-19db

File 1: Finds peaks near source but it doesn’t pick it

File 2: Sometimes peaks near source, other times not there. Never picks a point near by.

File 3: Sometimes peaks near source, other times not there. Never picks a point near by.

File 4: Sometimes peaks near source, other times not there. Never picks a point near by. Sometimes picks peak further away from source.

File 5: A lot of peaks near the source but doesn’t pick it

**Run on all 5 files with filters**

File 1: Very effective

File 2: Drifts away near the end

File 3: Drifts at the beginning

File 4: Works great

File 5: Drifts away and comes back even though there are peaks that are closer

**Run on all 5 files with power**

File 1: Works very well

File 2: Sometimes when there is a peak nearby it doesn’t pick it

File 3: If there are no peaks in the area it sometimes drifts away

File 4: Works great

File 5: Drifts away even though there are peaks that are closer

Drifting isn’t reduced by it

**No Vertebi with filters**

File 1: Gets most of them, not as well as with Vertebi

File 2: Jumps more than Vertebi but gives similar results.

File 3: Jumps around a lot more than Vertebi

File 4: Works very well

File 5: Terrible, picks peaks that are no where close. Jumps around a lot.

**No Vertebi with filters**

File 1: Not good. Jumps around a lot.

**On Task data and look at spectrograms (peaks jump?)**

**Broadband**

Broadband works really well. Spectogram isn’t even that noisy compared to the ones we made ourselves.

Recording 6: Without filters: Doesn’t really pick the peak of the drone. Noise seems to be consistently in one place.

With filters: Really effective at noise reduction. Doesn’t pick the same points as before. Seems to be correct. Weirdly using wrong motor speed 50?

It may actually make things worse if I used a larger speed… Did terribly when I tried

Recording 7: lots of smearing. Really cool. Looks like it tracks it well

Recording 8: tracks well without filtering. Looks really nice with filters. Works so well

Baseline does a good job though in both cases.

**Recording 18: Very noisy, Noise reduction works in some places. Vertebi does a terrible job here.**

Recording 19:

Recording 20: Does amazing

**Speech**

Recording 1: Very noisy. Can tell where peak should be. Doesn’t pick correct one though.

Removing high pass filter is good. Does better

Recording 3: Picks a value that’s very far away. Even though peaks are near where the source is probably at

Recording 5: Picks a value that’s very far away. Even though peaks are near where the source is probably at

Guess speed finally not 50 for the following:

Recording 12: So much noise

Recording 16: Not sure what its doing, lots of noise

**Test with actual speeds**

Could we implement if it suddenly deviates for one of the recordings we use the previous value?