Aug 22 2018

General Changes to scripts:

3 basepaths instead of 1

Importing regions into new EV files

Change to template:

Put Sv 38 raw pings T2 as associated with 38 kHz instead of 120 kHz

Associated Sv raw pings T2 with 38 kHz transducer

Doesn’t look like the euphausiid variables (Euphau 120 kHz\_120-38 or CHU export hz120) is successfully pulling out euphausiids:

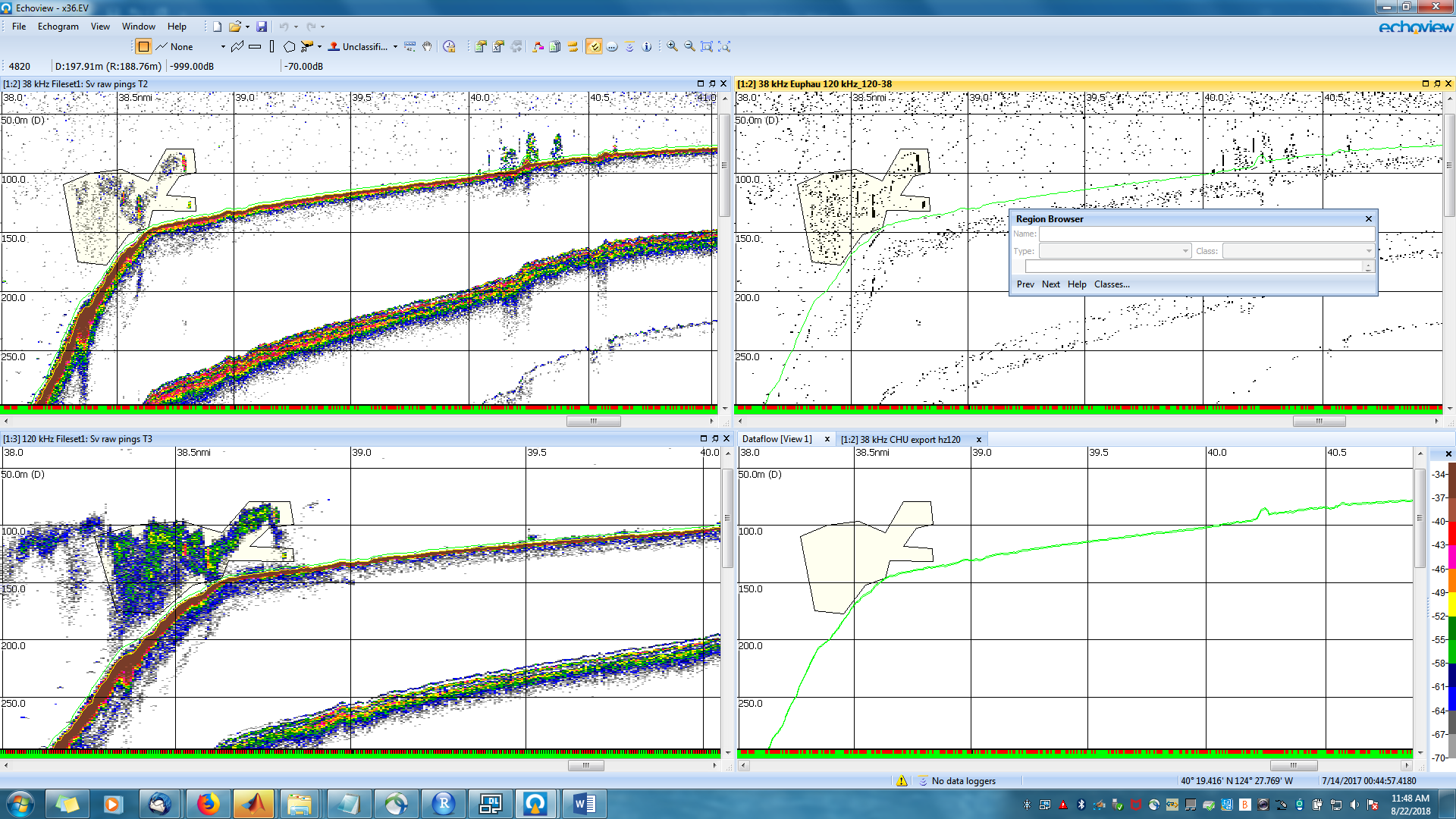


Fig. 1: X36 “plankton” region21

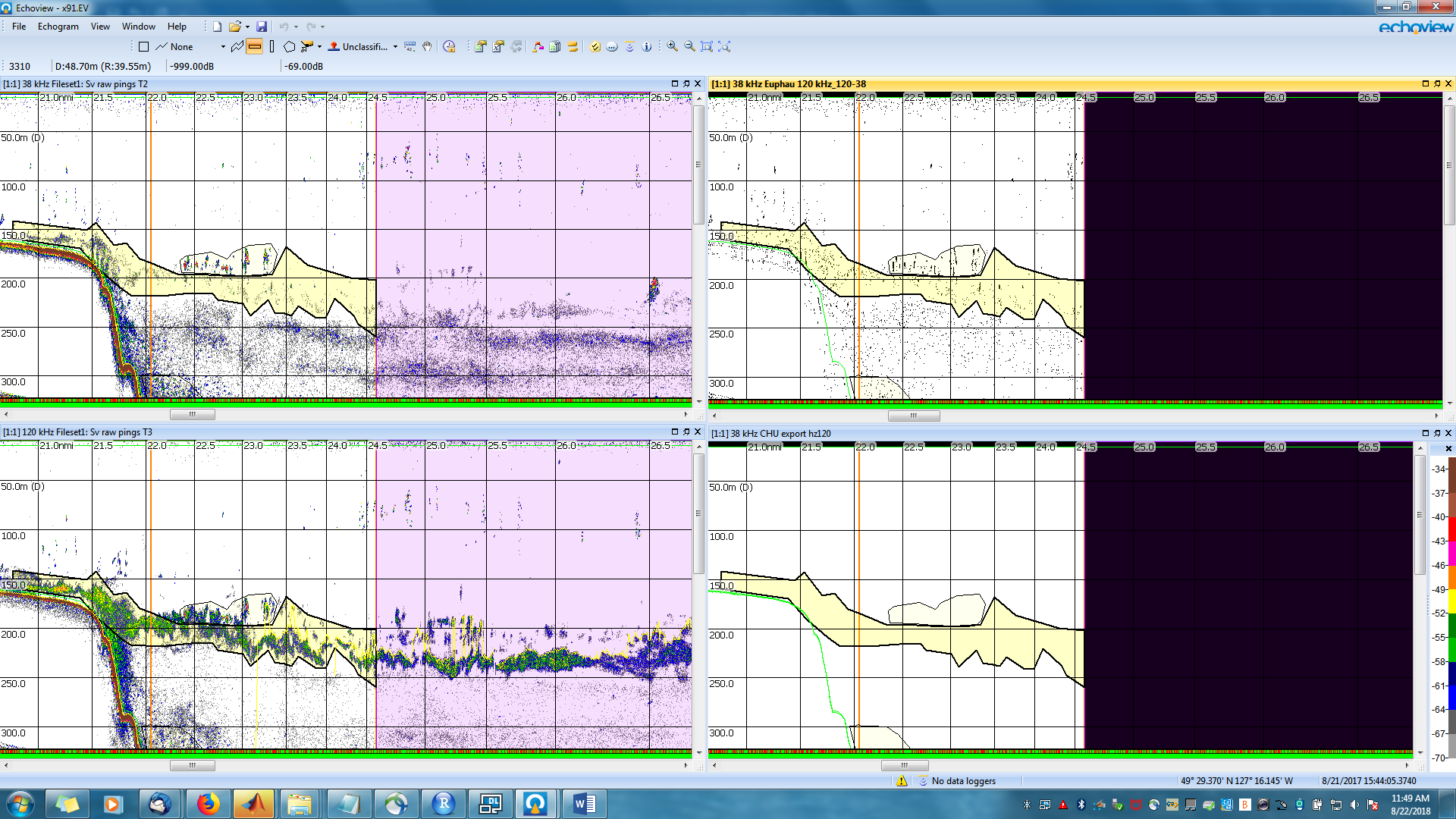


Fig. 2: X91, region 14

Okay, looks like the variable that starts the processed data process for 120 kHz is coming from T2, not T3.

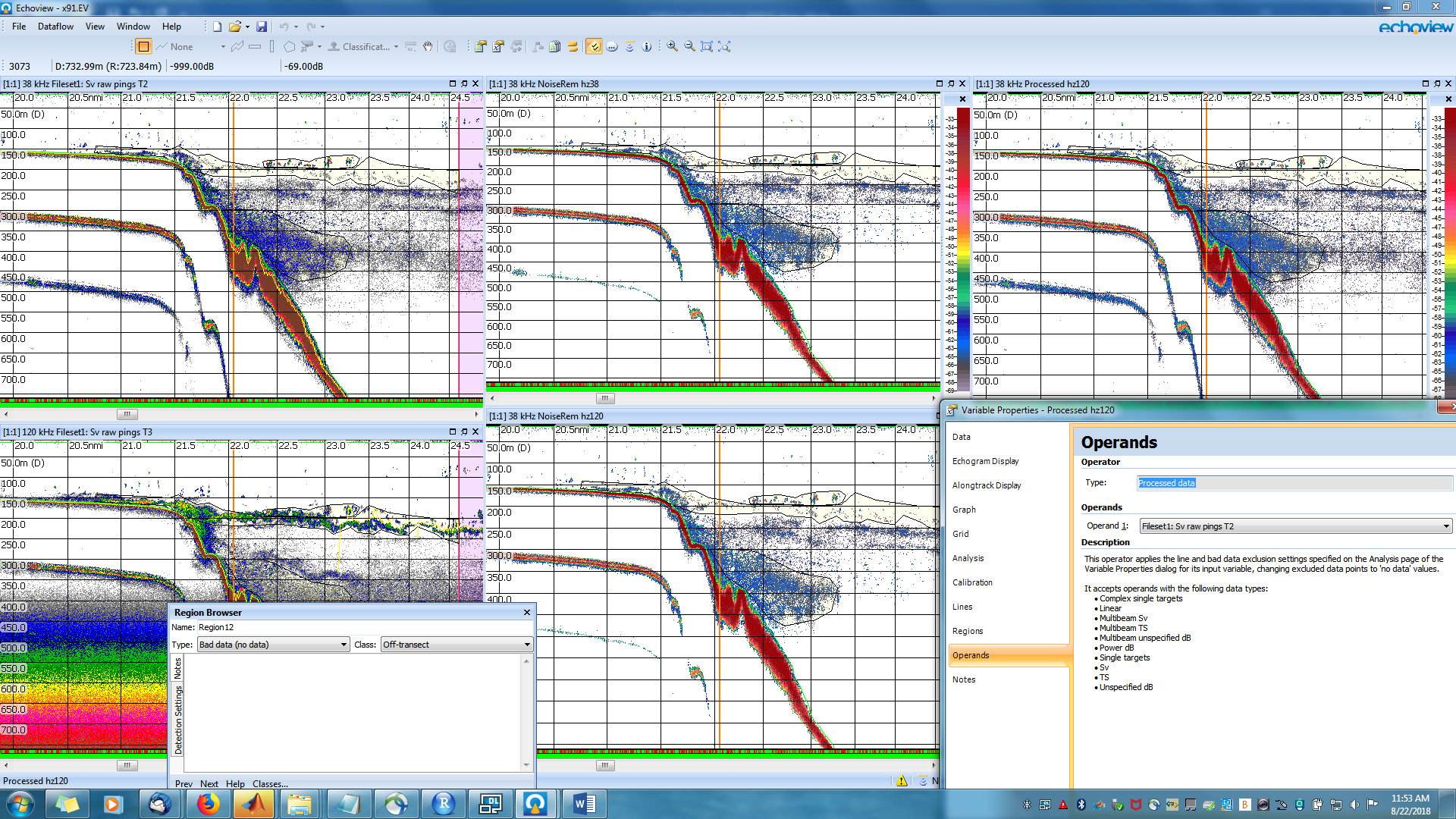


Fig. 3: X91, region 14

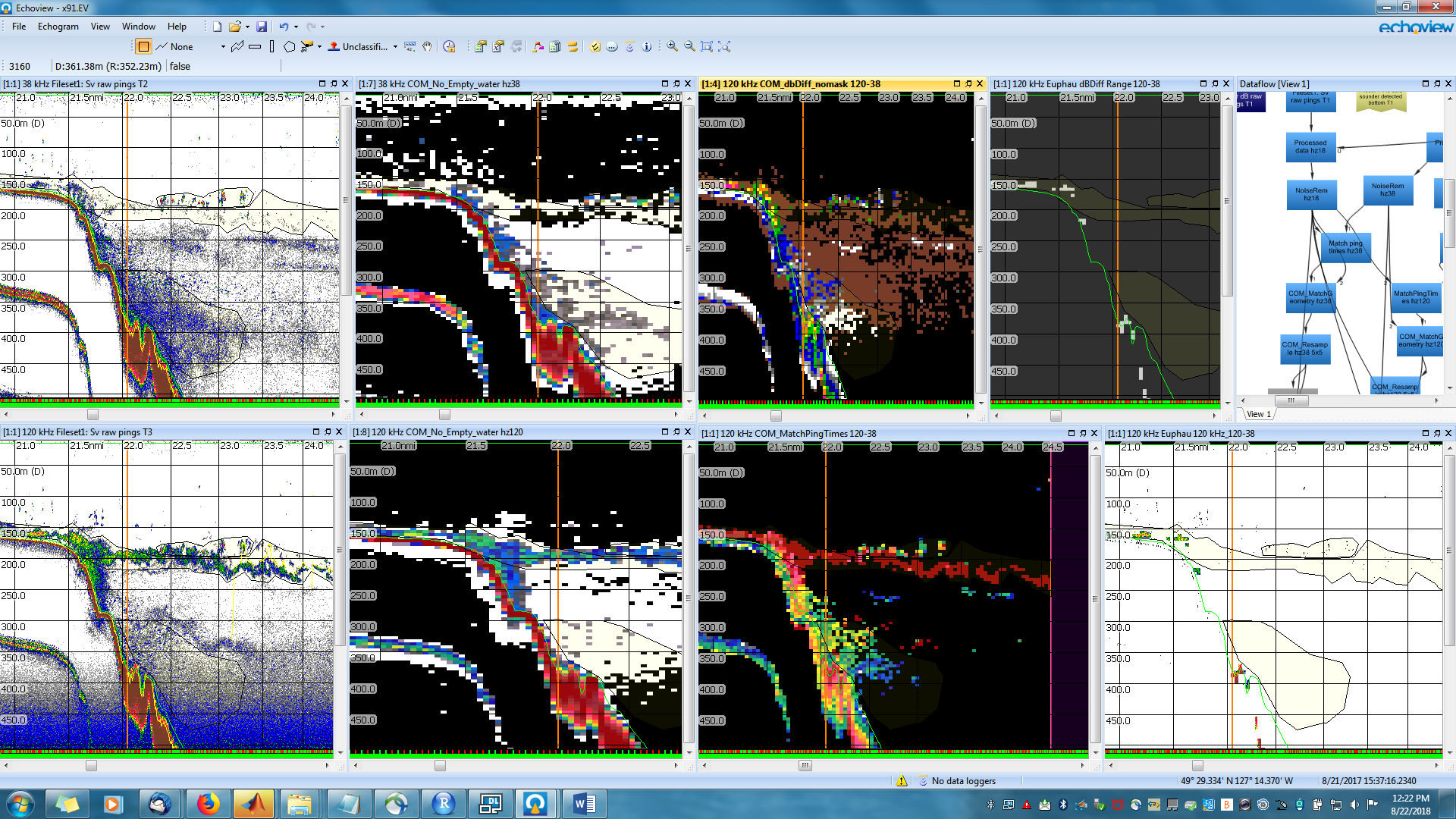


Fig. : x91, region 14

However, after fixing that, we still don’t get euphausiid coming out in the euphausiid variable. Looking back through the variable tree, I can see that although it looks like you can see euphausiids coming through as red near the end of the chain, they are actually -999. What looks like is going on is way back at the beginning when the dB difference is done, there is -999 in the 38 kHz Sv, so when the 38kHz is subtracted from the 120 kHz, it gives -999. There is thresholding in the 38 kHz processed data, which gives -999 for less than -70 dB. I don’t know the algorithm well enough to know how to solve the problem – perhaps by changing the threshold, but I don’t know.