Tasks for this week:

Assemble and test complete IQ receiver with student designed and built blocks

Monday: interconnect and test in classroom, evaluate using weak signal sources, discuss and plan packaging for outdoor test.

Monday’s lecture will include some discussions of packaging techniques for outdoor radio/electronics experiments.

Wednesday: take prototype hardware outdoors and test with live signals from ionosphere. Rain is predicted, dress accordingly.

“Final class project. We will design and build individual contributions to the block diagram receiver. The final report will be a description, including design strategy, circuit details, measured results, and integration into the complete class project, with field testing. There will be as many blocks as students in the class, and they may be interconnected LEGO fashion into different receivers.”

We did it! Great work everyone.

Note: I am gathering archived information for a report folder on this project.

If your contribution was a success, is integrated into the working receiver this week, works on Wednesday, and I have a schematic and photograph, then you are done. If your part of the project doesn’t yet work, I invite you to continue with it and submit a few pages next week describing what you attempted and how it is performing.

Thank you. This has been a great class, and I have enjoyed working with each of you.