

Mooring Deployment Record

Project Name:	Strait of Georgia - Ambient Monitoring Program		
Project Area:	Strait of Georgia		
Mooring Name:	SOGN-G	Station Name	SOGN
Latitude:	49° 50.128' N	Longitude:	124° 52.121' W
Depth:	331 m	Tide:	1.43 m
Mag. Declination:		Time Zone:	UTC
Date:	April 4, 2010	Time:	2354
Remarks:	Cruise 2010-16		

Recovery

Date:	Time:
Remarks:	

Instruments

Type	Serial #	Depth	Time In:	Time Out	Notes
Bathy-Trip	31533	50			
	86090B	50			
RCM11	39	52			
YS1 Sonde	02AC92A15	150			
WH600	3694	285			
RBR XR420	17085	325			
SBE37	4447	325			
SBE19+	6026	51.6			

Releases

Release	Serial #	Range:	Release	Freq	Other
AR19u	16u	B533	B534		

Pingers

Pinger	Serial #	Voltage	Freq
Helix 27Hz	7492	21.4	
Helix 27Hz	7498	21.4	

Flotation

Type	Serial #	Size	Colour	Type	Serial #	Size	Colour
SB30	3007	30"	Y				
SB30	3012	30"	Y				
SS28	208	28	Y				
SS28	M232	28					

RCM 11 Deployment Sheet

Instrument Serial: 39
DSU ID: 15059
File ID: 39-SOCN-G

#ofChannels: 6 Recording Interval: 30
Project: SOCN-G

Pressure Sensor:

Type: VR22
Range: 0-60 MPA (C)
Serial#: 730

Conductivity Cell:

Type: N/A
Range: N/A
Serial#: N/A

Temperature Sensor:

Type: 3621
Range: Low
Serial#:

Doppler Current Sensor:

Type: 3820
Serial#: 32

Max Depth:

First Record:

Channel 1	<u>652</u>
Channel 2	<u>0</u>
Channel 3	<u>0</u>
Channel 4	<u>995</u>
Channel 5	<u>0</u>
Channel 6	<u>32</u>
Channel 7	<u></u>
Channel 8	<u></u>

Date: April 4/2010 Time: 19:30 UTC

voltage = 9.65 V
Time in =
Date in = April 4, 2010

Last Record:

Channel 1	<u></u>
Channel 2	<u></u>
Channel 3	<u></u>
Channel 4	<u></u>
Channel 5	<u></u>
Channel 6	<u></u>
Channel 7	<u></u>
Channel 8	<u></u>

Date: Time:

NOTES: will need a new cage on next deployment.
There is heavy pitting at bp of cage.

45462

RCM 11 Deployment Sheet

Instrument Serial: 39
 DSU ID: _____
 File ID: _____

#ofChannels: 6 Recording Interval: 30
 Project: _____

Pressure Sensor:

Type: 3815E
 Range: Low
 Serial#: 730

Conductivity Cell:

Type: _____
 Range: _____
 Serial#: _____

Temperature Sensor:

Type: _____
 Range: Low
 Serial#: _____

Doppler Current Sensor:

Type: _____
 Serial#: _____

Max Depth: _____

Burst mode

First Record:

Channel 1	
Channel 2	
Channel 3	
Channel 4	
Channel 5	
Channel 6	
Channel 7	
Channel 8	

Date: _____ Time: _____

Last Record:

Channel 1	652
Channel 2	97
Channel 3	858
Channel 4	626
Channel 5	0
Channel 6	32
Channel 7	
Channel 8	

Date: April 4/2010 Time: 407 UTC

#2 I found it by scrolling up on hysterm.

#1 I closed my terminal before program I wrote them down. DOH. LP.

← Note: time is correct despite

NOTES: Heavy corrosion near O-ring seal

RDI 75/150/300/600 kHz Long Ranger/Workhorse

Project: AMP
Serial Number: 3694
Cruise ID: 2010-16
Platform: Vector
Station: SOAN-G
Deployment Date: April, 2010
Recovery Date: August, 2010
Position: _____
Depth: _____

Parameters:

Ensemble Interval: _____
Bin Size: 2 m
Number of Pings: 85
Number of Bins: 24
Ambiguity Velocity: .32 cm/s
Water profiling Mode: WBO
Time: UTC
Start Time: 2300 UTC April 4/2010
Power: 2 external packs
Battery Type: _____

NOTE: Time of first ping is actually 2300UTC and not what is pictured. I forgot to re-take the picture after I updated the time. LP

PlanADCP (Advanced): Workhorse Sentinel 600 kHz [SOGNF]

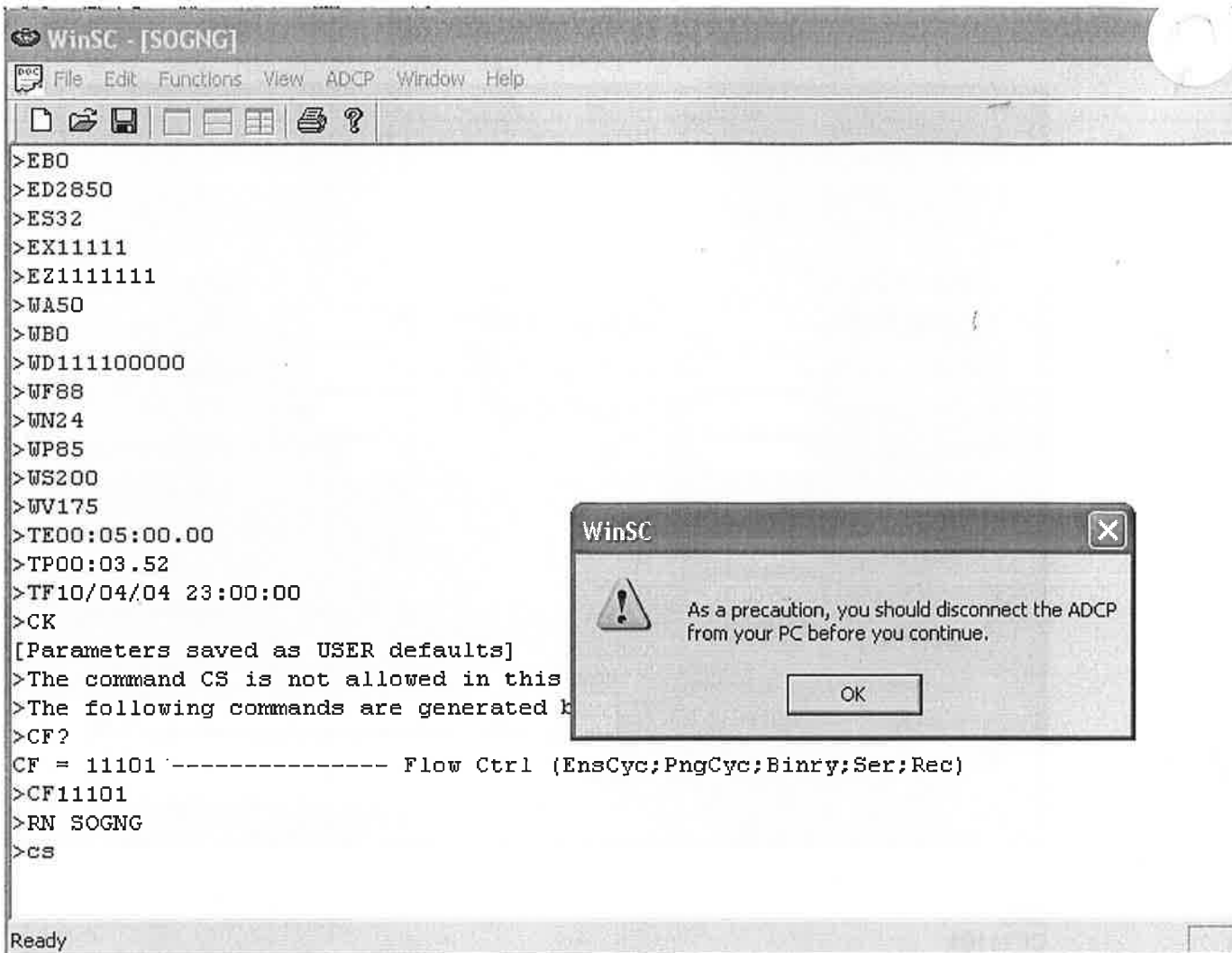
BackTo5C Settings View Help

Basic Expert

Environmental Setup: Transducer Depth: 285 m Salinity: 32 ppt Magnetic Variation: 0 ° Temperature: 7 °C	Profiling Setup: Pings Per Ensemble: 85 Number of Depth Cells: 24 Depth Cell Size: 2 m Mode: 1	Deployment Consequences: First Cell Range: 3.07 m Last Cell Range: 49.07 m Max Range: 49.68 m Standard Deviation: 0.32 cm/s Ensemble Size: 628 bytes Storage Required: 27.13 MB Power Usage: 878.13 Wh Battery Pack Usage: 2.0
--	---	---

Deployment Timing Setup: Duration: 150 days Ensemble Interval: 00:05:00.00 Ping Int. (✓ Auto): 00:00:03.52 ☐ Ping Immediately After Deployment First Ping Date and Time: 04-Apr-2010 10:00:00 PM	Notes SOGN-G s/n 3694, 600kHz with external housing (and case from 2275) CR1
--	--

CR1
 CF11101
 EA0
 EB0
 ED2850
 ES32
 EX11111
 EZ1111111
 WA50
 WB0
 WD111100000
 WF88
 WN24
 WP85
 WS200
 WV175
 TE00:05:00.00
 TP00:03.52
 TF10/04/04 23:00:00
 CK
 CS



PlanADCP (Expert): Workhorse Sentinel 600 kHz [Dpl1]

BackToSC Settings View Help

Basic Advanced

Generated Commands (View Only)

CF11101
EA0
EB0
ED0
ES35
EX11111
EZ1111111
WB0
WD111100000
WF88
WN24
WP150
WS200
WV170
TE00:20:00.00
TP00:08.00
TF09/04/01 21:00:00
CK
CS

Deployment Consequences

First Cell Range: 2.98 m
Last Cell Range: 48.98 m
Max Range: 46.49 m
Standard Deviation: 0.25 cm/s
Ensemble Size: 628 bytes
Storage Required: 5.43 MB
Power Usage: 307.83 Wh
Battery Pack Usage: 0.7

CR1
CF11101
EA0
EB0
ED0
ES35
EX11111
EZ1111111
WB0
WD111100000
WF88
WN24
WP150
WS200
WV170
TE00:20:00.00
TP00:08.00
TF09/04/01 21:00:00
CK
CS

WinSC

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

OK

>>>>> Function starting 04/01/09 20:28:07 >>>>>

[BREAK Wakeup A]

WorkHorse Broadband ADCP Version 16.21

RD Instruments (c) 1996-2002

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>TS090401202809

>CZ

Powering Down

>>>>> Function starting 04/01/09 20:28:15 >>>>>

[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 = 0088 ----- Blank After Transmit (cm)

WN = 037 ----- Number of depth cells (1-128)

WP = 00050 ----- Pings per Ensemble (0-16384)

WS = 0150 ----- 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 = 00:12.00 ----- Time per Ping (min:sec.sec/100)

TS = 09/04/01,20:28:16 --- Time Set (yr/mon/day,hour:min:sec)

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

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

ED = 02750 ----- 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)

Press any key to continue

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

SB = 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

RY ----- Upload Recorder Files to Host

>TS?

TS = 09/04/01,20:28:19 --- Time Set (yr/mon/day,hour:min:sec)

>PS0

Instrument S/N: 3694

Frequency: 614400 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: -0.28 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:

C0 00 00 02 FB B2 24 09 CPU727-2000-00H

77 00 00 02 FB 7B 6A 09 DSP727-2001-03G

A4 00 00 02 FB 8C 65 09 PIO727-3000-03C

F4 00 00 02 FB 8E 9D 09 REC727-1000-03E

>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.....FAIL

```

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
257.530 -25.290 27.230 Up 11.590C 11.760C 0.0 kPa
>RS
RS = 017,044 ----- 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...
49 49 50 43

```

```

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

```

>CZ

Powering Down

>>>>> Function starting 04/01/09 20:30:01 >>>>>

```

[BREAK Wakeup A]
WorkHorse Broadband ADCP Version 16.21
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```

```

>CR1
[Parameters set to FACTORY defaults]
>CF11101
>EA0
>EB0
>ED0

```

>ES35
>EX11111
>EZ1111111
>WB0
>WD111100000
>WF88
>WN24
>WP150
>WS200
>WV170
>TE00:20:00.00
>TP00:08.00
>TF09/04/01 21:00:00
>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 SoGND

>cs

□SBE 37-SM

S>ds

SBE37-SM V 2.6b SERIAL NO. 4447 06 Aug 2010 16:39:29

logging data

sample interval = 600 seconds

samplenumbers = 17824, free = 172826

do not transmit real-time data

output salinity with each sample

output sound velocity with each sample

store time with each sample

number of samples to average = 4

serial sync mode disabled

wait time after serial sync sampling = 30 seconds

internal pump not installed

temperature = 19.29 deg C

S>

ds

SBE37-SM V 2.6b SERIAL NO. 4447 06 Aug 2010 16:40:04

logging data

sample interval = 600 seconds

samplenumbers = 17824, free = 172826

do not transmit real-time data

output salinity with each sample

output sound velocity with each sample

store time with each sample

number of samples to average = 4

serial sync mode disabled

wait time after serial sync sampling = 30 seconds

internal pump not installed

temperature = 19.30 deg C

S>

stoplogging

S>

ds

SBE37-SM V 2.6b SERIAL NO. 4447 06 Aug 2010 16:40:56

not logging: received stop command

sample interval = 600 seconds

samplenumbers = 17824, free = 172826

do not transmit real-time data

output salinity with each sample

output sound velocity with each sample

store time with each sample

number of samples to average = 4

serial sync mode disabled

wait time after serial sync sampling = 30 seconds

internal pump not installed

temperature = 19.12 deg C

S>dd0,17826

start time = 04 Apr 2010 22:00:01

sample interval = 600 seconds

start sample number = 1

10.8787,	0.00553,	-0.236,	0.0372,	1450.774,	04 Apr 2010,	22:00:01
10.0029,	0.00484,	-0.218,	0.0333,	1447.330,	04 Apr 2010,	22:10:01
10.0169,	0.00506,	-0.218,	0.0347,	1447.387,	04 Apr 2010,	22:20:01
10.4910,	0.00546,	-0.200,	0.0370,	1449.261,	04 Apr 2010,	22:30:01
10.3475,	0.00539,	-0.218,	0.0366,	1448.696,	04 Apr 2010,	22:40:01
10.2224,	0.00508,	-0.200,	0.0347,	1448.201,	04 Apr 2010,	22:50:01
10.0895,	0.00516,	-0.218,	0.0353,	1447.676,	04 Apr 2010,	23:00:01
10.4740,	0.00546,	-0.218,	0.0370,	1449.194,	04 Apr 2010,	23:10:01

10.6217,	0.00556,	-0.218,	0.0375,	1449.773,	04 Apr 2010,	23:20:01
8.3391,	2.80171,	-0.254,	26.0946,	1472.764,	04 Apr 2010,	23:30:01
8.3242,	1.12975,	-0.218,	9.7087,	1452.577,	04 Apr 2010,	23:40:01
8.3002,	3.05947,	0.190,	28.7864,	1475.936,	04 Apr 2010,	23:50:01
9.2563,	3.34860,	320.954,	30.8301,	1487.305,	05 Apr 2010,	00:00:00
9.2569,	3.34889,	321.060,	30.8325,	1487.312,	05 Apr 2010,	00:10:00

8.9916,	3.30601,	320.847,	30.6213,	1486.062,	06 Aug 2010,	14:50:00
8.9920,	3.30603,	320.794,	30.6212,	1486.063,	06 Aug 2010,	15:00:00
8.9922,	3.30607,	320.758,	30.6214,	1486.063,	06 Aug 2010,	15:10:00
17.5083,	3.54705,	2.535,	26.5818,	1504.807,	06 Aug 2010,	15:20:00
17.4592,	3.55518,	2.571,	26.6815,	1504.772,	06 Aug 2010,	15:30:00
17.6130,	3.56200,	2.606,	26.6374,	1505.189,	06 Aug 2010,	15:40:00
17.6494,	3.56206,	2.500,	26.6142,	1505.271,	06 Aug 2010,	15:50:00
17.4909,	3.55673,	2.553,	26.6736,	1504.859,	06 Aug 2010,	16:00:00
17.4150,	0.05105,	-0.129,	0.2916,	1474.485,	06 Aug 2010,	16:10:00
24.4086,	0.11726,	-0.183,	0.5892,	1495.770,	06 Aug 2010,	16:20:00
18.2495,	0.11753,	-0.129,	0.6784,	1477.651,	06 Aug 2010,	16:30:00
27.9091,	5.51692,	889.448,	34.0738,	1555.111		
28.7283,	5.51692,	889.448,	33.4933,	1556.316,	26 Mar 2023,	13:45:34

S>ds

SBE37-SM V 2.6b SERIAL NO. 4447 06 Aug 2010 17:34:34

not logging: received stop command

sample interval = 600 seconds

samplenumber = 17824, free = 172826

do not transmit real-time data

output salinity with each sample

output sound velocity with each sample

store time with each sample

number of samples to average = 4

serial sync mode disabled

wait time after serial sync sampling = 30 seconds

internal pump not installed

temperature = 20.05 deg C

S>qs

□