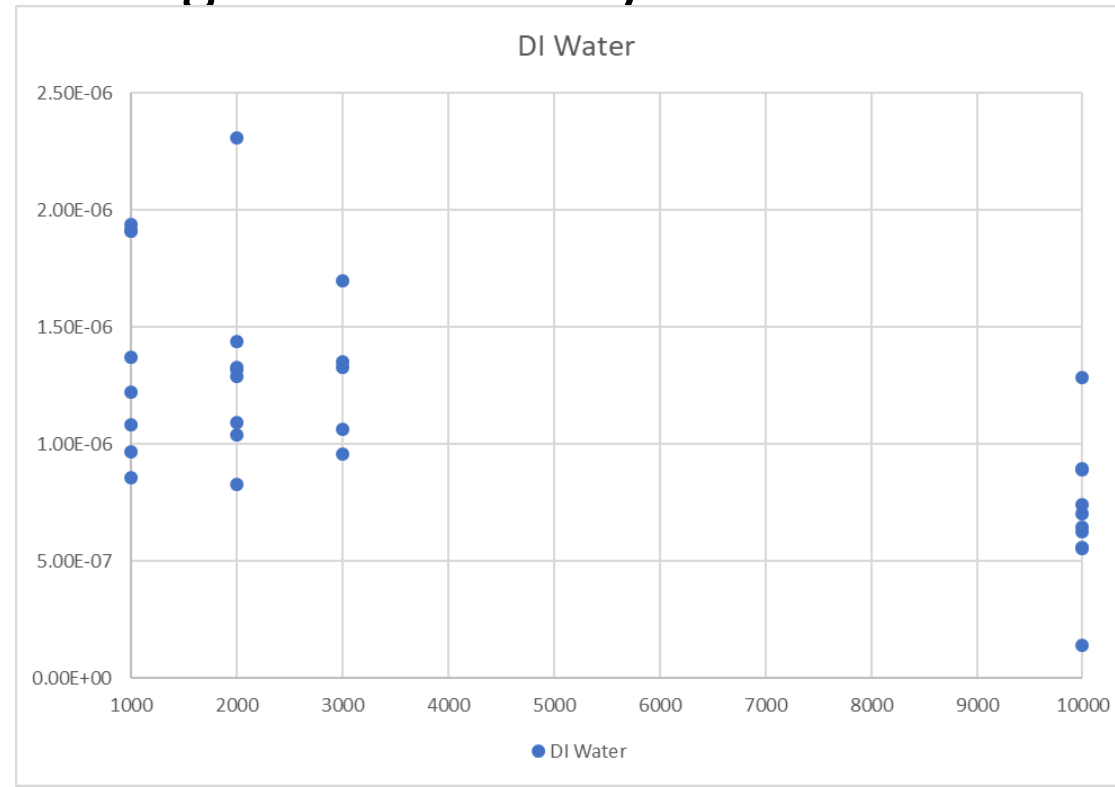


- When I tested the propulsion velocity for 1kHz : I got the velocity of 1.6 E-6 .
- I repeated the experiment and got similar results.
- I asked andres to come and fix the code . Again the value was in the same range.
- I checked the motion of particles in the microscope using ruler in the application : particles travelled about 40 micron in 30 seconds.
- I measured the conductivity of water. It was 0.4 mS/m. In our record the conductivity of water in those experiment was 0.1mS/m. For reference, the concutivity of 0.01mM, was recorded as 0.6 mS/m. So conductivity is not responsible for the change.

- I checked the data of the plot. I saw we have done experiment on propulsion of DI water on following dates
 - June 18 June 22 June 2 July 6 July 6 July 8 July 8 July 9 July 21 July 22 July 22 **July 28 July 29**
- Only last two experiment were done with new slides.
- I exported the data and get the velocity between 1khz-10 khz:



- My conclusion as of now is that the new slides' results are different from previous results.
- We have performed all the experiments except JP-35 , DI water and 0.01mM with new slides.
- For JP-35 , we have one sets of complete results in DI water.
- I have performed the experiment in 0.01mM and are analyzing using andres code.