

DEPLOYMENT RECORD

Project Name: Aquaculture Start Date: Mar. 2008 End Date: Sep 2008
 Mooring Name: KIW-06-S Station Name: KIW-S

Geog. Desc.: Knight Inlet South Channel Tide: Port Harvey + 3m
 Latitude: 50° 38.991' N Longitude: 126° 06.232' W
 Water Depth: 186m datum Ice Thickness: _____
 Magnetic decl: _____ Time Zone: _____ Anchor Type: 2415/bs 3 wheel
 Date: _____ Time Anchor Dropped: 1952 PDT Date: Mar. 26, 2008
 Remarks: * Design depth changed from 160m to 180m on site.

RECOVERY RECORD

Date: Sep. 12, 2008 Time Anchor Released: 1348 PDT
 Remarks: - recovered without incident.

INSTRUMENTS (Start at TOP)

Type	Serial #	Depth	Time in	Time Out	Notes
<u>RDT</u>	<u>2722</u>	<u>51m</u>			<u>Plastic external</u>
<u>RCMY</u>	<u>6357</u>	<u>71m</u>			<u>500 PSI</u>
<u>RCMY</u>	<u>7893</u>	<u>106m</u>			<u>500 PSI</u>
<u>RCMY</u>	<u>6491</u>	<u>151m</u>			<u>No Pressure</u>

WB 3732 Argos

Release	Serial	R Code	Arm Code	Freq	On/Off	B0	B1	Aux Codes			
AR861	737	1655	16B7								

Pinger 1	Type	Serial	Pinger 2	Type	Serial	Battery Volt	
Helle	1/4x27	9765	OML	1/4x27	86	16.5	17.0

FLOTATION

Type	Serial #	Size	Colour
<u>WB</u>	<u>3732</u>	<u>17"</u>	<u>ye llow</u>
<u>SS30</u>	<u>550</u>	<u>30"</u>	<u>"</u>
<u>4 Vinyl ADCP frame</u>			<u>orange</u>
<u>SS28</u>	<u>210</u>	<u>28"</u>	<u>ye llow</u>
<u>"</u>	<u>2474</u>	<u>"</u>	<u>"</u>
<u>"</u>	<u>2569</u>	<u>"</u>	<u>"</u>
<u>SG17</u>	<u>44798</u>	<u>17"</u>	<u>"</u>
<u>"</u>	<u>44763</u>	<u>"</u>	<u>"</u>
<u>"</u>	<u>44762</u>	<u>"</u>	<u>"</u>
<u>"</u>	<u>44805</u>	<u>"</u>	<u>"</u>

Type	Serial #	Size	Colour

Data Entry by:

PlanADCP (Advanced) : [KIW6S]
 BackToSC Settings View Help

CAUTION: Not enough battery packs for the deployment.

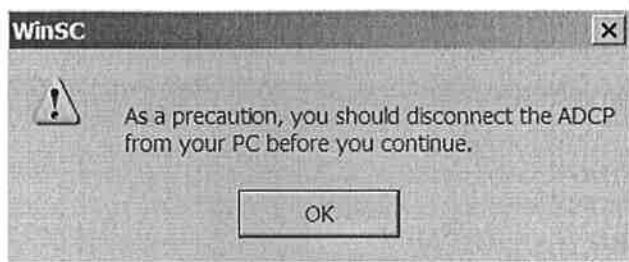
Basic Advanced Expert

Environmental Setup:		Profiling Setup:		Deployment Consequences:	
Transducer Depth:	0 m	Pings Per Ensemble:	100	First Cell Range:	2.72 m
Salinity:	31 ppt	Number of Depth Cells:	115	Last Cell Range:	59.72 m
Magnetic Variation:	0 °	Depth Cell Size:	0.5 m	Max Range:	77.32 m
Temperature:	7 °C	Mode:	1	Standard Deviation:	2.79 cm/s
Deployment Timing Setup:				Ensemble Size:	2454 bytes
Duration:	180 days			Storage Required:	60.66 MB
Ensemble Interval:	00:10:00.00			Power Usage:	965.25 Wh
Ping Int. (☒ Auto):	00:00:05.00			Battery Pack Usage:	2.1
☐ Ping Immediately After Deployment First Ping Date and Time: 26-Mar-2008 22:00:00		Notes: KIW06-S s/n 2272 2008-07 Alum Housing, plastic external battery case.LP		Depth: 51m.	

Workhorse Sentinel: 300 kHz/ High Res./ 2 Battery Packs/ Memory: 112 MB

CR1
 CF11101
 EA0
 EB0
 ED0
 ES31
 EX11111
 EZ1111111
 WA50
 WB0
 WD111100000
 WF176
 WN115
 WP100
 WS50
 WV175
 TE00:10:00.00
 TP00:06.00
 TF08/03/26 22:00:00
 CK
 CS

This split up the files into 12 different sets of varying size. 4P.



>>>>> Function starting 03/26/08 21:43:10 >>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
RD Instruments (c) 1996-2001
All Rights Reserved.
>TS080326214312
>CZ

Powering Down

>>>>> Function starting 03/26/08 21:43:20 >>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
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 = 090 ----- Number of depth cells (1-128)
WP = 00085 ----- Pings per Ensemble (0-16384)
WS = 0050 ----- Depth Cell Size (cm)
WV = 175 ----- Mode 1 Ambiguity Vel (cm/s radial)

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 = 00:07.05 ----- Time per Ping (min:sec.sec/100)
TS = 08/03/26,21:43:22 --- Time Set (yr/mon/day, hour:min:sec)

EA = +00000 ----- Heading Alignment (1/100 deg)
EB = +00000 ----- Heading Bias (1/100 deg)
ED = 00000 ----- Transducer Depth (0 - 65535 dm)
ES = 31 ----- Salinity (0-40 pp thousand)
EX = 11111 ----- Coord Transform (Xform: Type,Tilts,3 Bm,Map)
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 = 411 ----- 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

RF ----- Recorder Space used/free (bytes)

RY ----- Upload Recorder Files to Host

>TS?

TS = 08/03/26,21:43:26 --- Time Set (yr/mon/day,hour:min:sec)

>PS0

Instrument S/N: 2272

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) 0.00,0.00,0.14,13.53

Temp Sens Offset: -0.30 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

PWRTIMG Ver: 85d3, Type: 4

Board Serial Number Data:

00 00 00 03 01 90 98 09 CPU727-2000-00H

25 00 00 02 C9 02 58 09 DSP727-2001-04F

67 00 00 03 01 8B 39 09 REC727-1000-04A

EC 00 00 03 01 60 95 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
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
139.580	1.020	0.270	Up	15.950C	17.510C	-1.9 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 42 43 42

Rub Beam 1 = PASS

Rub Beam 2 = PASS

Rub Beam 3 = PASS
Rub Beam 4 = PASS

>CZ

Powering Down

>>>>> Function starting 03/26/08 21:44:42 >>>>>

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

Pressure Offset Updated in NVRAM.

>CZ

Powering Down

>>>>> Function starting 03/26/08 21:44:49 >>>>>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
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>RE ErAsE erasing...

Recorder erased.

>CZ

Powering Down

>>>>> Function starting 03/26/08 21:44:57 >>>>>

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

Recorder Directory:

Volume serial number for device #0 is 1b66-1ee1

No files found.

Bytes used on device #0 = 0

Volume serial number for device #1 is 065b-10ef

No files found.

Bytes used on device #1 = 0

Total capacity = 111697920 bytes

Total bytes used = 0 bytes in 0 files

Total bytes free = 111697920 bytes

>

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.20
RD Instruments (c) 1996-2001
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>CR1

[Parameters set to FACTORY defaults]

>CF11101

>EA0

>EB0

>ED0

>ES31

>EX11111

>EZ1111111

>WA50

>WB0

>WD111100000

>WF176

>WN115

>WP100

>WS50

>WV175

>TE00:10:00.00

>TP00:06.00

>TF08/03/26 22:00:00

>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 (EnsCyc;PngCyc;Binry;Ser;Rec)

>CF11101

>RN KIW6S

>cs

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcm4 SERIAL #: 6357 PST, UTC, OTHER: _____
 TAPE SIZE: 3' PROJECT: _____ I(mA) _____

Channel #	Reading1	Reading 2	Last Cal
1. Reference	<u>787</u>		
2. Temperature	<u>784</u>		
3. Conductivity	<u>253</u>		
4. Extemp/pressure	<u>67</u>		
5. Direction	<u>37</u>		
6. Speed	<u>14</u>		
Date: <u>March 26/08</u> Time: <u>21 30 UTC</u>			

Rotor Counter Information:

Rev/Count: 4
 F.S.= 91 Cm/S
 Rotor Switch: 4
 Rotor Type: S

Sampling Interval: 30 MIN Depth: 7/m. TAPE ID: 6357/07
 Pressure Sensor Range: 500 PSI Serial #: 50229-7
 Depth Max: 36.8 MAX Compass Serial #: 10025
 Conductivity Range: 24-44 MMHO Cell Serial #: 707
 HI Res Temperature Range: _____

Channel #	Reading1	Reading 2
1. Reference	<u>787</u>	
2. Temperature	<u>972</u>	
3. Conductivity	<u>253</u>	
4. Extemp/pressure	<u>69</u>	
5. Direction	<u>814</u>	
6. Speed	<u>15</u>	
Date: <u>Sept 13/08</u> Time: <u>1818 UTC</u>		

TIME IN WATER: _____ DATE: Mar 26 2008
 BAT VOLTAGE: 9.92 ON DEPLOYMENT
 CRUISE ID: 2008-10 DEPLOYED
 TECHNICIAN: LP + JLC

TIME OUT WATER: 1348 PDT DATE: Sept 12/08
 BAT VOLTAGE: 8.88 ON RECOVERY
 CRUISE ID: 2008-30 RECOVERED
 TECHNICIAN: CP

NOTES: Note time of last record is off by 90s.
trigger timer needs to be changed.

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcmg SERIAL #: 7893 PST/UTC, OTHER: UTC
 TAPE SIZE: 34 PROJECT: _____ I(mA) _____

Channel #	Reading1	Reading 2	Last Cal
1. Reference	<u>381</u>		
2. Temperature	<u>799</u>		
3. Conductivity	<u>267</u>		
4. Extemp/pressure	<u>47</u>		
5. Direction	<u>623</u>		
6. Speed	<u>14</u>		
Date: <u>March 26/08</u> Time: <u>2130 UTC</u>			

Rotor Counter Information:

Rev/Count: 4
 F.S.= _____ Cm/S
 Rotor Switch: 4
 Rotor Type: 5

Sampling Interval: 30 MIN Depth: 106m TAPE ID: 7893/10
 Pressure Sensor Range: 500 PSI Serial #: 51890-6
 Depth Max: 368 MAX Compass Serial #: 51890-6 0016291
 Conductivity Range: 24-49 MMHO Cell Serial #: 7792
 HI Res Temperature Range: _____

Channel #	Reading1	Reading 2
1. Reference	<u>381</u>	
2. Temperature	<u>990</u>	
3. Conductivity	<u>267</u>	
4. Extemp/pressure	<u>47</u>	
5. Direction	<u>382</u>	
6. Speed	<u>15</u>	
Date: <u>Sept 13/08</u> Time: <u>1831 UTC</u>		

TIME IN WATER: _____ DATE: Mar. 26, 2008 TIME OUT WATER: 1348 PDT DATE: 2008-Sept 12
 BAT VOLTAGE: 9.91V ON DEPLOYMENT BAT VOLTAGE: 8.89 ON RECOVERY
 CRUISE ID: 2008-07 DEPLOYED CRUISE ID: 2008-50 RECOVERED
 TECHNICIAN: CP TECHNICIAN: CP

NOTES: _____

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: RCM4 SERIAL #: 6491 PST, UTC, OTHER: _____
 TAPE SIZE: 3" PROJECT: _____ I(mA) _____

Channel #	Reading1	Reading 2	Last Cal
1. Reference	<u>841</u>		
2. Temperature	<u>813</u>		
3. Conductivity	<u>257</u>		
4. Extemp/pressure	<u>1023</u>		
5. Direction	<u>328</u>		
6. Speed	<u>4</u>		
Date: <u>March 26/08</u> Time: <u>2130 UTC</u>			

Rotor Counter Information:

Rev/Count: 4
 F.S.= _____ Cm/S
 Rotor Switch: 4
 Rotor Type: PW

Sampling Interval: 30 MIN Depth: 151 m TAPE ID: 6491/24
 Pressure Sensor Range: _____ PSI Serial #: _____
 Depth Max: 2000 MAX Compass Serial #: 15671
 Conductivity Range: 24-44 MMHO Cell Serial #: 7341
 HI Res Temperature Range: 7-12

Channel #	Reading1	Reading 2
1. Reference	<u>840</u>	
2. Temperature	<u>983</u>	
3. Conductivity	<u>256</u>	
4. Extemp/pressure	<u>1023</u>	
5. Direction	<u>317</u>	
6. Speed	<u>5</u>	
Date: <u>Sept 13/08</u> Time: <u>1809</u>		

TIME IN WATER: _____ DATE: Mar. 26, 2008
 BAT VOLTAGE: 9.98 ON DEPLOYMENT
 CRUISE ID: 2008-07 DEPLOYED
 TECHNICIAN: LP/DLO

TIME OUT WATER: 1348 PDT DATE: 2008, Sept 12
 BAT VOLTAGE: 8.79 ON RECOVERY
 CRUISE ID: 2008-50 RECOVERED
 TECHNICIAN: LP

NOTES: _____

