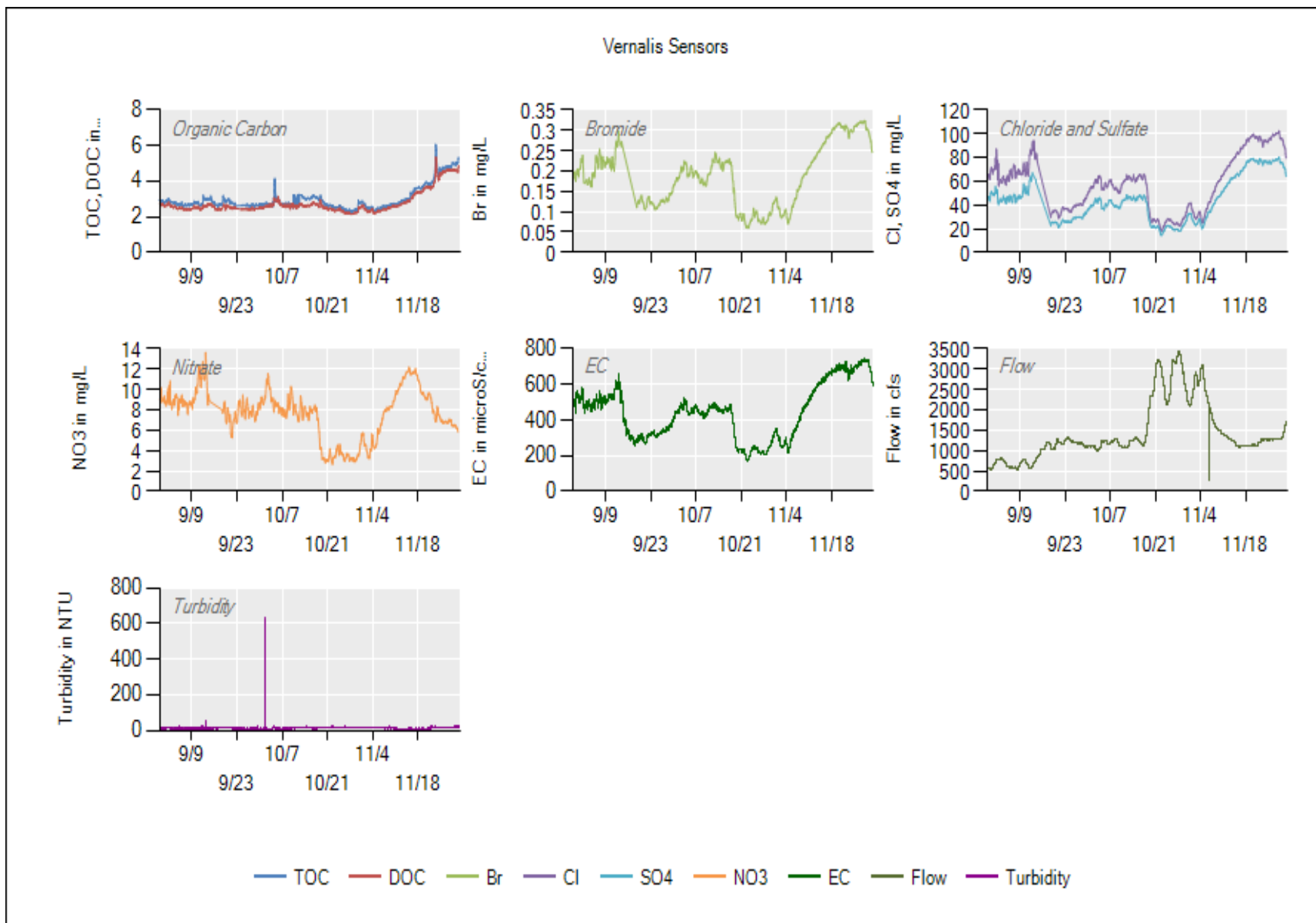
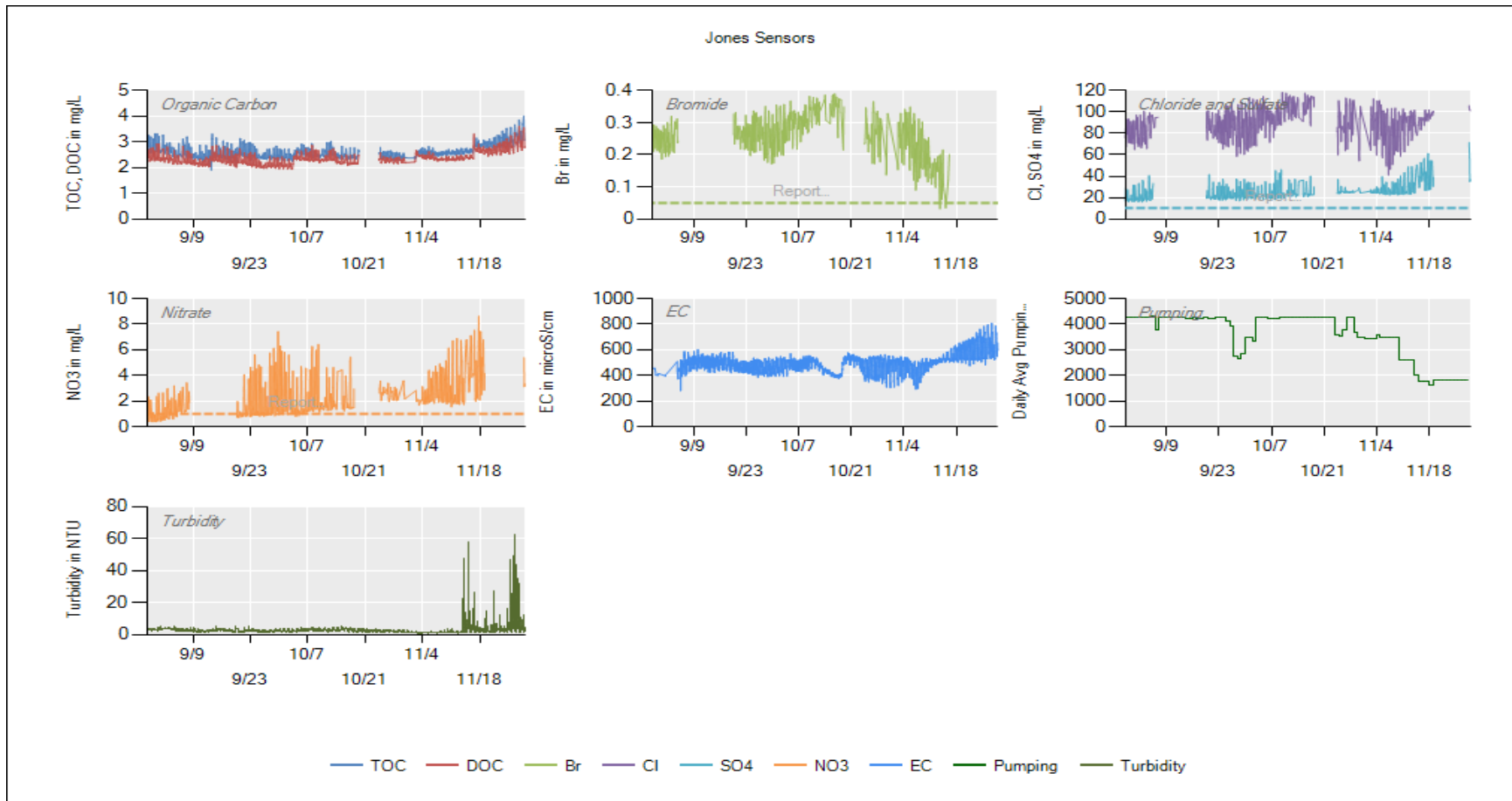


11/14: Analyzed all QC samples. Replaced the 50, 1 and 0.45 um filters. UC Davis folks were here working on their tank setup. 11/29: Power outage. Reset Indigo. Cleaned 50 um filter. Replaced 0.45 um filter.



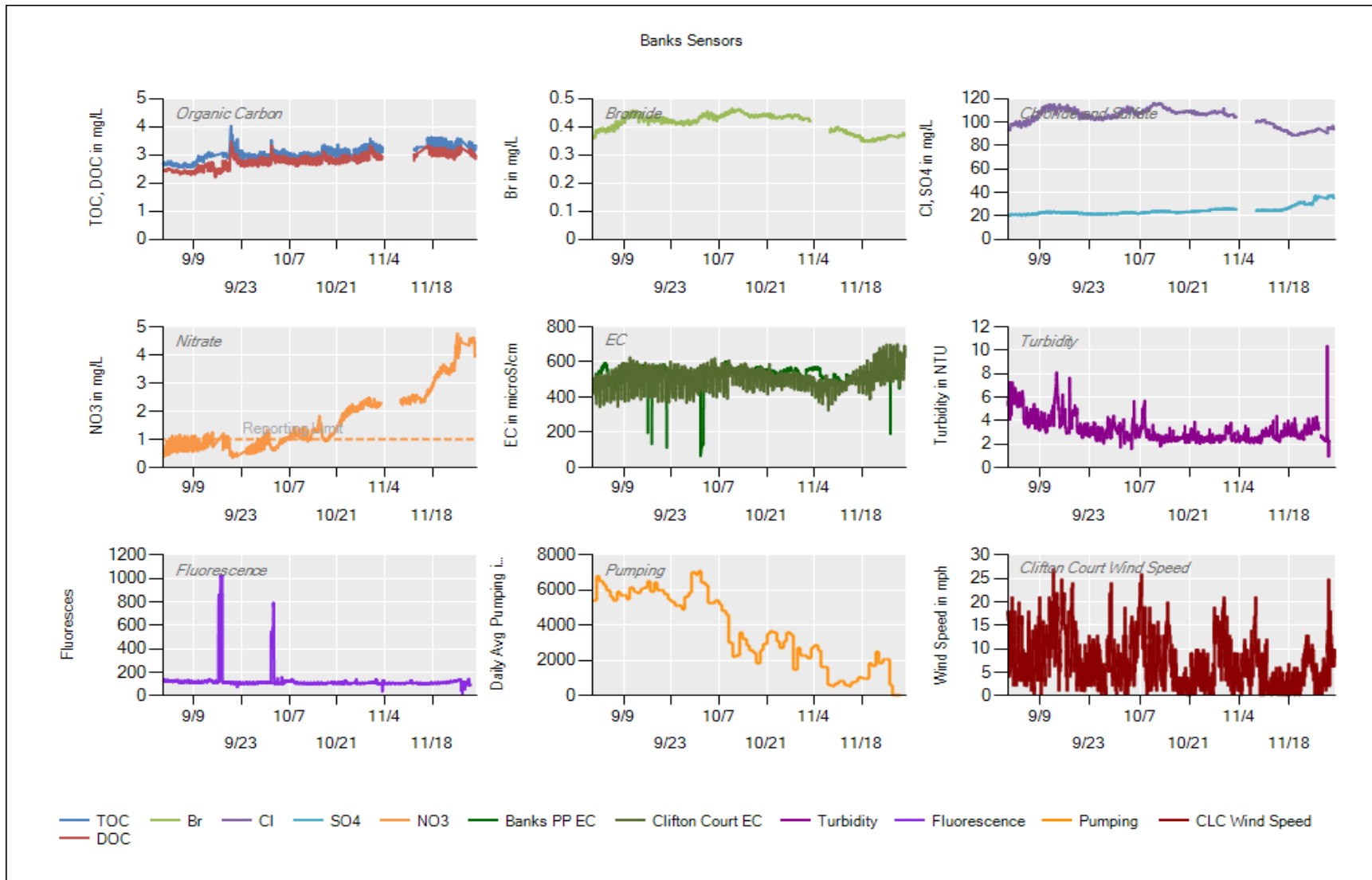
New Events: Filter Changes:10/30, 11/15, 11/28. New pump seals for the Dionex on 11/28. Goodwin releases ramp up beginning 10/16 to 11/3.



Sievers (DOC/TOC): has been operating normally since the last update.

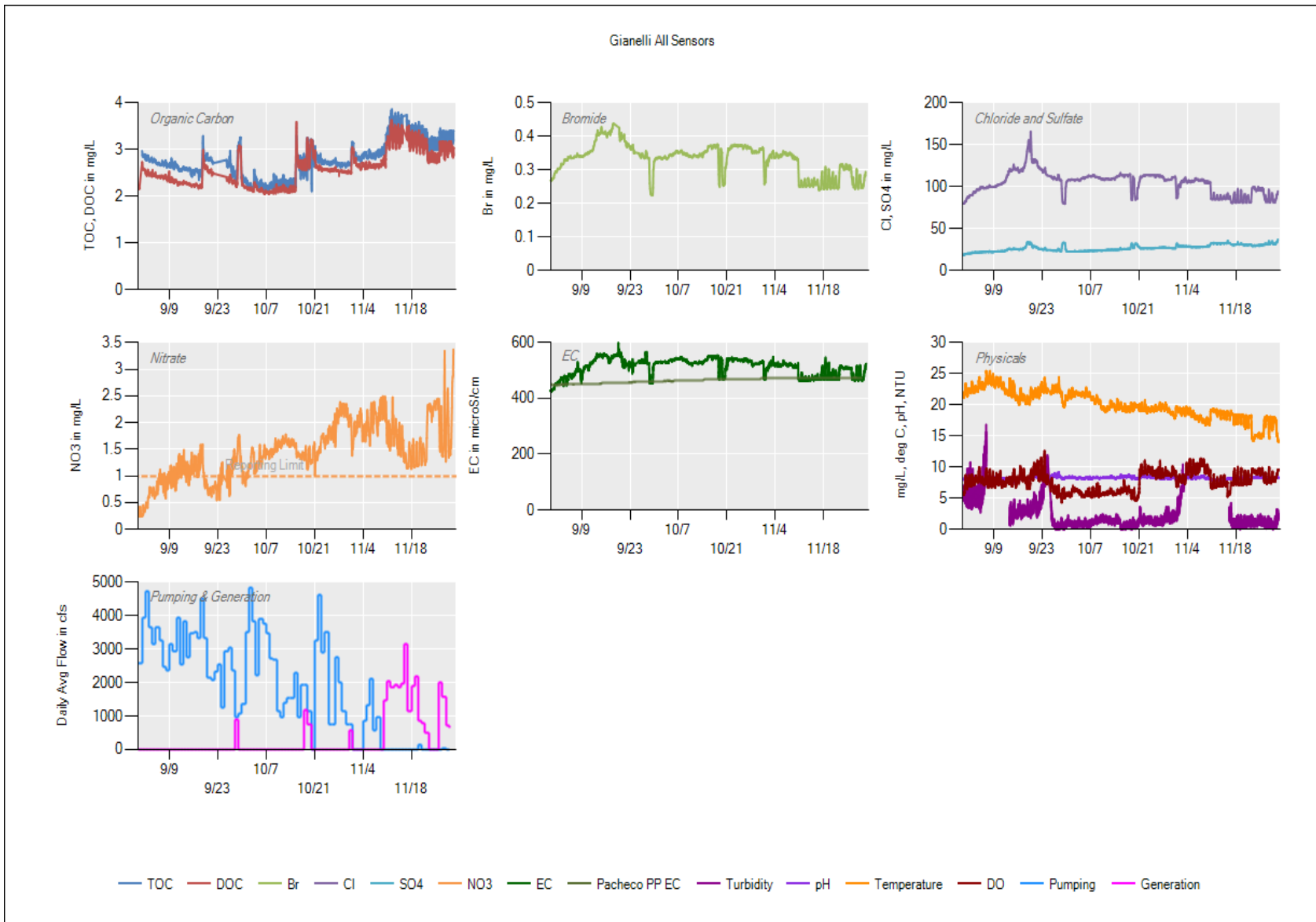
Dionex (anions): A clog developed in one of the small PEEK tubing lines disrupting flow to the analyzer. It's very rare for a clog to develop in the PEEK tubing and it took some time to diagnose and repair. After the repair, there is still noise in the chromatography baselines which indicates a separate issue. A new separator column will be installed sometime next week which should fix the baselines.

EXO2 (physicals): The EXO has been hardwired into our CR1000 data logger, but we're still having some trouble getting the two to communicate. Jay Aldrich will be heading down to the station with me on 12/11 to get the system working.



Significant Events: August 31th, 2018 to December 1th, 2018

- 11/4 & 11/26 Power Outages:** Banks suffered several power outages during this month. For the most part the Batteries were able to keep power on, but some extended power outages did outlast them.



- 9/5 to 9/13 – The turbidimeter became fouled and reported erroneous data.
- 10/10 to 10/22 – The Sievers was running nonstop due to a problem with water supply and at times analyzed stagnant or no water.



