

Nortek ADV Deployment Setup

Date 8-17-15

Location Clay Bank (Tower)
 Other _____

cmab 432

Tower Location M1

Sensor VCH4856 (Head) & VEC9685 (Hardware) V21967
 VCH4844 (Head) & VEC9679 (Hardware) V21966 M1
 VCH4854 (Head) & VEC9699 (Hardware) V21968
 VCH4493 (Head) & VEC9697 (Hardware) V20113
 VCH4921 (Head) & VEC8207 (Hardware) V21977 (Profiler ONLY)
 VCH4867 (Head) & VEC9688 (Hardware) ODU
 VCH4871 (Head) & VEC9691 (Hardware) ODU

sensor painted with Interlux MicronCSC

Old battery voltages _____ / _____
New battery voltages 12.22 / 12.22

Reformat memory card 2-Lithiums free space

Calibration date _____ filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx 0.081
dy 0.446

Magnetometer: Mx -3.17
My -1.83
My -8.53

Tilt: Heading 209.9
Pitch -1.6
Roll 0.9

Degree Error: 1

Master

Slave (must be programed to start 10 seconds before the master)

Standard	Sample rate	(16 Hz)	<input checked="" type="checkbox"/>
	Nominal Velrange	(+ - 2.00m/s)	<input checked="" type="checkbox"/>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(2400)	<input checked="" type="checkbox"/>
	*(16 Hz for 2.5 minutes equals 2400 records)		
	Coordinate system 2	(XYZ)	<input checked="" type="checkbox"/>
	Salinity (measured)	(15)	<input checked="" type="checkbox"/>
	Geography	(open ocean)	<input checked="" type="checkbox"/>
	Battery pack	(Other, See help)	<input checked="" type="checkbox"/>
	Battery Capacity	(540)	<input checked="" type="checkbox"/> <u>125%</u>
	Assumed duration (days)	(120)	<input checked="" type="checkbox"/> <u>120 days</u>
	<input checked="" type="checkbox"/> Use Advanced Settings		

Advanced	Sample volume	(14.9 mm)	<input checked="" type="checkbox"/>
	Transit length	(4.0 mm)	<input checked="" type="checkbox"/>

Power level	(HIGH)	<input checked="" type="checkbox"/>
Output Sync	(For Vector)	<input checked="" type="checkbox"/>
Input Sync (Leave unchecked)		<input type="checkbox"/>
Start on Sync		<input type="checkbox"/>
Sample on Sync		<input type="checkbox"/>
Assumed duration (days)	(120)	<input checked="" type="checkbox"/>
Battery Utilization		195
Memory Required		69963
Vertical Velocity Range(1 m/s)		1
Horizontal Velocity Range	(3.5 m/s)	3.5

Set Clock

Deployment	(ex. DEC12M)	<u>AUG 15 M</u>
Start date	(7/26/07)	<u>8/21/18</u>
Start time	(12:50:00)	<u>12:00:00</u>

Retrieval Date _____ Time _____

HOBO Deployment Setup

Date 8/18/15

Location

- ClayBank Tower
- ClayBank Tripod
- Other _____

cmab 420.5

Sensor

- SN 9945142 - M1
- SN 10075264
- SN 10075265
- SN 10075266
- SN 10075267
- SN 10075268
- SN 10075269
- SN 10075270
- SN 10075272
- SN 10075273
- SN 10075274

sensor painted with Interlux MicronCSC

Old battery voltages _____

New battery voltages Good

Memory used 07

- Set Clock
- Reformat memory card _____ free space

HOBO Set-Up (sit in known ~15 ppt salinity solution with YSI for 5 samples)

Description (Enter file name-ex M1_MAR12): AUG15-42

Sensors

- Conductivity Low Range
- Conductivity High Range
- Temperature U24
- Logger's Battery Voltage

HOBO Deployment

Logging Interval	(15 min)	_____	
Samples	(9999)	_____	(can't change)
Log Until	(104.1)	_____	(can't change)
Start Logging on Date/Time	(03/12/12 12:00:00 PM)	<u>8/19/15</u>	<u>08:00:00</u>

CTD Salinity filename ~~DADG3R3~~ TAUG15PR

Retrieval Date _____ Time _____

Nortek ADV Deployment Setup

Date 8/17/15

Location Clay Bank (Tower)
 Other _____

cmab 332

Tower Location S1

- Sensor
- VCH4856 (Head) & VEC9685 (Hardware) V21967
 - VCH4844 (Head) & VEC9679 (Hardware) V21966
 - VCH4854 (Head) & VEC9699 (Hardware) V21968 S1
 - VCH4493 (Head) & VEC9697 (Hardware) V20113
 - VCH4921 (Head) & VEC8207 (Hardware) V21977 (Profiler ONLY)
 - VCH4867 (Head) & VEC9688 (Hardware) ODU
 - VCH4871 (Head) & VEC9691 (Hardware) ODU

sensor painted with Interlux MicronCSC

Old battery voltages _____ / _____
New battery voltages 12.3 / 12.35

Reformat memory card _____ free space

Calibration date 8/19/15 filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx -0.11
dy 0.096

Magnetometer: Mx -3.39
My -2.40
My -8.14

Tilt: Heading 215.2
Pitch -9.6
Roll 1.9

Degree Error: 1

Master

Slave (must be programed to start 10 seconds before the master)

Standard	Sample rate	(16 Hz)	<input checked="" type="checkbox"/>
	Nominal Velrange	(+ 2.00m/s)	<input checked="" type="checkbox"/>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(2400)	<input checked="" type="checkbox"/>
	*(16 Hz for 2.5 minutes equals 2400 records)		
	Coordinate system 2	(XYZ)	<input checked="" type="checkbox"/>
	Salinity (measured)	(15)	<input checked="" type="checkbox"/>
	Geography	(open ocean)	<input checked="" type="checkbox"/>
	Battery pack	(Other, See help)	<u>2 Lithium</u>
	Battery Capacity	(540)	<u>330</u>
	Assumed duration (days)	(120)	<u>120</u>
	<input checked="" type="checkbox"/> Use Advanced Settings		

Advanced	Sample volume	(14.9 mm)	<input checked="" type="checkbox"/>
	Transit length	(4.0 mm)	<input checked="" type="checkbox"/>

Power level (HIGH)
Output Sync (For Vector)
Input Sync (Leave unchecked)
~~Start on Sync~~
~~Sample on Sync~~
Assumed duration (days) (120)
Battery Utilization
Memory Required
Vertical Velocity Range (1 m/s)
Horizontal Velocity Range (3.5 m/s)

✓
✓

✓
125
699.3
✓
✓

Set Clock

Deployment (ex. DEC12M)
Start date (7/26/07)
Start time (12:50:00)

~~AGISSI~~ AGISSI
8/2/15
12:00:00 PM

Retrieval Date _____ Time _____

Nortek ADV Deployment Setup

Date 8-17-15

Location Clay Bank (Tower)
 Other _____

cmab 235

Tower Location 32

- Sensor
- VCH4856 (Head) & VEC9685 (Hardware) V21967 SZ
 - VCH4844 (Head) & VEC9679 (Hardware) V21966
 - VCH4854 (Head) & VEC9699 (Hardware) V21968
 - VCH4493 (Head) & VEC9697 (Hardware) V20113
 - VCH4921 (Head) & VEC8207 (Hardware) V21977 (Profiler ONLY)
 - VCH4867 (Head) & VEC9688 (Hardware) ODU
 - VCH4871 (Head) & VEC9691 (Hardware) ODU

sensor painted with Interlux MicronCSC

Old battery voltages _____ / _____
New battery voltages 12.30 / 12.24 2 Lithium

Reformat memory card _____ free space

Calibration date 8/19/15 filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx _____
dy _____

Magnetometer: Mx _____
My _____
My _____

Tilt: Heading _____
Pitch _____
Roll _____

Degree Error: 1.8

Master

Slave (must be programed to start 10 seconds before the master)

Standard	Sample rate	(16 Hz)	<input checked="" type="checkbox"/>
	Nominal Velrange	(+/- 2.00m/s)	<input checked="" type="checkbox"/>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(2400)	<input checked="" type="checkbox"/>
	*(16 Hz for 2.5 minutes equals 2400 records)		
	Coordinate system 2	(XYZ)	<input checked="" type="checkbox"/>
	Salinity (measured)	(15)	<input checked="" type="checkbox"/>
	Geography	(open ocean)	<input checked="" type="checkbox"/>
	Battery pack	(Other, See help)	<u>2 Lithium</u>
	Battery Capacity	(540)	<u>330</u>
Assumed duration (days)	(120)	<u>120</u>	
<input checked="" type="checkbox"/> Use Advanced Settings			

Advanced	Sample volume	(14.9 mm)	<input checked="" type="checkbox"/>
	Transit length	(4.0 mm)	<input checked="" type="checkbox"/>

Power level	(HIGH)	<u> </u>
Output Sync	(For Vector)	<u> </u>
Input Sync (Leave unchecked)		<u> </u>
Start on Sync		<u> </u>
Sample on Sync		<u> </u>
Assumed duration (days)	(120)	<u>120</u>
Battery Utilization		<u>125</u>
Memory Required		<u>699.3</u>
Vertical Velocity Range(1 m/s)		<u>✓</u>
Horizontal Velocity Range	(3.5 m/s)	<u>✓</u>

Set Clock

Deployment	(ex. DEC12M)	<u>AG1502</u>
Start date	(7/26/07)	<u>8/21/15</u>
Start time	(12:50:00)	<u>12:00:00</u>

Retrieval Date _____ Time _____

HOBO Deployment Setup

Date 8/18/15

Location

- ClayBank Tower
- ClayBank Tripod
- Other _____

cmab 220

Sensor

- SN 9945142
- SN 10075264
- SN 10075265
- SN 10075266
- SN 10075267
- SN 10075268
- SN 10075269 *SD*
- SN 10075270
- SN 10075272
- SN 10075273
- SN 10075274

sensor painted with Interlux MicronCSC

Old battery voltages _____

New battery voltages Good

Memory used 0.1

- Set Clock
- Reformat memory card _____ free space

HOBO Set-Up (sit in known ~15 ppt salinity solution with YSI for 5 samples)

Description (Enter file name-ex M1_MAR12): _____

Sensors

- Conductivity Low Range
- Conductivity High Range
- Temperature U24
- Logger's Battery Voltage

HOBO Deployment

Logging Interval	(15 min)	<u>✓</u>	
Samples	(9999)	<u>✓</u>	(can't change)
Log Until	(104.1)	<u>✓</u>	(can't change)
Start Logging on Date/Time	(03/12/12 12:00:00 PM)	<u>8/19/15 8:00:00 AM</u>	<u>EST</u>

CTD Salinity filename TAUG15PR

Retrieval Date _____ Time _____

Nortek ADV Deployment Setup

Date 8-17-15

Location Clay Bank (Tower)
 Other _____

cmab 133.5

Tower Location 83

- Sensor
- VCH4856 (Head) & VEC9685 (Hardware) V21967
 - VCH4844 (Head) & VEC9679 (Hardware) V21966
 - VCH4854 (Head) & VEC9699 (Hardware) V21968
 - VCH4493 (Head) & VEC9697 (Hardware) V20113 53
 - VCH4921 (Head) & VEC8207 (Hardware) V21977 (Profilor ONLY)
 - VCH4867 (Head) & VEC9688 (Hardware) ODU
 - VCH4871 (Head) & VEC9691 (Hardware) ODU

sensor painted with Interlux MicronCSC

Old battery voltages _____ / _____

New battery voltages 12.31 / 12.39 2 Lithium

Reformat memory card _____ free space

Calibration date 8-19-15 filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx 0.891
dy -0.275

Magnetometer: Mx -3.02
My -0.72
My -8.24

Tilt: Heading 170
Pitch -7.8
Roll 10

Degree Error: 1.0

Master

Slave (must be programed to start 10 seconds before the master)

Standard	Sample rate	(16 Hz)	<input checked="" type="checkbox"/>
	Nominal Velrange	(+/- 2.00m/s)	_____
	Burst Interval	(900)	_____
	Samples/burst	(2400)	<input checked="" type="checkbox"/>
	*(16 Hz for 2.5 minutes equals 2400 records)		
	Coordinate system 2	(XYZ)	_____
	Salinity (measured)	(15)	<input checked="" type="checkbox"/>
	Geography	(open ocean)	_____
	Battery pack	(Other, See help)	<input checked="" type="checkbox"/> <u>2 lithium</u>
	Battery Capacity	(540)	<u>330</u>
Assumed duration (days)	(120)	<u>120</u>	
<input checked="" type="checkbox"/> Use Advanced Settings			

Advanced	Sample volume	(14.9 mm)	<input checked="" type="checkbox"/>
	Transit length	(4.0 mm)	_____

Power level (HIGH)
Output Sync (For Vector)
Input Sync (Leave unchecked)
~~Start on Sync~~
~~Sample on Sync~~
Assumed duration (days) (120)
Battery Utilization
Memory Required
Vertical Velocity Range (1 m/s)
Horizontal Velocity Range (3.5 m/s)

✓
✓

120
125
699.3
1
3.5

Set Clock

Deployment (ex. DEC12M) AG1553
Start date (7/26/07) 9/8/2015
Start time (12:50:00) 12:00:00

Retrieval Date _____ Time _____

HOBO Deployment Setup

Date 8/18/15

Location

- ClayBank Tower
- ClayBank Tripod
- Other _____

cmab 120

Sensor

- SN 9945142
- SN 10075264
- SN 10075265
- SN 10075266
- SN 10075267
- SN 10075268
- SN 10075269
- SN 10075270
- SN 10075272
- SN 10075273
- SN 10075274 S2

sensor painted with Interlux MicronCSC

Old battery voltages _____

New battery voltages Good

Memory used 07.

- Set Clock
- Reformat memory card _____ free space

HOBO Set-Up (sit in known ~15 ppt salinity solution with YSI for 5 samples)

Description (Enter file name-ex M1_MAR12): AUG15-74

Sensors

- Conductivity Low Range
- Conductivity High Range
- Temperature U24
- Logger's Battery Voltage

HOBO Deployment

Logging Interval	(15 min)	_____	
Samples	(9999)	_____	(can't change)
Log Until	(104.1)	_____	(can't change)
Start Logging on Date/Time	(03/12/12 12:00:00 PM)	<u>8/19/15</u>	<u>08:00:00</u>

CTD Salinity filename TAUG15PR

Retrieval Date _____ Time _____