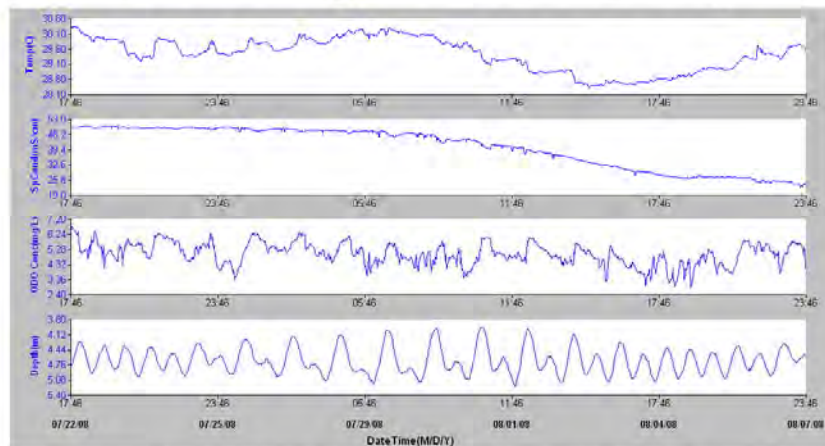




Telemetry: Data Analysis of Telemetered Data

Biofouling – Conductivity



Data set shows a gradual decrease in the Specific Conductivity data, which typically indicates the impact of biofouling inside the conductivity cell.

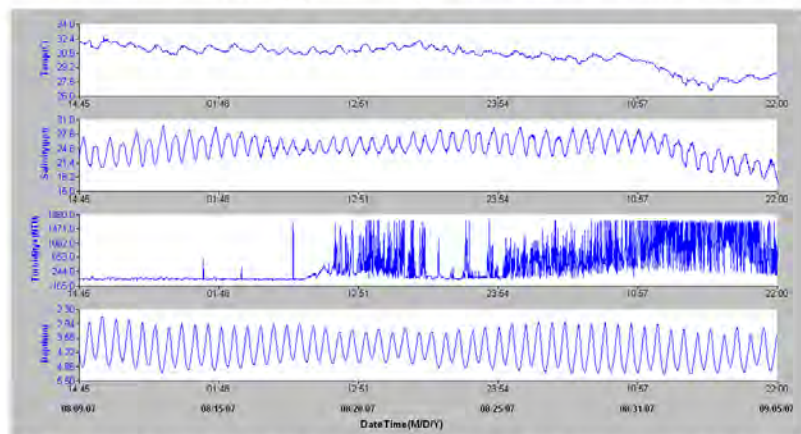
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Telemetry: Data Analysis of Telemetered Data

Biofouling – Optical Sensors



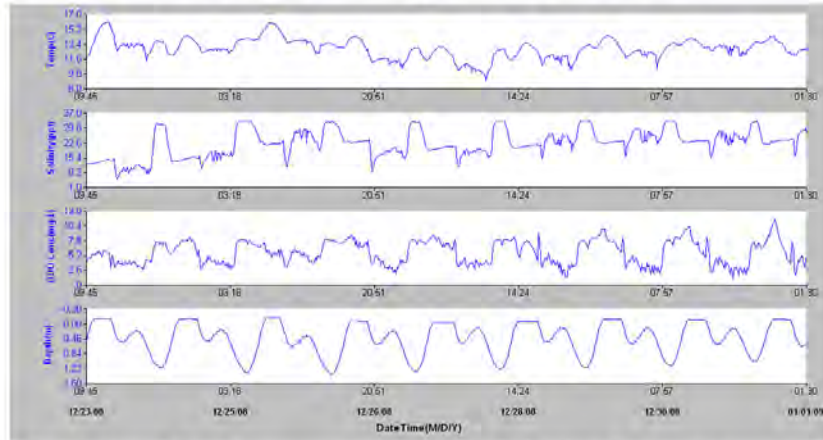
Data shows a turbidity wiper without anti-fouling protection. The turbidity data first starts to increase and then continually spikes. This turbidity sensor was not equipped with the new Hall Effect sensor. The artificial spikes demonstrate the need for a wiper and other anti-fouling components.

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Sensors Exposed to Air



Depth data with flat lines means the sensor is out of water. This also shows corrupted salinity readings from the conductivity cell becoming partially exposed to air and coinciding spikes in the dissolved oxygen due to the huge drops in salinity.

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Figure 1: Graphs of data indicating thermograph burial in sediment

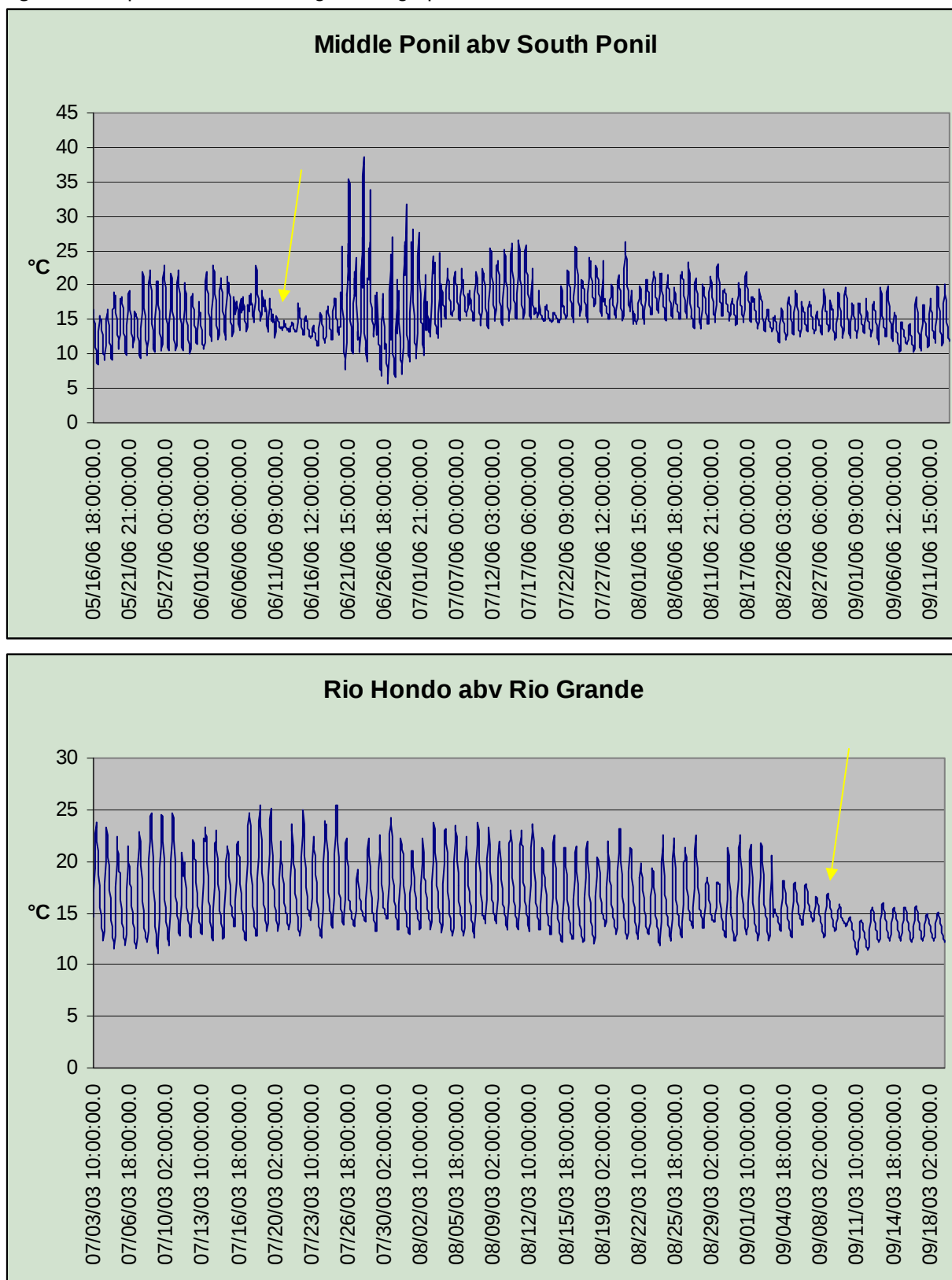


Figure 2: Graphs of data indicating thermograph exposure

