

Mooring Deployment Record

Project Name: <i>Aquaculture</i>	
Project Area: <i>Sutil Channel</i>	
Mooring Name: <i>SC1-B</i>	Station Name: <i>SC1</i>
Latitude: <i>40° 2.46' N</i>	Longitude: <i>125° 06.935' W</i>
Depth: <i>261 m datum = 258</i>	Tide: <i>125° 6.935' +3 Redonda</i>
Mag. Declination:	Time Zone: <i>UTC</i>
Date: <i>18/10/2012</i>	Time: <i>2214</i>
Remarks:	

Recovery

Date: <i>June 28, 2013</i>	Time: <i>1008 PDT => 1708 UTC</i>
Remarks:	

Instruments

Type	Serial #	Depth	Time In:	Time Out	Notes
WH600	1820	45 43 m			↑
WH300	2272	48 46 m			↓
WH300	2275	248 m			↑

Releases

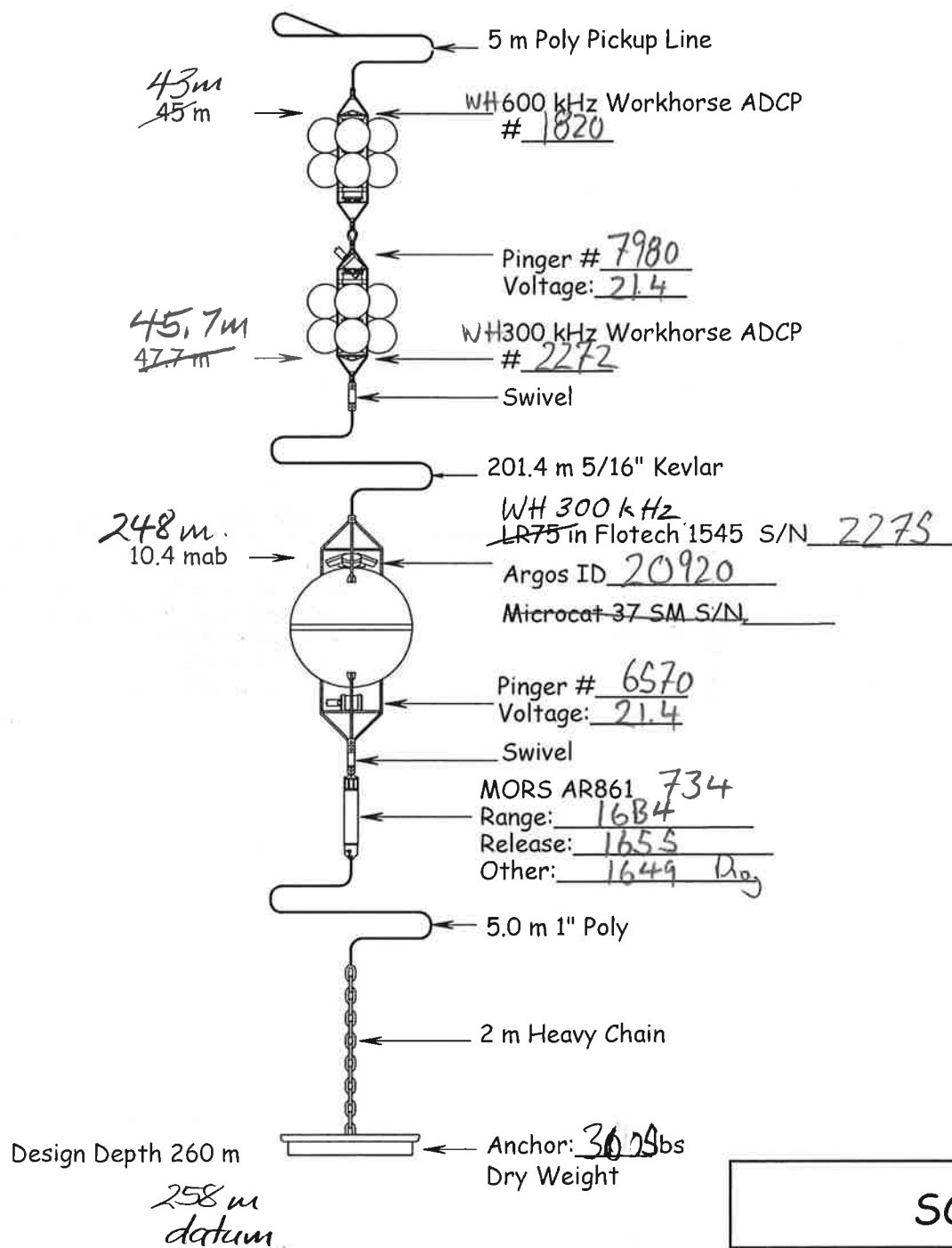
Release	Serial #	Range:	Release	Freq	Other
<i>A2861</i>	<i>734</i>	<i>16B4</i>	<i>1655</i>		<i>1649 diag</i>

Pingers

Pinger	Serial #	Voltage	Freq
<i>7980</i>	<i>7</i>	<i>21.4 V₁₀₀</i>	<i>27</i>
<i>6570</i>		<i>21.4 V₁₀₀</i>	<i>27</i>

Flotation

Type	Serial #	Size	Colour	Type	Serial #	Size	Colour
<i>Vinyx8</i>		<i>12-B3</i>	<i>Orange</i>				
<i>Vinyx8</i>		<i>12 B3</i>	<i>Orange</i>				
<i>MF1545</i>		<i>45"</i>	<i>Orange</i>				



SC1-B

Latitude: 50° 2.716' N

Longitude 125° 6.935' W

Time: 2214 UTC Date: 18/10/2012

Depth: 261 m = 258m

datum

Redonda Bay + 3m tide

SC1-B Deck Cheek Oct. 18, 2012

5 m poly $\frac{1}{2}$ ϕ

WH600 1820 w 8 Vines $\frac{1}{2}$ ϕ $\frac{1}{2}$ sling $\frac{1}{2}$ ϕ Pinger 798

WH300 2272 w 8 Vines $\frac{1}{2}$ ϕ $\frac{1}{2}$ ϕ Swivel $\frac{1}{2}$ ϕ $\frac{7}{16}$ ϕ 21.4 V₁₀₀

201.4 m $\frac{5}{16}$ Kevlar $\frac{7}{16}$ ϕ $\frac{1}{2}$ ϕ

WH300 2275 in 1545 Float Pinger 6570 21.4 V₁₀₀
Argos 20920

$\frac{1}{2}$ ϕ $\frac{1}{2}$ ϕ Swivel $\frac{1}{2}$ ϕ $\frac{5}{8}$ ϕ

AR 861 734 Range 1654 Release 1655

5 m $\frac{1}{8}$ Bot $\frac{7}{8}$ ϕ

3005 lb Anchor w 2 $\frac{1}{2}$ m heavy chain

SUTIL-B Mooring Configuration

260 m Design Depth

2948 lb steel anchor

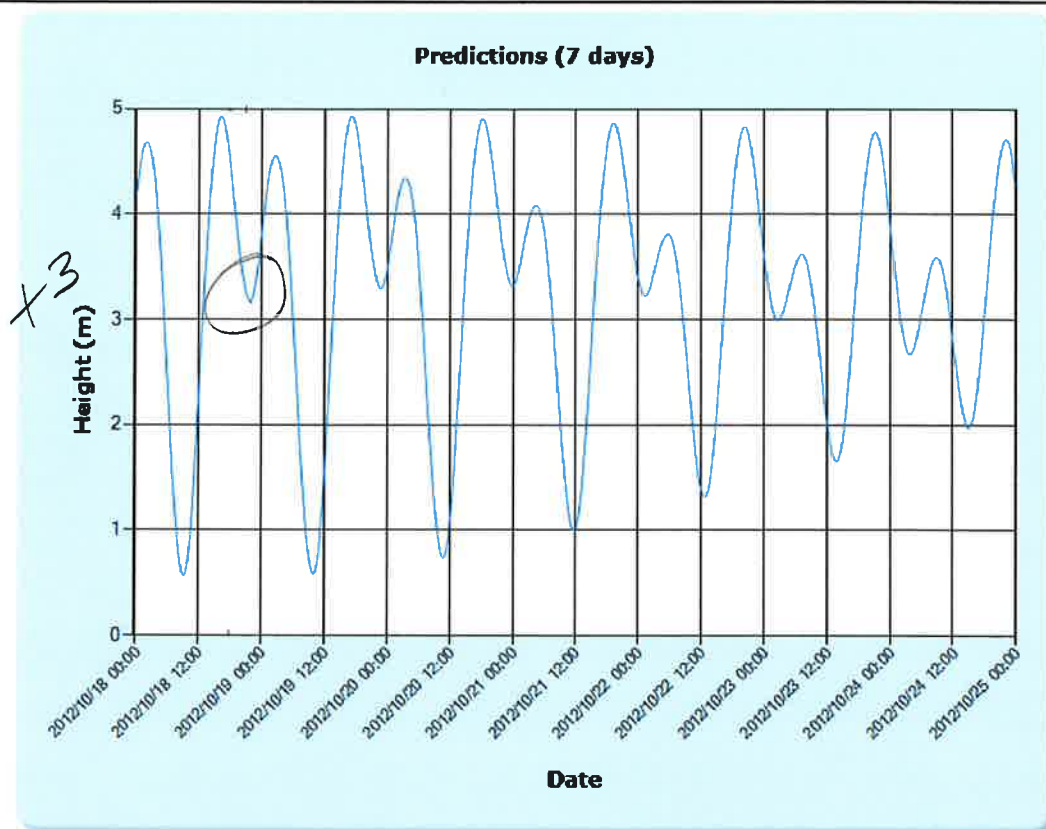
	Weight in Air	Wet Weight	Length	Inst. Height	Inst. Depth	Net Weight
		(kg)	(m)	(m)	(m)	below float (kg)
3/4" Poly Pickup Line	0.18	-0.02	5.00	220.05	39.95	
1/2" Shackle	0.37	0.32	0.05			
WH300 w 8 Vinies	37.30	-151.72	1.29	45.00	45.00	
1/2" Shackle	0.37	0.32	0.05			
1/2" Sling Link	0.25	0.22	0.08			
1/2" Shackle	0.37	0.32	0.05			
WH300 w 8 Vinies	37.30	-151.72	1.29	46.46	47.74	-224.72
1/2" Shackle	0.37	0.32	0.05			
1/2" Shackle	0.37	0.32	0.05			
MillerC3	1.23	1.07	0.15			
1/2" Shackle	0.37	0.32	0.05			
7/16" Shackle	0.22	0.19	0.04			
1/4" Kevlar	6.65	1.86	201.38	200.57	measured length 0.4% stretch	
7/16" Shackle	0.22	0.19	0.04			
1/2" Shackle	0.36	0.31	0.05			
LR75 & 45" Float	463.27	-254.00	2.10	10.44	249.56	10.44
1/2" Shackle	0.36	0.31	0.05			
1/2" Shackle	0.36	0.31	0.05			
MillerC3	1.22	1.07	0.15			
1/2" Shackle	0.36	0.31	0.05			
5/8" Shackle	0.76	0.67	0.06			
RT661 B2S	30.00	22.00	0.90			
1" Poly			5.00			
7/8" Shackle	1.80	1.57	0.08			
1" Chain		45.00	2.00			

-480.43

500 2.716'N
 1250 6.935'W
 2214 UTC Oct 18, 2012
 261 m

Redonda Bay (#8025)**7 days Tidal Predictions**

Reference: Chart Datum



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

Project: _____
Serial Number: 1820 -600 kHz
Cruise ID: 2012-71
Platform: Vespr
Station: SCI-B
Deployment Date: Oct 18, 2012
Recovery Date: June 2013
Position: _____
Depth: _____

Parameters:
Ensemble Interval: 15 min
Bin Size: 2 m
Number of Pings: 137
Number of Bins: 30
Ambiguity Velocity: 0.26 cm/s
Water profiling Mode: WBI
Time: UTC
Start Time: Oct 18, 2012 @ 2200 UTC
Power: 2 x External Ios pack
Battery Type: 6023 x 2

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

BackTo5C Settings View Help

CAUTION: Not enough battery packs for the deployment.

Basic Expert

Environmental Setup: Transducer Depth: 60 m Salinity: 32 ppt Magnetic Variation: 0 ° Temperature: 5 °C	Profiling Setup: Pings Per Ensemble: 137 Number of Depth Cells: 30 Depth Cell Size: 2 m Mode: 1	Deployment Consequences: First Cell Range: 3.03 m Last Cell Range: 61.03 m Max Range: 62.02 m Standard Deviation: 0.52 cm/s Ensemble Size: 748 bytes Storage Required: 19.39 MB Power Usage: 912.91 Wh Battery Pack Usage: 2.0
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Deployment Timing Setup:

Duration: 270 days

Ensemble Interval: 00:15:00.00

Ping Int. (✓ Auto): 00:00:06.56

☐ Ping Immediately After Deployment

First Ping Date and Time:

18-Oct-2012 10:00:00 PM

Notes:

1820-SC1-B
Start Oct 8, 2200UTC

CR1
CF11101
EA0
EB0
ED600
ES32
EX11111
EZ1111111
WB1
WD111100000
WF88
WN30
WP137
WS200
WV170
TE00:15:00.00
TP00:06.56
TF12/10/18 22:00:00
CK
CS

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

2272

Project: _____
Serial Number: 2272
Cruise ID: 2012-71
Platform: Vector
Station: SCI-B
Deployment Date: Oct 18, 2012
Recovery Date: _____
Position: _____
Depth: _____

Parameters:
Ensemble Interval: 15 min
Bin Size: 4 m
Number of Pings: 70
Number of Bins: 32
Ambiguity Velocity: ~~WB~~ 0.73 cm/s
Water profiling Mode: WB1
Time: UTC
Start Time: Oct 18, 2012 UTC
Power: 2x 60 W
Battery Type: LiFePO4

PlanADCP (Advanced): Workhorse Sentinel 300 kHz [Dpl3]

BackTo5C Settings View Help

Basic Expert

Environmental Setup: Transducer Depth: 48 m Salinity: 32 ppt Magnetic Variation: 0 ° Temperature: 5 °C	Profiling Setup: Pings Per Ensemble: 70 Number of Depth Cells: 32 Depth Cell Size: 4 m Mode: 1	Deployment Consequences: First Cell Range: 6.06 m Last Cell Range: 130.06 m Max Range: 153.50 m Standard Deviation: 0.73 cm/s Ensemble Size: 788 bytes Storage Required: 20.42 MB Power Usage: 886.33 Wh Battery Pack Usage: 2.0
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Deployment Timing Setup: Duration: 270 days Ensemble Interval: 00:15:00.00 Ping Int. (✓ Auto): 00:00:12.85 ☐ Ping Immediately After Deployment First Ping Date and Time: 18-Oct-2012 08:00:00 PM	Notes: 2272-sc1-B Start: Oct 18, 2000 utc end: June-ish 2013 [This unit has the IOS battery solver.]
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CR1
 CF11101
 EA0
 EB0
 ED480
 ES32
 EX11111
 EZ1111111
 WB1
 WD111100000
 WF176
 WN32
 WP70
 WS400
 WV170
 TE00:15:00.00
 TP00:12.85
 TF12/10/18 20:00:00
 CK
 CS

PlanADCP (Advanced): Workhorse Sentinel 300 kHz [Dp12]

BackToSC Settings View Help

Basic Expert

Environmental Setup: Transducer Depth: 250 m Salinity: 32 ppt Magnetic Variation: 0 ° Temperature: 5 °C	Profiling Setup: Pings Per Ensemble: 70 Number of Depth Cells: 32 Depth Cell Size: 4 m Mode: 1	Deployment Consequences: First Cell Range: 6.06 m Last Cell Range: 130.06 m Max Range: 155.49 m Standard Deviation: 0.73 cm/s Ensemble Size: 788 bytes Storage Required: 20.42 MB Power Usage: 886.40 Wh Battery Pack Usage: 2.0
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Deployment Timing Setup: Duration: 270 days Ensemble Interval: 00:15:00.00 Ping Int. ☒ Auto: 00:00:12.85 ☐ Ping Immediately After Deployment First Ping Date and Time: 17-Oct-2012 08:00:00 PM	Notes 2275-sc1-B Start Oct 18, 2012 @ 2000UTC end: July'ish This has our IOS battery solution. LP
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CR1
 CF11101
 EA0
 EB0
 ED2500
 ES32
 EX11111
 EZ1111111
 WB1
 WD111100000
 WF176
 WN32
 WP70
 WS400
 WV170
 TE00:15:00.00
 TP00:12.85
 TF12/10/18 20:00:00
 CK
 CS