

Data Processing Raw ADCP Data Vessel

SOCIB-Data Center Facility

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1. INTRODUCTION:

The aim of this document is to describe a standardized procedure to conduct the data pre-processing from the SOCIB R/V ADCP profiles using WinADCP software.

This procedure is applicable to the following SOCIB instruments:

• SCB-RDi001. sn 1878

2. RELATED DOCUMENTS

- Processing configuration
- SOP_RVF_VMADCP_data-processing-process-configuration

3. REQUIRED FEATURES

- Desktop or laptop.
- Internet connection.
- Vessel home access.
- Windows Operating System.
- Teledyne WinADCP software.

4. PROCEDURE DEVELOPMENT

4.1. SOFTWARE INSTALLATION

• Open RDI Teledyne website and navigate through support > software/firmware section.

You can use this link: http://www.rdinstruments.com/support/software-firmware





- Log in using your RDI account that you must have previously created.
- Download the last version from WinADCP for windows.

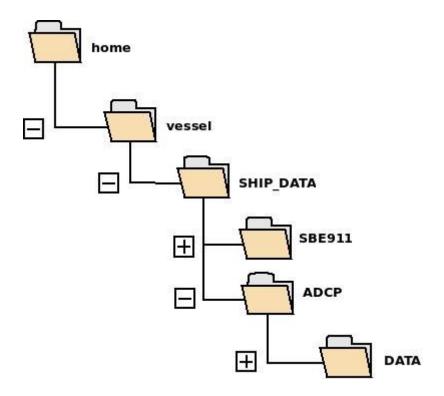


• Install software following the instructions provided by the wizard.

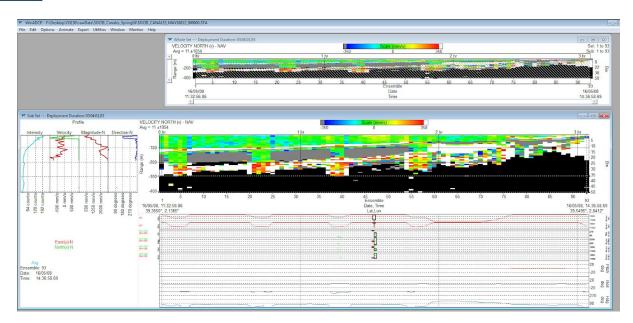


4.2. DATA CONVERSION

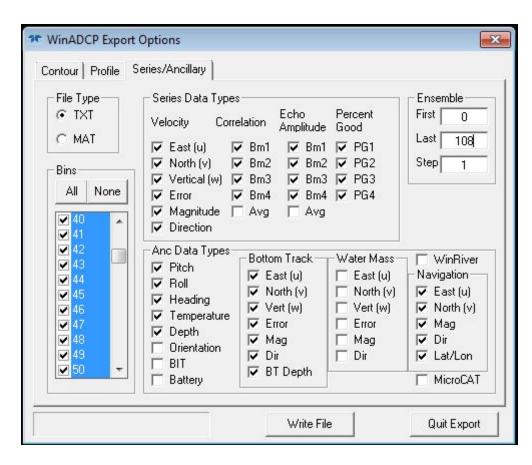
- Open WinADCP software.
- Open the first STA file from your cruise directory within the DATA folder through the menu file > open.







 Export the file to .txt through the menu export. Set the Export options as in the following figure:



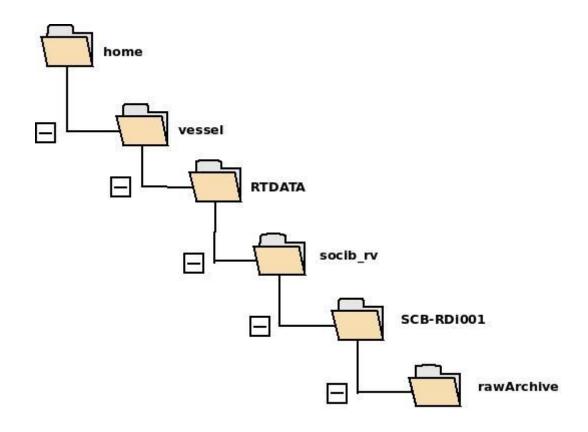


NOTE: Remember to to select All bins and set the Last Ensemble according to the number of ensembles provided by the dataset.

- Click Write File and store the output file within a new folder created in the rawArchive directory specified in Data Storage section.
- Repeat the same process for all the datasets contained in the cruise directory.

4.3. DATA STORAGE

• All the txt files will be stored in a new folder created within the rawArchive directory specified in the following route:



The nomenclature must follow the following example:
 SOCIB_ENL_CANALES_JUL2016_SCB-RDi001