Hydrophones

Our hydrophones are a powerful tool for figuring out where we are in the water. Using 4 hydrophones, we can calculated our bearing to the pinger. For details, see Pinger Bearing.

Testing Procedure

Materials:

```
1 tub of water
1 pinger
Hydrophone Test Rig
```

Test Rig:

```
Pinger at one end of tub
hydrophones at other end of tub
If lots of noise in readings observed, can place towels around tub
```

Procedure:

```
1- ssh into the sub
2- roslaunch robosub cobalt.launch
3- rosrun robosub pinger_bearing
4- rostopic echo /hydrophones/bearing
5- Manipulate hydrophones & Observe bearing readings
```

From:
http://robosub-old.eecs.wsu.edu/wiki/ - **Palouse RoboSub Technical Documentation**

Permanent link:
http://robosub-old.eecs.wsu.edu/wiki/cs/hydrophones/start?rev=1550806053

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