

DEPLOYMENT RECORD

Project Name: Aquaculture 4 Start Date: Oct. 2006 End Date: Apr. 2006
 Mooring Name: Pen Pass -01 Station Name: Pen Pass

Geog. Desc.: Pennhwyse Passage Tide: +4.5m Sullivan Bay
 Latitude: 50°50.214' Longitude: 126°34.763
 Water Depth: 153m datum Ice Thickness:
 Magnetic decl: Time Zone: PDT Anchor Type: 3wheels 2270 lbs
 Date: Oct. 18, 2006 Time Anchor Dropped: 1319 PDT Date:
 Remarks:

RECOVERY RECORD

Date: Mar. 29, 2007 Time Anchor Released: 0749 PDT
 Remarks:

INSTRUMENTS (Start at TOP)

Type	Serial #	Depth	Time in	Time Out	Notes
WH600	1820	32m	1259	PDT	
KCM4	6471	48m	1300	PDT	
KCM4	8819	98m	1302		
KCM4	7498	148m			

Release	Serial	R Code	Arm Code	Freq	On/Off	B0	B1	Aux Codes
AR191	14U	B530	B529	FR1	TT301	#81		
Pinger 1	Type	Serial	Pinger 2	Type	Serial	Battery Volt		
OML	1/4x27	8714001C	Helle	1/4x27	8822	16.8	19.3	

FLOTATION

Type	Serial #	Size	Colour
SS30	3008	30"	yellow
OSD	8"x21"x2	foam	yellow
ADCP	collars	28"	"
SS28	2471	28"	"
SS28	M500	"	"
SS28	2570	"	"

Type	Serial #	Size	Colour

Data Entry by:

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcm4 SERIAL #: 8819 (PST) UTC, OTHER: _____
 TAPE SIZE: 3/4" PROJECT: Aquaculture I(mA) _____

Channel #	Reading 1	Reading 2	Last Cal	Reading 1	Reading 2
1. Reference	498	498	498	498	498
2. Temperature	954	957	995	997	997
3. Conductivity	861	861	261	261	261
4. Extemp/pressure	53	53	2	53	53
5. Direction	883	881	888	888	888
6. Speed	0	0	12	0	0
Date: <u>Oct 10/06</u> Time: _____			<u>1030PST</u>	<u>1100PST</u>	

observed
cycled
T.J.
1000 PST
17/10/2006

Rotor Counter Information:

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

Sampling Interval: 30 MIN Depth: 98m TAPE ID: 8819/10
 Pressure Sensor Range: 1000 PSI Serial #: 52260-9
 Depth Max: _____ MAX Compass Serial #: 15670
 Conductivity Range: 24-44 MMHO Cell Serial #: 1643
 HI Res Temperature Range: _____

no tape id#

temp id.

8819/2006-33

Channel #	Reading 1	Reading 2
1. Reference	498	497
2. Temperature	954	586
3. Conductivity	861	0
4. Extemp/pressure	53	55
5. Direction	883	958
6. Speed	0	2.2
Date: <u>March 29/07</u> Time: _____		<u>0800PST</u>

TIME IN WATER: 1302 PDI DATE: Oct. 18, 2006
 BAT VOLTAGE: 9.09 ON DEPLOYMENT
 CRUISE ID: 2006-33 DEPLOYED
 TECHNICIAN: _____

TIME OUT WATER: _____ DATE: March 29/07
 BAT VOLTAGE: 8.74 ON RECOVERY
 CRUISE ID: 2007-11 RECOVERED
 TECHNICIAN: LP

NOTES:

Good tape

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: FCM4 SERIAL #: 7498 (PST, UTC, OTHER:)
 TAPE SIZE: 3 1/2" PROJECT: Aquaculture I(mA)

Channel #	Reading 1	Reading 2	Last Cal
1. Reference	546		
2. Temperature	1023	observed	observed
3. Conductivity	253	cycled	cycled
4. Extemp/pressure	1023	T.D.	T.D.
5. Direction	610		
6. Speed	8		
Date: <u>Oct 12/06</u> Time: <u>1430 PST</u>	<u>0800 PST</u>	<u>0830 PST</u>	

17/10/2006. 17/10/2006
 no tape id #
 no reader

Rotor Counter Information:

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

Sampling Interval: 30 MIN Depth: 148 m TAPE ID: 7498/20
 Pressure Sensor Range: PSI Serial #:
 Depth Max: 2000 MAX Compass Serial #: 8210
 Conductivity Range: 24-94 MMHO Cell Serial #: 6448
 HI Res Temperature Range: 4-12

Channel #	Reading 1	Reading 2
1. Reference	546	
2. Temperature	639	
3. Conductivity	0	
4. Extemp/pressure	1535C	
5. Direction	895	
6. Speed	5	
Date: <u>March 29/07</u> Time: <u>0830 PST</u>		

temp. + alternate id# 7498/2006-33.
 No ↑ CP

TIME IN WATER: 1302 PST DATE: Oct 18 2006
 BAT VOLTAGE: 9.81 ON DEPLOYMENT
 CRUISE ID: 2006-33 DEPLOYED
 TECHNICIAN: LP

TIME OUT WATER: DATE: March 29/07
 BAT VOLTAGE: 8.82 ON RECOVERY
 CRUISE ID: 2007-11 RECOVERED
 TECHNICIAN: LP

NOTES: 4 x CITHIUM

- very loose battery terminals taped secure.
 good tape data

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcm4 SERIAL #: 5471 PST, UTC, OTHER: _____
 TAPE SIZE: 384" PROJECT: Aquaculture I(mA) _____

Channel #	Reading 1	Reading 2	Last Cal
1. Reference	705		
2. Temperature	988	observed cycled T.J.	
3. Conductivity	263		
4. Extemp/pressure	43		
5. Direction	842		
6. Speed	0		
Date: <u>Oct 10/06</u> Time: <u>1300</u>	<u>1230 PST</u>	<u>1300 PST</u>	

Rotor Counter Information:

Rev/Count: 4
 F.S.= _____ Cm/S
 Rotor Switch: 9
 Rotor Type: 5

17/10/2006 17/10/2006

no tape id #

Sampling Interval: 30 MIN
 Pressure Sensore Range: 200 PSI
 Depth Max: 138 MAX
 Conductivity Range: 24-44 MMHO
 HI Res Temperature Range: _____

Depth: 48 m TAPE ID: 5471/20
 Serial #: 50967-2
 Compass Serial #: 8370
 Cell Serial #: 8370 ← This # is written on the cell.

temp id
 5471/
 2006-33

Channel #	Reading 1	Reading 2
1. Reference	704	
2. Temperature	600	
3. Conductivity	0	
4. Extemp/pressure	45	
5. Direction	926	
6. Speed	13	
Date: <u>March 29/07</u> Time: <u>0831 PST</u>		

✓ TIME IN WATER: 1300 PST DATE: Oct. 18, 2006
 BAT VOLTAGE: 9.97 ON DEPLOYMENT
 CRUISE ID: 2006-33 DEPLOYED
 TECHNICIAN: LP

TIME OUT WATER: _____ DATE: March 29/07
 BAT VOLTAGE: 8.72 ON RECOVERY
 CRUISE ID: 2007-11 RECOVERED
 TECHNICIAN: LP

NOTES: 4x L-ETHRUM

ADCP Deployment Sheet

Instrument:

Serial Number: 1820

Pressure Sensor: _____

Model: WH 600

Depth Rating: _____

Batteries: 2 BATTERY PACKS IN EXTERNAL CASE
1 IN INSTRUMENT

Parameters:

Number of Pings (WP): 85

Bin Size (WS): 50

Ensemble Interval (TE): 5 min

Number of Bins (WN): 107

Time between Pings (TP): AUTO

Mode 1 Bandwidth (WB): 1 Broadband

Profiling Mode (WM): 1

Pre-deployment tests: _____

Time Zone: _____

Compass Calibration: YES

Start (TF): 10 OCTOBER 2006, 08:00:00

Deployment:

Station: PEN-01

Cruise Number: 2006-33

Latitude: 50° 50.217' N

Water Depth: 157m 153m datum

Longitude: 126° 34.763 W

Instrument Depth: 40m 38m

Time and Date in Water: 2019, 18 OCTOBER 2006

Comments:

DEPLOYED AFTER CONFIRMING PINGING
(SFM). SET-UP BY LP + DS.

NOTE: SOME FILLING OUT NEEDED TO BE DONE BY LP

PlanADCP (Advanced) : [PEN01]

BackToSC Settings View Help

Basic Expert

Environmental Setup:

Transducer Depth: m

Salinity: ppt

Magnetic Variation: °

Temperature: °C

Profiling Setup:

Pings Per Ensemble:

Number of Depth Cells:

Depth Cell Size: m

Mode:

Deployment Consequences:

First Cell Range: m

Last Cell Range: m

Max Range: m

Standard Deviation: cm/s

Ensemble Size: bytes

Storage Required: MB

Power Usage: Wh

Battery Pack Usage:

Deployment Timing Setup:

Duration: days

Ensemble Interval:

Ping Int. (Auto): ☒

☐ Ping Immediately After Deployment

First Ping Date and Time:

Notes:

Penphrase Passage - 01: 2006-33

Workhorse Sentinel: 600 kHz/ Long Range/ 3 Battery Packs/ Memory: 144 MB

NUM

PlanADCP (Basic) : [PEN01]

BackToSC Settings View Help

ADVANCED settings changed.

Advanced

Cell Size 0.50m

First Cell 1.58m

Max Range 54.48m

Last Cell 54.58m

Proposed Setup:

Deployment Duration: days

Ensemble Interval:

Salinity: ppt

Temperature: °C

Water Pings:

Number of Depth Cells:

Depth Cell Size: m

Deployment Consequences:

First Cell Range: m

Last Cell Range: m

Max Range: m

Standard Deviation: cm/s

Ensemble Size: bytes

Storage Required: MB

Power Usage: Wh

Battery Pack Usage:

Notes:

Penphrase Passage - 01: 2006-33

Workhorse Sentinel: 600 kHz/ Long Range/ 3 Battery Packs/ Memory: 144 MB

NUM

PlanADCP (Expert) : [PEN01]

BackToSC Settings View Help

Expert Setup:

Blank: m

Ambiguity Velocity: m/s

Generated Commands:

```

CR1
CF11101
EA0
EB0
ED400
ES31
EX11111
EZ1111111
WA50
WB1
WD111100000
WF88
WN107
WP85
WS50
WV175
TE00:05:00.00
TP00:03.52
TF06/10/10 08:00:00
CK
CS

```

Deployment Consequences:

First Cell Range: m

Last Cell Range: m

Max Range: m

Standard Deviation: cm/s

Ensemble Size: bytes

Storage Required: MB

Power Usage: Wh

Battery Pack Usage:

Workhorse Sentinel: 600 kHz/ Long Range/ 3 Battery Packs/ Memory: 144 MB

NUM

WinSC : [PEN01]

File Edit Hardware View ADCP Window Help

No files found.

Bytes used on device #0 = 0

Volume serial number for device #1 is 1356-16e9

No files found.

Bytes used on device #1 = 0

Total capacity = 144041984 bytes

Total bytes used = 0 bytes in 0 files

Total bytes free = 144041984 bytes

>

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.28

RD Instruments (c) 1996-2008

All Rights Reserved.

>CR1

[Parameters set to FACTORY defaults]

>CF11101

>EA0

>EB0

>ED400

>ES31

>EX11111

>EZ1111111

>WA50

>WB1

>WD111100000

>WF88

>WN107

>WP85

>WS50

>WV175

>TE00:05:00.00

>TP00:03.52

>TF06/10/10 08:00:00

>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 Cntl (EnaCyc/PngCyc/Sinry/Set/Rec)

>CF11101

>RD PEN01

>cs

Ready

WinSC

As a precaution, you should disconnect the ADCP from your PC before you continue.

OK

;Penphrase Passage = 01: 2006-33

CR1

CF111101

EA0

EB0

ED400

ES31

EX11111

EZ1111111

WA50

WB1

WD111100000

WF88

WN107

WP85

WS50

WV175

TE00:05:00.00

TP00:03.52

TF06/10/10 08:00:00

CK

CS

;

;Instrument = Workhorse Sentinel

;Frequency = 614400

;Water Profile = YES

;Bottom Track = NO

;High Res. Modes = NO

;High Rate Pinging = NO

;Shallow Bottom Mode= NO

;Wave Gauge = NO

;Lowered ADCP = NO

;Beam angle = 20

;Temperature = 7.00

;Deployment hours = 4104.00

;Battery packs = 3

;Automatic TP = YES

;Memory size [MB] = 144

;Saved Screen = 2

;

;Consequences generated by PlanADCP version 2.02:

;First cell range = 1.58 m

;Last cell range = 54.58 m

;Max range = 54.48 m

;Standard deviation = 2.95 cm/s

;Ensemble size = 2288 bytes

;Storage required = 107.46 MB (112679424 bytes)

;Power usage = 1348.31 Wh

;Battery usage = 3.0

;

; WARNINGS AND CAUTIONS:

; Advanced settings has been changed.