

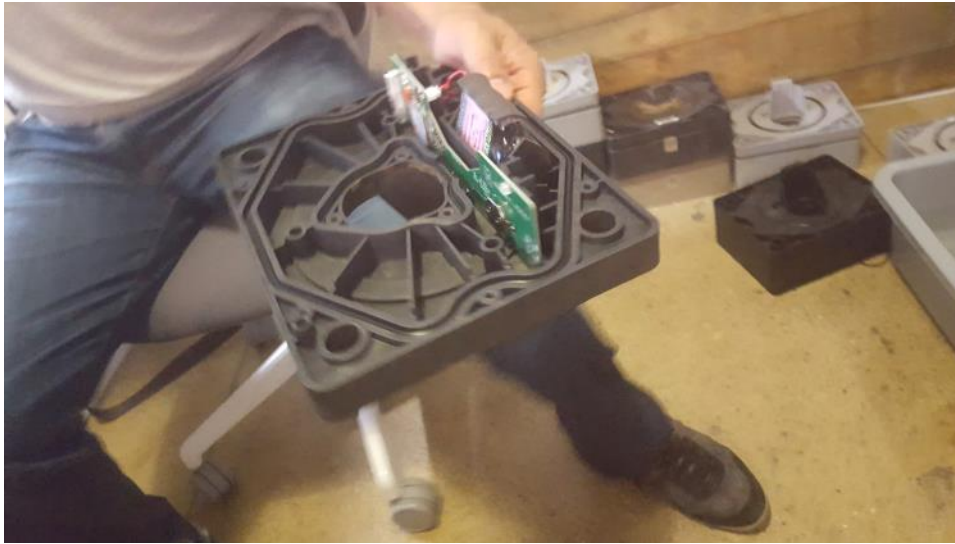
# Charity: water

Thursday, August 4, 2016 10:56 AM

20% accuracy.. Expect 10%

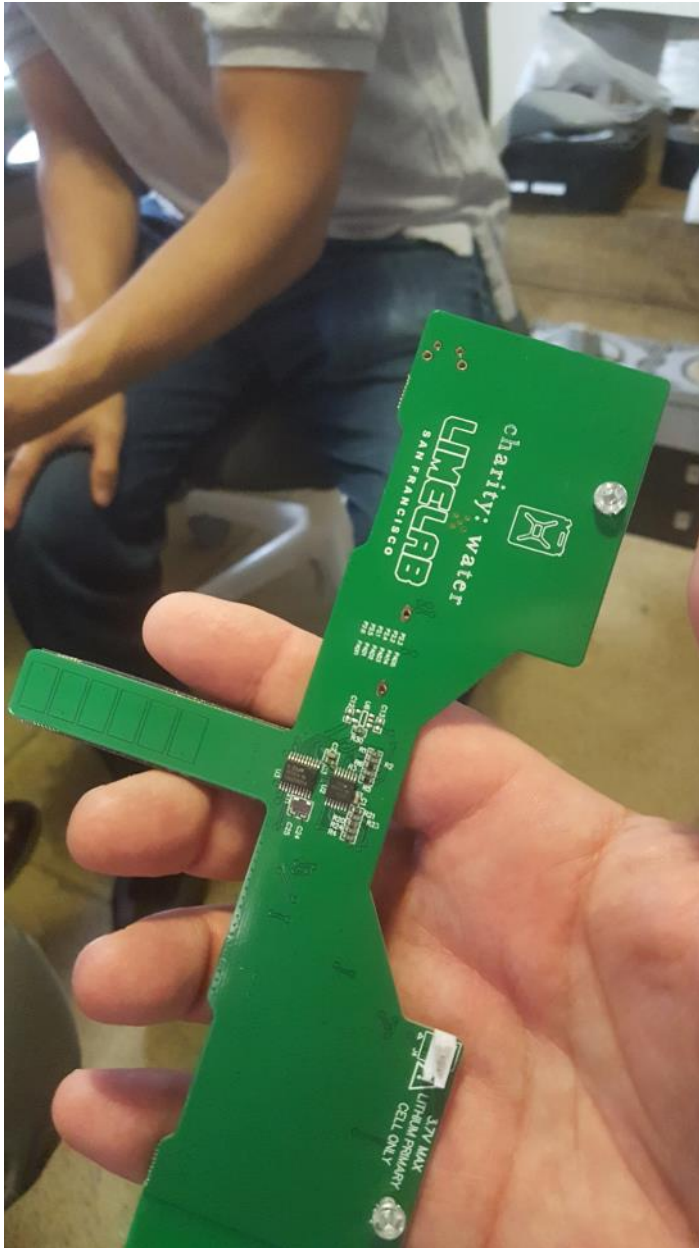
Cell phone data to regional office.. Collected in database





Inner seal possibly leaking.

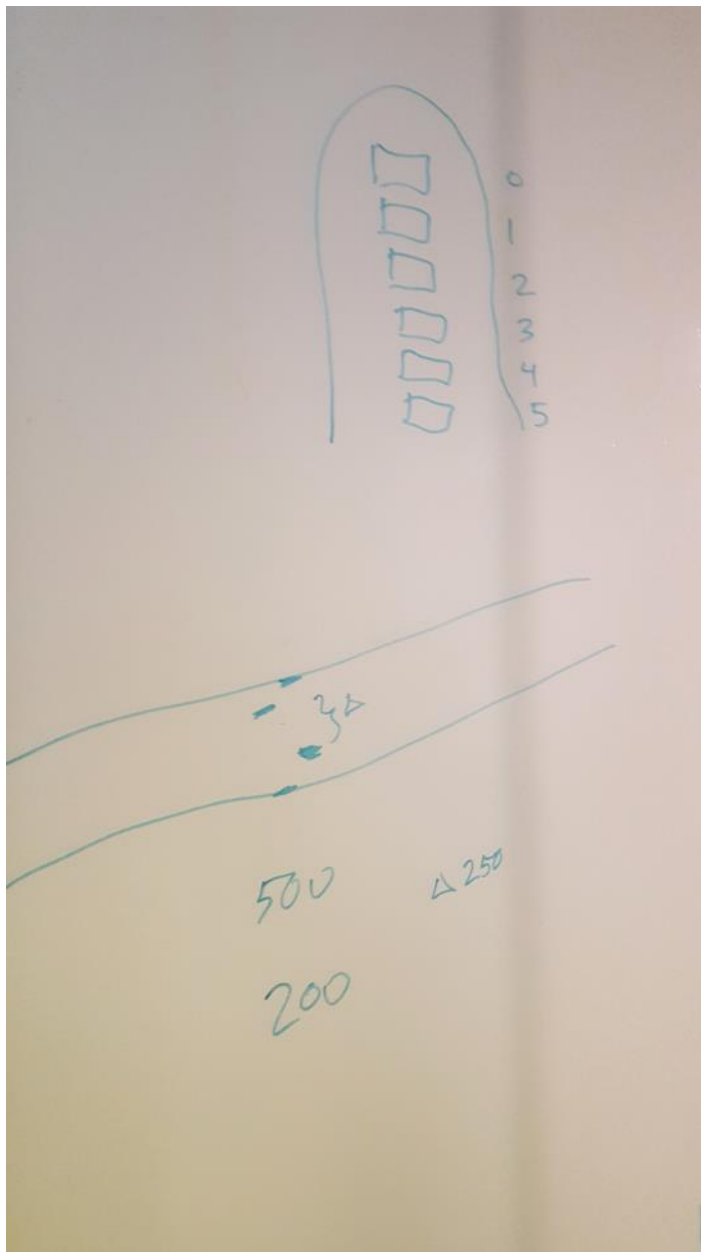




6 sensors, only 4 used... measures height into chamber before it pours out. Want more sensors. Only as many as port pins allows.

Wells aren't level  
Single a2d mux inputs.  
1hz should be 4x or 2x

Temp changes capacitive sensors value  
Air has higher capacitance value than water



500 air 300 water

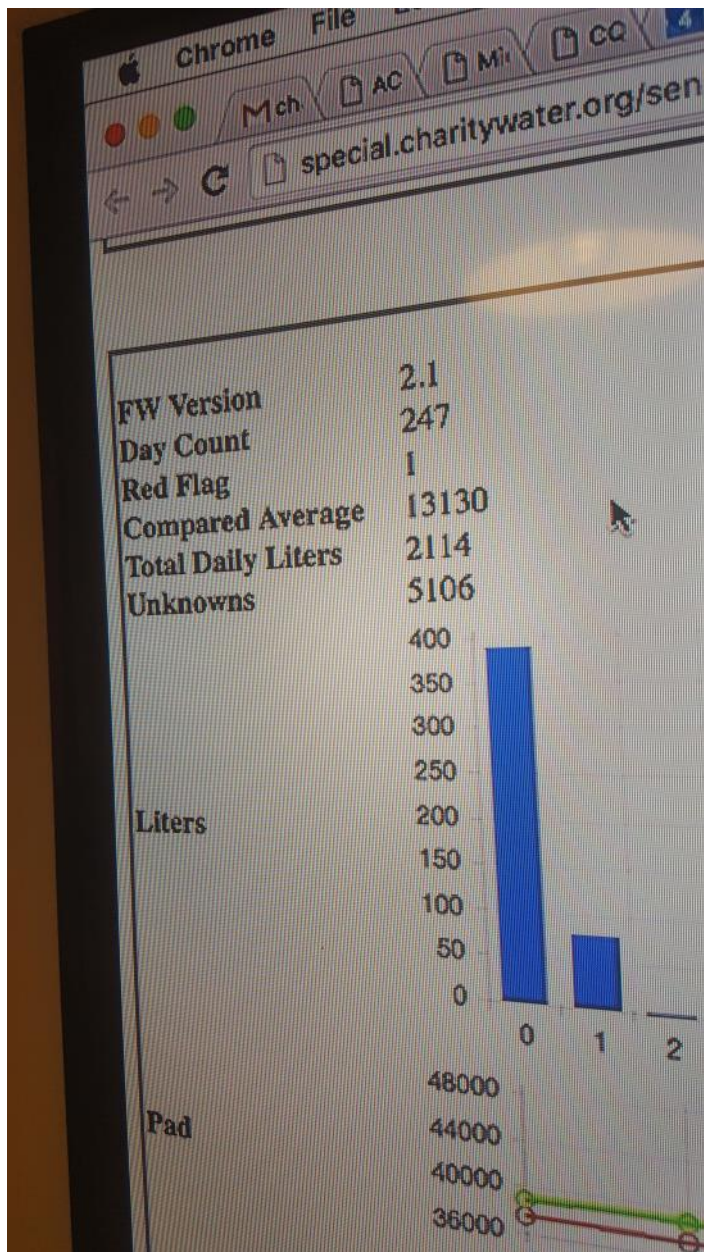
Hotter... 400 air 200 water

Heat alone.. But humidity might be a factor

130 to 150 degrees starts distorting data

Unknowns.. Data doesn't make sense





Compared average.. Per day weighted average flow rate.

Normalizing delta values decreased errors by order of magnitude

Latest firmware with new threshold levels sent to me

Sos messages from failed fw download... modem is on... updating one fw image on the fly...

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Theory of operations..

But also suggest how to get error below 10%

How to reduce unknowns closer to 0..