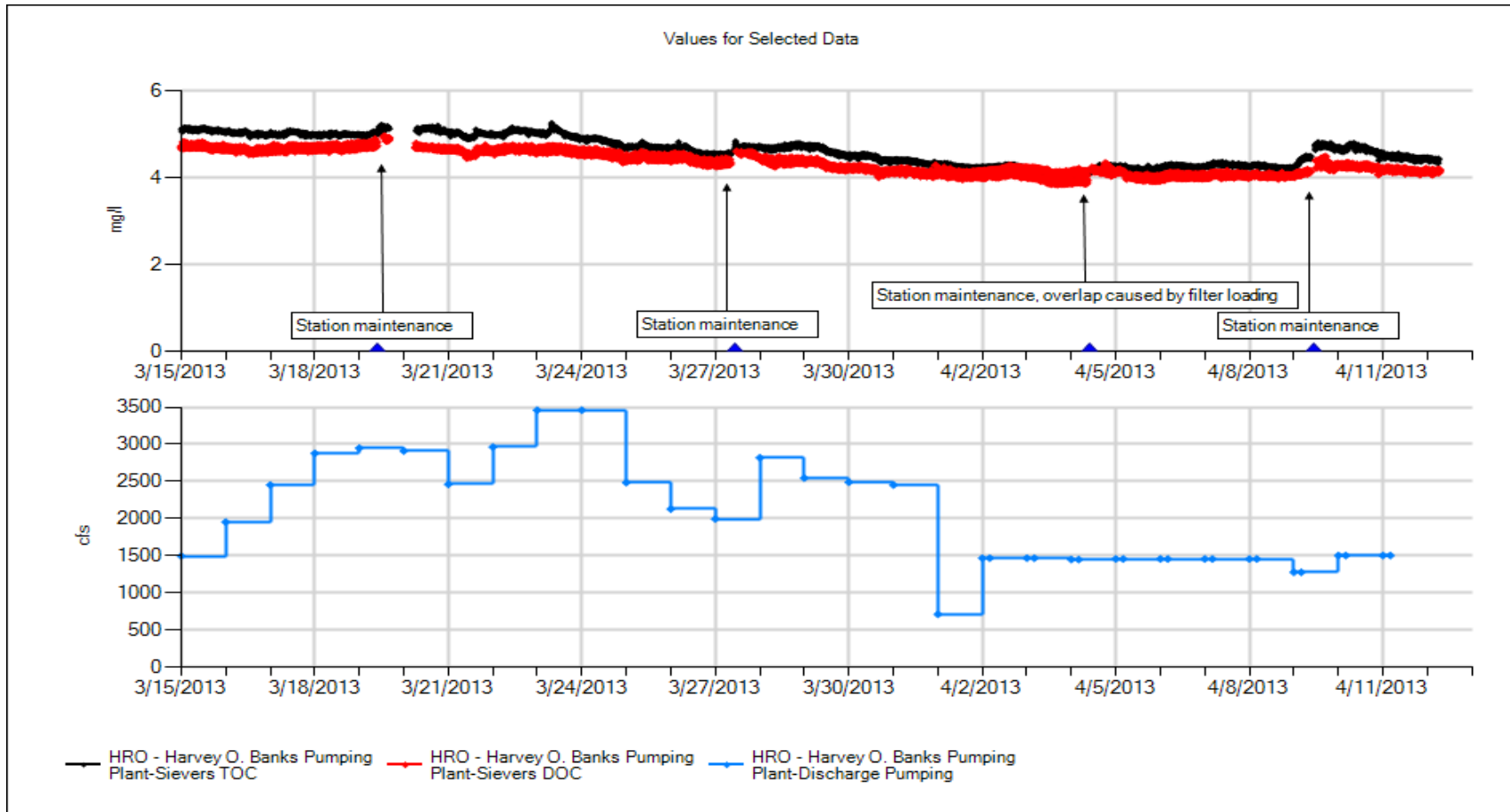


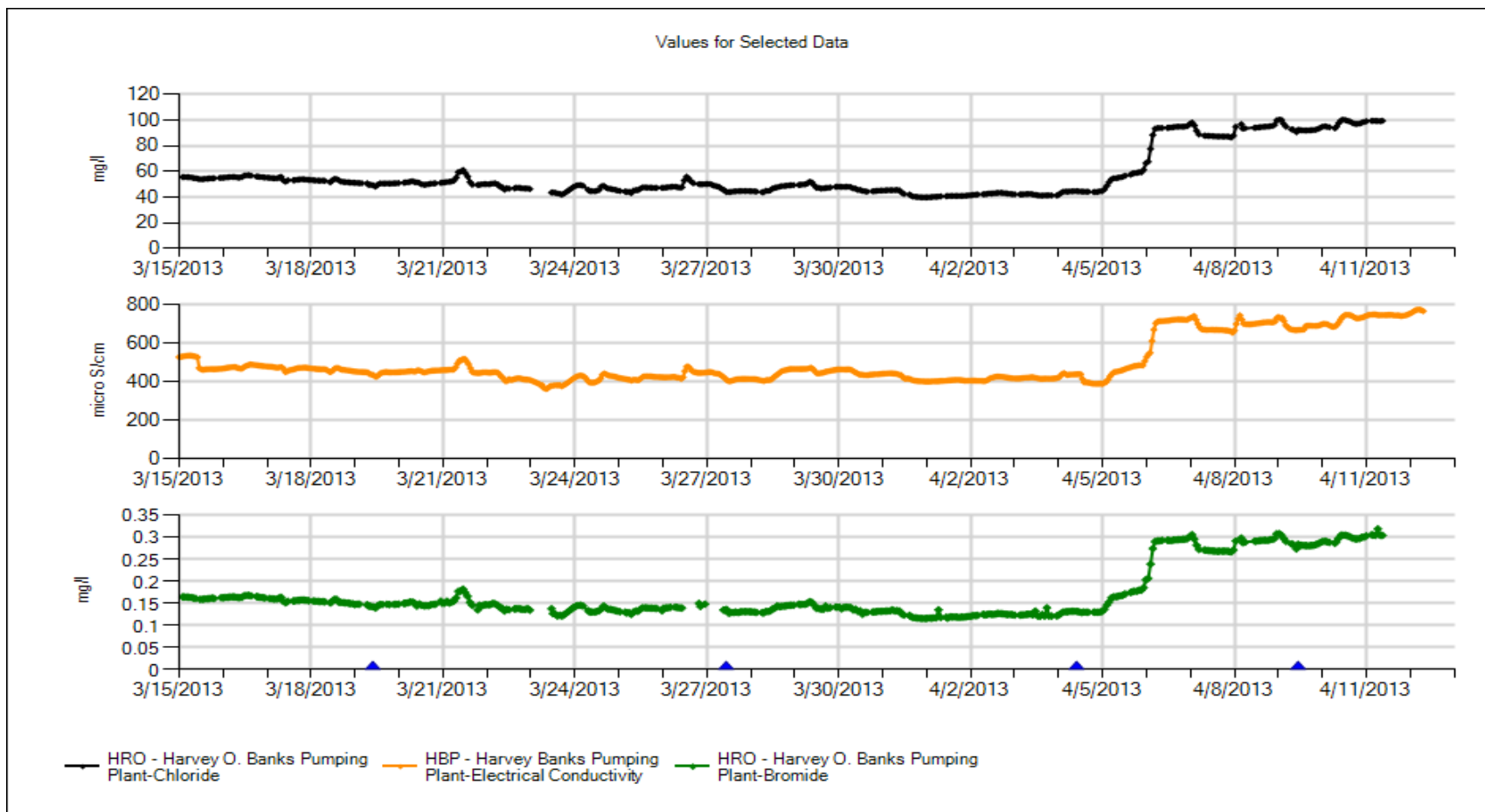
## Banks Pumping Plant Organic Carbon and Pumping



### Events

- 3/19 - Sample delivery system filter replacement.
- 3/27 – Sample delivery system filter replacement. QC samples analyzed.
- 4/4 - Sample delivery system filter replacement. Canal about 4 feet lower than last visit, no pumping while at station.
- 4/9 - Sample delivery system filter replacement.

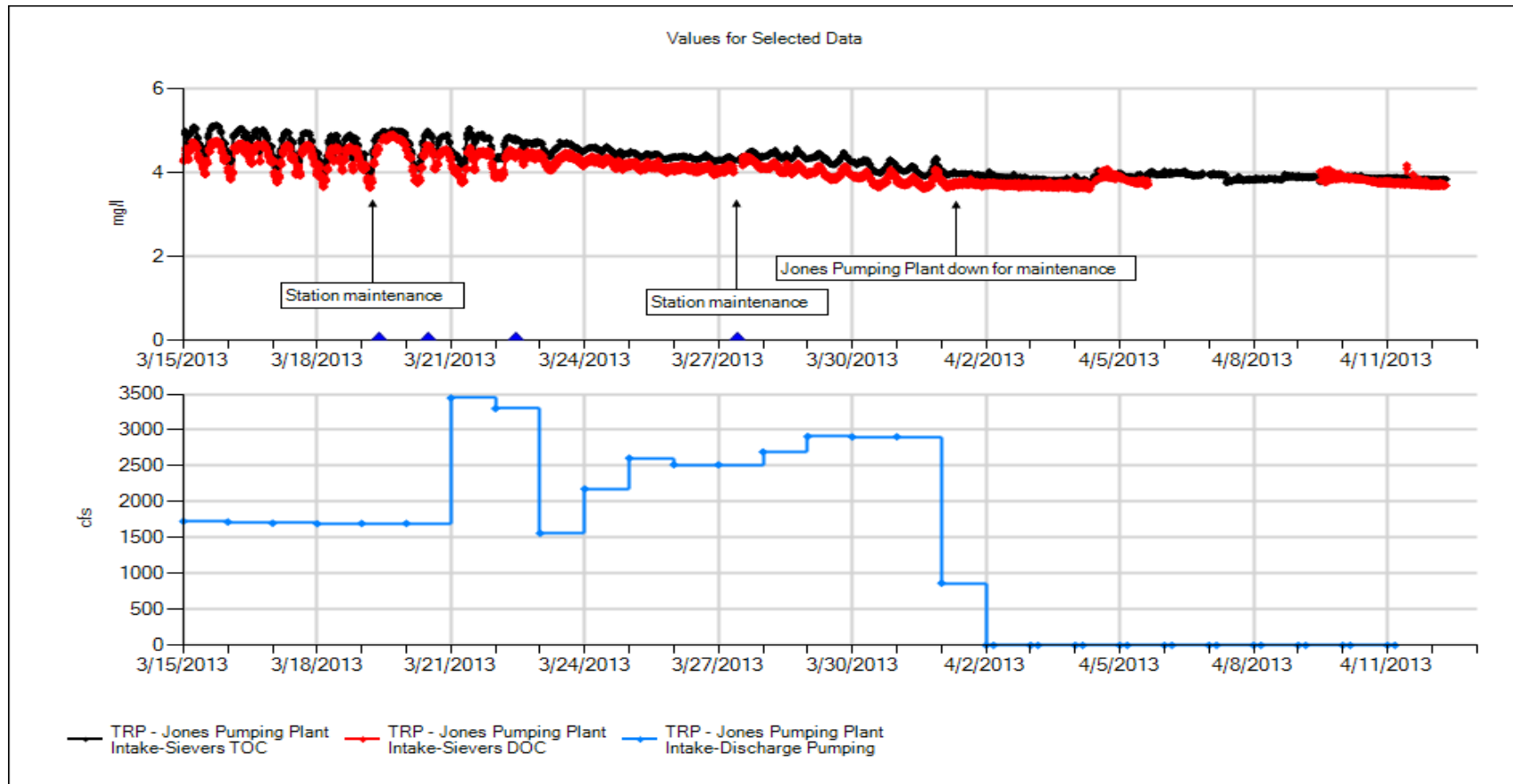
## Banks Pumping Plant Selected Ions and EC



## Events

- 3/19 - Sample delivery system filter replacement.
- 3/27 - Sample delivery system filter replacement. QC samples analyzed.
- 4/4 - Sample delivery system filter replacement. Canal about 4 feet lower than last visit, no pumping while at station.
- 4/9 - Sample delivery system filter replacement.

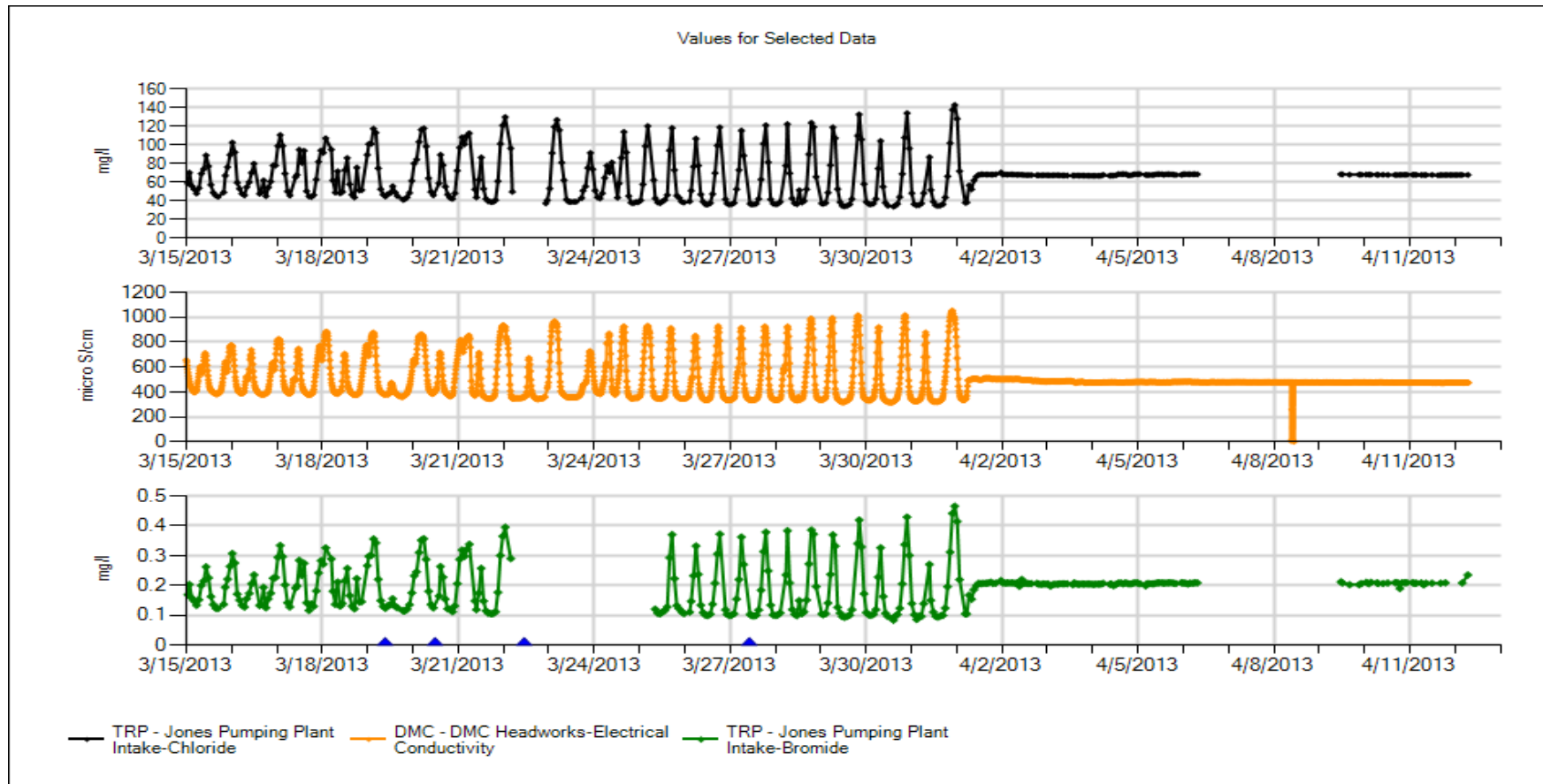
## Jones Pumping Plant Organic Carbon and Pumping



### Events

- 3/19 - Sample delivery system filter replacement.
- 3/27 - Sample delivery system filter replacement.
- 4/1 - Jones Pumping Plant down for maintenance.

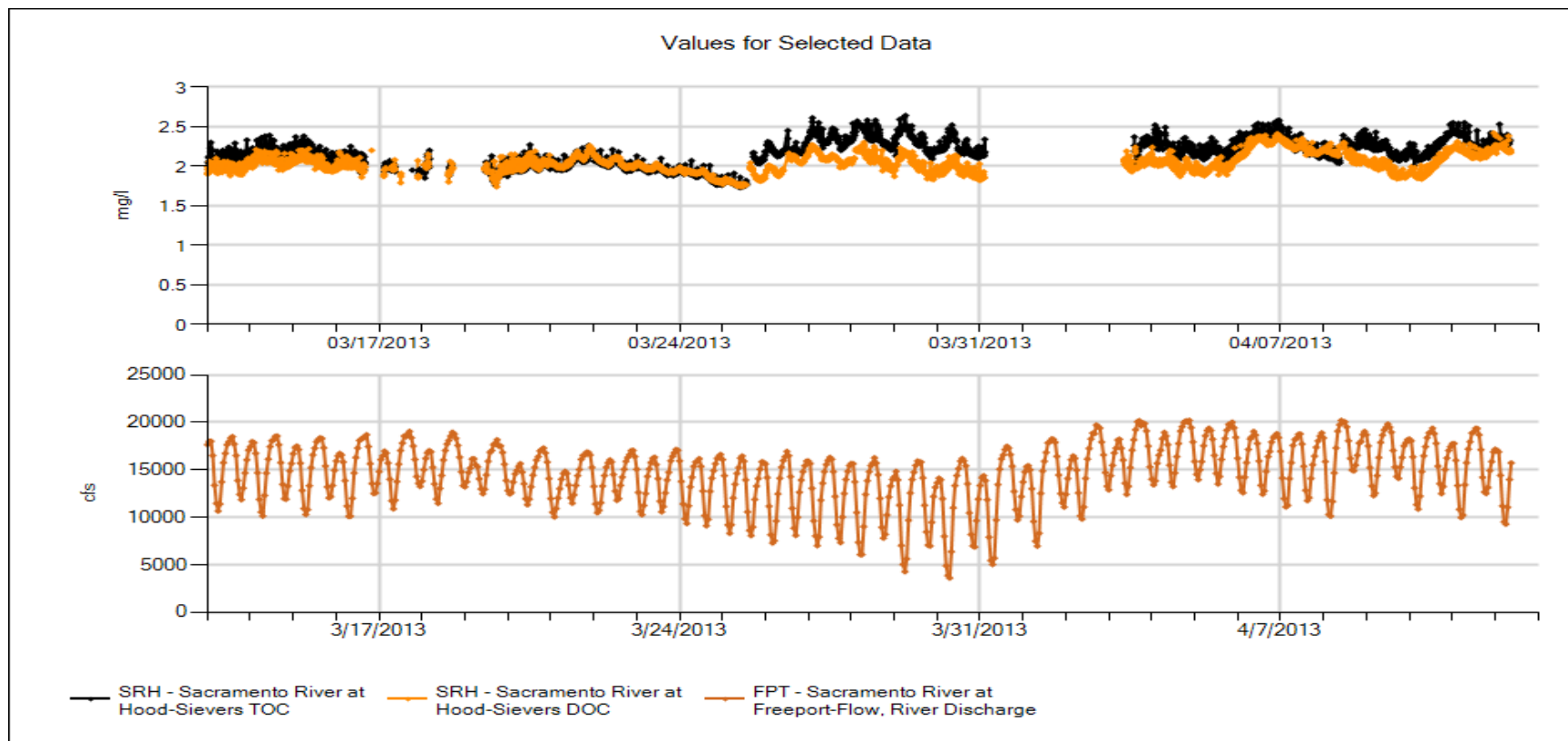
## Jones Pumping Plant Selected Ions and EC



### Events

- 3/19 - Sample delivery system filter replacement.
- 3/22 – Dionex overpressure. Repaired system and re started. Reporting errors occurred.
- 3/27 - Sample delivery system filter replacement.
- 4/1 – Jones Pumping Plant down for maintenance.

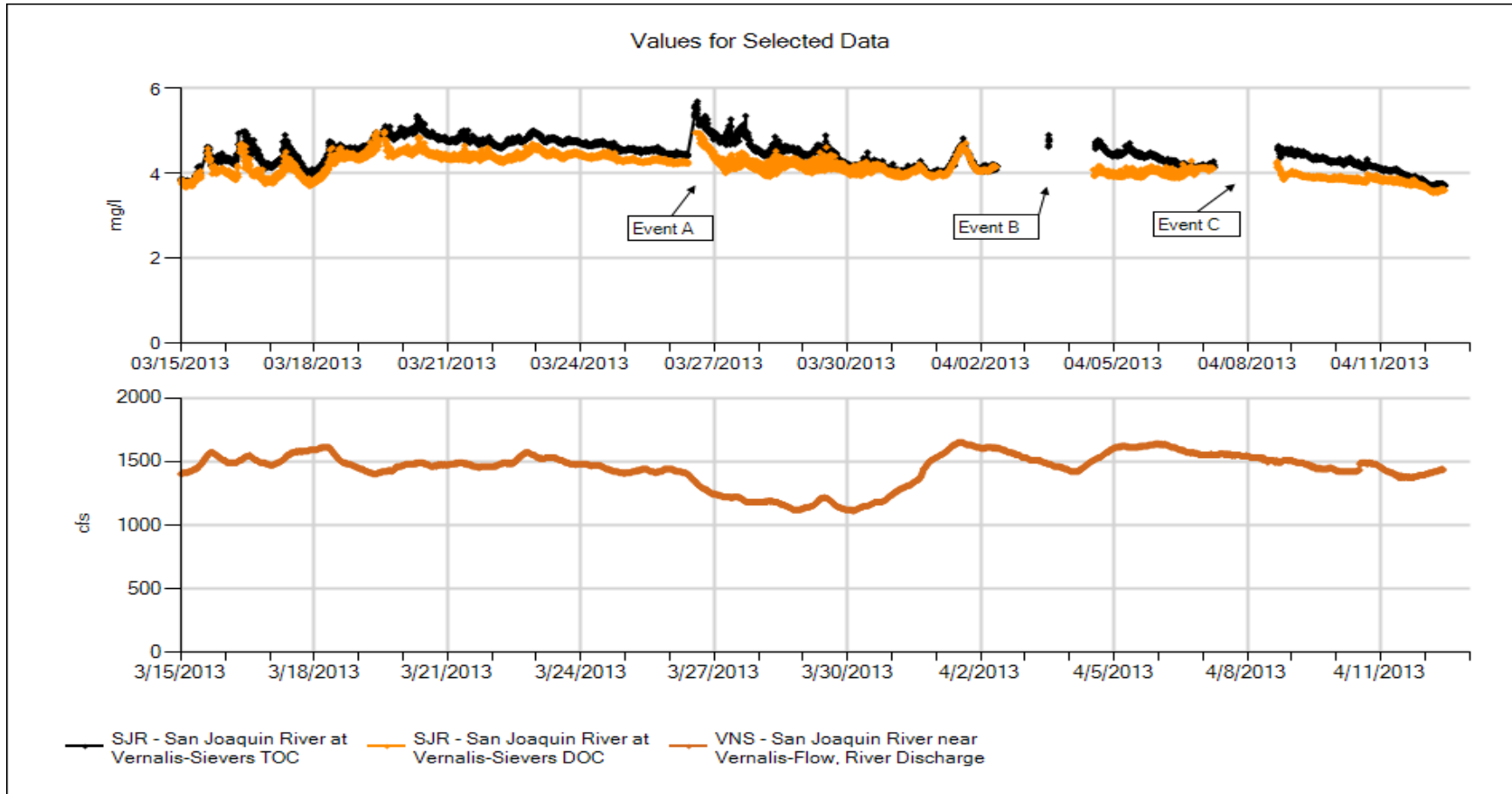
## Sacramento River at Hood, TOC and DOC



### Events

- **3/19:** filter change
- **3/26:** filter change
- **3/25:** IOS system cleaned.
- **4/3:** filter change and instruments were turned back on from power outage.
- **4/8:** filter change.

## Vernalis Organic Carbon and SJR Flow

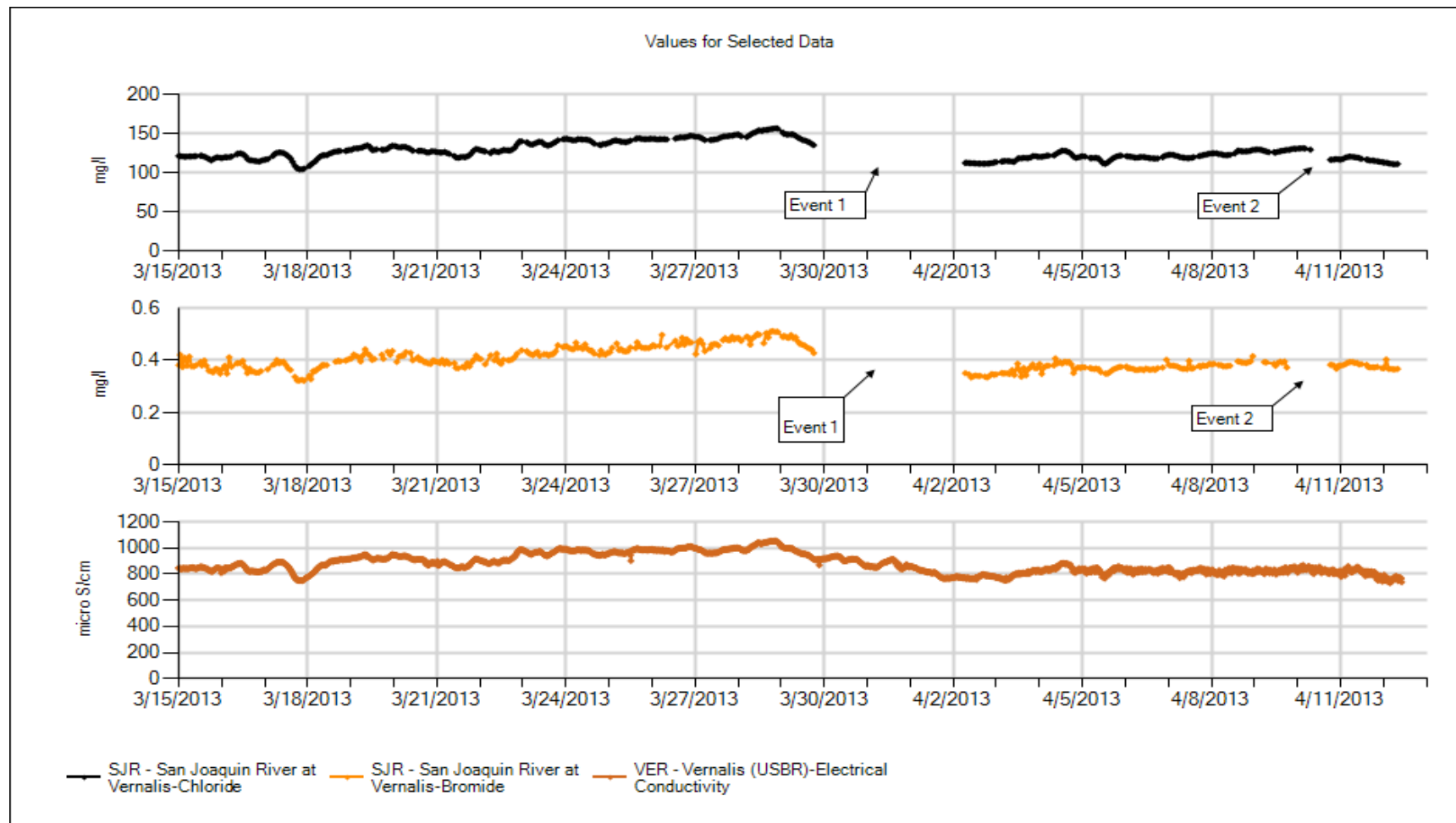


**Event A:** 3/26 filter change, the filters were clogged and over filtering the TOC line. Filter changes occurred on: 3/19, 3/26, 4/3, 4/8.

**Event B:** Clogged filters resulted in no flow through the DOC line, interrupting the stream-splitter and carbon analyzer. The Sievers then had an oxidizer syringe error that was corrected with a quick site visit by Travis on his way back from Gianelli.

**Event C:** Clogged filters made the RTMQC run a day early. The Sievers also had system errors: History Flash error and internal system error. A firm grade upgrade has thus far fixed the problem, but a new system board was ordered because it was free of charge and on the warranty.

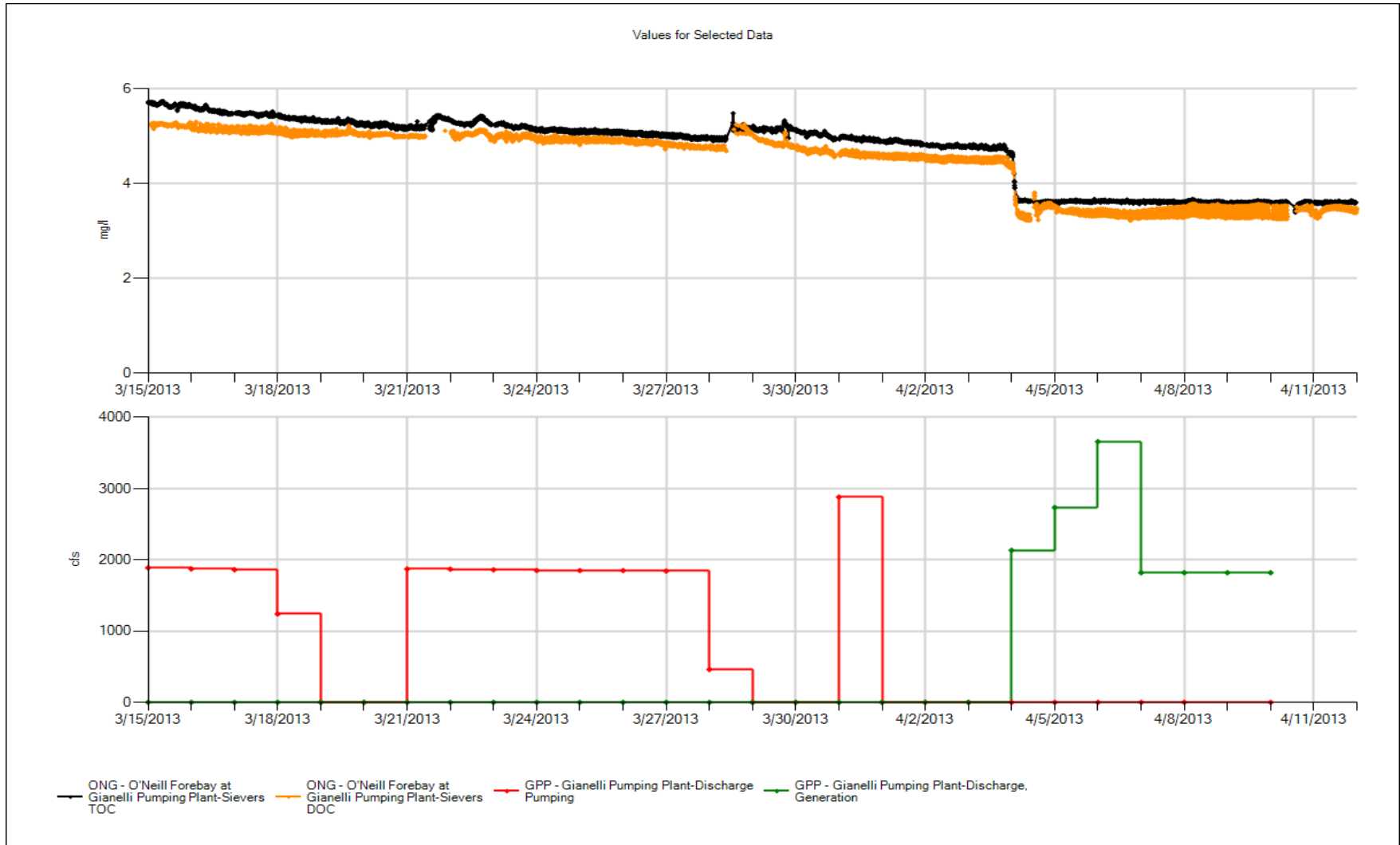
## Vernalis Chloride, Bromide and EC



**Event 1:** The Dionex stopped running samples after the check standard on Friday night; i can't explain why it went idle. It was restarted remotely on the morning of 4/2. **Filter changes** occurred on: 3/19, 3/26, 4/3, 4/8.

**Event 2:** Bromide and nitrate needed a retention time adjustment, then the instrument stopped reporting while it was recalibrating.

Gianelli Organic Carbon and Pumping/Generating:

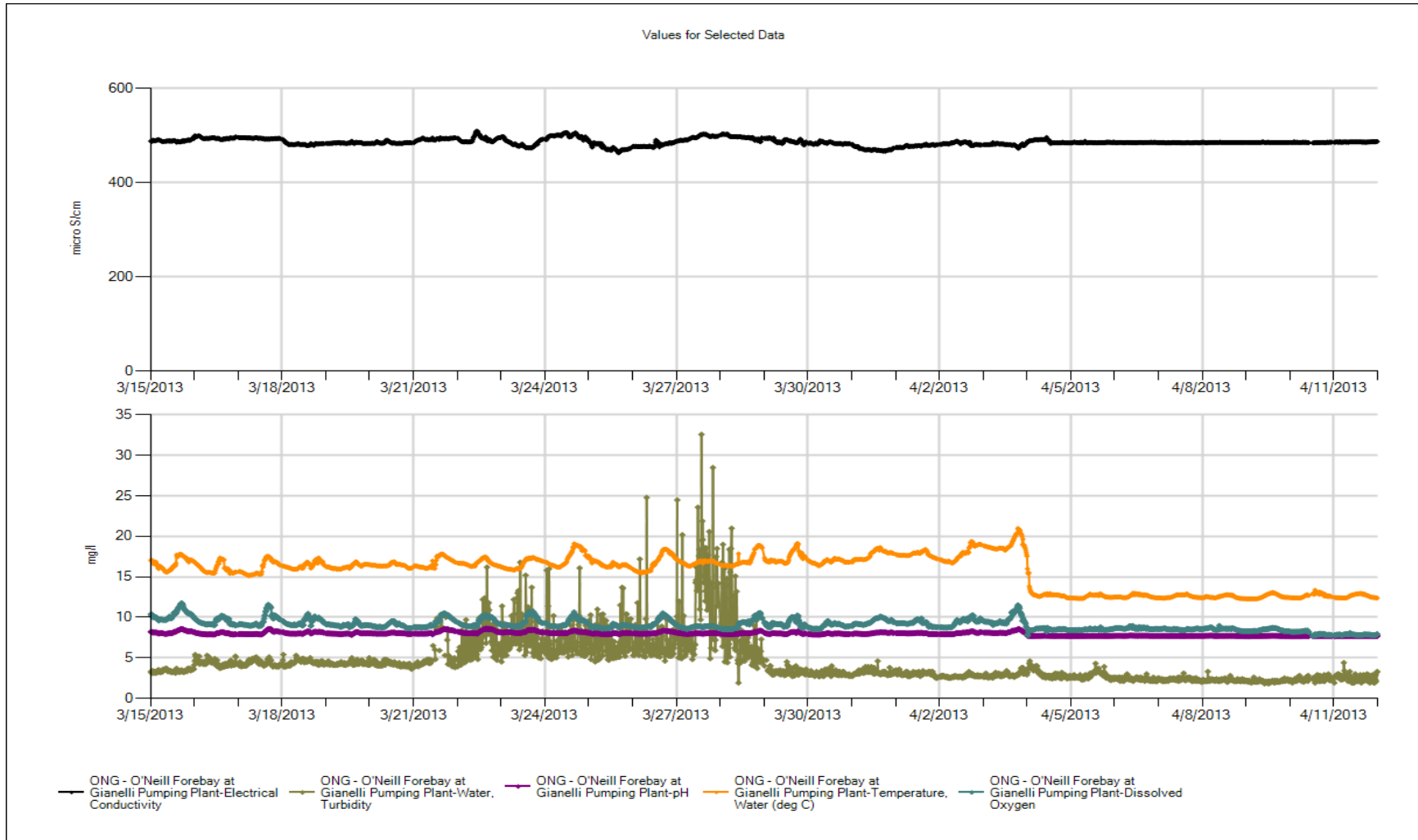


**Gianelli Significant Sievers Events: Mar 15, 2013 – Apr 12, 2013**

Passed QC on **3/28** and **4/10**.



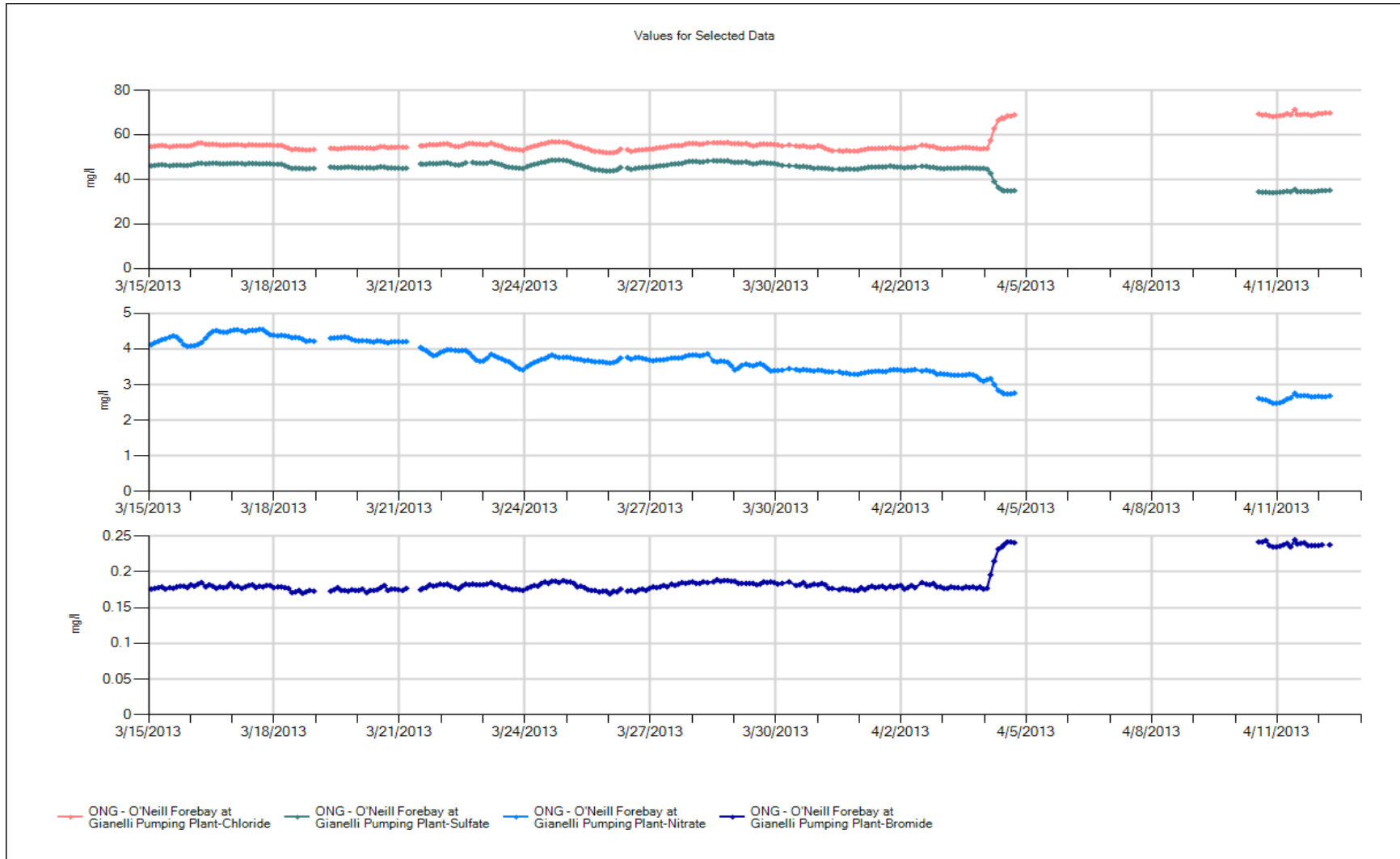
Gianelli Sonde (EC, DO, Temp, Turbidity, pH):



**Gianelli Significant Sonde Events: Mar 15, 2013 – Apr 12, 2013**

Sediment in the sonde housing caused erratic turbidity readings from 3/22 to 3/29.

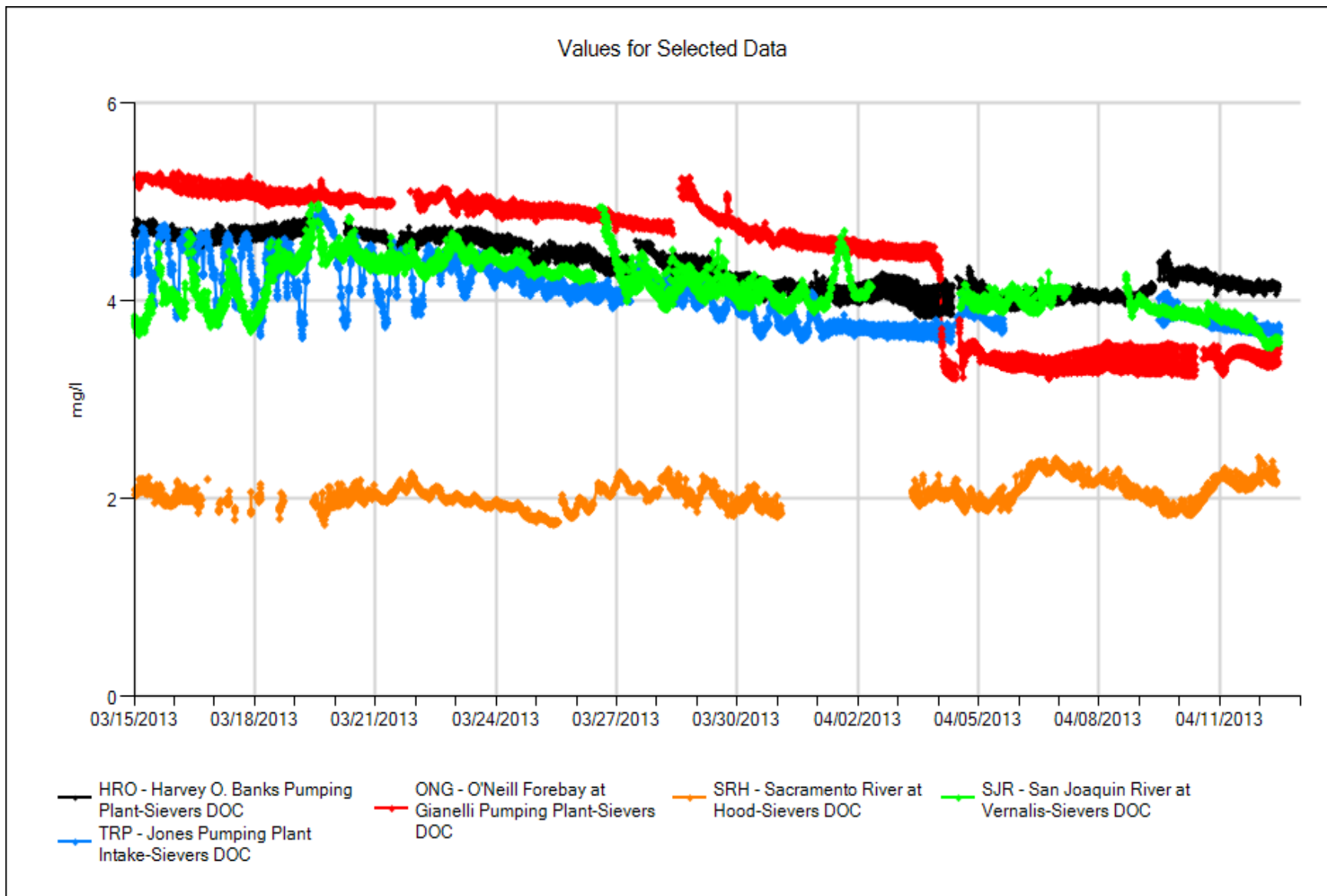
Gianelli Anions (Chloride, Sulfate, Nitrate, & Bromide):



**Gianelli Significant Metrohm Events: Mar 15, 2013 – Apr 12, 2013**

The Metrohm shut down due to a loss in communication and remained off from **4/4** through **4/10**.

Doc at all stations



### Bromide and EC at Selected Stations

