Meeting with Jonathan & CS Team - 3/11/2020

* Relay voltage is
* Lots of new heating elements as well as other parts for the system
* One of the heating elements got fried
* Jonathan’s son has been 3D modeling some other components for potential use on the system
* CS team has been rendering videos for 3D modeling underwater, etc
* Need to verify system accuracy by having a board with topography on it (simple but structured)
* Combination of battery and inverter so each heating element will have its own individual set instead of firing them sequentially
* Time to design stuff for this: 3 weeks if we have to design a PCB, 1 week if we use modules and Amazon Prime
* Jonathan would like a timeline of what will get done and when, need to construct a relay that can fire and switch. Need to send the signal from the topside computer
* Need to find exactly what parts we are going to use, including whether or not we are using inverters/relays, DC to DC converter, what parts that we are going to need, send a specific list etc
* April 17th - April 26th, May 15th - May 22nd June will be gone so we won’t have good technical support for waterproofing, etc
* If we take the ROV to Alaska, it will be at the end of May/beginning of June, so any tests that we do in the water (pool) need to be tested during the first week of May, so things need to be assembled by April.
* Three new heating elements, problem is that they are heating out of the sides of the element and not the tip, which means that we need to try and figure out a way to make the heat move towards the tip
* Need to order parts to demonstrate that something works before spring break
* Send an update email with timeline/parts by the end of the day