CSCAPE 2005

RECORD
ACCUSTICS
SONOBUDY
LOG

David Starr Jordan

7530-00-222-3525 FEDERAL SUPPLY SERVICE (GPO)

E SBOAT I, HER EVOLUS 3tent: 1309:49 00:00:00 00:22:11 renderal (21) volg a do os de of + does not sound good. 1300 - Using Jawas "Raven" program as RTS 1317

1300 - Blue whale sighting; sonobuoy +001 (77) Lat 43° 04.61'N Long 129° 54.14 N Baylip: 13:00:41 (Local Daje + Time), Ch. 88 ABAD BUOLLA - Systeting # 1049 . Bon (photos) Initially sighted @ 12:30 . @ position,
43° 6494'N 129° 53.31'W Anunal was resiglified (~ 1250) about 500m off stern, small boost being launched before that, waited till boost away. 1309 - DAT had been on pause (whoops!) Barted becording. DAT Start Rec: 13:09:49 1313 - Moving away from bridge but still tons - Can hear radio Much too clearly Somoburoy only has Hotic, still - Blue whale up behind ship ~ 1/2 nmi - Going to laurch another levey.

one and the control of the control o

5# 1049, Bm cont

The sound (only to 103 26 separtice)

~ 1470: two down gain (REC LEVEL) on DAT to ~ 6 Shill registers at about 12 dB on AT

* Party SB#002 c mosty SB#003
Morald to paid disc the

A Read By Male Market Control of the Control of the

12 - August 2005

1334: Sonobusy 2002 (TT) Horonon et: demeller W:43°03.06 N Long: 123°33,65°W DAT not currently recording = both busys had &BAD hury !!!

MOBIN - 5/54 Mooding (for Sonobuoy 4003)

1409 - Sonobusy # 003 (77) from at diames 22

and Lat: 43° 0495' N Long 129° 50,85' W Full bars
on receiver
contraction - no known vools

1411 - Lest reaght for 1049 Bm Lyd: 43° 04.78' N Lyg: 129 53.17' W

1422 - Hearing ship noise (+ 144e statie) - buoy stall working. Whale down airsently. Sounds like we are still close to buoy.

1430 - Pidring up Afron Whale Clicks, Hill Done Haric but clearly hearing clicks:

1438 - ^ 3 bay strength con SB receives

1441 - Retravira IB Still just gatture Pon Wiels , Static getting lauk

5#1049, Bm cont 12-August-2005 1451 - Both receivers fading in tout of two bars, increased static. Moving towards course + Speed 15 48132 lapered - Stop DAT

Marie and the second se	r=0-1
The second secon	Page 2

	Le: Ayut : 2005 By
The reality of I will should display outher and the	1345 - Blue WM 1 1,01 m Mar. 1
BBDAT QUI STOCK EN	1345 Bue whole delice observed partial sighting 6# 1000 @ 1319 40° L 15 north Brown vocals (1412) most recent resignt; #1060: 10° L Inmie
Lange to the second sec	1474 Sonolowy 4004 (277) Charmel 58 Claurices at 1424 23 Lawbarsbut - BARYON Laapon 45°, 30483 1260, 17783 - no known yesols
53 sonobray was inflated and the scalart	
A SOUTH 1: STORE TO KNOWN VOLATED, PM, STORE THERE HE	HTV Gordawy F 005 (57) Channel 65 @ 1449:40 Let 45 19.5 De les 19.5 De 19.5 D
	1455
A Ready to had die Yh "4	
	Janut not a splay a way a way of the splay o

843

16-August-8005

1511 - Songhow + 005 Still Studies 4000

1512. Musk there's lots of strump as well

525 AU ARANGEDRO EL GULLA COLORANIA

1526 - 3049 204422 Are 124 124 124 124 124 124

1540 Défente Pon clicles (not a lot) brut slow.

SECOS has two base of reception still

ECT, and going to continue with him tages.

JBDAT PROPERTY AND DESIGNATION OF DE PUE also
May be something

SBOAL SCALL BOUNDED CONTRACTOR OF THE STATE OF THE STATE

2005 - Luguy- 2005 3DD 5T002 , 541100.00 0912 0952 34 0900 -SHILDO Oranus orca, original info= 00:00:00 040:04 @ 0853, 1.81nni, rearing 292 The voals on saule RW to 0:00:00 Tossed buoy # 006 (57) Thrown at 2 11:43° 34.81'N 124° 56.96'0 0905 (check wincres for actual location) - Sounds (though no pilot tonest), ship props 0910 channel 29 (full bars, each receptor) & - Last seen two groups 1/4 nmi of bow. 6919 (two groups now) We're going 20L 092-2 One animal ~ 100m off bow Crecording on 0973 bow) 0975 getting a little more static from 513006, was hearing 8hip roise, now muffled by 0930 4 annials - 100m (starboad side) -nothing heard 0939 Only have I Genetiones 2 bars, buoy not good (Ittle bit of ware/ship, but mostly static)

9#1100,00 ont

22- August-2005

0949 - Turning full right - whole on Son

0952 : Stopping recording 3 will cross back to beginning - not a good busy no vocals

0953 - 4 annials of starboad hearn / 1 off part beam.

150R. 1/2 mm But.

- Arimals not as vocal-occasional

17701

9BDAT #002, Sighting #1112, Bb. Vocals
17:07:10: 1845(64): 1,38,35 0.00.00 V Recorded to hard disc - LTH (Ignore I'me stanger the thing ON LOW SONGE CONTRACTOR A Cape Solar Fred Cape Solar S

23-August-2005

1734 - Hearing a little more static (+ J3?) comple of faint vocals.

1737 SB007 Thousa be down swell ~1/2 nm (find

1737. - 10R, 1/2 nmi out Animals up

1738-127R /2nmi off (3B007) 1739-Animals went down 1740-Little more noise, no vocals just now, but Still have full bour!

1745 - Animals went down 21739, still down.

Vocalo Coresting (burgara)

- Howent heard anything in a little while

- Few Wocals, reals mostly.

- No vocals just now (Stopped) down to a 3 bars in but can still hear de

1813 - More Static, not hoaring anything just non down to 2-3 bins, will record to end of tape 1814 - Recovering J3. 1813 -

Down to I has , stopped recording.

26. August: 2005

Buoy Maig, stoop tope

SBORT 003, SHILLIP, BM - no known vocs, needs with 1423:46 158657 S# 1119 Bn @ 1246, 010, 2,97 nmi, speed 4 knots 0.00.00 1:03:32 - 40 KNOWN VOCALS */ Recorded to hard disc -> Not in real time! Tossing Sprokury 7008 (53) channel 58 Lat: 43° 27.53'N Long: 130°09.'01 W Looks lad & for BAD LAID -Sonobuoy # 009 (77), channel 64 14:17 Lat: 43° 24.19 N Long: 130° 09.05'N
Loolls good 80 for. Haring pops. 1400 - 2L, 1,5 mi, whale up. 1423 SB 009 Sounds good still Pm clubs. 1437 J3 Rung sold up Pm still present but 1446 - Coming 101, full Speed to drase en. - Whale maying want, last position 94, 2.3 min Will record for a three longer as we are leaving.

5 de la companya de l

SBDAT 003, SHIBLBM - no known foremed with an.

14:42:13 27-August - 2005 Blue whale: 3# 1121 Bm @ 1413 1436 40° 42.23 130° 58.717 2.7nmi, 330 01:03:32 END Lh -no know voc was not properly monitoring 1442 Sonobuoy # 0 to, 77, channel 75 SEDAT OOY sounds good so far, little bit 15:50 51 11137 40° 4260'N 130° 59.66 W 0:45:13 (RW 1:49:30) 00,00,00 Tape comple could not they bed - Harbe regainble) 1443 400m, 20 L, whal a up Ship still close to buony (loud) 1449 Experim whales bring heard Buoy 009 working well. * Rosside Vaal and of top 003 - toral is 12 hz Blue whale 100 m off post 1452 - 450005 Gonohua, at 2.5 neticles, 22 L, whale at 1503 9rd, 35 R . We are doze to busy again (how prop.) 1523 Whale up ~ 200 m of ithis 1625 Still getting Pm, Duoy Still good. 1536 1550 whoops, was doing ocean egraphy striff + noticed tape had stopped started new one Confidence and the continuous an Itell have full liers - look sources

3# 1121, Bm conf

27-August - 2005

1600 - J3 being Rilad up

1738 - Forget to stop tape Rw to 0:45:13

(

	64-loptember - 3005
	129 - Blue whales Fin whales originally thought
	Its be blues, 3/1156 (Fins)
	1930 - Had success inflating the 53 sonotrong that Laura fixed with wire + tape. Going to throw the buoy anyway to see y its working.
	that Laura Livell with wice + tage
	aging to the burn the
	See II it wishing I anyway To
ROBLEM/ LAUDIO: B- ROVR = 3/N GOL3 Im)	
Robian/ (Audio: B-RevR: B5/N 6063/m) ** ** ** ** ** ** ** ** ** ** ** ** **	1222 9201 57/ 10010 0 -11 0
World alvie Filoso con of	(E3) land smength, mannel 54
	Dut only getting electric static.
	Pury no good
	1732 3801 Eyllans Strength Channel 54 (53) but only getting electric static. Busy no good Making no recording

Problem:

- Left receiver (Audio B: - RCVR: B 3/N -606 3/m) is currently without any power (will not even turn on though seems to try as screen slightly lights up before going dark again)

Tests/Solutions: (TimA)

- Checked Fuses + connections
- > used voltmeter on BNC connections + power input
- Removed veceiver to as soon as it was out of chassy, it turned on
- changed power source from 8hips power to
- Tim A. Thinks that because 68 volts coming out of each plug, could have overpowered the drawy and other is empty => that power supply on that is empty => that power supply on that year was just being overpowered by AC power + 8horting.
- Now need to program down its with court frequencies:

Float 15 cut, peal off old flue off float + point of attachment.

Portile sided tape around plastic non (point of attachment).

Put float over plastic non unless there is zome approprial.

Thitially used rubber hosing from buon to wrap around to make scal, but tighterload wine.

Seemed to work botter (pliable, twisty).

Have to pull it to make it tight, pull with pleas.

Men induction around the wine (declical or other).

Fastly but duck tape around that

- want to remove any chance of air escaping.

When float in flated, pulls up the tape over wine + If not light enough, that is where you get a leak.

Bypossing battery to what floot.

F-This is done to conserve energy in the battery.

F-We exernal 12 vot source.

Find bathery on back > Hole cut in casing find aguar bathery where running down the batter - Les reed & tip part through sheath touch grown the

tograma (laura used the metal costina) + touch red Cooper) to internal wine; have to glue the hole in sheath to seal (2-part oporty suggested by Laura)