

RDI ADCP Survey – Instrument Setup

Date: 5/22/19
Site: CLAY BANK
Vessel/Mounting Style: R/V P. 210.1

Serial number 602
 VIMS number 15438

Evaluate If > 5° magnetic variation, calibrate

| | |
|---|-------------------------------|
| Evaluation/Calibration (circle one) | |
| Overall error: <u>3.4</u> | |
| <u>Detailed Error Summary</u> | |
| Single cycle error: <u>3.03</u> | Orientation: Down |
| Double cycle error: <u>1.25</u> | Average pitch: <u>2.68</u> |
| Largest double plus single cycle error: <u>4.28</u> | Average roll: <u>-0.76</u> |
| RMS of 3 rd order + higher + random error: <u>1.27</u> | Pitch stand dev.: <u>0.71</u> |
| | Roll stand dev.: <u>0.74</u> |

Setup dialog: (sections below)

1. Site information: Station Name: YK190522
2. Rating Information (skip)
3. Configuration dialog

Ext. GPS Connected

Max Water Depth (m) 8.0

Secondary Depth (m) 4.0

Max Water Speed (m/s) (0.5) ✓

Max Boat Speed (m/s) (0.5) ✓

Transducer Depth (m) (0.1) ✓

Streambed: MUD

Mag. Variation: 3.4

Bottom Mode: (Auto) ✓

***** Water Mode: Mode 12 Custom (click) ↓

4. Output filename options

Filename Prefix: YK190522

Output Directory: C://1200kHzADCP/
YK190522

| |
|--|
| 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 W12 is on the list

6. Summary

7. Water Mode: 12

Bottom Mode: 5

Update Rate: 1.0

Bin Size (cm): 15

Number of Bins 56

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

Set Clock