Weekly Report

Date: 10/1/12

Project Name: Light Detection with ultra-high dynamic range

Group Number: 35

Group Members: Dohyun Kim, Eric Kleinberg, Leran Firer

Current status of project: Still Selecting Pin Diode/Focusing System, Trying to contact PIN diode/focusing system manufacturers.

Work completed in the last week: Preliminary simulations of Bessel Filter system were performed. Minor problems with cutoffs/tolerances were found. More research on achromatic doublets was performed. Further research into Peltier coolers was performed. Preliminary report/presentation were prepared and given.

Work planned for next week: The group will choose the PIN diode with the proper active area as well as the lens system. From knowledge of the PIN diode, group will select a Peltier system.

Anything needed from client or TA or instructor to continue work: N/A