63

B. Edeni

8 hrs

5° 34.48 N

90 ft

95° 22.01 W

Sonobuoy Tape #17 (SB#17)

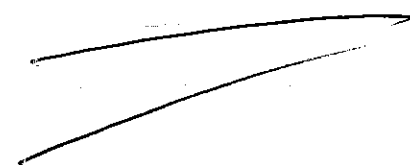
1748 Sonobuoy deployed, ~~Good buoy~~
lots of static, ~~no~~ No reception?

I saw the antennae go up, but no ship
noise, just tons of static

Rt Ch = 0-1 bar

Left Ch = 0-1 bar

1811 Gave up - BAD BOUY



* STILL SONOBOUY
TAPE #17 - LOTS O' ROOM LEFT *

SONOBOUY #29

~~123~~ 123
90ft
8hrs

S#211

9/24/00

Globicephala

BAD BOUY -

antennae never deployed

Animals at first surfaced very close
to bow - dove for ~3 min
They were going fairly slow
& mellow & changed direction
when we turned on
them.
They are quiet & not
much fun (n)

Sonobouy #38

Ch 12
90ft
8 hrs

S# 211
Globicephala

9/24/00

Sonobouy tape #18

~1406 Sonobouy deployed - animals very close
all bars displayed - loud ship noise

1413 Rt Ch 6-7 bars { sounds great, but
left Ch 7 bars 7 animals are quiet

1415 Just heard a faint DW? But did not see it
on RTs

1418 Bad Interference (from where??)

1419 Rt Ch = 2 bars
Left Ch = 2 bars

Real bad interference, ~~mostly~~
hear water noise only sporadically

1421 ok - It's back to normal again - ops - gone again
a few seconds later

1422 back to normal again. But there is a fair amount of
water noise. Maybe someone (thing?) is taking it for a ride?

1435 Still no vocalizations
Reception getting poor now Rt Ch = 1
Left Ch = 1

1440 - Still haven't heard anything, so I'm quitting
monitoring (n) No vocals

#31

10/09/00

Ch 28
90 ft
4 hrs

SH 269
Brydes/Sei

1847 Start Tape

1852 BAD BOUY

#32

10/09/00

Ch5

306T

4hrs

S#269

Brydes/Sei

01° 34.93 N

94° 18.66 W

SB Tape #18

1855

Good Boy!!

Full 7 bars each

1858

Now it's really good - lots of ship noise
Now going back to CS

Full 7 bars

Not monitoring now - will pull in array

1904

the conversation from radio was heard
briefly for 1-2 secs

1907

(9:39) might check this out.
from 40-100 Hz

1911

radio was heard again for 2 secs.

1917

Possible sounds @ 36 Hz

1921

Another 37 Hz sound

1922

Possibly another ~~36~~ sound @ 37 Hz?

1923

Another one - w/ possible surface or bottom reflections!!

1924

More!! Yes!!

1926

Another one

1929

37.8 Hz. another one.

21.4

1930

another

7-31

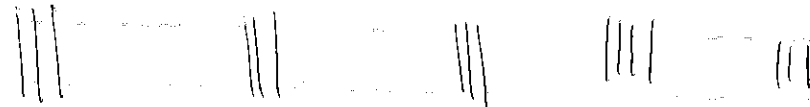
another

37 Hz

21 Hz

#32
Con't

19:33 another



19:34

~26 sec

~15 sec

~15 sec

19:35 another

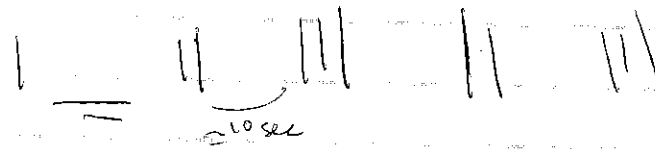
(37-46)

train stop

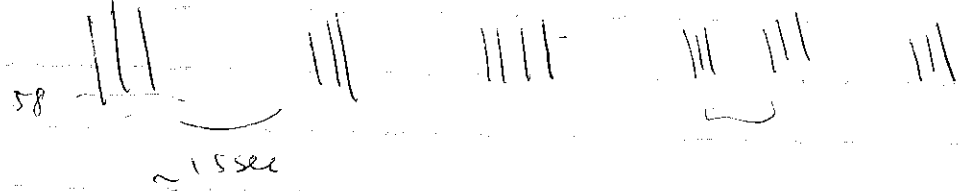
19:36

(38-28)

19:37



19:38



- 1941 Another LF vocal (37, 22 Hz)
- 1942 Another LF vocal ("")
- 1942 Donswept pulses - but more faint
- 1943 Both kinds going
- 1945 More - but reception getting bad, getting more faint
- 1946 Good LF Sound
- 1948 Another LF Sound
- 1949 Another LF Sound
- 1950

#32
ca't

1951 LF sound again moan (?)

1952 Another one!

~~1954 Stop Monitoring - will check out nest later~~

1956 = again

1957 (59:43) = =

1958 (1:00:51) = =

1959 (1:01:48) = = = 40 Hz

19:59 (1:02:06) = = = 37 Hz

20:00 reception is bad from now on

20:03 40 Hz
37 Hz

20:04 = = = 37 Hz
37 Hz

20:07 39 Hz =

20:07 37.8 Hz = =

20:09 37.9 Hz = =

20:10 reception is really bad

20:11 radio heard for < 20 sec.

20:14 stop monitoring, the reception is really bad

#33

10-21-00

S#307

Ch 54

Depth 90ft

Time 3hrs

~~Call~~ Brydes Whale

Sonobuoy Tape #19

Deployed at: 14:46

Good Buoy, all 7 bars for each Channel

No monitor in beginning

* There is a surface layer in the 2050

* There is a quite a bit of static on this buoy

1455:30 Possible sound ~ 23Hz? → Just started

1456:35 Very LF pulse ~ 11Hz? (all bars showing)

1500:40 Low pulse/sound ~ 27Hz

1506 some faint ~ 50-75Hz, barely see

1507:50 LF sound @ 27Hz

1511 RCh = 4-5 bars, LCh = 5 bars

1513 There seem to be some faint swept sounds (inaudible) deep in noise < 400Hz. Just interesting

1527 - There really doesn't seem to be much of anything on this animal and we are now on chase on another group (multiple animals) of sei/Brydes.

1533 RCh = 2-3 bars, Left Ch = 3 bars

1535 Will stop monitoring, don't think there were any vocals
NO VOCALS?? MAYBE??

1540 - stopped recording
 threw a buoy
 on another
 group of
 Brydes
 S#307

#308
Sei / Brydes

#34
10/21/00
Sonobuoy
Tape #19

Ch 60
Depth 90ft
Time = 3 hrs

1541 Buoy Deployed - Good buoy (all bars)
1545 Restart DAT so it's obvious - both ch
now monitoring this buoy.

1546 Reception is very static-y.
Static very bad, ~~the~~ ship noise fades in &
out (and therefore static fades in & out) - see
if it will get better

1550 Static a little better now, can at least see low freq stuff

1558 Rt Ch = 6 bars, Left Ch = 6-7 bars

1612 No Nothing - Gonna Stop Monitoring
Will Keep Recording, Thargh

Rt Ch = 3-4 bars
Left Ch = 4-5 bars

1654 Bridge and others will start to use regular radio.

#35

57A
CH9

5# 320

Megaptera novaeangliae

10-24-00

Bad bony

#36

S #320

Megaplera

57
Ch 33

Bad Bony

Three near hemisphere
southern humpback whales
w/ some aerial activity
(fair amount of
breaching & lots
of pec slaps)

#37

57A
Ch 2

SA320
MIN

10-24-00

Tape #20

1445 Buoy in water, good bay
all 7 birds dried, both (Dumetia)

1449 Start Tape (at just now)

1515 Rt Ch = 2 bms, left Ch = 2-3 bms

1520 I occasionally hear a faint odd sound
reminiscent of a brief frog call

There is a lot of noise → Blanford 5
Is this the cause of all the noise — we
are now ~5 miles away from bay

1524 Starting to cut out
thought I heard a faint odd or odd sound?

1530 Dolphin whistles

1534 stopped monitoring — still hearing frog sound

1542 Rt Ch = 1 left Ch = 1 — monitoring again.

1546 Stop Monitoring — no seals

S#328 B.edeni 10-30
Monitor buoy

~1155 Buoy dropped, loud ship noise

1158 reception dropping out already?

1200:30 25 Hz signal?

1203 (sounded like a dolphin whistle?)

1209 25 Hz ~~Pulse~~ Moan - 2 seconds long!!

1211(53) Incredible DownswEEP!!! ~100 Hz down to 30 Hz

Audible!! w/harmonics!! About 1 sec long!!

12:15(15) Another strong 25 Hz moan ~2 sec long

12:18(10) 3 1/2 sec long moan - Loud!! , Beginning
had energy up to 200 Hz

12:19(10) - LF Moan @ 13 Hz

12:20 26 Hz Moan - moan?

12:23 23 Hz Moan (~1-2 sec long)

12:24:30 17-50 Hz Pulse?

12:28:50 77-19 Hz DownswEEP Boom!!

12:33 25 Hz moan

(12:36 Noise getting worse)

12:40 Noise sucks, maybe more signals, though??
Stopped Monitoring

#38

S#328 B.edeni

10-30-00

Ch 60
906T
3 hrs

Sonobuoy Tape
SB#21

1155 Buoy Deployed w/in ¹⁰⁰300m of whale
whale heading away (TN)

(no monitor)
12:50 END Recording - no signal heard at end

Yes!!

VOCALS!!

see
over
there!!

39

330

Brydes/Sei

10:30-00

Ch 25
90ft
4 hrs

2 animals

(no tape)

B42 Bovy deployed - didn't float up
looks like it was a bad bovy
Bovy dropped near one of the animals
(w/in ~500m).

No Monitor - will keep recording & give
it a few min to see if it will work.

13:52 Stop recording - ~~still~~ no signal

Deleted this Recording
Bad Bovy

#40

#41

10-30-00

S# 333

Blue whale
(dolphins heard also)

SB Tape #22

Ch ~~33~~ 63
90 ft

1812 Buoys deployed - Good buoy, all buoys skid

1843 Going back to area w/ whale to drop
a second buoy - This one is very
noisy

L channel set to SB # ~~40~~⁴¹ channel ~~12~~
R channel remain SB #40 channel 63

1848 Dropped SB # ~~40~~⁴¹ same location as SB #40

1910 Slowing for CTD cast

#41

10-30-00

SB Tape #22

S#333

Blue Whale

CH12
90ft

1848 Boy dropped

both This & SB#40 worked but
lost reception quickly
-Bad boys, essentially

#42

10-31-60

SB Tape #23
(Taped over?)

S# 341

Ch 12

UNID. Batagopteryx
(several)

8° 19.4' S

79° 54.9' W

— Bad boy —

1500 Boy dropped — no signal

1528 Stopped Recording / No signal

See whaletrack
for more
notes

(S#358)

Blue Whale

Ch 60 - L channel

90 ft

8 hrs

6° 59.8 S

81° 91.3 W

- Dropped buoy to the SW (~2 nm) of last position of whale - whale headed east.
- Buoy dropped - Good Buoy all bars

0

1856

Reception starting to cut out

1900

SB reception dead ☹️

ch 57

19:10

Moving East in direction of whale to drop anchor

90 ft

19:20

~~SB~~ Dropped SB @ 6° 59.5

3 hrs

19:25

SIGNAL sporadic but 81° 65.58

still reasonably good

#44

R channel

19:28

Still getting A SIGNAL

19:30

2 Large ships in area
closest @ 7 miles

19:32

Turned channel 60 back on (Left channel)

57 = R channel

19:42

Radio Interference

19:48

2 Large ships 1st @ 13.0 nm Bearing 156 } from ship
2nd @ 6.6 nm Bearing 275 }

BOTH Heading Southbound

#43

SB TAPR #2423

11-02-00

(L channel)

10:11

SB 43 F
SB 44 F
TAPE # 29
CONT'D

20:00 SB 43 coming in & out but still good.
STOPPED MONITORING

20:15 Monitoring sporadically - nothing obvious
20:30 Stopped monitoring

20:50 Still getting good signals from both SB's

20:59 H-back song - ~300-500Hz notes

21:17 Turned up gain on Sony DAT
- H-back song still audible

21:30 H-backs - getting louder on SB 44

21:45 Still some H-back song

21:46 Downsweeps ~ 100-300 possible BW's

21:48 still getting H-song

~~21:49 No signal reception~~

~~21:49 End recording~~

22:33 Signal reception end

SB TAP #24

11-02-00

11-03-00

SB #45

Dropped NORA Islas Lobos de La Puesta of Peru

SB45

Channel 61

Depth 90ft

3 hrs

Sounding Location

6° 54.64' S

86° 50.17' W

11:04 Dropped SB #45 / Begin Recording

11:05 Sounding signal reception good / mostly ship noise

11:13 Some faint noise @ ~ 300-500 Hz

11:17 Possible BW down sweep

11:19 More LF signals

11:21:40 Possible BW down sweep

11:25:30 B Down sweeps

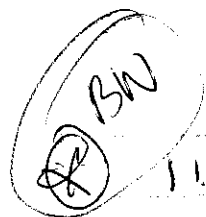
11:27:00 LF Down sweeps

11:28:20 LF Down sweeps

11:29:16 LF Down sweeps

11:29:31 LF (blue?)

11:29:47 LF Down sweeps



See WHA track file for
more info

11:31:03 LF Downward (93-23 Hz)

11:32:04 LF

11:34:10 LF 0 20-30 Hz - long over 5 seconds? ^{AB} Moan

11:35:39 Low freq steady sound (20-30 Hz) AB call

11:35:52 Same

11:36:00 " Long over 5 seconds

11:37:50 "

11:40:34 "

SD 46 6° 52.04
Channel 58 80° 44.73

11:42:00 channel 58 on left channel

11:43:30 LF Rises

LOTS of LF H song components
~~6:52:04~~

11:50 Still good H-backs on both channels

12:12 Some type of explosive sound or maybe
signal is starting to cut out?

12:19 Possible BW man
STOPPED monitoring

12:31 Still getting good H-back song
12:50 still good H-song - going to bed!

S#44

11-09-00

S#402
Feresa
1°41.7'N
80°12.1'W

Chr23
60ft
8hrs

Bad Bory
No reception

912 Sonobory dropped - Bad bory

300m left bar

Ch 23
60ft
8W/2

S# 403
O. Orca
1° 37.8 N
80° 4.14 W

S# 45
11-09-00

1115 ~~Good boy, but th all bars~~ No-That was interference
looks like a bad boy. - No reception
Will keep an eye on it for a while

CA17 new.

Red Dot
Comment:
SB #49
dropped
here
SM

S#478

S#478
B. MUSCULUS

S#49??

11-26-00

SB Tape #25

Ch29
90ft
4 hrs

11:23 start sonobowl tape SB#25

TIME DEPLOYED

dropped where whale just fluked a few min earlier

BAD BOUY !!

S#50

CH17
90 ft
4 hrs

S#478
B. MUSCULUS

11-26-00
SB Tape #25

- sonobouy tossed now
1130 - both Channels on This bouy
→ really bad noise & reception on bouy

1209 - 28.9 Hz noise (??) 1.5 sec long

1214 - Stop monitoring → nothing else
real bad reception

SB# 51

11-29-00

SBTape# 26

Ch 6 Z
3 hrs
90 ft

S# 506
Brydes/Sei
9°30.9'N
108°16.9'W

1743 Bow dropped - will monitor later
Looks good - 7 bars each channel

(no monitor until 18:23)

- 1823 179 Hz sound
- 1825 42 Hz moan? w/ possible bottom bounce
- 1829 11 Hz ^{grassy} Moan w/ harmonics!! Several calls!!
11 Hz → 31 Hz (about 3 calls!!)
- 1831 42 Hz Moans - 2 of them (bottom bounce a 2 moans?)
- 1835 42 Hz?
- 1836 42 Hz
- 1839 Pulse w/ 72 Hz Base? Probably nothing?
- 1845 42 Hz w/ bottom bounce
- 1845 83 Hz Pulse? - some other pulses soon after
- 1848 63 Hz pulse?
- 1851 42 Hz moans
- 1853 LF pulse 11 Hz → 65 Hz
- 1856 42 Hz moans? More faint
- 1900 - radio interference
- 1903 - possible faint sound @ 42 Hz? Too faint.
→ It is CTD time, so there is a lot of radio interference
- 1913 STOP - Reception so-so & interference bad

Stop
Tape
@
19:59
Stop monitoring
but keep recording

SB#52

12-2-00

SB Repe #27

S#520 Brydes/Sci

14° 47.8' N

113° 23.7' W

Ch 57

9.0 ft

3 hrs

1705 Bouy Tossed - ~ 1 nm from whale

→ LOUD SHIP NOISE

1716 - Ship noise is better now - too loud for a while to hear/sec
now nothing

- Whale is up at 30R, pret → So, our bouy
is about 2 nm from the whale?

→ & whale is moving further away

~~Good~~ Good bouy

↓ monitored this bouy
mostly → see
next page

SB#53

1202
SB Tape#
27

Ch60
3hr
90ft

S#520
Brydes/Sci
14°50.4'N
113°24.55'W

1751 radio interference
1756 " "
between 1757 + 1758 - 2 broadband - look like clicks but
wider, that go from ~10-45 Hz

1801 - same

1804 - same, now too close in a row

1804:40 - 1 again

1806 - another one 10-50 Hz

1806:40 - again

1809:17 - great moan but I can hear it? → sounded like knocking

1809:50 - more of broadband click-looking thing
≡ ≡ ≡ 4

1722 - Buoy dropped - looks good
will monitor Ch60 on left & record Ch57 to right

1729 There seems to be a lot of static on Ch60 (left) but
Ch57 looks good (but it's far from whale)

1734 - lot more static on Ch60 - will monitor
Ch57 on left & record Ch60 on right

1755 - stop monitoring (no vocals so far)

1811 - back monitoring

1815 - check Ch60 → 60 is BAD
→ now recording L/R both Ch57

1828 - reception getting bad - stop recording
→ no vocals

SB#59

12-04

CH60
OKWS
906+

NITE
LAUNCH

21° 00.75 N
114° 11.71 W

1845 BOVY LAUNCHED - NITE TIME BOVY
IN SEARCH OF BLUES ?!?!

1845 → SOUNDS LIKE A
BAD, BAD BOVY

1848 - good reception for a minute, then crazy electrical
noise again!!

1855 - Still bad electrical noise - stop
monitoring for now. will check back
later & see if there is a signal

1915 still electrical noise

1720 went out completely I think; screen all black

1730 Rewinding tape to delete

SB# 55

12-5-00

SB# 28
tape

Ch 60
Depth 90 ft
Time 8 hrs

S# 556

Blue Whales

Lat: $23^{\circ} 23.6' N$

Long: $113^{\circ} 26.8' W$

1748 start recording

1749: TIME Deployed - looks like a good boy (all bars, all Ch)

1753 - sound @ 135 Hz

1754 50 Hz Moan ~ 10 sec (is it real?)

lots of very weird sounds, almost like metallic pops

We are

1756 51 Hz moan

1812 few moans from 1610 - 1611

1813 moan? more > 10 sec

~ 1813:30 ~~at~~ pulse at 90 Hz

1814 moan

1615 sonobouy went out / check more to see if comes back

still here
but need to
re-monitor
later

SB#56

12-05
SB Tape #28

Ch 56
8 hrs
90 ft

SB# 556
B. MUSCULUS
23° 24.6' N
113° 27.0' W

1758 Boy Tossed - Not sure if good?
want til ship noise dies down

1803 This boy is dead

← go back to old one

SB#57

Ch 63

2 hrs??

90 ft??

NITE BODY LAUNCH

23° 31.2' N

113° 28.4' W

1205

SB tape #28

1830 - Body launched - looks good, all 7 bars
(Body launched ~ 8 nmi from blue whales s# 556)

1847 48 Hz moan ~ 10 sec

1849 92 Hz sound ~ 2 sec

1850 237 Hz sound ~ 3 sec

~18:53:50 131 Hz sound ~ 3 sec

1855 radio interference

1856 90 Hz pulse

1857 radio interference

1858 90 Hz pulsing

1859 90 Hz pulsing

~18:59:40 possible 45 Hz moan

1900 90 Hz pulse - getting faint hard to distinguish

1901 many pulses but getting very faint

1903 possible down sweep ~ 90-70 Hz

1904 another down sweep 54-35 Hz ~ 2 sec (clear)

1906 another pulse (not so clear) ~ 90 Hz

1908 " " pulse ~ 90 Hz → more have followed

1911 radio interference

1915 moan at 49 Hz

1917 pulse 90 Hz followed by great moan which
radio interference cut at end.

1920 pulse followed by moan (both clear)

1923 down sweep ~ 58-48 Hz

1925 possible short moan 1-2 sec at ~ 45 Hz

- 1926 Possible moan under engine noise
Afterwards got some radio interference
- 1928 Maybe few 50 Hz moans but faint
so having trouble to recognize/distinguish them.
- 1929 few downsweeps? - kinda faint
- 1929:30 pulses long - ~~to~~ faint
- 1953 very clear pulse
- 1955 another great pulse
- 1957 moan 10 sec long
- 1958 great clear pulse followed by moan ~20 sec
- 2001 another pulse (not so great)
- 2004 blue whale vocals still going but stop
monitoring - keep recording

from
previous
page

SB#58

12-06-00

SB Tape #29

Ch 60

Depth 20 ft?

Time 2 hrs?

NITE LAUNCH

Lat: 26° 05.2' N

Long: 115° 20.1' W

1837 Bovy launched - all 7 bars on both channels
sounds half good - just not getting
great reception? Not sure what's wrong.
Will give it 2 min then try another.

1642 → Don't think it's good, will try another
→ change rt Ch to SS for next bovy

→ Then got better later, see
next page

(1857 380-325 Hz downsweep ~ 1 sec)
1858 radio interference

copy on next
page
go on
next
page, sorry

SB#59

Ch 55

Time ~~1845~~ 1847? 2 hrs?

Depth 90 ft?

NITE

LAUNCH

Lat 26 06.5 'N

Long 115 21.4 'W

12-06-00

SB Tape # 29

1845 Body Deployed - all 7 bars - Good?

1848 Both Ch 55 for test - look bad

Both Ch 60 for test - look good

1848 Ch 60 left, Ch 55 Rt → Monitor Ch 60

— 1850 - now monitoring for real (was working boys, etc before)

1854 - flipped LCh to 55 to check it out - still bad

1855 - radio interference

1857 - 380 - 325 Hz down sweep ~ 1 sec

1858 - radio interference

1901 - sound at 120 Hz - like moan - is it sth.??

1904 - switch to 55 - looks good - strange
repetitious sound though (sounds like helicopter)

1905 - back to 60

1910 - hearing strange sound here, too (sounds like helicopter) ^{ship?}

1911 - switch to 55 quickly - still works had
radio interference?

1912 ooh, still on ch 55 - look like pulse
at 120 Hz

ch 55 1913 pulse (120 Hz) followed by short moan? ² _{26 Hz} _{12 Hz}

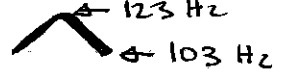
ch 55 1915 looks like more pulses ~~more~~ (maybe noise?)

1919 switch to 60 to check if see any same
sounds there / saw nothing

1921 switch back to ch 55

might have
ch 55 on
both channels?

Con't

- 1922 shoot? 55 dying
still have 7 bars, though
- 60 recording on ~~right~~ right
- 1924 will switch to ch 60 again
SB# 58 still good; 55 on right now
- 1928 possible pulse at 120 Hz - looks long
- 1929 Ch 55 still bad noisy - but still 7 bars
Only checked quickly - back to 60/
- gonna wait + hope 55 gets good again
- 1933 pulse (120 Hz) ??
- 1934 looks like super long 120 Hz pulse but
I also think I hear ship noise ??
- 1935 now have continuous line at 120 Hz
- 1936 ch 55 still noisy - 7 bars / did not switch L/R
- 1940 Looking at ch 55 - looks like wants to be
good, trying / ch 60 Right for now / both still 7 bars
- 1941 switch L/R back
- 1947 another pulse - looks more clear (but still faint)
- 1949 strange sound → 
- 1951 moans ?? → 92 Hz ~ 1-2 sec — —
- 1952-1954 many dark lines at different frequencies
maybe worth checking out
- 1955 ch 60 R / ch 55 L checking out 55 L - looks bad
think dead
- 1957 55 still 7 bars / ch 60 ~~7~~ 7 bars
- 1959 □ sound at 239 Hz to ~ 258 Hz

ch 60
↓

Con't

- 2026 Ch 55 is dead, now recording both
channels to Ch 60
- ~~2027 Superficially faint~~
- 2028 faint 46 Hz moan. too faint
- 2034 Not monitor for a few min
- ↓ DID NOT MONITOR
- 2041 Bony is dead

SB #60

Ch 60
Depth 90
Time 3 hrs

NITE LAUNCH

Lat 28 52.5° N
Long 116° 32.8° W

12-07-00

SB #30
removed
(deleted)

1803 - Buoy Dropped - all 7 bars, but not looking good (in/out) - like they were last nite. Will give it 15 min before I call it bad. Last nite they needed a little time.

1814 - Buoy still bad but we are now almost on station - hopefully it will get good for us.

1832 Giving up on The Sonobuoy
It is bad (i)

SB#61

CHSS

S#570 Humpbacks

12-08

906A

30° 39' .4' N

SB#30

3hrs

116° 16.0' N

1050- Bouy launched

Bad bouy → no bars, local radio interference
(we are close to shore)

1115 Bad bouy - gave up, never worked

SB#62

Ch 60
90 ft
3 hrs

ST570 Humphack
30° 39.5' N
116° 15.96' W

1208-00

SB#30

1054 Bouy launched - not looking good either
getting some radio interference
1115 Bad bouy - gave up, never worked