This Week’s Progress

- Lots of pool testing this past weekend
  - Autonomously completed barbed wire, machine gun nest, and flare!
Water Testing – The Bad

- Pipeline code was not perfect in the water
  - AUV wanted to turn at the last minute
- Manually tested arm with picking up briefcase
  - The state machine code was not complete for autonomous testing
- Unable to test the bombing run
  - Ran out of time, and were experiencing computer problems on shore
- Hydrophones were still not functional
Problems Faced This Week

- Unable to do water testing all week...

- We are now all sealed up and ready for more testing!
What Needs To Be Done

- Team is close to having FPGA programmed (hydrophones)
- Lots of testing
  - Bombing Run
  - Dropping of the marker IN the water
    - Mechanically, can only make a drop once
  - Pipeline
  - Briefcase pick-up
- Result comparison
Progress

- All my code, except for the bombing run, can be called by the AI.
- Bombing run code is still having trouble detecting the tank and ship.
- Team member also wrote code for bombing run, using OpenCV’s template matching function.
  - Also has trouble recognizing the tank.
(Semi) Final Results
(Semi) Final Results cont.

- Airplane targeted!!
- Factory targeted!!
- Acquiring target...
- Acquiring target
Goals for Next Week

- Pool testing all weekend.
- Leaving Monday night for San Diego.
- Aiming to take home the gold!