

RDI ADCP Survey - Instrument Setup

Date: 7/9/18
Site: PODAN Fields Creek York Ave Serial number 602
Vessel/Mounting Style: R/V P.N. tail VIMS number 15438

Evaluate If > 5° magnetic variation, calibrate

Evaluation/Calibration (circle one)	
Overall error: <u>1.6°</u>	
<u>Detailed Error Summary</u>	
Single cycle error: <u>1.22</u>	Orientation: Down
Double cycle error: <u>0.7</u>	Average pitch: <u>2.46</u>
Largest double plus single cycle error: <u>1.93</u>	Average roll: <u>2.15</u>
RMS of 3 rd order + higher + random error: <u>1.43</u>	Pitch stand dev.: <u>0.72</u>
	Roll stand dev.: <u>0.80</u>

Setup dialog: (sections below)

1. Site information: Station Name: YK190709
2. Rating Information (skip)
3. Configuration dialog

Ext. GPS Connected
Max Water Depth (m) 5
Secondary Depth (m) 1
Max Water Speed (m/s) (0.5)
Max Boat Speed (m/s) (0.5)
Transducer Depth (m) (0.1)
Streambed: MUD
Mag. Variation: 1.6
Bottom Mode: (Auto)
***** Water Mode: Mode 12 Custom (click) ↓

4. Output filename options

Filename Prefix: YK190709.2
Output Directory: C://1200kHzADCP/
YK190709

Bin size (m) (0.10) <input checked="" type="checkbox"/>
<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 12
Bottom Mode: 5
Update Rate: 1.0
Bin Size (cm): 20
Number of Bins: 60

Mode 12
Subpings: <u>15</u>
Time between subpings (ms): <u>4</u>
Time per ensemble: <u>1.5</u>

Set Clock

Cruise YK 90709 FO8m R2105 CRUK NOF BRKT 005 Date 7/9/19
 Project/Site/Vessel VT/SEADP 4/V P. Sta. 1 SEADP

Station	Desc	Start Time (EST)	From ADCP		Total Depth (m)	ADCP Filename	CTD	LISST	ADV	From CTD			End Time (EST)	PICS filenames
			Latitude (deg)	Longitude (deg)						TSS Sample Name	Sample Depth (m)	Sample Time (EST)		
69705	NOF TMS005	15:28:35	32.4600	3.35	00									
69705	NOF TMS005	15:28:48	32.5128	3.095	000									
69705	Downshot ①	15:29:35	32.3894	8.125	000									
69706	Coaker	15:29:215	32.4443	3.327	001									
69707	Upshot ①	15:29:16	32.3882	7.092	002									
69708	Downshot ②	15:28:83	32.4360	3.667	003									
69709	Upshot ②	15:29:186	32.3873	6.405	004									
69710	Upshot	15:29:174	32.4667	4.603	005									
		15:28:03	32.3705											
69711	Shot	15:26:350	32.3305											
	END	15:26:199	32.4092											
69712	Shot	15:26:53	32.4108											
	END	15:26:373	32.3886											
69713	START	15:26:379	32.3883	16.9 FT										
	END	15:24:54	32.4068											
69714	Start	15:26:466	32.4072	13.0 FT										
	END	15:26:306	32.3842											
69715	Start	15:26:340	32.3918	14.1 FT										
	END	15:26:188	32.4407											

Comments: NOF WIND CROSS RIVER.

Cruise

Project/Site/Vessel

Date

From ADCP

From CTD

Station	Desc	Start Time (EST)	Latitude		Longitude		Total Depth (m)	ADCP Filename	CTD	LISST	ADV	TSS Sample Name	Sample Depth (m)		Sample Time (EST)	End Time (EST)	PLCS filenames
			deg	(min)	deg	(min)							(m)	(EST)			
1876		851	26	03	54	51	14.4		7	SA-2	AS	340	3	30			
		857	26	37	53	15											
1872		858	26	39	53	13	16.6 FT		8	SA-2	AS	41					
		902	24	50	59	00											

Comments:
