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| **Things to think about** | **How to solve/ next step** | **In process or no?** |
| Separate model for different cables | Don’t make mistake of plotting fractional gain in change using gain in dB. And check if you are have to use linear gain or logarithmic gain in  First part is to mask the data, check the code on Mistaya on how did you mask the data  Change code to vary according to different cables, one frequency and different time to get the residue  You want to see the result(residual) for more than one frequency | I have done searching for different parameters for different cables JUST FEW MORE HOURS TO CHANGE CODE. |
| Is there any way that a new model can be prepared from the delay | Understanding delay and temperature correlation.  Look for time from the data in Mistaya and then look for weather in marimba.  You might have to interpolate weather data.  \*\* long shot: you could get the temperature of the correlator before, so you might want to see if there is correlation  Think more about temperature variation in 2 m cable and 50 m cable. | TO DO |
| Understanding how the new gain model is behaving at different times | You want to create reflection model for different time frames for a single cable and want to see the difference. If difference is big then you want to think more about model.  (Note: data is stored in the local computer and you can have information from ) | Did preliminary search, must look if the reflections are working fine for different timings?  We saw that the peak is same for 500 different time frames (total 3000), but the amplitude is different. So how much difference is that creating? |
| See the conversion of x axis to get the time and distance for the reflections. If you see the peaks in fft that means that there is reflection at that moment, and you want to get at what distance that reflection is taking place. | SHOULD THINK | TO DO  Started working on that, but there is confusion, check your notes |
| This is extra sprints work | Creating the list and appending it, see your notes, the data is in virtual box. You want to get hold on following things:   1. YAML file 2. Creating the list of data 3. Creating the class for that. You have to check that how the class will be helpful for you and how this will help to generate the file easily. | WORK IN PROGRESS |
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