Software Flow Chart: Above Water

Initialize LCD

**N**

**Y**

Display on LCD

Transmit Switch Values

Read Switches Value

Read Data

Is i2c Data Available?

Initialize Comms.

**N**

**Y**

Transmit Data to Aux

Read Data

Serial Data Available?

Transmit Data

Scale Data for ROV

Interpret PS2 Data

Read PS2 Controller

Initialize Comms.

Initialize PS2