

Mooring Deployment Record

Project Name: SC1-C	
Project Area:	
Mooring Name:	Station Name
Latitude:	Longitude:
Depth:	Tide:
Mag. Declination:	Time Zone: UTC
Date: June 27, 2013	Time: 2117
Remarks:	

Recovery

Date: <u>June 27, 2013</u>	Time:
Remarks:	

Instruments

Type	Serial #	Depth	Time In:	Time Out	Notes
50 kHz ADP	1119				
150 kHz	1588				Special Rnts

Releases

Release	Serial #	Range:	Release	Freq	Other

Pingers

Pinger	Serial #	Voltage	Freq

Flotation

[illegible]

Sontek ADP 1119-sc1-c

NOTE: This instrument was programmed for calm1-C but it was switched last minute. It has been deployed @ sc1-C (lucius)

ADP Hardware Configuration [X]

System Parameters:

CPU Software Version #:	8	Board Revision:	F
DSP Software Version #:	5		

Hardware Parameters:

Serial No.:	M1119
System Frequency:	250kHz
Number of Beams:	3
Beam Geometry:	3_Beams
Slant Angle (deg):	25
Sensor Orientation	Up

Extensions:

Compass:	Yes
Recorder:	Yes
Pressure Sensor:	Yes
Temperature Sensor:	Yes
Ext. Press. Sensor:	None
CTD Sensor:	No
Ext Sensor:	No
Waves Option:	None

Pressure Settings:

Pressure Offset (dbar):	-7.0784
Press. Scale (dbar/count):	0.00303
Press. Scale 2 (pdbar/c ²):	0

Transformation Matrix:

1.577	-0.789	-0.789
0.000	-1.366	1.366
0.368	0.368	0.368

Close

Recorder [X]

Recorder File Listing:

Name	Size	Date	Time
------	------	------	------

Used Space: 0.00M 0 Files found in Recorder

Free Space: 1953.98M **Format**

Close

System Time [X]

Computer Time: 2013/06/26 22:13:05

System Time: 2013/06/26 22:13:05

Difference: 0 00:00:00

Set System Time:

☒ Auto - (Match Computer Clock)

☐ Manual

2013/06/26, 22:13:05 [v]

OK **Cancel**

Advanced Settings ✕

Sound Speed Settings:

Temperature Mode: Measured ▾

Def Water Temp (deg C): 20

Def Water Salinity (ppt): 34.5

Def Speed of Sound (m/s): 1520.95

Configure Burst Mode:

Burst Mode: DISABLED ▾

Burst Interval (s): 1200

Profiles Per Burst: 1

OK Cancel

System Deployment

Deployment Parameters:

File Name: CALMB

Start Date/Time: 2013/07/01, 20:00:00

Comments:

1119-calm-B

50meters looking up

User Settings:

Averaging Interval (s): 120

Profiling Interval (s): 1800

Coordinate System: ENU

Profiling Range:

Number of Cells: 50

Cell Size (m): 1

Blanking Distance (m): 1.5

Profiling Range: 2.00 - 52.00 m

<<< Show Profile Assistant

Power Management:

Battery Pack Type: Alkaline

Number of Battery Packs: 3

Deployment Summary:

62588.61 days of Data Collection remaining.

Power is sufficient for 378 days of operation

Deployment Settings:

Output Mode: Auto

Recorder Enabled: Enabled

Recorder Status:

Show Recorder Details...

Hardware Configuration:

Show Hardware Configuration...

System Time:

Show System Time...

Advanced Settings:

Show Advanced Settings...

PC-ADP Settings:

Show PC-ADP Settings...

Waves Settings:

Show Waves Settings...

Deploy

Cancel

Help

Deployment Display

2048901120 free bytes left in recorder.
Free space is sufficient for 62588.62 days of operation.
Recorder mode is NORMAL.

Deployment CALMB001 will start on: 2013/07/01 at 20:00:00
In 4 days, 21 hours, 39 minutes and 31 seconds from now.
OK

Time between Profiles: 1800 seconds

OK

ADP deployment



Now disconnect the communication cable from
the system for deployment.

OK

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

Project: SCI-5
Serial Number: 1588
Cruise ID: TVLLY
Platform: 2013-50
Station: SCI
Deployment Date: June 27, 2013
Recovery Date: 1 year
Position: _____
Depth: _____

Parameters:
Ensemble Interval: 3600 secs
Bin Size: 4
Number of Pings: 50
Number of Bins: 62
Ambiguity Velocity: 1.96 cm/s
Water profiling Mode: WB2
Time: UTC
Start Time: July 1st, 2013 @ 2000 UTC
Power: SX special mode
Battery Type: _____

Started on old laptop using BBtalk.

1588-SC1-C-Deployment.txt

[File Name - 1588-SC1-C-Deployment.txt]

```
>[=====]
[I)  ADCP CONFIGURATION AND SETUP ]
[
  System Frequency:      150 kHz]
  Beam Angle:           20 deg]
  System Power           High]
[
  Temperature:          6.00 deg C]
  Salinity:              32 ppt]
  Depth of Trans:        160.0 m]
[
  WT pings/ensemble      50]
  Depth Cell Size        4.00 m]
  Number of Cells        62]
  Blank After Tx         4.00 m]
  WT profiling mode      1]
  WT ambiguity velocity   200cm/s ]
[
  BT pings/ensemble      0]
  Time btwn ping groups  0.00 s]
  Time/ensemble          01:0:00]
  Deployment Length      3 Days]
  Velocity Collected     YES]
  Coordinate System       Earth]
  Correlation system      YES]
  Correlation collected   YES]
  Intesity collected      YES]
  % good collected        YES]
  Status collected        YES]
  Enable Recorder         YES]
  Enable Serial Port      YES]
  Baud Rate               115200-8-n-1 ]
[
II)  PREDICTIONS]
[
  First depth cell       8.3 m]
  Last depth cell        252 m]
  WT max predicted range  310.7 m]
  WT min ping time       0.81 s]
  wt vel std dev         1.96cm/s]
[
  Bytes/ensemble         954]
  Min time/ensemble      s]
  Total Space needed     12.72 MB]
  Energy Required        Enough for 600 Days
[
III)  WARNINGS]
[
  None]
[
IV)  COMMANDS]
[
  WP00050 no of pings]
WP00050
>
>
[      WD111110000]
WD111110000
>
>
[      WN062 bins]
```


1588-SC1-C-Deployment.txt

```

WN062
>
>
[      WS0400  4m ]
WS0400
>
>
[      WF0400 blank after transmit]
WF0400
>
>
[      WM1 Mode 1]
WM1
>
>
[      TP00:24.00 time between pings]
TP00:24.00
>
>
[      WV200 ambiguity velocity]
WV200
>
>
[      BP000 bottom track off]
BP000
>
>
[      TE01:00:00.00 ensemble time]
TE01:00:00.00
>
>
[      TF Start@ July 1, 2013 @ 2000UTC]
TF130701200000
>
>
[      ET0600 temp]
ET0600
>
>
[      ES32  salinity]
ES32
>
>
[      ED2500 depth]
ED2500
>
>
[      EZ1111111 sensors]
EZ1111111
>
>
[      EX11111 earth coordinates bin mapping tilts and rolls ]
EX11111
>
>
[      CF11101]
CF11101
>
Broadband ADCP Version 5.59
RD Instruments (c) 1991-2000
All rights reserved.

[      WB2  Narrow band]

```

1588-SC1-C-Deployment.txt

```

>
>WB2
>
>
>?
B? ----- BOTTOM TRACK Commands
C? ----- CONTROL Commands
D? ----- APPLIED MICROSYSTEMS Commands
E? ----- ENVIRONMENTAL SENSORS Commands
P? ----- PERFORMANCE Commands
R? ----- RECORDER Commands
T? ----- TIMING Commands
W? ----- WATER PROFILING Commands
>C?
CB = 811 ----- Serial Port Control (Baud; Par; Stop)
CF = 11101 ----- Flow Ctrl (EnsCyc;PngCyc;Binry;Ser;Rec)
CG = 0,00000 ----- Ping Mode(0=Std, 2=MCM),MCM Trig Dly(0-65535ms)
CK ----- Keep Parameters as USER Defaults
CL = 1 ----- Battery Saver Mode (0=OFF, 1=ON)
CP = 255 ----- Xmt Power (0=min, 255=max)
CQ = 008 ----- Xmt Delay Select (0-127)
CR # ----- Retrieve Parameters (0 = USER, 1 = FACTORY)
CS ----- Go (Start Pinging)
CT = 00 ----- Turnkey Mode (0=OFF,1=TURNKEY)
CX = 0 ----- Triggered Xmt (0=OFF,1=LH,2=HL,3=LH/HL,4=L,5=H)
CY = E419FEFF ----- Clear BIT Log
CZ ----- Power Down BBADCP
>E?
EA = +00000 ----- Heading Alignment (1/100 deg)
EB = +00000 ----- Heading Bias (1/100 deg)
EC = 1500 ----- Speed Of Sound (m/s)
ED = 02500 ----- Transducer Depth (0 - 65535 dm)
EF = +0001 ----- Pitch/Roll Divisor/Multiplier (pos/neg) [1/99 - 99]
EH = 00000 ----- Heading (1/100 deg)
EP = +0000 ----- Tilt 1 Sensor (1/100 deg)
ER = +0000 ----- Tilt 2 Sensor (1/100 deg)
ES = 32 ----- Salinity (0-40 pp thousand)
ET = +0600 ----- Temperature (1/100 deg Celsius)
EX = 11111 ----- Coord Transform (Xform:Type; Tilts; 3Bm; Map)
EZ = 1111111 ----- Sensor Source (C;D;H;P;R;S;T)
>R?
RA = 000 ----- Number of Deployments Recorded
RB ### ----- Blank Check 1 MB of Recorder Memory (0 = ALL)
RD = 000 ----- Current Deployment Selected (0 = NONE)
RE ErASE ----- Erase Recorder
RJ +##### ----- Number of Ensembles to Jump (+/- 99999)
RP = 0000 ----- Recorder Parameters (-;-;-;No Buffer)
RS = 000,120 ----- Rec Space Used (MB), Free (MB), (999 = Erasing)
RT ----- Recorder BIT
RY ### ----- Start YModem (Batch) Xfer Deployment # (0=All)
>T?
TB = 00:00:00.00 ----- Time per Burst (hrs:min:sec.sec/100)
TC = 00000 ----- Ensembles Per Burst (0-65535)
TE = 01:00:00.00 ----- Time per Ensemble (hrs:min:sec.sec/100)
TF = **/**/**, **: **: ** ----- Time of First Ping (yr/mon/day, hour:min:sec)
TG = ****/**/**, **: **: ** ----- Time of First Ping (CCYY/MM/DD, hh:mm:ss)
TP = 00:24.00 ----- Time per Ping (min:sec.sec/100)
TS = 13/06/26,17:46:02 --- Time Set (yr/mon/day, hour:min:sec)
TT = 2013/06/26,17:46:02 - Time Set (CCYY/MM/DD, hh:mm:ss)
>TS?
TS = 13/06/26,17:46:02 --- Time Set (yr/mon/day, hour:min:sec)
>W?
WA = 255 ----- False Target Threshold (Max) (0-255 counts)

```

1588-SC1-C-Deployment.txt

```

WB = 2 ----- Mode 1 Bandwidth Control (0=wid,1=Med,2=Nar)
WC = 064 ----- Low Correlation Threshold (0-255)
WD = 111 110 000 ----- Data Out (V;C;A PG;St;Vsum Vsum^2;#G;P0)
WE = 9999 ----- Error Velocity Threshold (0-5000 mm/s)
WF = 0400 ----- Blank After Transmit (cm)
WG = 000 ----- Percent Good Minimum (0-100%)
WH = 111 100 000 ----- Bm 5 Data Out (V;C;A PG;St;Vsum Vsum^2;#G;P0)
WI = 0 ----- Clip Data Past Bottom (0=OFF,1=ON)
WJ = 1 ----- Rcvr Gain Select (0=Low,1=High)
WL = 000,005 ----- Water Reference Layer: Begin Cell (0=OFF), End Cell
WM = 1 ----- Profiling Mode (1-8)
WN = 062 ----- Number of depth cells (1-128)
WP = 00050 ----- Pings per Ensemble (0-16384)
WQ = 0 ----- Sample Ambient Sound (0=OFF,1=ON)
WS = 0400 ----- Depth Cell Size (cm)
WT = 0000 ----- Transmit Length (cm) [0 = Bin Length]
WV = 200 ----- Mode 1 Ambiguity Velocity (cm/s radial)
WW = 004 ----- Mode 1 Pings before Mode 4 Re-acquire
WX = 999 ----- Mode 4 Ambiguity Velocity (cm/s radial)
WZ = 010 ----- Modes 5 and 8 Ambiguity Velocity (cm/s radial)
>C?
CB = 811 ----- Serial Port Control (Baud; Par; Stop)
CF = 11101 ----- Flow Ctrl (EnsCyc;PngCyc;Binry;Ser;Rec)
CG = 0,00000 ----- Ping Mode(0=Std, 2=MCM),MCM Trig Dly(0-65535ms)
CK ----- Keep Parameters as USER Defaults
CL = 1 ----- Battery Saver Mode (0=OFF, 1=ON)
CP = 255 ----- Xmt Power (0=min, 255=max)
CQ = 008 ----- Xmt Delay Select (0-127)
CR # ----- Retrieve Parameters (0 = USER, 1 = FACTORY)
CS ----- Go (Start Pinging)
CT = 00 ----- Turnkey Mode (0=OFF,1=TURNKEY)
CX = 0 ----- Triggered Xmt (0=OFF,1=LH,2=HL,3=LH/HL,4=L,5=H)
CY = E419FEFF ----- Clear BIT Log
CZ ----- Power Down BBADCP
>CS

```