

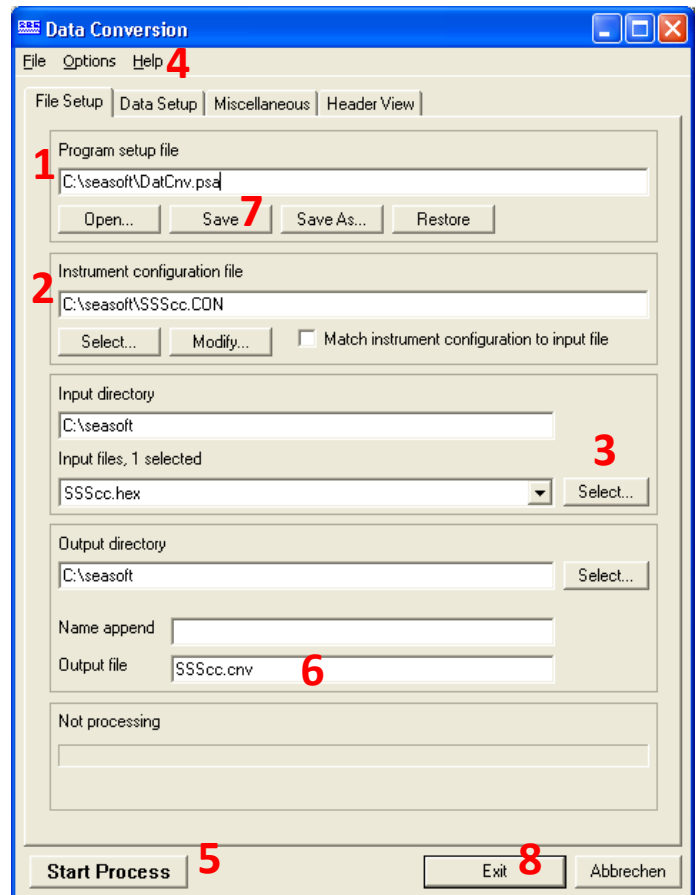
SBEDataProcessing Screen-Shots

Follow this chain of actions for each step.

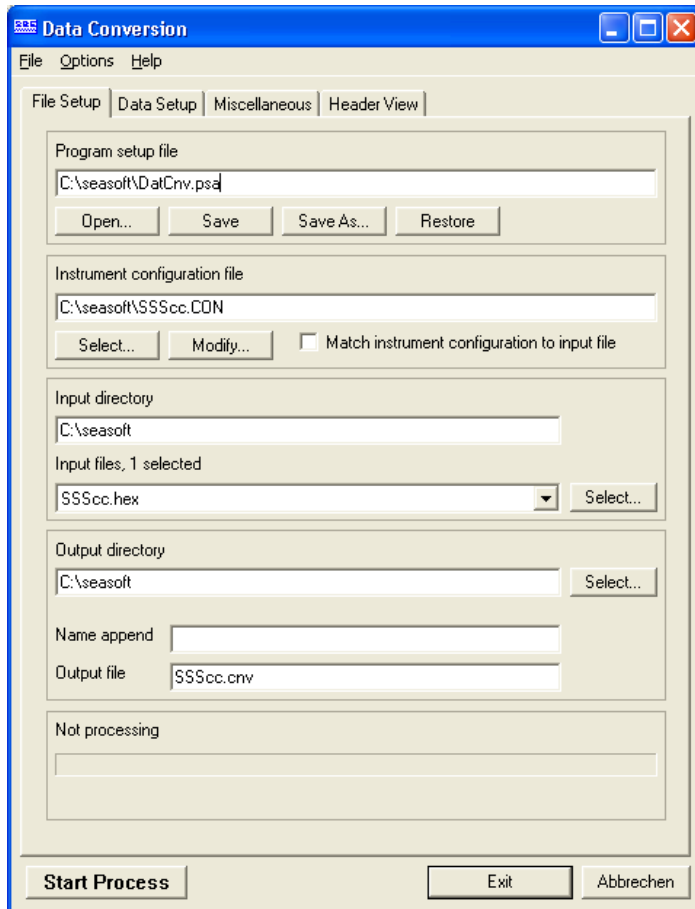
Example: DATCNV:

The "SSSc.con" stands for Station and cast name

- 1 C:\seasoft\daticnv.psa
- 2 Select *.con bzw. *.xmlcon
- 3 Select *.hex
- 4 Data Setup: check or edit if necessary
- 5 Start Process
- 6 Afterwards Clear the field "Output file"
- 7 Save
- 8 Exit



1. DATCNV



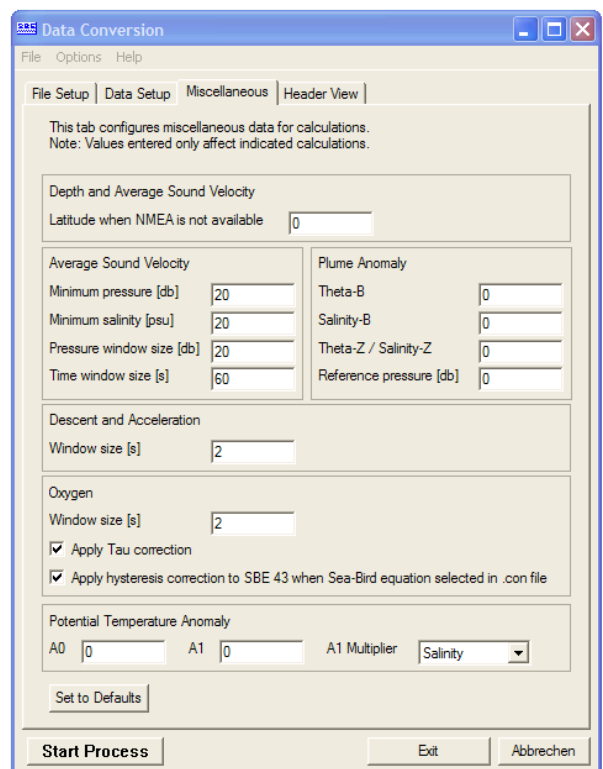
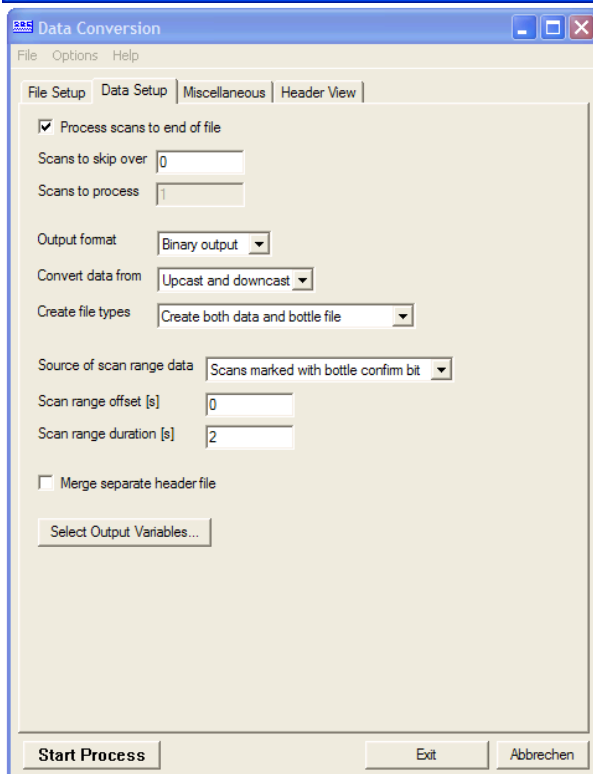
Select the right paths to your files

Go to “Data Setup” and check "Select Output Variables" to be consistent with the CTD configuration

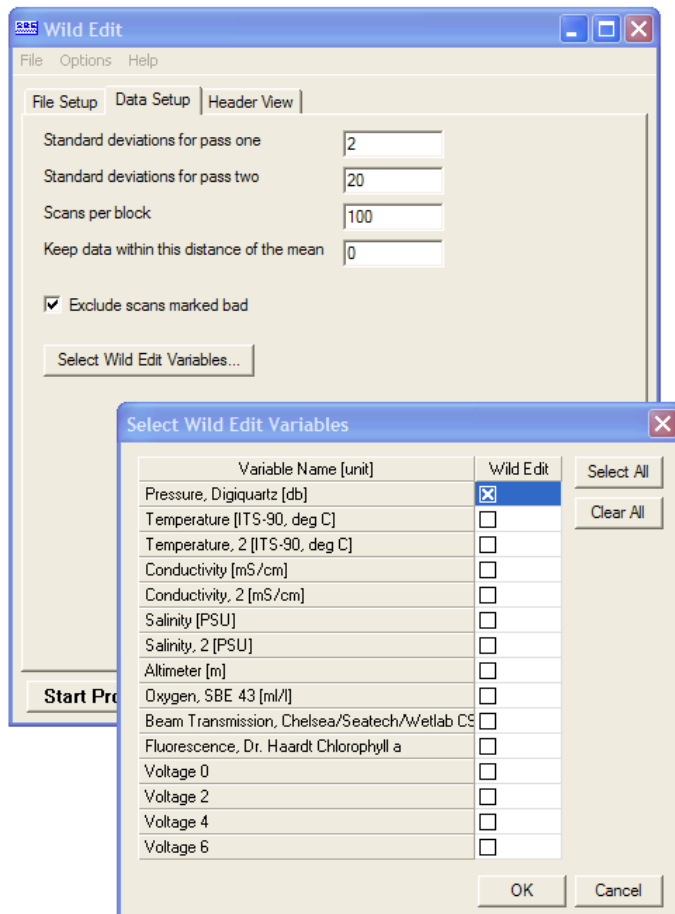
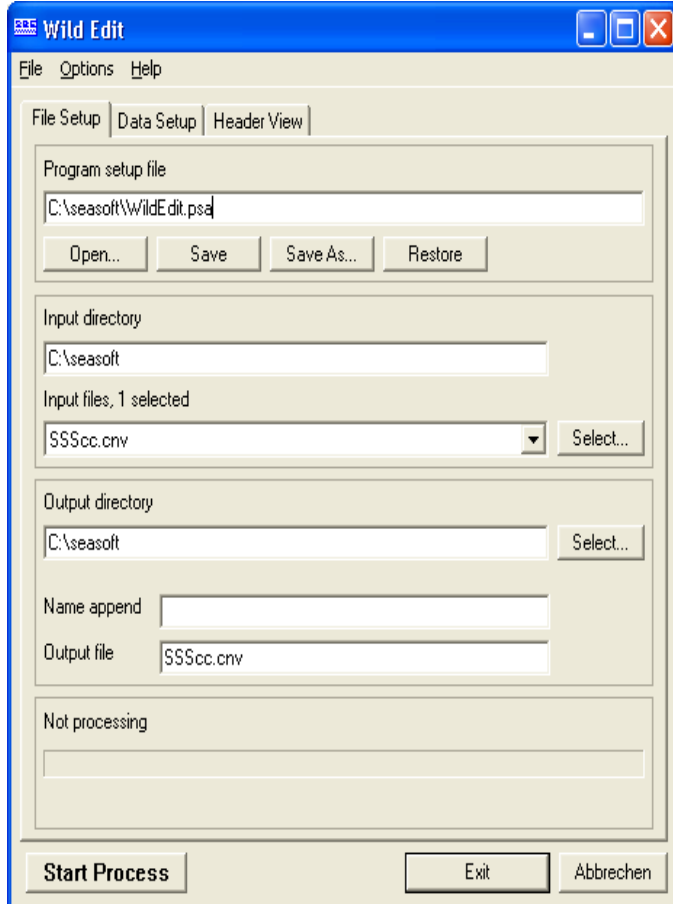
Now click “Start process”

Clear the field “Output file”

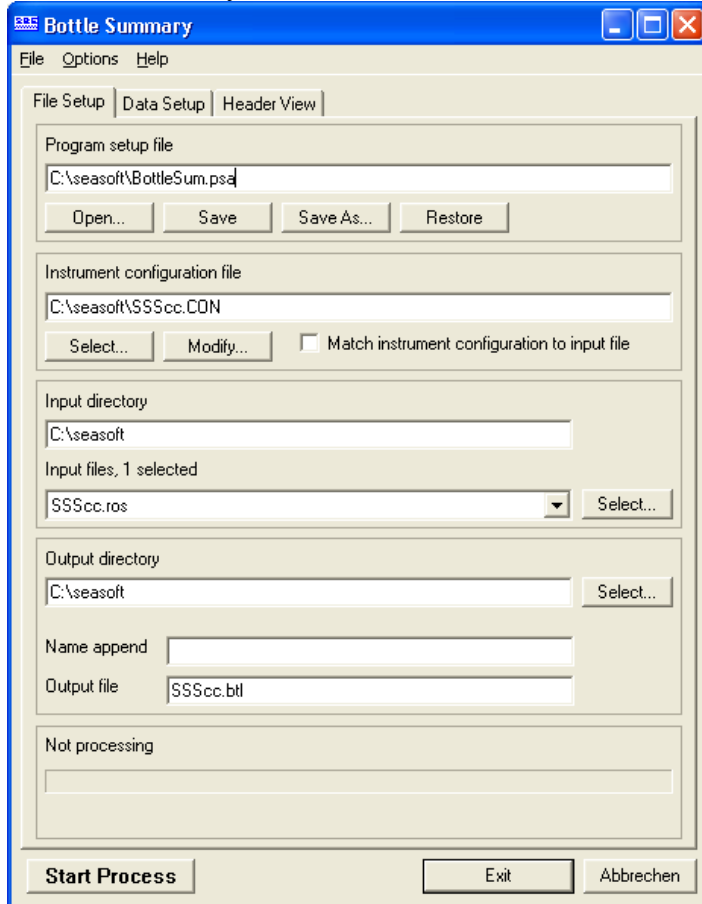
And Save



2. WILDEDIT

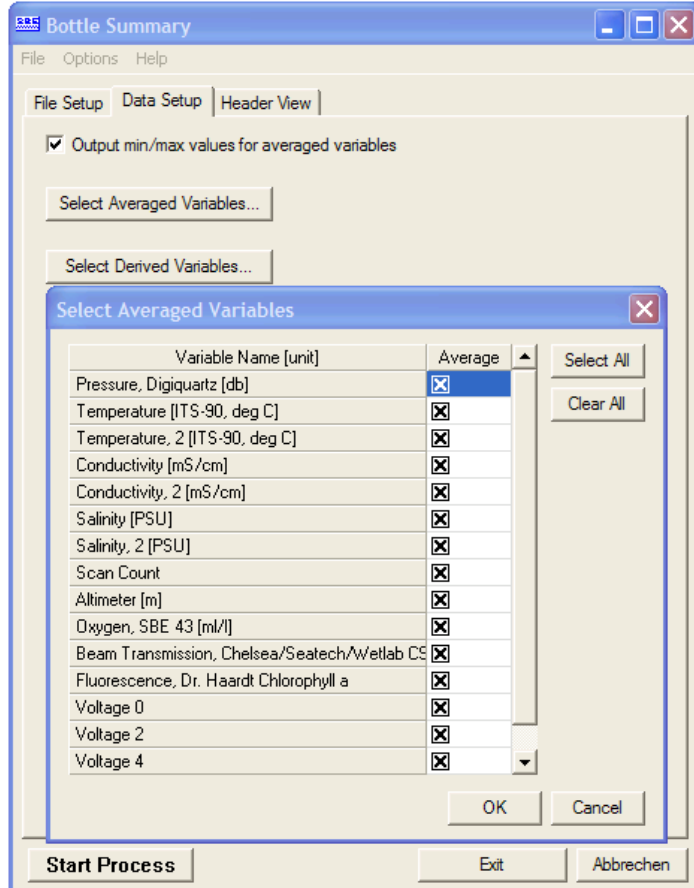


3. BottleSummary

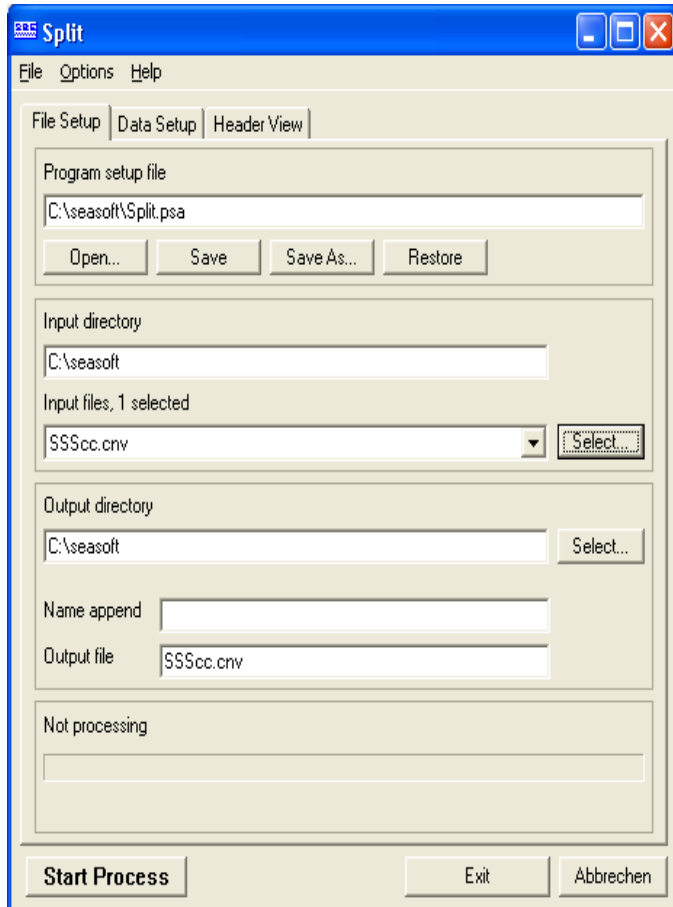


Bottle Summary creates a file containing the bottle data

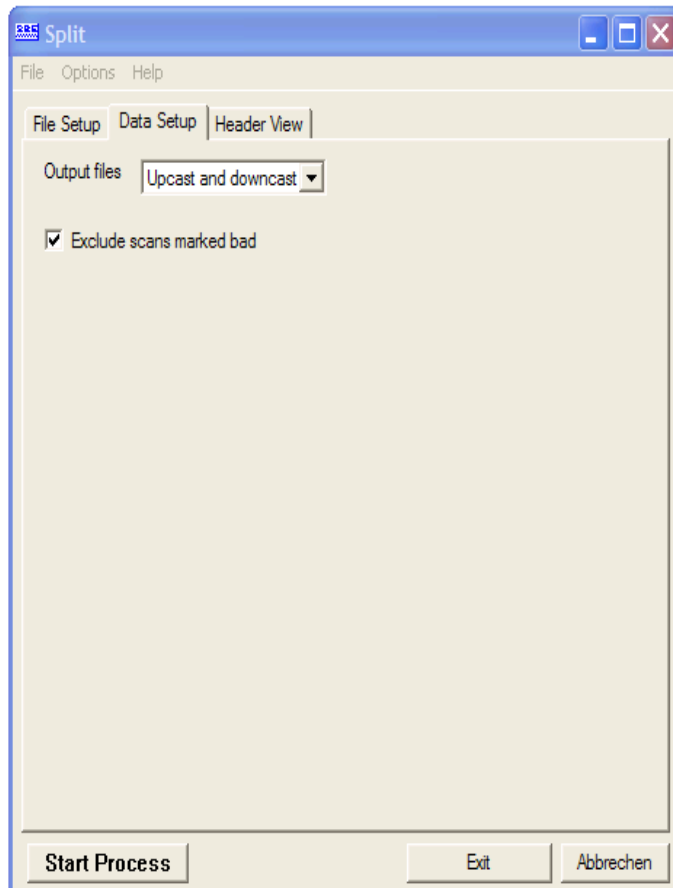
The "Selected Averaged Variables" must be consistent with the CTD configuration



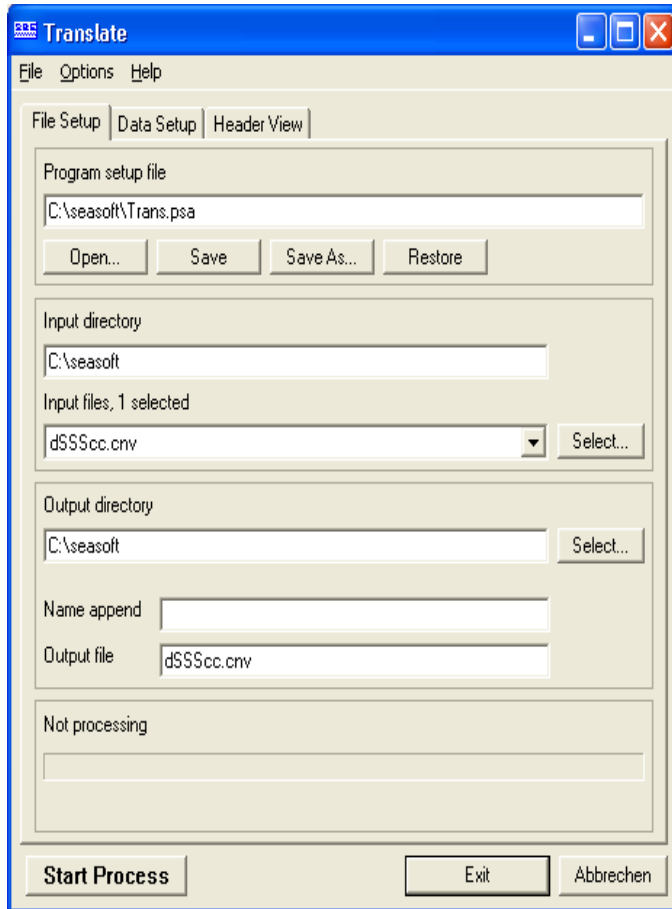
4. SPLIT



SPLIT divides the cast data in two files, the upcast - uSSSc.cnv and the downcast - dSSSc.cnv



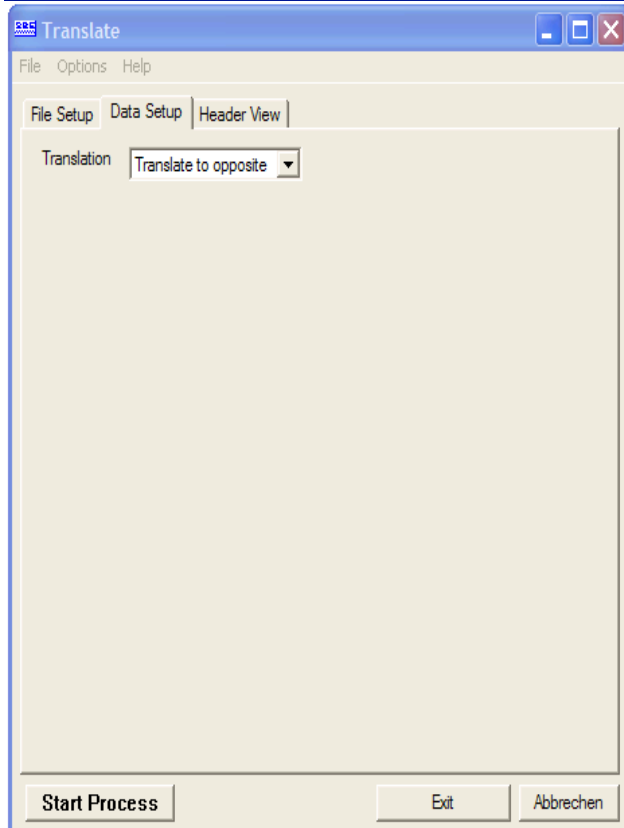
5. + 6. TRANS



Just the downcast is important for the post-processing

TRANS converts data from BIN to ASCII

TRANS needs to be **run twice** (as described in the check list) due to some formatting issues.



7. CELLTM

The screenshot shows the 'Cell Thermal Mass' software window with the 'File Setup' tab selected. The interface includes a menu bar with 'File', 'Options', and 'Help'. Below the menu bar are three tabs: 'File Setup', 'Data Setup', and 'Header View'. The 'File Setup' section contains several input fields and buttons:

- Program setup file:** A text box containing 'C:\seasoft\CellTM.psa' with buttons for 'Open...', 'Save', 'Save As...', and 'Restore' below it.
- Input directory:** A text box containing 'C:\seasoft'.
- Input files, 1 selected:** A dropdown menu showing 'dSSSc.cnv' and a 'Select...' button.
- Output directory:** A text box containing 'C:\seasoft' and a 'Select...' button.
- Name append:** An empty text box.
- Output file:** A text box containing 'dSSSc.cnv'.
- Not processing:** A section with an empty text box.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.

The screenshot shows the 'Cell Thermal Mass' software window with the 'Data Setup' tab selected. The interface includes a menu bar with 'File', 'Options', and 'Help'. Below the menu bar are three tabs: 'File Setup', 'Data Setup', and 'Header View'. The 'Data Setup' section contains several input fields and checkboxes:

- Correct primary conductivity values:** A checked checkbox.
- Temperature sensor to use:** A dropdown menu set to 'Primary'.
- Thermal anomaly amplitude [alpha]:** A text box containing '0.03'.
- Thermal anomaly time constant [1/beta]:** A text box containing '7'.
- Correct secondary conductivity values:** A checked checkbox.
- Temperature sensor to use:** A dropdown menu set to 'Secondary'.
- Thermal anomaly amplitude [alpha]:** A text box containing '0.03'.
- Thermal anomaly time constant [1/beta]:** A text box containing '7'.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.

8. LOOPEDIT

The screenshot shows the 'Loop Edit' application window with the 'File Setup' tab selected. The window title is 'Loop Edit' and it has a menu bar with 'File', 'Options', and 'Help'. The 'File Setup' tab contains several sections:

- Program setup file:** A text box containing 'C:\seasoft\LoopEdit.psa' with buttons for 'Open...', 'Save', 'Save As...', and 'Restore'.
- Input directory:** A text box containing 'C:\seasoft'.
- Input files, 1 selected:** A dropdown menu showing 'dSSSc.cnv' and a 'Select...' button.
- Output directory:** A text box containing 'C:\seasoft' and a 'Select...' button.
- Name append:** An empty text box.
- Output file:** A text box containing 'dSSSc.cnv'.
- Not processing:** An empty text box.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.

The screenshot shows the 'Loop Edit' application window with the 'Data Setup' tab selected. The window title is 'Loop Edit' and it has a menu bar with 'File', 'Options', and 'Help'. The 'Data Setup' tab contains several sections:

- Minimum velocity type:** A dropdown menu set to 'Fixed minimum velocity'.
- Minimum CTD velocity [m/s]:** A text box containing '0'.
- Window size [s]:** A text box containing '300'.
- Percent of mean speed:** A text box containing '20'.
- Remove surface soak:** An unchecked checkbox.
- Surface soak depth [m]:** A text box containing '10'.
- Minimum soak depth [m] (default = soak depth / 2):** A text box containing '5'.
- Maximum soak depth [m] (default = soak depth * 2):** A text box containing '20'.
- Use deck pressure as pressure offset:** An unchecked checkbox.
- Exclude scans marked bad:** A checked checkbox.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.

9. BINA VG

The screenshot shows the 'Bin Average' software window with the 'File Setup' tab selected. The window title is 'Bin Average'. The menu bar includes 'File', 'Options', and 'Help'. The 'File Setup' tab contains the following fields and controls:

- Program setup file:** A text box containing 'C:\seasoft\BinAvg.psa' with buttons for 'Open...', 'Save', 'Save As...', and 'Restore' below it.
- Input directory:** A text box containing 'C:\seasoft'.
- Input files, 0 selected:** A dropdown menu showing 'dSSSc.cmv' and a 'Select...' button.
- Output directory:** A text box containing 'C:\seasoft' and a 'Select...' button.
- Name append:** An empty text box.
- Not processing:** An empty text box.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.

The screenshot shows the 'Bin Average' software window with the 'Header View' tab selected. The window title is 'Bin Average'. The menu bar includes 'File', 'Options', and 'Help'. The 'Header View' tab contains the following fields and controls:

- Bin type:** A dropdown menu set to 'Pressure'.
- Bin size:** A text box containing '1'.
- Include number of scans per bin**
- Exclude scans marked bad**
- Scans to skip over:** A text box containing '0'.
- Cast to process:** A dropdown menu set to 'Downcast'.
- Include surface bin**
- Surface bin minimum value:** A text box containing '0'.
- Surface bin maximum value:** A text box containing '0'.
- Surface bin value:** A text box containing '0'.

At the bottom of the window are three buttons: 'Start Process', 'Exit', and 'Abbrechen'.