

DEPLOYMENT RECORD

Project Name: Corvairability Start Date: Sept 1997 End Date: May 2005
Mooring Name: JFAE-# Station Name: JFAE

Geog. Desc.: Island de Fuaa South side Tide: + 2.8 m
Latitude: 48° 15' 20.9" Longitude: 134° 02' 76.8"
Water Depth: 150m datum Ice Thickness: —
Magnetic decl.: — Time Zone: PDT Anchor Type: 4chucks 2900 lbs
Date: Sept. 17 2004 Time Anchor Dropped: 1942 PDT Date: —
Remarks:

RECOVERY RECORD

Date: Apr. 28 2005 Time Anchor Released: 1214 PDT
Remarks: _____

INSTRUMENTS (Start at TOP)

[illegible]

Argos 4014

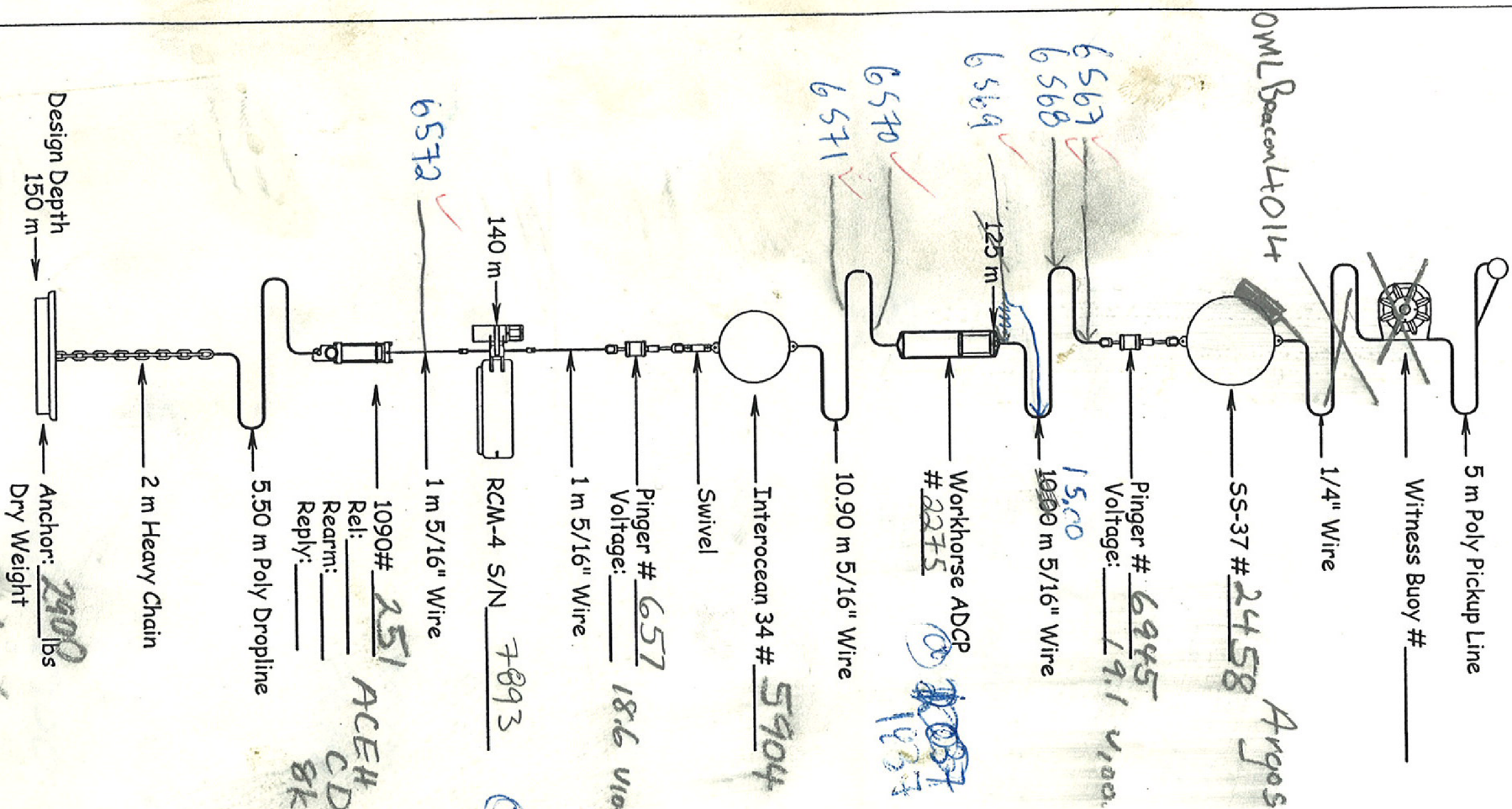
Release	Serial	R Code	Arm Code	Freq	On/Off	B0	B1	Aux Codes
1090	251	ACEH	CDFG	8KHz	—			
Pinger 1	Type	Serial	Pinger 2	Type	Serial	Battery Volt		
4411c	4x27	6945	DNAL	4x27	657	19.1	18.6	

FLUTATION.

Type	Serial #	Size	Colour
SS37	2458	37"	yellow
ADCP	collar		yellow
SS34	5904	34"	yellow

[illegible]

Latka Entry by:



+ 2.8 m tide @ Sekiu
152.8 - 2.8 m = 150 m datum

JF2E-CV-F	
Latitude: 48°15.209'	
Longitude 124°9.768	
Time: 1942PDT	Date: Sept 17, 2011
Depth: 152.8 m = 150 m datum	

✓ F2E - F

Sep. 18 17

5m poly + float pick up line

SS37

2458

$\frac{1}{2}$ " ϕ $\frac{1}{2}$ " ϕ swivel $\frac{1}{2}$ " ϕ

Pinger 6945 19.4' w/o $\frac{1}{2}$ " ϕ

15m $5/16$ " wire

ADCP #2275

2 float collar

12" * 8"

external battery

10m $5/16$ " wire $\frac{1}{2}$ " ϕ

SS34 5904

$\frac{1}{2}$ " ϕ $\frac{1}{2}$ " ϕ swivel $\frac{1}{2}$ " ϕ

Pinger 657 18.6' w/o $\frac{1}{2}$ " ϕ

1m. $5/16$ " wire

RCM4 7893

vane. 458

1m $5/16$ " wire

1090 251

Rel: ACEH

Ream: CDFG

SKHz

1" ϕ

5.28m 1" poly $\frac{3}{8}$ " ϕ

4 wheels 2900 lbs

Date Time(PDT)

^{1m}
water

2C { CDEH ABDH } 2B
ABGH

JF2E-F = ACEH

Sep. 17. 1818

- on station JF2E for recovery
 - drifting over ranges from 160 - 154 m
 - ranges rising 157, 160, 164, 165 - 207 m
- 1823
- sent BCDF - rec'd positive response

- recovered without incident
- clean up + set up

1942

- deployed JF2E-F at $48^{\circ}15.209' 124^{\circ}09.768'$
in 152.8 m water with +2.8 m tide
datum = 150m

- head for CTD lines

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcm 4 SERIAL #: 7893 PST UTC, OTHER: (ma) 16m4
 TAPE SIZE: 3 1/4" PROJECT: _____

Channel #	Reading 1	Reading 2	Last Cal
1 Reference	383		
2 Temperature	100.7		
3 Conductivity	268		
4 Ext amp/pressure	47		
5 Direction	87		
6 Speed	8		
Date: <u>Sept 15/04</u> Time: <u>1800 PST</u>			

Rotor Counter Information:

Rev/Count: 4
 F.S. = 95 Cm/s
 Rotor Switch: 4
 Rotor Type: 3

Sampling Interval: 30 MIN
 Pressure Sensor Range: 500 PSI
 Depth Max: 363 MAX
 Conductivity Range: 24-44 MMHO
 HI Res Temperature Range: _____

Depth: 140m TAPE ID: 7893/13
 Serial #: 51890-6
 Compass Serial #: 0016291
 Cell Serial #: 7792

Channel #	Reading 1	Reading 2
1 Reference		
2 Temperature		
3 Conductivity		
4 Ext amp/pressure		
5 Direction		
6 Speed		
Date: _____ Time: _____		

TIME IN WATER: 1840 PST DATE: SEP 17 2004 TIME OUT WATER: 1240 PST DATE: Apr 28 2005
 BAT VOLTAGE: 9.96 ON DEPLOYMENT BAT VOLTAGE: 8.56 ON RECOVERY
 CRUISE ID: 2004-24 DEPLOYED CRUISE ID: 2005-08 RECOVERED
 TECHNICIAN: P TECHNICIAN: LP

NOTES: _____

JFE-F - SERIAL-2275
 External Battery pack measured: 44.65v
 No Compass Calibration.

Start: Sept17, 2004 @1800PST
 End: Mid May

Release (00122300) Data

3001k12 Workhorse Monitor/Starfish

Choices: Number of Bins (1 - 128) 32 Bin Size (m) (0.2M - 16.1M) 4.1M Virgins per Transombo (1842) 30 Interval (msec) (0.001-1M) 0.015000 Deployment Duration (days) 250.00 Transducer Depth (m) 1000.0 Salinity (ppt) 32 Magnetic Variation (deg): 0.0		Power: ☒ High ☐ Low Mode: ☒ RH ☐ LH		Connect Functions: 5.5M m Line Bin Range 13.1M m Lead Bin Range 118.5M m Max Range 345.5 Wh Battery Usage Temperature: 0.0 deg (C) 4.5 cm/s Standard Deviation 240000000 Type Transomion 18.5M MB Storage Occupied	
Init Flag: ☐ Immediately After Deployment Time and Date: 18:00:00 2004-09-17		Data: ☒ Record Internally (ADCP) ☐ Send Data Out Serial Port		Details: Info	
Notes: Serial 2275 Deployment: J121-1 Start: Sept 17, 2004 at 18:00 PST (LH): Mid September MOD15: No Compass Calibration - External Battery Pack (1000000)					

Edits rows inserted at the top of the command file

>>>>> Function starting 09/17/04 15:38:34 >>>>>

[BREAK Wakeup A]
 Workhorse Broadband ADCP Version 16.20
 RD Instruments (c) 1996-2001
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 >TS040917153836
 >CZ

Powering Down

>>>>> Function starting 09/17/04 15:38:44 >>>>>

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.20

RD Instruments (c) 1996-2001

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>DEPLOY?

Deployment Commands:

RE ----- Recorder ErASE

RN ----- Set Deployment Name

WD = 111 100 000 ----- Data Out (Vel, Cor, Amp; PG, St, P0; P1, P2, P3)

WF = 0176 ----- Blank After Transmit (cm)

WN = 027 ----- Number of depth cells (1-128)

WP = 00068 ----- Pings per Ensemble (0-16384)

WS = 0400 ----- Depth Cell Size (cm)

WV = 170 ----- Mode 1 Ambiguity Vel (cm/s radial)

TE = 00:15:00.00 ----- Time per Ensemble (hrs:min:sec/100)

TF = **/**/**, **: **: ** ----- Time of First Ping (yr/mon/day, hour:min:sec)

TP = 00:13.23 ----- Time per Ping (min:sec/100)

TS = 04/09/17, 15:38:45 ----- Time Set (yr/mon/day, hour:min:sec)

EA = +00000 ----- Heading Alignment (1/100 deg)

EB = +00000 ----- Heading Bias (1/100 deg)

ED = 01100 ----- Transducer Depth (0 - 65535 dm)

ES = 32 ----- Salinity (0-40 pp thousand)

EX = 11111 ----- Coord Transform (Xform: Type, Tilts, 3 Bm, Map)

EZ = 111111 ----- Sensor Source (C,D,H,P,R,S,T)

Press any key to continue

CF = 11101 -----

-- Flow Ctrl (EnsCyc;PngCyc;Binry;Ser;Rec)

CK ----- Keep Parameters as USER Defaults

CR # ----- Retrieve Parameters (0 = USER, 1 = FACTORY)

CS ----- Start Deployment

>SYSTEM?

System Control, Data Recovery and Testing Commands:

AC ----- Output Active Fluxgate & Tilt Calibration data

AF ----- Field calibrate to remove hard/soft iron error

AR ----- Restore factory fluxgate calibration data

AX ----- Examine compass performance

AZ ----- Zero pressure reading

CB = 811 ----- Serial Port Control (Baud; Par; Stop)

CP # ----- Polled Mode (0 = NORMAL, 1 = POLLED)

CZ ----- Power Down Instrument

FC ----- Clear Fault Log

FD ----- Display Fault Log

OL ----- Display Features List

PA ----- Pre-Deployment Tests

PC1 ----- Beam Continuity

PC2 ----- Sensor Data
PS0 ----- System Configuration
PS3 ----- Transformation Matrices

RR ----- Recorder Directory
Press any key to continue
-- Recorder Space used/free (bytes)
RY ----- Upload Recorder Files to Host

>TS?
TS = 04/09/17,15:39:26 --- Time Set (yr/mon/day,hour:min:sec)
>PS0

Instrument S/N: 2275
Frequency: 307200 HZ
Configuration: 4 BEAM, JANUS
Match Layer: 10
Beam Angle: 20 DEGREES
Beam Pattern: CONVEX
Orientation: UP
Sensor(s): HEADING TILT 1 TILT 2 DEPTH TEMPERATURE PRESSURE
Pressure Sens Coefficients: (c3,c2,c1,offset) -0.00,0.00,0.16,-24.13

Temp Sens Offset: -0.41 degrees C

CPU Firmware: 16.20 [0]
Boot Code Ver: Required: 1.13 Actual: 1.13
DEM0D #1 Ver: ad48, Type: 1f
DEM0D #2 Ver: ad48, Type: 1f
PWRIMG Ver: 85d3, Type: 4

Board Serial Number Data:

59 00 00 02 C9 30 61 09 DSP727-2001-04F
9D 00 00 03 01 98 83 09 REC727-1000-04A
BB 00 00 03 01 6C 43 09 CPU727-2000-00H
27 00 00 03 01 9A FB 09 PIO727-3000-04C

>PA

PRE-DEPLOYMENT TESTS

CPU TESTS:

RTC.....PASS
RAM.....PASS
ROM.....PASS

RECORDER TESTS:

PC Card #0.....DETECTED
Card Detect.....PASS
Communication.....PASS
DOS Structure.....PASS
Sector Test (short).....PASS
PC Card #1.....DETECTED
Card Detect.....PASS
Communication.....PASS
DOS Structure.....PASS
Sector Test (short).....PASS

DSP TESTS:

Timing RAM.....PASS
Demod RAM.....PASS


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Demod REG.....PASS
FIFOs.....PASS
SYSTEM TESTS:
XILINX Interrupts... IRQ3 IRQ3 IRQ3 ...PASS
Receive Loop-Back.....PASS
Wide Bandwidth.....PASS
Narrow Bandwidth.....PASS
RSSI Filter.....PASS
Transmit.....PASS
SENSOR TESTS:
H/W Operation.....PASS
>PC2

```

Press any key to quit sensor display ...

```

Heading Pitch Roll Up/Down Attitude Temp Ambient Temp
PRESSURE
341.78ø -0.48ø -1.30ø Up 22.00øC 20.84øC
0.8 kPa343.42ø -0.34ø -0.99ø Up 22.02øC 20.84øC
1.4 kPa343.05ø -0.43ø 0.06ø Up 22.00øC 20.84øC
-0.8 kPa340.95ø -0.63ø 0.92ø Up 22.02øC 20.83øC
0.9 kPa338.82ø -0.89ø 1.13ø Up 22.01øC 20.85øC
-2.5 kPa338.66ø -0.82ø 0.69ø Up 22.01øC 20.84øC
4.6 kPa339.33ø -0.35ø -0.38ø Up 22.01øC 20.84øC
4.1 kPa339.89ø -0.01ø -1.27ø Up 22.00øC 20.85øC
4.6 kPa340.91ø -0.13ø -0.86ø Up 22.01øC 20.84øC
2.5 kPa
>RS
RS = 000,107 ----- REC SPACE USED (MB), FREE (MB)
>PC1

```

BEAM CONTINUITY TEST

When prompted to do so, vigorously rub the selected beam's face.

If a beam does not PASS the test, send any character to the ADCP to automatically select the next beam.

```

Collecting Statistical Data...
39 43 41 44 39 42 41 44 39 42 41 44 39 42 41 44 39 42 41 44 39 42
41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42
41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 42 40 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42
40 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42
41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 43 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42
41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 43 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42
41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43
39 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43 39 42 41 43

```

Rub Beam 1 = PASS
Rub Beam 2 = PASS
Rub Beam 3 = PASS
Rub Beam 4 = PASS

>CZ

Powering Down

>>>>> Function starting 09/17/04 15:41:45 >>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
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>CRI

[Parameters set to FACTORY defaults]

>CF11101

>EA00000

>EB00000

>ED01000

>ES32

>EX11111

>EZ1111111

>TE00:15:00.00

>TE04/09/17,18:00:00

>TP00:30.00

>WB0 ...

>WD111100000

>WF0176

>WN032

>WP00030

>WS0400

>WV170

>CK

[Parameters saved as USER defaults]

>The command CS is not allowed in this command file. It has been
ignored.

>The following commands are generated by this program:

>CF?

CF = 11101 ----- Flow Ctrl (EncCyc;PngCyc;Binry;Ser;Rec)

>CF11101

>RN JF2EF

>CS

Study initialization log file
InitDate:Time, DelayedStart, SamplePeriod, Minilog info, StudyName
YYYY/mm/dd hh:mm:ss, YYYY/mm/dd hh:mm:ss, hh:mm:ss, type memory SN (range), ascii text
2004/09/17 16:01:41, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6572, JF2E-F-PST
2004/09/17 16:03:40, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6571, JF2E-F-PST
2004/09/17 16:05:07, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6570, JF2E-F-PST
2004/09/17 16:07:01, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6570, JF2E-F-PST
2004/09/17 16:08:25, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6569, JF2E-F-PST
2004/09/17 16:09:49, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6568, JF2E-F-PST
2004/09/17 16:11:21, 2004/09/17 18:00:00, 00:30:00, 12 bit Minilog-T 16K SN:6567, JF2E-F-PST

Date Time PDT

- Apr. 28
- 0932 - on station JF2C-F for recovery.
 - range 194, 181, 179
 - moving off to release position
 - 0938 - ranges 267, 269
 - 0940 - sent ADGH received positive response
 - 0941 - sighted on surface. - recovered without incident
 - head for JF2E after lunch recovery.

- 1210 - on station JF2E-F for recovery. app. 1 1/2 cable off.
 - drifting closer 218, 211, 209

- 1214 - sent ACEH received positive response.
- 1215 - sighted on surface.

- 1258 - head for CTD's on JFE Line