**Documentation for Salinity Control**

The North American Council on Aquatic Housing & Development

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ME 121: MW Section, 10:15 AM - 12:05 PM

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A close up of a map

Description automatically generated

Figure 1: Plot of Temperature vs. Time showing toggle on/off times for power resistor used as our heat source. Note shift of sloped area of curve when the water is being heated. We note a 0.2 deg C temperature drop in our readings when the heater is on due to electrical considerations in the system.

A close up of a map

Description automatically generated

Figure 2: Plot of temperature vs. time showing calculated slopes found using test points along heating section of our data. Note that our standard deviation is much larger than the bulk of our data due to some large (or in this case, very small) outliers.