sdmay18-12: Pilot Biometrics - ECG waveform captures
Week 4 Report
September 22 - September 29

Team Members
Zachary Glanz — *Driver Design Lead*
Andrew Jones — *Algorithm Design Lead*
David Kirpes — *Circuit Design Lead*
Justin Bader — *PCB Design Lead*
Kory Gray — *Operating Systems Lead*
Ryan Gallus — *Communications Lead*

Summary of Progress this Report
This past week, our team worked on both the microcontroller board and the ADC evaluation board. We attempted to put a version of Ubuntu on the microcontroller, but had issues with the limited storage space on the board. We then completed the application for a license for micro C linux, which should meet our storage requirements. We also powered up the ADC, installed the evaluation software, and began testing the device. In addition to work on both boards, we also updated the project plan/website and prepared for lightning talks.

Pending Issues
The microcontroller board has very limited built-in storage space, which will make the linux OS installation tricky.

Plans for Upcoming Reporting Period
The main goal for this week is to begin interfacing the ADC with the microcontroller board, and to continue work on installing micro C linux. We will also be presenting our project plan to our client at Rockwell Collins.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Zachary Glanz	Researched getting embedded uClinux OS.	3	13
Andrew Jones	Attempted to access mcu through linux machine.	3	13
David Kirpes	Worked on testing the ADC evaluation board.	3	14
Justin Bader	Worked on testing the ADC evaluation board.	3	13
Kory Gray	Worked to install OS onto the micro controller.	3	13
Ryan Gallus	Worked on testing the ADC evaluation board. Updated the project plan.	3	15