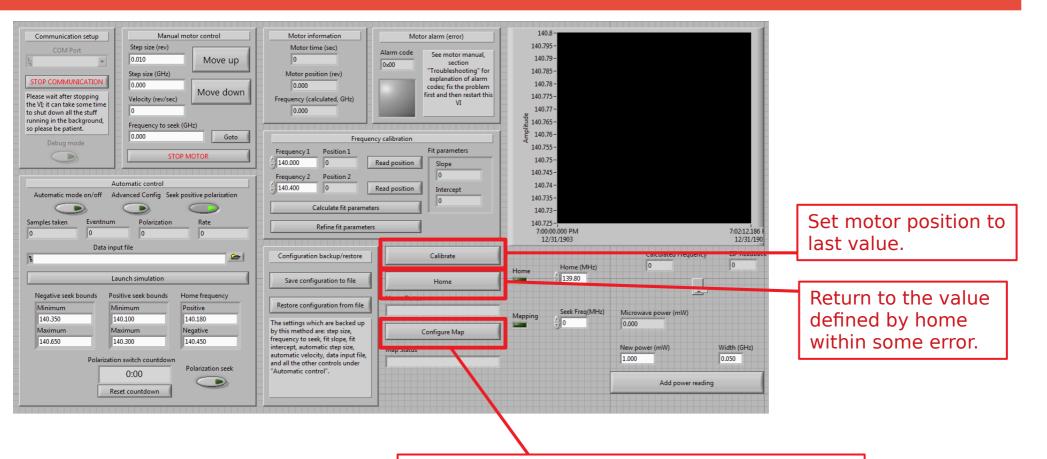
## **Frequency Mapping Controls**

Joshua Hoskins

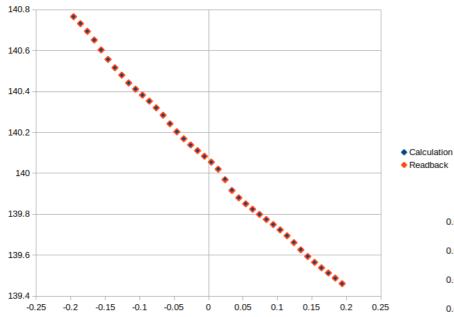
## Microwave frequency readback from EIP is integrated into the controls GUI.

Algorithms for HOME and configuring frequency map added.

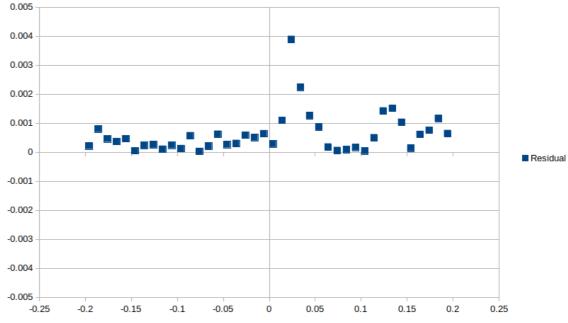
Mapping can now be determined using automated process via GUI.



Step through frequencies in a given bandwidth and record position and value of frequency.



## Residual between readback and calculated on the order of 4 MHz with only 40 samples.



4

**Higher resolution map.** 

Studies on stability over time.

Idiot testing - Carlos is all over this one.

Some one needs to make it more aesthetically pleasing.