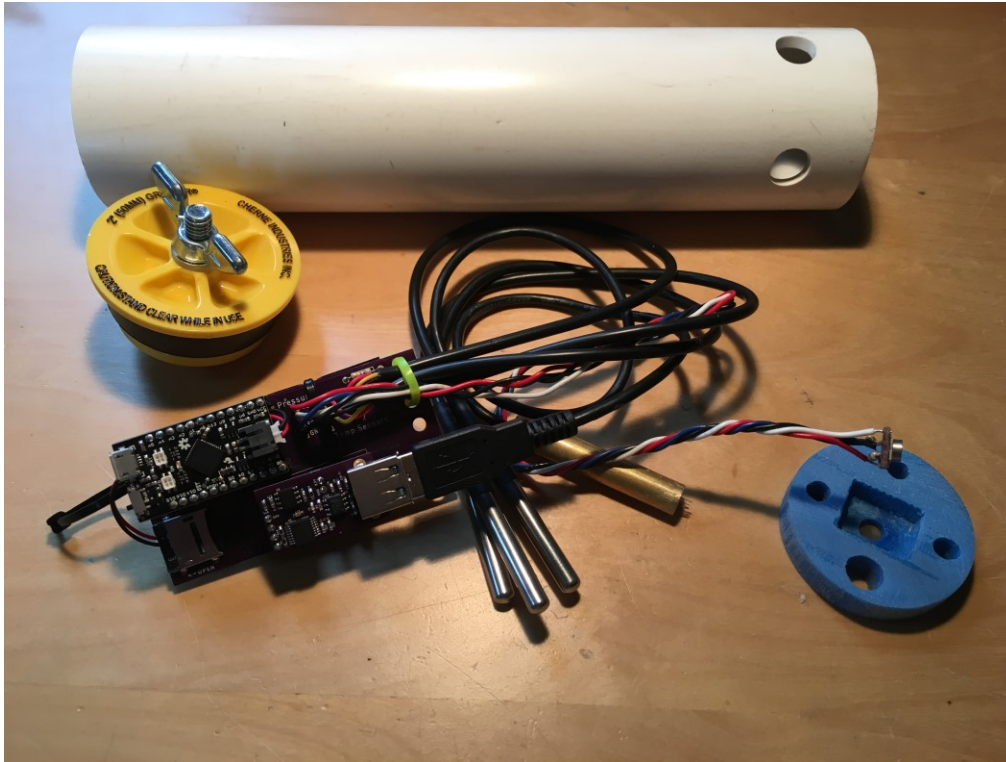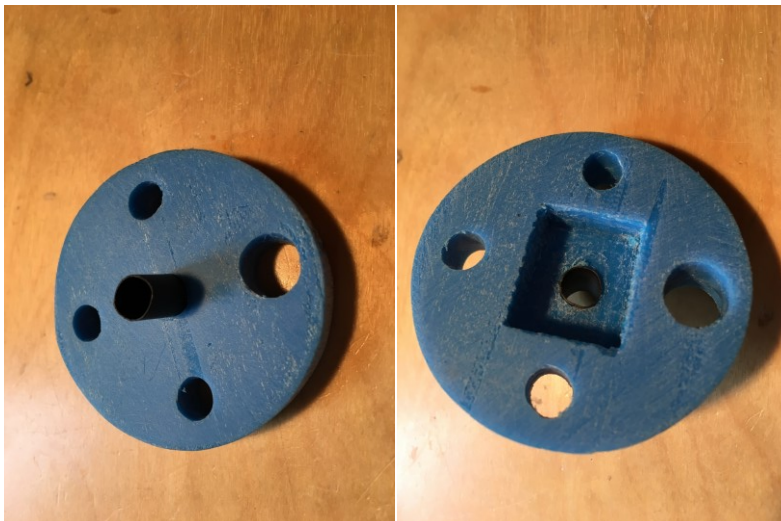# OpenCTD with Conduino

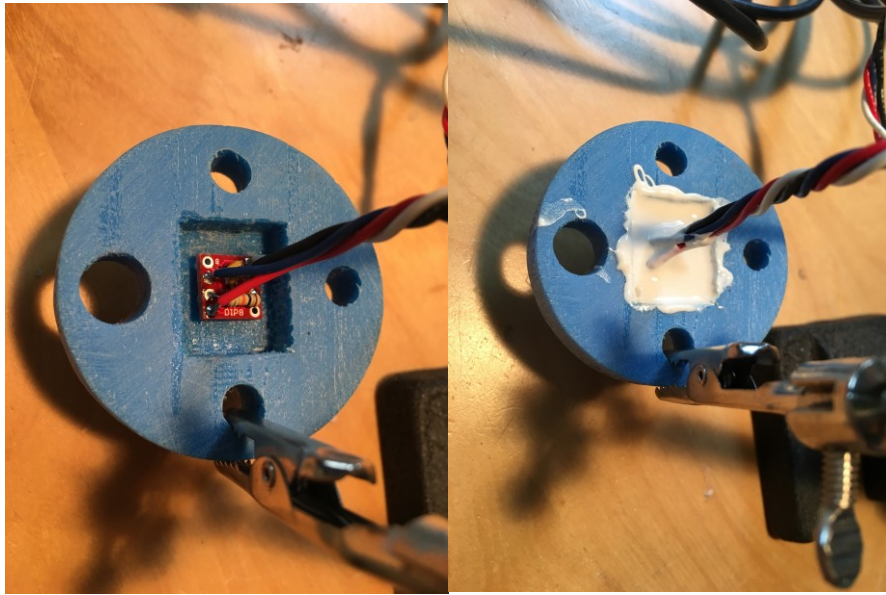Here we show how to get it all into a 10" long 2" PVC pipe.

First, 3D print the plug. Make it solid, and then use a drill if necessary to open up the holes a little bit to fit the various sensors.

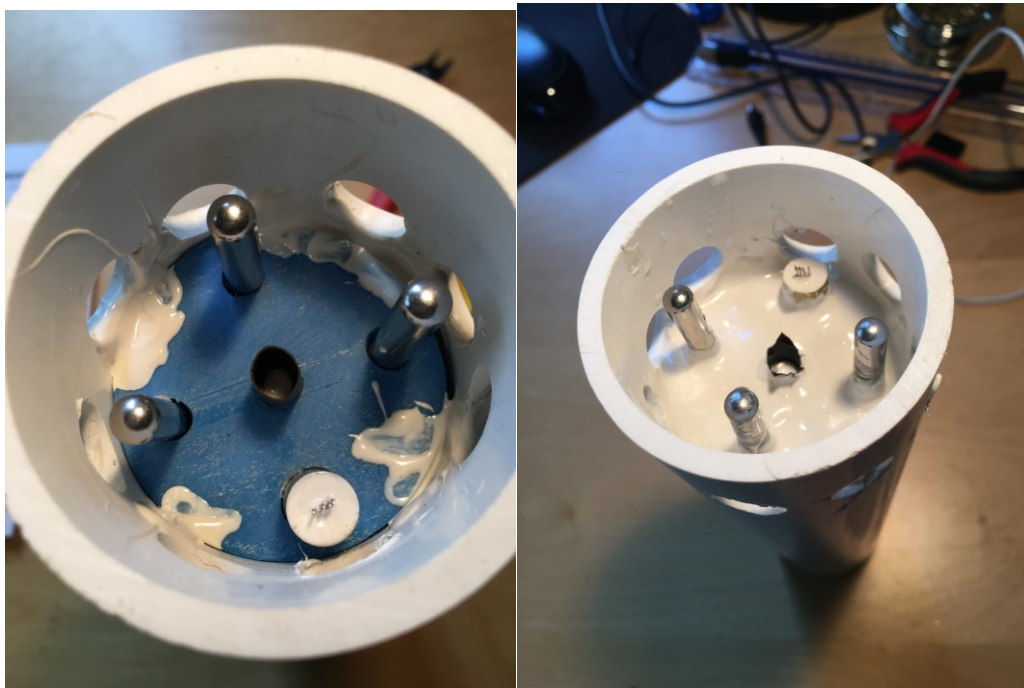Use a ¼" shrink tube (or other) to protect the pressure sensor during the epoxy potting process.

Secure the pressure sensor PCB in place (use clamps or something), and fill the void which is on the inside of the plug with Marine Epoxy.

Next, fit the other sensors and use a little bit of Marine Epoxy to tack it in place, let that dry, and then fill the outside with a generous helping of Epoxy.

When it has dried, trim back the ¼" tubing used to protect the pressure sensor.

Cram the circuit board and the wires in the pipe. A twist of the circuit board is helpful. Attach the Gripper Plug and you're ready to go. If you need it to sink, fill with mineral oil, or attach a weight.