Goals and List of Tasks

1. Secretarial reports. Everyone should contribute to a weekly report that will be posted on Dropbox. Someone should be charge of this, but everyone should contribute. We will likely take a field trip to Pennington so we can see the operation of collecting data first-hand. These (as well as everything else) should be carefully documented.
2. Construction of the Graphical User Interface (GUI). This is the main construction, and everyone should learn how to construct GUIs from scratch in Matlab.
3. User’s Manual. A detailed description of how to use the GUI will accompany the product. At least two people should be charge of this.
4. Data Management. We will obtain Excel (or perhaps text) files that will contain the data. These have to be properly formatted and made ready to use in the program. Storage and retrieval must also be thought out.
5. Matlab programming. The .m files will be designed and created to fill our needs.
6. Bibliography and scientific background. Keep track of Websites and all sources of material. Research the goal and potential methods that have been pursued by others. We should be on the lookout for any other work that is relevant to what we are trying to do. Even if we do not implement a particular method, we should be open to its potential use later on.
7. Web site. We will post your final reports on the Capstone Course website. Someone needs to take charge of this.
8. Final report. A general description will be needed to summarize all our activity.