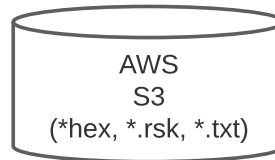


# CTD Profile Data Processing



Unprocessed CTD  
Profile Database

## Seabird Data Processing SBEDataProcessingTool

Serial Number and  
date specific  
Processing Step  
\*.PSA

Apply Standard Seabird  
Processing Steps  
with SBE Data Processing  
Software

filter\_{SN}\_{start\_date}.PSA

Filter

align\_{SN}\_{start\_date}.PSA

Alignment

thermal\_{SN}\_{start\_date}.PSA

Thermal Mass Correction

loop\_{SN}\_{start\_date}.PSA

Loop Edit

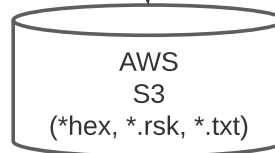
filter\_{SN}\_{start\_date}.PSA

Derive Variables

bin\_{SN}\_{start\_date}.PSA

Pressure Bin Averaged

bin\_\*.cnv



## RBR Data Processing (MatLab RSKTool)

RBR

Transform Unprocessed Data to RSKTool Compatible Format

Convert Raw values to engineering formats

Remove Atmospheric pressure from pressure data

Detect Zero-hold values and interpolate over

Derive Depth and profiling speed

Filter Temperature and Conductivity

Align: Conductivity, Dissolved oxygen and Auxillary sensors

Derive Ocean Variables

Seperate down/up cast sections

Loop Edit

Bin Average

Processed CTD  
Data