

Nortek ADV Deployment Setup

Date 12-9-13

Location Clay Bank (Tower)
 Other _____

cmab 432

Tower Location Master (top)

- Sensor
- VCH4856 (Head) & VEC9685 (Hardware) V21967
 - VCH4844 (Head) & VEC9679 (Hardware) V21966 Master
 - 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 11.68 / 11.74

Reformat memory card _____ free space

Calibration date 12-9-13 filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx -0.818
dy -0.38

Magnetometer: Mx -4.54
My -0.16
My -8.29

Tilt: Heading 182.0
Pitch -2.8
Roll 1.8

Degree Error: 1.4

- 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"/> <u>2</u>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(1200) <u>2400</u>	<input checked="" type="checkbox"/> <u>2400</u>
	Coordinate system	(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>100</u>
	Assumed duration (days)	(120)	<input checked="" type="checkbox"/> <u>90</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 Sync (Leave unchecked for master ADV check for Slaves) _____

Start on Sync _____

Sample on Sync _____

Assumed duration (days) (120) 90

Battery Utilization 94

Memory Required 524.4

Vertical Velocity Range(1 m/s) 1

Horizontal Velocity Range (3.5 m/s) 3.5

Set Clock

Deployment (ex. DEC12M) DEC3 M

Start date (7/26/07) 12/16/13

Start time (12:50:00) 08:00:00 AM

08:00:00 AM (**Start slaves for 10 secs before master)

Retrieval Date _____ Time _____

Nortek ADV Deployment Setup

Date 12-9-13

Location Clay Bank (Tower)
 Other _____

cmab 332

Tower Location slave1

- Sensor
- VCH4856 (Head) & VEC9685 (Hardware) V21967
 - VCH4844 (Head) & VEC9679 (Hardware) V21966
 - VCH4854 (Head) & VEC9699 (Hardware) V21968 *slave 1*
 - 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 11.7 / 11.7

Reformat memory card _____ free space

Calibration date 12-9-13 filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx 0.213
 dy _____

Magnetometer: Mx -3.39
 My -2.01
 My -8.04

Tilt: Heading 210.6
 Pitch -5.3
 Roll 5.2

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)	<u>2</u>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(1200) 2400	<u>2400</u>
	Coordinate system	(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>90</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 Sync (Leave unchecked for master ADV check for Slaves) _____
 Start on Sync _____
 Sample on Sync _____
 Assumed duration (days) (120) 90
 Battery Utilization 94
 Memory Required 524.4
 Vertical Velocity Range (1 m/s) ✓
 Horizontal Velocity Range (3.5 m/s) ✓

Set Clock

Deployment (ex. DEC12M) DEC381
 Start date (7/26/07) 12/16/07
 Start time (12:50:00) 8:00:00 AM (**Start slaves for 10 secs before master)

Retrieval Date _____ Time _____

Nortek ADV Deployment Setup

Date 12-9-13

Location Clay Bank (Tower)
 Other _____

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Tower Location Slave 2

Sensor VCH4856 (Head) & VEC9685 (Hardware) V21967 Slave 2
 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 11.75 / 11.70

Reformat memory card _____ free space

Calibration date 12-9-13 filename _____

Calibrate Pressure Sensor
 Compass Calibration: offsets: dx -0.136
dy 0.224

Magnetometer: Mx -4.27
My -0.03
My -9.14

Tilt: Heading 179.7
Pitch -10.5
Roll -2.2

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	(± 1.00m/s)	<u>12</u>
	Burst Interval	(900)	<input checked="" type="checkbox"/>
	Samples/burst	(1200)	<u>2400</u>
	Coordinate system	(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)	<u>330</u>
	Assumed duration (days)	(120)	<u>90</u>

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"/>

Nortek ADV Deployment Setup

Date 12-9-13

Location Clay Bank (Tower)
 Other _____

cmab 129

Tower Location Slave 3

Sensor VCH4856 (Head) & VEC9685 (Hardware) V21967
 VCH4844 (Head) & VEC9679 (Hardware) V21966
 VCH4854 (Head) & VEC9699 (Hardware) V21968
 VCH4493 (Head) & VEC9697 (Hardware) V20113 Slave 3
 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 11.73 / 11.73

Reformat memory card _____ free space

Calibration date _____ filename _____

Calibrate Pressure Sensor

Compass Calibration: offsets: dx -0.131
dy 0.201

Magnetometer: Mx 3.08
My 3.09
Mz -8.05

Tilt: Heading 45.1
Pitch -7.2
Roll -8.9

Degree Error: 1.5

Master

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

Standard	Sample rate	(16 Hz)	<u>✓</u>
	Nominal Velrange	(±1.00m/s)	<u>2</u>
	Burst Interval	(900)	<u>✓</u>
	Samples/burst	(1200)	<u>2400</u>
	Coordinate system	(XYZ)	<u>✓</u>
	Salinity (measured)	(15)	<u>✓</u>
	Geography	(open ocean)	<u>✓</u>
	Battery pack	(Other, See help)	<u>Lithium</u>
	Battery Capacity	(540)	<u>330</u>
	Assumed duration (days)	(120)	<u>10</u>
	<input type="checkbox"/> Use Advanced Settings		

Advanced	Sample volume	(14.9 mm)	<u>✓</u>
	Transit length	(4.0 mm)	<u>✓</u>
	Power level	(HIGH)	<u>✓</u>

Output Sync (For Vector) _____
 Input Sync (Leave unchecked for master ADV check for Slaves) _____
 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) _____

90
 94
 524.4
 ✓
 ✓

Set Clock

Deployment (ex. DEC12M) DEC3S3
 Start date (7/26/07) 12/16/13
 Start time (12:50:00) 8:00:00AM (**Start slaves for 10 secs before master)

Retrieval Date _____ Time _____

HOBO Deployment Setup

Date 12-17-13

Location

- ClayBank Tower
- ClayBank Tripod
- Other _____

cmab 118

Sensor

- SN 9945142
- SN 10075264
- SN 10075265 *love 3*
- 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 9.00
 Memory used 0.1

- Set Clock
- Reformat memory card _____ free space

HOBO Set-Up

Description (Enter file name-ex M1_MAR12): 05-DEC13

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) 12/16/13 9:00:00 AM

Retrieval Date _____ Time _____

HOBO Deployment Setup

Date 12-9-13

Location

- ClayBank Tower
- ClayBank Tripod
- Other _____

cmab 217.5

Sensor

- SN 9945142
- SN 10075264
- SN 10075265
- SN 10075266 *slave 2*
- 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 0%

Set Clock

Reformat memory card _____ free space

HOBO Set-Up

Description (Enter file name-ex M1_MAR12): Colo Dec 13

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) 12/16/13 8:00:00 AM

Retrieval Date _____ Time _____