I. Summary of this week
   • Completed the sensor accuracy test
     o Mapping is approx. 3.75 units per mm of travel
     o Sensor accuracy is within 0.1 mm
   • Looked into ABB documentation on RAPID
     o Analog Input Functions
     o Interrupts/Traps
     o Print Statements
     o Variable Declarations
   • Wrote a routine to find an edge and return the position data

II. Overview of next week
   • Thanksgiving Break - No scheduled meetings or project work

III. Team meetings and project work next week (11/24 - 11/28)
   • Thanksgiving Break - No scheduled meetings or project work

IV. Upcoming deadlines and deliverables
   • End of Semester Written Report - 12/12
   • Reviews and Next Semester Plan - 12/12
   • Project Website Semester Update - 12/15

V. Comments
   We finished another test on the sensor this week. We were able to determine that the sensor is accurate to within 0.1 mm, and that the amplifier's units map to mm by a ratio of 3.75/1. After looking at a lot of documentation on RAPID, we wrote a routine to detect an edge and then return the positional data back to the operator. After running the routine several times we came across a runtime error, and spent an hour attempting to debug the program. Next week is Thanksgiving Break and Asa and Kaden will most likely be out of town. I plan to finish debugging our routine early next week and possibly do some edge detection tests if time permits. Once everyone is back from break we plan to write the papers and reports that are due in December and finish up the tests on our system.