Topics for this week:

Practice the math.

Sketch the project tasks, with a Plan A, Plan B, and Plan C. Plan C is generally: “use something that already exists.”

Ionospheric Radio Science--frequency selection

QPSU mode generation and signal processing

10 milliwatt CW transmitter design

Receiver design

Antennas

Deployable package design

Energy system

Microcontroller code

Interface between low noise receiver and DSP processor

Homework: Sketch a block diagram with the signals in basic math form at each stage of the system. Highlight the areas you will personally concentrate on.

Next graded work: HW3 due Monday October 21--checked, not graded.

In-Class Midterm exam Wednesday November 13