

RDI ADCP Survey – Instrument Setup

Date: 4/21/05 20

Site: Yorktown Beach

- Serial number 602
- VIMS number 15438

Vessel/Mounting Style: bow

Evaluate If > 5° magnetic variation, calibrate

3.0°

Evaluation/Calibration (circle one)	
Overall error: _____	
<u>Detailed Error Summary</u>	
Single cycle error: _____	Orientation: Down
Double cycle error: _____	Average pitch: _____
Largest double plus single cycle error _____	Average roll: _____
RMS of 3 rd order + higher + random error _____	Pitch stand dev.: _____
	Roll stand dev.: _____

Setup dialog: (sections below)

1. Site information: Station Name: _____
2. Rating Information (skip)
3. Configuration dialog

<input checked="" type="checkbox"/> Ext. GPS Connected	Max Water Depth (m) 4.0 <u>7.0</u>
	Secondary Depth (m) <u>5.0</u>
	Max Water Speed (m/s) (0.5) <input checked="" type="checkbox"/>
	Max Boat Speed (m/s) (0.5) <input checked="" type="checkbox"/>
Transducer Depth (m) (0.1) <input checked="" type="checkbox"/>	Streambed: <u>silt</u>
Mag. Variation: <u>3.0</u>	Bottom Mode: (Auto) <input checked="" type="checkbox"/>
***** <input checked="" type="checkbox"/> Water Mode: Mode 12 Custom (click) ↓	

4. Output filename options

Filename Prefix: _____
Output Directory: C://1200kHzADCP/

Bin size (m) (0.10) <u>0.15</u>
<input checked="" type="checkbox"/> Compute (click)
** This may give an error/warning message. That's okay

5. Commands Preview WM12 is on the list
6. Summary
7. Water Mode: 5
- Bottom Mode: 5
- Update Rate: 1.0
- Bin Size (cm): 15
- Number of Bins: 56

Mode 12
Subpings: <u>16</u>
Time between subpings (ms): <u>4</u>
Time per ensemble: <u>1.4</u>

Set Clock