I. **Summary of this week**
- Discussed edge method of rotational calibration
- Updated schematics for sensor integration for more I/O (Rev B)
- Installed WAGO cards
- Installed amplifier unit and its associated cables
- Tested digital I/O function of the sensor using a multimeter
- Performed basic tests on the range and features of the sensor

II. **Overview of next week**
- Meeting on Monday to discuss project plan with industry
- Meeting on Wednesday with Prof. Maciejewski
- Finalize rotational calibration routine
- Mount the sensor on the robot
- Perform more detailed tests on the sensor

III. **Team meetings and project work next week (10/27 - 10/31)**
- Monday: 5:00-7:00 @ CSU
- Wednesday: 5:00-7:00 @ CSU
- Friday: 1:00-5:00 @ Wolf

IV. **Upcoming deadlines and deliverables**
- 11/17 - DTVC Plan document (3-10 pages)

V. **Comments**
Early in the week we discussed the edge method of rotational calibration that Dan suggested we look into. We discovered that by checking two edges and doing basic vector math we can find the exact angle between the calibration plane Z axis and the actual vector of the laser. We plan to finalize this routine next week. The amplifier for our laser arrived and we were able to perform basic tests on the sensor. We used the visual indications on the amplifier and sensor as well as a multimeter on the I/O to test the various functions of the system. We discovered that we may need to use more of the available I/O than originally planned so we revised our schematics to show the correct wiring. Next week we have several meetings with advisors and industry. On Friday we plan to do more extensive tests on the sensor as we will have the correct mounting equipment to attach it to the robot. We will also begin working on our DTVC document if we have time on Wednesday.            -Kevin B.