

DEPLOYMENT RECORD

Project Name: Aquaculture Start Date: Oct. 2005 End Date: May 2006
 Mooring Name: TCS-02 Station Name: TCS

Geog. Desc.: Tribune Channel South Tide: not accounted
 Latitude: 56° 43.170 Longitude: 126° 11.992
 Water Depth: 210 ? see notes Ice Thickness: —
 Magnetic decl: — Time Zone: PDT Anchor Type: 3 wheels 2280 lbs
 Date: Oct. 7, 2005 Time Anchor Dropped: 1653 PDT Date: —
 Remarks:

RECOVERY RECORD

Date: June 6, 2006 Time Anchor Released: 1452 PDT
 Remarks:

INSTRUMENTS (Start at TOP)

Type	Serial #	Depth	Time in	Time Out	Notes
WH 300	5588	48m	1639	PDT.	Mooring deployed too deep due to drop line length error and a drop in bottom just as we launched. See Notes
Rcm4	7915	68m	1640		
Rcm4	4955	103m	1642		
Rcm4	4240	148m	1644		
Rcm4	2754	193m	1646		

Argos # 7066

Release	Serial	R Code	Arm Code	Freq	On/Off	B0	B1	Aux Codes
1090	147	BDEH	CDFG	8kHz	—			
Pinger 1	Type	Serial	Pinger 2	Type	Serial	Battery Volt		
Helle	1/4x27	9077	Helle	1/4x27	9398	17.0	19.5	

V100 V100

FLOTATION

Type	Serial #	Size	Colour
SS30	3016	30"	yellow.
SS30	549	30"	"
SS30	3008	"	"
SS28	M1488	28"	"
SS28	2570	"	"

Type	Serial #	Size	Colour

Data Entry by:

PlanADCP (Basic) : [TCS02]

BackToSC Settings View Help

Cell Size 0.50m First Cell 2.71m Max Range 86.30m Last Cell 57.21m

Proposed Setup:

Deployment Duration: 240 days

Ensemble Interval: 00:15:00

Salinity: 30 ppt

Temperature: 8 °C

Water Pings: 100

Number of Depth Cells: 110

Depth Cell Size: 0.5 m

Deployment Consequences

First Cell Range: 2.71 m

Last Cell Range: 57.21 m

Max Range: 86.30 m

Standard Deviation: 2.81 cm/s

Ensemble Size: 2348 bytes

Storage Required: 51.59 MB

Power Usage: 835.90 Wh

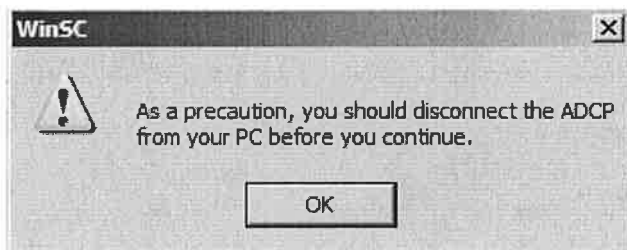
Battery Pack Usage: 1.9

Notes

TCS02 (Tribune Channel)
WHS300-I, sn 5588
ADCP at ~40m depth
High Resolution Mode

Workhorse Sentinel: 300 kHz/ High Res./ 2 Battery Packs/ Memory: 56 MB

NUM



[BR

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.21

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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 = 117 ----- Number of depth cells (1-128)

WP = 00135 ----- 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 = 00:04.44 ----- Time per Ping (min:sec.sec/100)
 TS = 05/10/07,21:50:35 --- Time Set (yr/mon/day, hour:min:sec)

 EA = +00000 ----- Heading Alignment (1/100 deg)
 EB = +00000 ----- Heading Bias (1/100 deg)
 ED = 00400 ----- Transducer Depth (0 - 65535 dm)
 ES = 30 ----- 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 = 05/10/07,21:50:40 --- Time Set (yr/mon/day,hour:min:sec)

>PS0

Instrument S/N: 5588

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 TEMPERATURE

Temp Sens Offset: -0.30 degrees C

CPU Firmware: 16.21 [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:

2A 00 00 03 AC E5 90 09 DSP727-2001-04G

F8 00 00 03 A4 82 4D 09 REC727-1000-04E

EB 00 00 03 A4 9D 4D 09 CPU727-2000-00J

80 00 00 03 A4 50 63 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.....***FAIL***
>PC2

Press any key to quit sensor display ...

Heading Pitch Roll Up/Down Attitude Temp Ambient Temp PRESSURE
95.53ø 19.65ø -23.68ø Up 17.54øC 17.18øC 0.0 kPa
>RS
RS = 054,002 ----- 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...
36 39 39 38

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

>CZ

Powering Down

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.21
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>RR

Recorder Directory:

Volume serial number for device #0 is 065b-10ef

TSC01000 001 14034944 10-07-05 7:39:54p r a [2]

Bytes used on device #0 = 14034944

Volume serial number for device #1 is 193e-1400

TSC01000 000 41760768 08-29-05 3:43:58p r a [2]

Bytes used on device #1 = 41760768

Total capacity = 57735168 bytes

Total bytes used = 55795712 bytes in 2 files

Total bytes free = 1937408 bytes

>CZ

Powering Down

[BREAK Wakeup A]

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>RE ErAsE erasing...

Recorder erased.

>CZ

Powering Down

[BREAK Wakeup A]

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>RR

Recorder Directory:

Volume serial number for device #0 is 065b-10ef

No files found.

Bytes used on device #0 = 0

Volume serial number for device #1 is 193e-1400

No files found.

Bytes used on device #1 = 0

Total capacity = 57735168 bytes

Total bytes used = 0 bytes in 0 files

Total bytes free = 57735168 bytes

>CZ

Powering Down

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.21

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>RR

Recorder Directory:

Volume serial number for device #0 is 065b-10ef

No files found.

Bytes used on device #0 = 0

Volume serial number for device #1 is 193e-1400

No files found.

Bytes used on device #1 = 0

Total capacity = 57735168 bytes

Total bytes used = 0 bytes in 0 files

Total bytes free = 57735168 bytes

>CZ

Powering Down

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: 7915 SERIAL #: RCM4 PST, UTC, OTHER: UTC
 TAPE SIZE: 3 1/4 PROJECT: 2005-23 I(mA) 19

Channel #	Reading 1	Reading 2	Last Cal
1. Reference	811		
2. Temperature	940		
3. Conductivity	0		
4. Extemp/pressure	51		
5. Direction	970		
6. Speed	5		
Date <u>Oct 7 2005</u> Time <u>0200</u>			

Rotor Counter Information:

Rev/Count: 8
 F.S.= 95 Cm/S
 Rotor Switch: 5
 Rotor Type: 5

Sampling Interval: 60 MIN
 Pressure Sensor Range: 0-200 PSI
 Depth Max: MAX
 Conductivity Range: 24-44 MMHO
 HI Res Temperature Range:

Depth: 68m TAPE ID: 7915/110
 Serial #: 52315-4
 Compass Serial #: 12788
 Cell Serial #: 8068

Channel #	Reading 1	Reading 2
1. Reference	811	
2. Temperature	1006	
3. Conductivity	0	
4. Extemp/pressure	51	
5. Direction	999	
6. Speed	2	
Date <u>Dec 11/06</u> Time <u>0058</u>		

TIME IN WATER: 1640 PDT DATE: Oct. 7, 2005
 BAT VOLTAGE: 9.92 ON DEPLOYMENT
 CRUISE ID: 2005-23 DEPLOYED
 TECHNICIAN: KR

TIME OUT WATER: DATE: 06/06/06
 BAT VOLTAGE: 9.04 ON RECOVERY
 CRUISE ID: 2006-10 RECOVERED
 TECHNICIAN: LP

NOTES: _____

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: RCM4 SERIAL #: 4955 PST: UTC OTHER: _____
 TAPE SIZE: 3/4 PROJECT: _____ I(mA) 19mA

Channel #	Reading 1	Reading 2	Last Cal
1. Reference	45		
2. Temperature	956		
3. Conductivity	255		
4. Extending Pressure	46		
5. Direction	856		
6. Speed	6		
Date <u>Oct 7/05</u> Time <u>2100</u>			

UTC

Rotor Counter Information:

Rev/Count: 8
 F.S. = 0.5-95 Cm/S
 Rotor Switch: 5
 Rotor Type: 5

ALL OTHER INSTRUMENTS SET TO 60 MIN

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

Depth: 103m TAPE ID: 4955/26
 Serial #: 50968-15
 Compass Serial #: 19596
 Cell Serial #: 4838

OK PMS

Channel #	Reading 1	Reading 2
1. Reference	45	
2. Temperature	1005	
3. Conductivity	255	
4. Extending Pressure	46	
5. Direction	937	
6. Speed	3	
Date <u>Dec 10/06</u> Time <u>2359</u>		

UTC

TIME IN WATER: 1642 PDI DATE: Oct 7/05
 BAT VOLTAGE: 9.73 ON DEPLOYMENT
 CRUISE ID: 2005-23 DEPLOYED
 TECHNICIAN: LP

TIME OUT WATER: _____ DATE: 06/06/06
 BAT VOLTAGE: 9.11 ON RECOVERY
 CRUISE ID: 2006-10 RECOVERED
 TECHNICIAN: LP

NOTES: 4x Lithium

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: Rcm4

SERIAL #: 4240

PST, UTC, OTHER:

TAPE SIZE: 3 1/4"

PROJECT:

I(mA) 19mA

Channel #	Reading 1	Reading 2	Last Cal
1 Reference	<u>464</u>		
2 Temperature	<u>98.0</u>		
3 Conductivity	<u>252</u>		
4 Extemp/pressure	<u>52</u>		
5 Direction	<u>744</u>		
6 Speed	<u>1</u>		
Date <u>04/7/05</u> Time <u>0300</u>			

UTC

Rotor Counter Information:

Rev/Count: 8
 F.S.= 0.5-95 Cm/S
 Rotor Switch: 5
 Rotor Type: 5

Sampling Interval: 60 MIN
 Pressure Sensor Range: 500 PSI
 Depth Max: 368 MAX
 Conductivity Range: 24-44 MMHO
 HI Res Temperature Range:

Depth: 148m
 Serial #: 52075-10
 Compass Serial #: 6328
 Cell Serial #: 2493

TAPE ID: 4240/10

Channel #	Reading 1	Reading 2
1 Reference	<u>464</u>	
2 Temperature	<u>100.1</u>	
3 Conductivity	<u>259</u>	
4 Extemp/pressure	<u>52</u>	
5 Direction	<u>1001</u>	
6 Speed	<u>11</u>	
Date <u>June 10/06</u> Time <u> </u>		

TIME IN WATER: 1644 PDI DATE: Oct. 7, 2005
 BAT VOLTAGE: 7.93 ON DEPLOYMENT
 CRUISE ID: 2005-23 DEPLOYED
 TECHNICIAN: CP

TIME OUT WATER: 2358 UTC DATE: 06/06/06
 BAT VOLTAGE: 6.96 ON RECOVERY
 CRUISE ID: 2006-10 RECOVERED
 TECHNICIAN: LF

NOTES: _____

IOS OCEAN PHYSICS

AANDERA CURRENT METER DEPLOYMENT AND RECOVERY RECORD

INSTRUMENT: RCM4 SERIAL #: 2754 PST, UTC, OTHER: UTC
 TAPE SIZE: 3 1/4 PROJECT: 2005-23 I(mA) 19

Channel #	Reading 1	Reading 2	Last Cal
1 Reference	513		
2 Temperature	967		
3 Conductivity	253		
4 Extemp/pressure	1023		
5 Direction	786		
6 Speed	5		
Date <u>Oct 7 2005</u> Time <u>0300</u>			

Rotor Counter Information:

Rev/Count: 8
 F.S.= 95 Cm/S
 Rotor Switch: 5
 Rotor Type: 5

Sampling Interval: 60 MIN
 Pressure Sensor Range: — PSI
 Depth Max: MAX
 Conductivity Range: 24-44 MMHO
 HI Res Temperature Range: 4-12

Depth: 193m TAPE ID: 2754/33
 Serial #: —
 Compass Serial #: 4037
 Cell Serial #: 4114 *4110? P.m.s*

Channel #	Reading 1	Reading 2
1 Reference	513	
2 Temperature	999	
3 Conductivity	253	
4 Extemp/pressure	1023	
5 Direction	854	
6 Speed	3	
Date <u>06/06/06</u> Time <u>2357</u> UTC		

TIME IN WATER: 1646 PDT DATE: Oct. 7, 2005
 BAT VOLTAGE: 9.88 ON DEPLOYMENT
 CRUISE ID: 2005-23 DEPLOYED
 TECHNICIAN: KR

TIME OUT WATER: — DATE: 06/06/06
 BAT VOLTAGE: 9.05 ON RECOVERY
 CRUISE ID: 2006-10 RECOVERED
 TECHNICIAN: LP

NOTES: _____

