DEPLOYMENT RECORD

Project Name: Convriability Start Date: Sept/04 End Date: May 2005
Mooring Name: JF2B-F Station Name: JF2B

Geog. Desc.: Juan de Fuca - North Tide: +4.1 m
Latitude: 48°22.922' Longitude: 124° 11.045'
Water Depth: 162m datum Ice Thickness: —
Magnetic decl: — Time Zone: PDT Anchor Type: 4 wheels @ 2870 lbs
Date: Sep. 22, 2004 Time Anchor Dropped: 1817 PDT Date:
Remarks:

RECOVERY RECORD

Date: Apr. 28, 2005 Time Anchor Released: 0818 PDT
Remarks: - RCM 6653 was missing rotor on recovery.

INSTRUMENTS (Start at TOP)

Type	Serial #	Depth	Time in	Time Out	Notes
RDI 300k	2281	123m	1710 PST		
RCM4	6653	148m	1710-1711 PST		
7 X Vemco					

Argos #20920 FRI TT301 #81

Release	Serial	R Code	~~Arm Code~~	~~Freq~~	On/Off	B0	B1	Aux Codes			
RT161	849	8235			8231	8232					

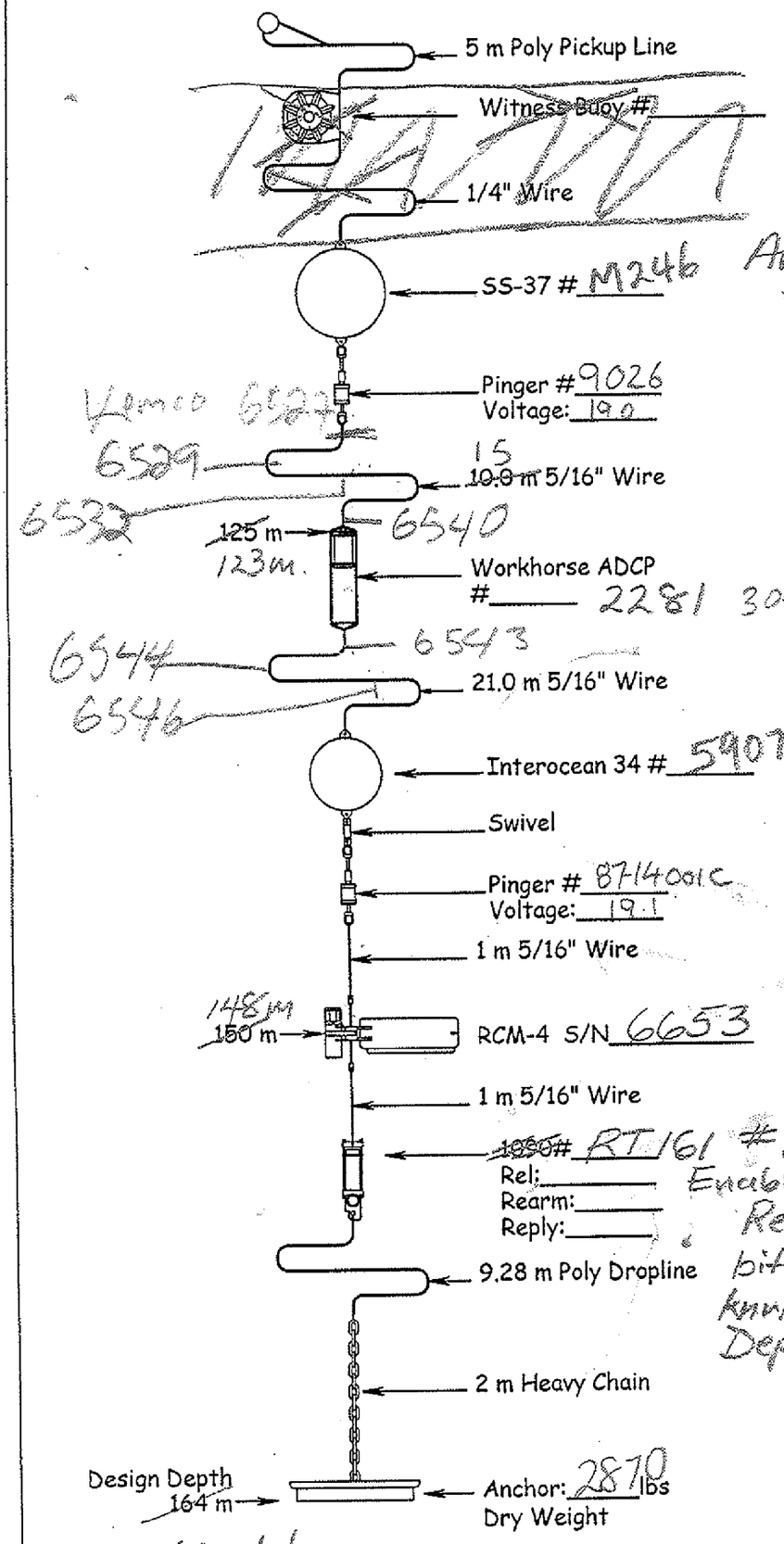
Pinger 1	Type	Serial	Pinger 2	Type	Serial	Battery Volt	
Helle	1/4 x 27	9026	OML	1/4 x 27	87-1400C	19.0	19.1

FLOTATION

Type	Serial #	Size	Colour
SS37	M246	37"	yellow
ADCP	floatation		"
SS34	5907	34"	"

Type	Serial #	Size	Colour

Data Entry by:



JF2B-~~01~~ F	
Latitude: 48° 22.922' N	
Longitude 124° 11.045' W	
Time: 1917 PDT	Date: 22/10/2008
Depth: 166 on Sounder = 162 datum	

JF2B Sep. 22

5m poly + 8" float 1/2"Ø

SS37 M246

Toyocom 20920

swivel 1/2"Ø

Pinger # 9026 19.0 v100 1/2"Ø

15m 5/16" wire

ADCP 2281

21.05m 1/4" wire 1/2"Ø

I034 5907

7/16"Ø 1/2"Ø swivel 1/2"Ø

Pinger # 871400IC 1/2"Ø

1m 5/16" wire

RCM4 6653 vane 406

1m 5/16" wire 1/2"Ø

RT161 # 8449 Bit 0 = 9

Enable = 8231 Bit 1 = 3

Disable = 8232

Release = 8235

bronze ring

9.28m 1" poly 7/8"Ø

4 wheels 2870 lbs

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: RCM 4 SERIAL #: 6653 PST, UTC, OTHER:
TAPE SIZE: 3 1/4" PROJECT: Covariability. I(mA) 15mA

PIMS

Channel #	Reading 1	Reading 2	Last Cal
1. Reference	825		
2. Temperature	966		
3. Conductivity	256		
4. Extemp/pressure	49		
5. Direction	70		
6. Speed	13		
Date Sept 15/04 Time	1800 PST		

Rotor Counter Information:
Rev/Count: 4
F.S.= 95 Cm/S
Rotor Switch: 4
Rotor Type: 5

Sampling Interval: 30 MIN
Pressure Sensore Range: 500 PSI
Depth Max: 368 MAX
Conductivity Range: 24-44 MMHO
HI Res Temperature Range: —

Depth: 148 m. TAPE ID: 6653/19
Serial #: 34554-51
Compass Serial #: 10686
Cell Serial #: 6581

Channel #	Reading 1	Reading 2
1. Reference	825	
2. Temperature	960	
3. Conductivity	256	
4. Extemp/pressure	48	
5. Direction	992	
6. Speed	6	
Date April 28/05 Time	2159 PST	

TIME IN WATER: 1710-1717 PST DATE: Sep. 22, 2004 TIME OUT WATER: 0818 PDT DATE: Apr. 1 28, 2005
BAT VOLTAGE: 9.79 ON DEPLOYMENT BAT VOLTAGE: 8.19 ON RECOVERY
CRUISE ID: 2004-39 DEPLOYED CRUISE ID: 2005-08 RECOVERED
TECHNICIAN: p TECHNICIAN: cp

NOTES: NO ROTOR - Lost on Recovery

Missing Rotor on recovery

Effingham

Please note used Bottle # 4

At depth

Date Time PDT

Sep. 22 1817

1936

Vane x7

5 m Poly Pickup Line

~~Witness Buoy #~~

~~1/4" Wire~~

SS-37 # M246 Argos Toyocom #20920 On

1710 PST

Pinger # 9026
Voltage: 19.0

Kemio 6527

6529

15 ~~10.0 m~~ 5/16" Wire

6532

125 m

6540

Workhorse ADCP
2281 300kHz

6544

6543

21.0 m 5/16" Wire

6546

Interocean 34 # 5907

Swivel

Pinger # 8714001C
Voltage: 19.1

1 m 5/16" Wire

150 m

RCM-4 S/N 6653 vane 406

1 m 5/16" Wire

~~1050#~~ RT161 #849 TT301 #81 FR1
Rel:
Rearm:
Reply:
Enable 8231 Disable 8232
Release 8235
bit 0 = 9 bit 1 = 3
knn/-knob screwed in = ON
Deployed Disabled *

9.28 m Poly Dropline

2 m Heavy Chain

Design Depth
164 m

Anchor: 2870 lbs
Dry Weight

4 wheels

4.1 m at Sekiu

JF2B-~~01~~ F	
Latitude: 48° 22.922' N	
Longitude 124° 11.045' W	
Time: 1817	Date: 22 Oct 2007
Depth: 166 on Sounder	

Effingham Station Notes: 0830 P.D.T.

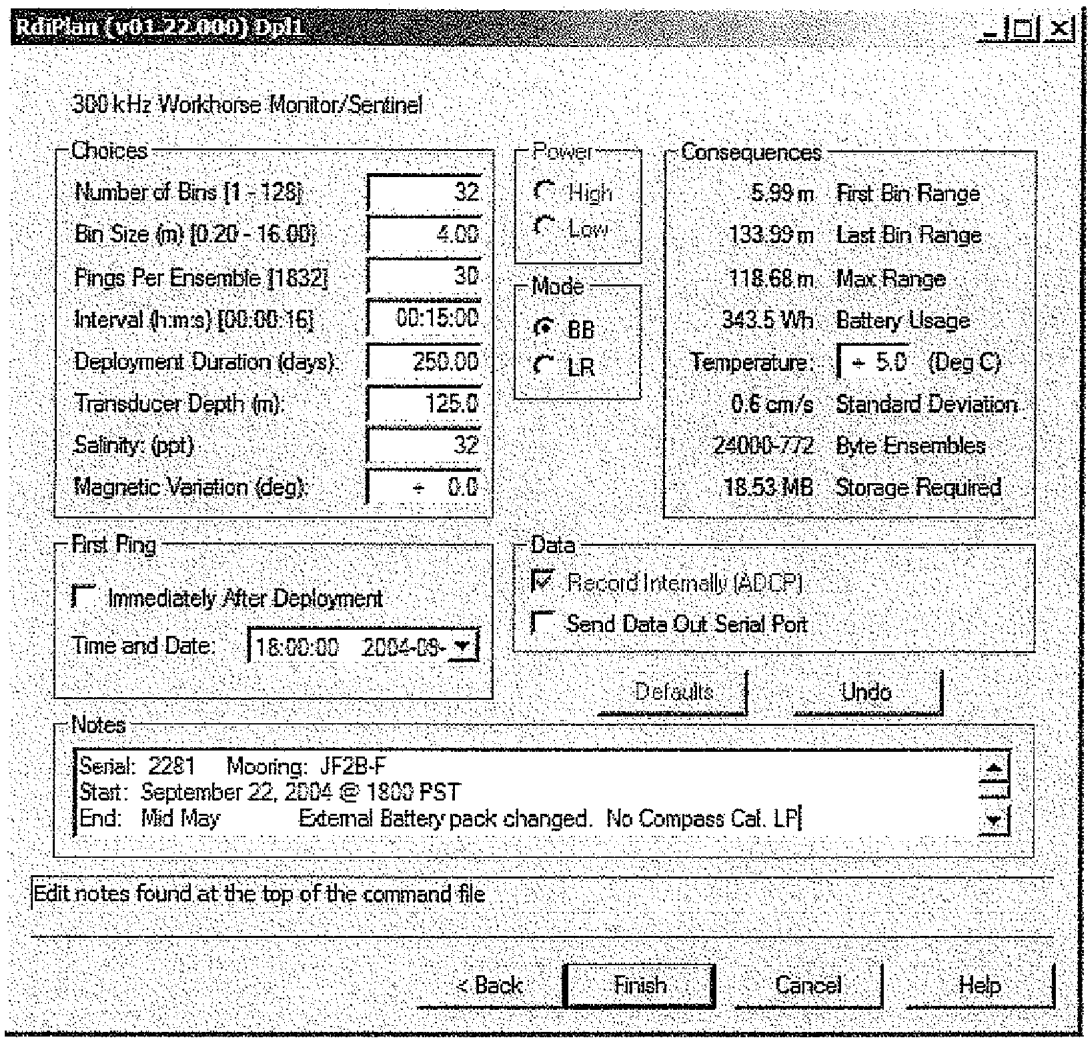
Please note that bottles 1 & 2 fire intermittently so will not be used.
Bottle # 23 is missing and is in bottle # 11 slot.

At depth we fire 3 bottles taking the bottom sample from # 3

JL

Date	Time PDT	
Sep. 22	1817	- deployed JF2B-F in 166 m water with +4.1 m tide @ position: 48° 22.922' 124° 11.045'
		- head for CTD's on JFB Line
	1936	- Oxygen Standardization are is app. .08 lower than the expected .715 - .724 range. Typical standard on this cruise has been .707

New Pack installed @ 44.74 Volts. LP
Same Internal Pack @ 35.78V No Compass Swing
September 21, 2004



123 m.

```
>>>>>> Function starting 09/22/04 15:14:58 >>>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
RD Instruments (c) 1996-2001
All Rights Reserved.
>TS040922151500
>CZ

Powering Down

>>>>>> Function starting 09/22/04 15:15:07 >>>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
```

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RD Instruments (c) 1996-2001
All Rights Reserved.
>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 = 032 ------------------ Number of depth cells (1-128)
WP = 00030 ---------------- Pings per Ensemble (0-16384)
WS = 0400 ----------------- Depth Cell Size (cm)
WV = 170 ------------------ Mode 1 Ambiguity Vel (cm/s radial)

BP = 000 ------------------ Bottom Track Pings per Ensemble

TE = 00:10:00.00 ---------- Time per Ensemble (hrs:min:sec.sec/100)
TF = **/**/**,**:**:** --- Time of First Ping (yr/mon/day,hour:min:sec)
TP = 00:20.00 ------------ Time per Ping (min:sec.sec/100)
TS = 04/09/22,15:15:08 --- Time Set (yr/mon/day,hour:min:sec)

EA = +00000 --------------- Heading Alignment (1/100 deg)
EB = +00000 --------------- Heading Bias (1/100 deg)
ED = 01250 ---------------- Transducer Depth (0 - 65535 dm)
ES = 32 ------------------- Salinity (0-40 pp thousand)
EX = 11111 ---------------- Coord Transform (Xform: Type,Tilts,3 Bm,Map)
Press any key to continue                        EZ = 1111111 -----------
-- Sensor Source (C,D,H,P,R,S,T)

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
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Date	Time PDT	
Apr. 28	0745	- on station JF2B-F for recovery. - saw mooring on sounder - individual buoys
		- sent 8231 repeatedly and received bad ranges but also the Rec'd + Exec'd responses
		- sent 8332 and 8331 Disable/Enable - no improvement on ranges
	0756	- moved back over mooring to verify with pinger.
		- heard 2 pingers on station and as we drifted off.
		- ranges 197, 200 - 2 good ranges then they went bad again
		- trying dunking transducer - drifting off. ranges 211, 213, 235, 252, 259, 264, 273, 282
	0818	- range 311, 320, sent 8235 received "Rec'd + Exe."
	0819	- sighted on surface
		- recovered OK
		- RCM4 missing rotor on recovery
		- the crew dropped line on recovery requiring separate approach to bottom buoy.