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Spectrometer Set for ASU

1 message

Tang, Adrian J (389A) <Adrian.J.Tang@jpl.nasa.gov> Tue, May 2, 2017 at 8:19 PM
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Hi Chris,

Nice meeting you today. I stayed a little late and just finished putting together a custom software build for you on a raspberry pi 3 so you can do the spectrometer testing. It took a little time to get all the firmware/software versions right with all the different projects floating around but I have everything working now.

--> So the plan would be to send you home with the raspberry pi3 with all the spectrometer utilities pre-installed, the SIIb chip (512ch/1GHz) and the SVI chip (1024ch/1.5GHz) for your testing. Then you could just build on top of the existing code to do your tests. Since these are my own chips (not the 2 for Goutam's instrument) you could keep them a little longer, maybe a few months if needed.

-->Minor detail: The SII chip can draw power off the USB just fine, but the SVI chip when clocking above 1 GS/s (500MHz BW) trips the circuit breaker on the USB port of the PI3. You can open the 3D printed box and clip on an external 5V to solve this if you want to clock fast. I can show you how to do this.

See you tomorrow!

~Adrian