======= NOTES ON THE TURBIDITY CODE & DEBUGGING THE SENSOR =========

LAURA TO DO: ADD THE CUT FILES FOR THE ACRYLIC

The code is in the Dropbox. It should work on both an Arduino Uno and a Adafruit feather M0 LoRa radio board.

If you cover the sensor up, the code will slow down a lot and lag.

If the code doesn’t run at all, the sensor might not be connected right.

The code will still run even if the LED isn’t working. Make sure to visually check that the LED is on--you should be able to see it no matter what the lighting is like. You can see a red dot with your eyes (or phone).

Make sure you connect to digital pin 10.

======================== NOTES ON TESTING THE SENSOR ================

LAURA TO DO: TURBIDITY STANDARDS AND CALIBRATION

LAURA TO DO: TEST WHILE SUBMERGED IN WATER

LAURA TO DO: TEST IF THE VALUES CHANGE IF THE WATER MOVES AROUND

LAURA TO DO: WHICH BOAT TO ATTACH TO AND HOW? CHECK ROBUSTNESS OF BOAT

The sensor needs to be in the dark in order to get reasonable values for testing. Use the black foam core box for this.

If there isn’t anything (e.g. water sample) between the sensor and the LED, you will get really high readings.

Make sure the sample location (between the sensor and the LED) is standardized so you get consistent values.