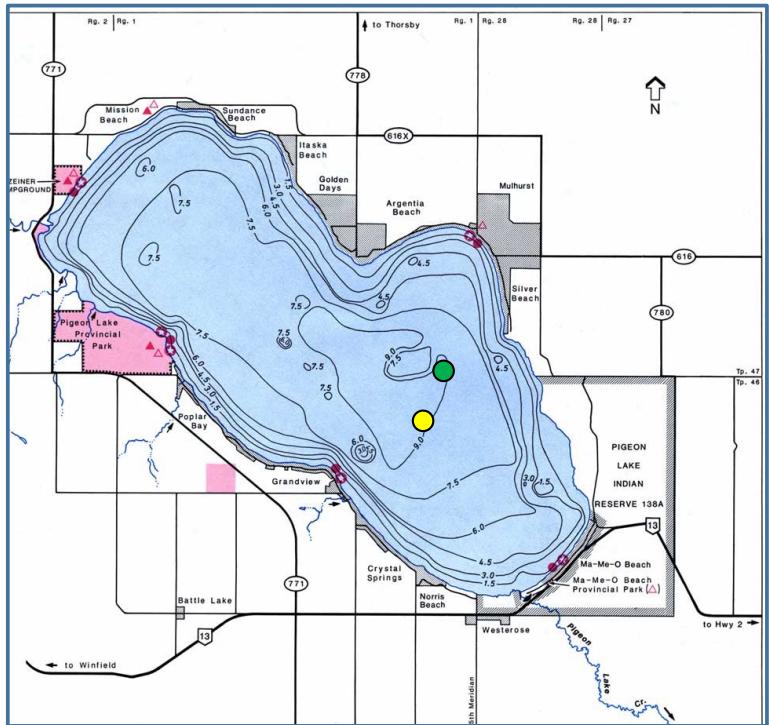


DRAWING DIMENSIONS IN INCHES

1



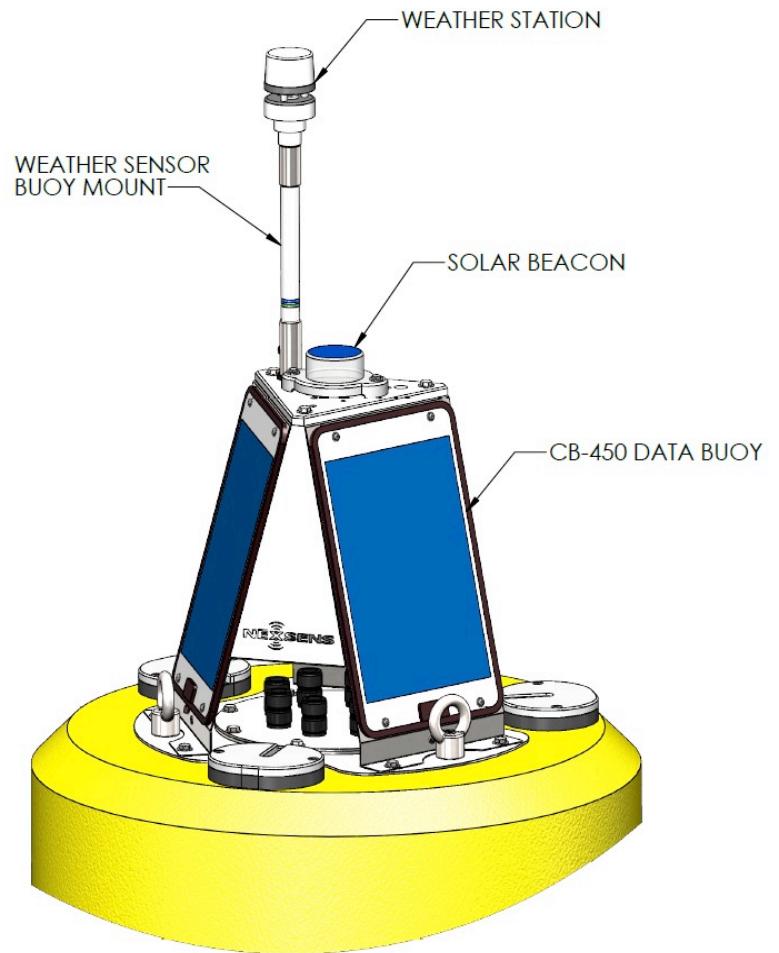
Source: Atlas of Alberta Lakes

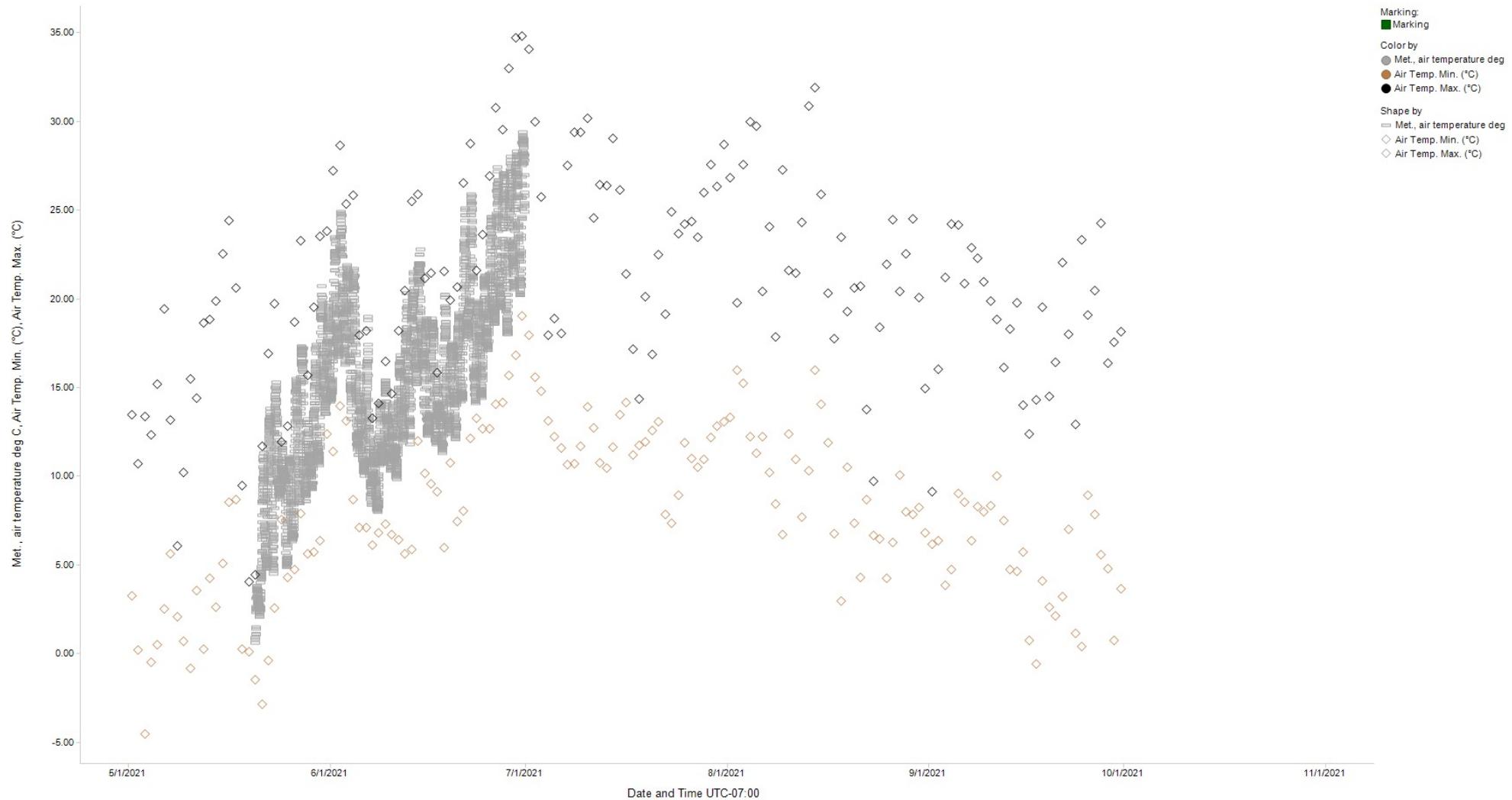
Alberta

Type of Data Collected

Weather: Gill MaxiMet GMX500

- Air temperature
- Atmospheric (barometric) pressure
- Absolute and relative humidity
- Wind speed and direction

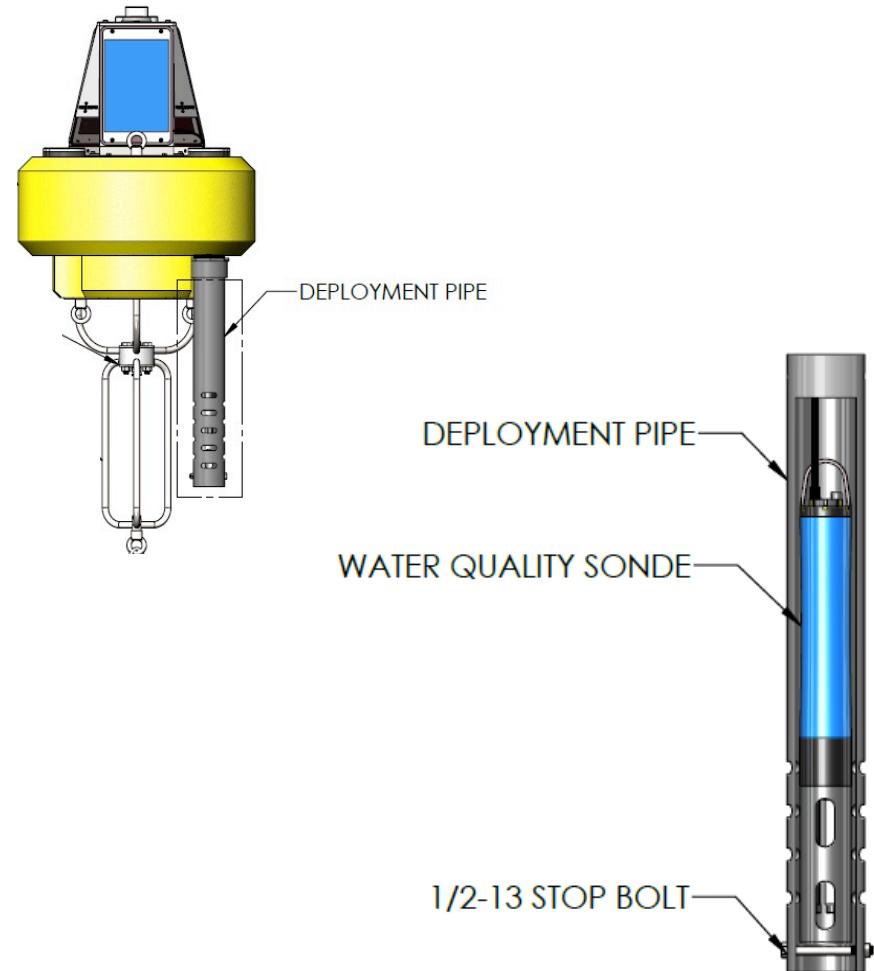




Type of Data Collected

Water Quality at 1 m below surface with YSI EXO2 Multiparameter Sonde

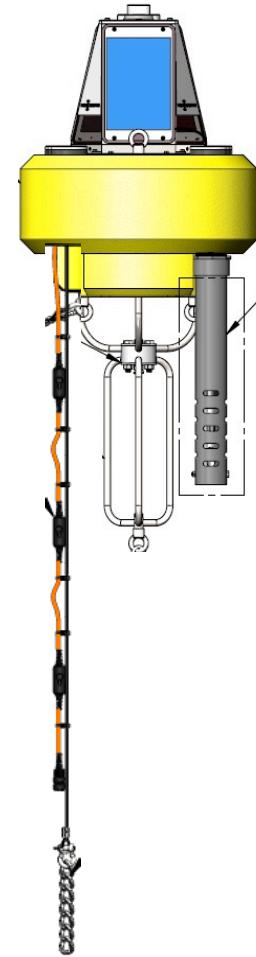
- Sensors
 - Temperature and Conductivity
 - pH and ORP
 - Dissolved oxygen
 - Turbidity
 - Chlorophyll and Phycocyanin
- Wiper



Type of Data Collected

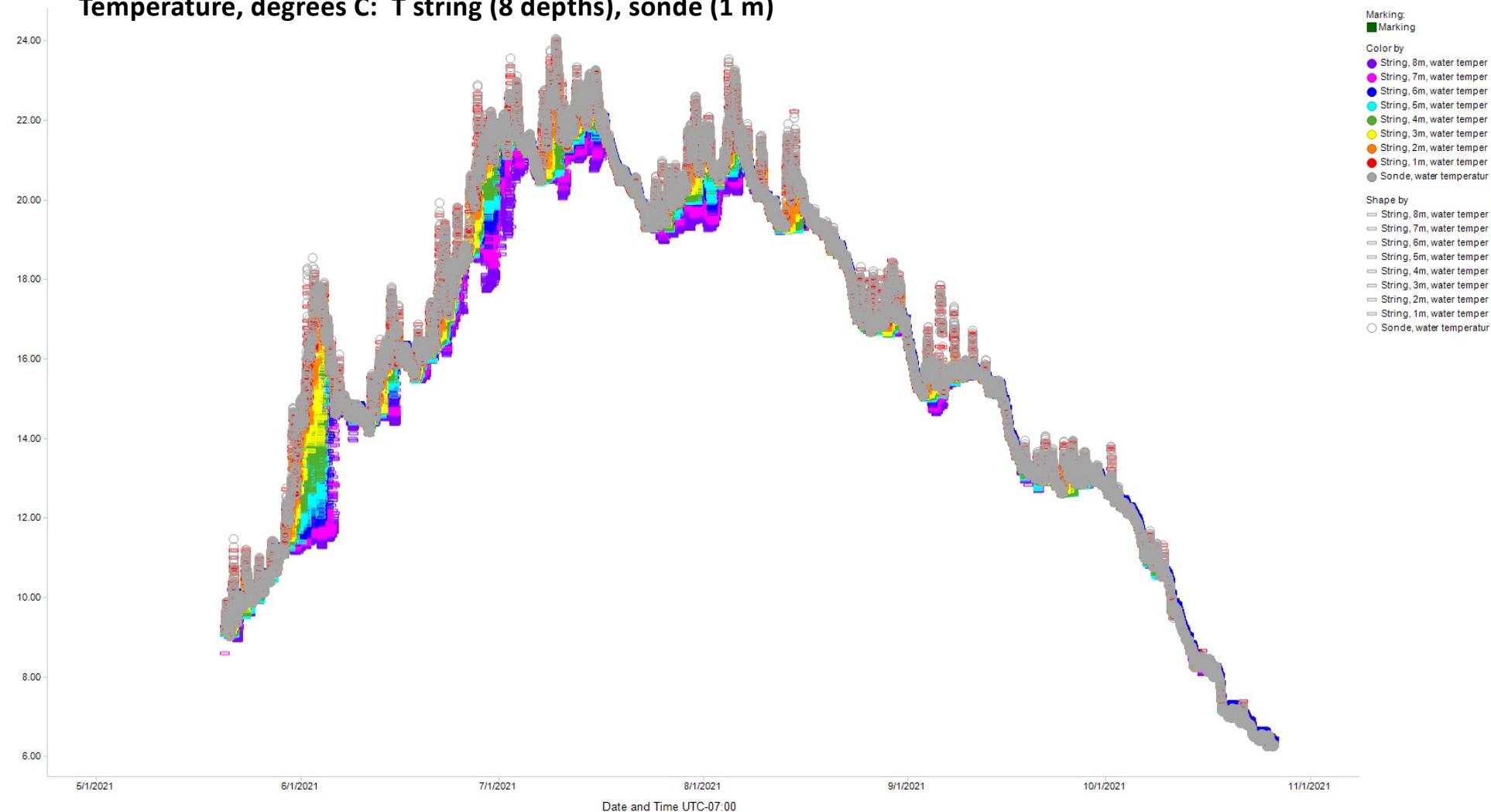
Temperature and dissolved oxygen “string”

- Temperature sensors every (vertical) meter of water column
- Dissolved oxygen sensors for bottom three meters

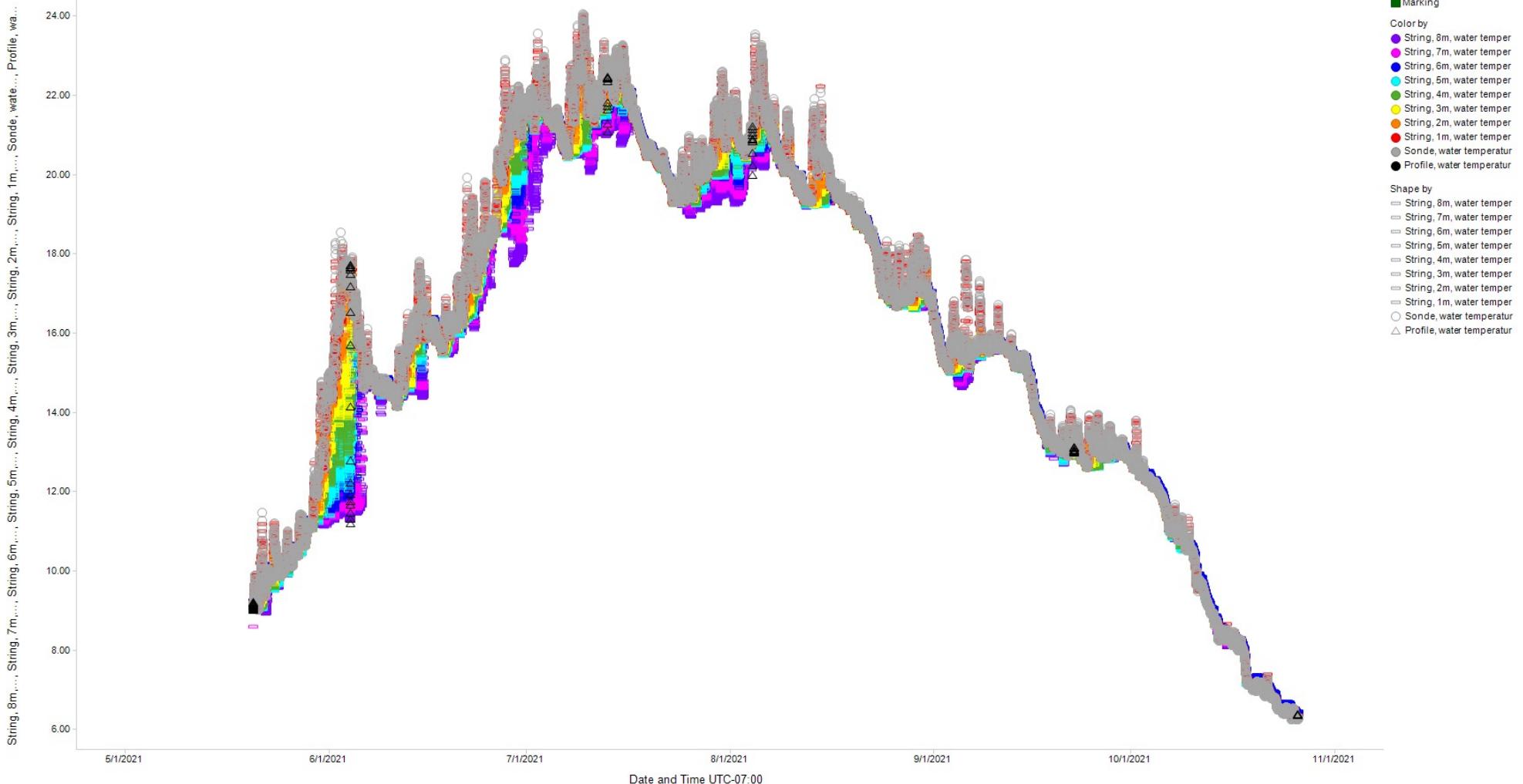


String, 8m, w..., String, 7m, w..., String, 6m, w..., String, 5m, w..., String, 4m, w..., String, 3m, w..., String, 2m, w..., String, 1m, w..., String, 1m, w..., Sonde, water ...

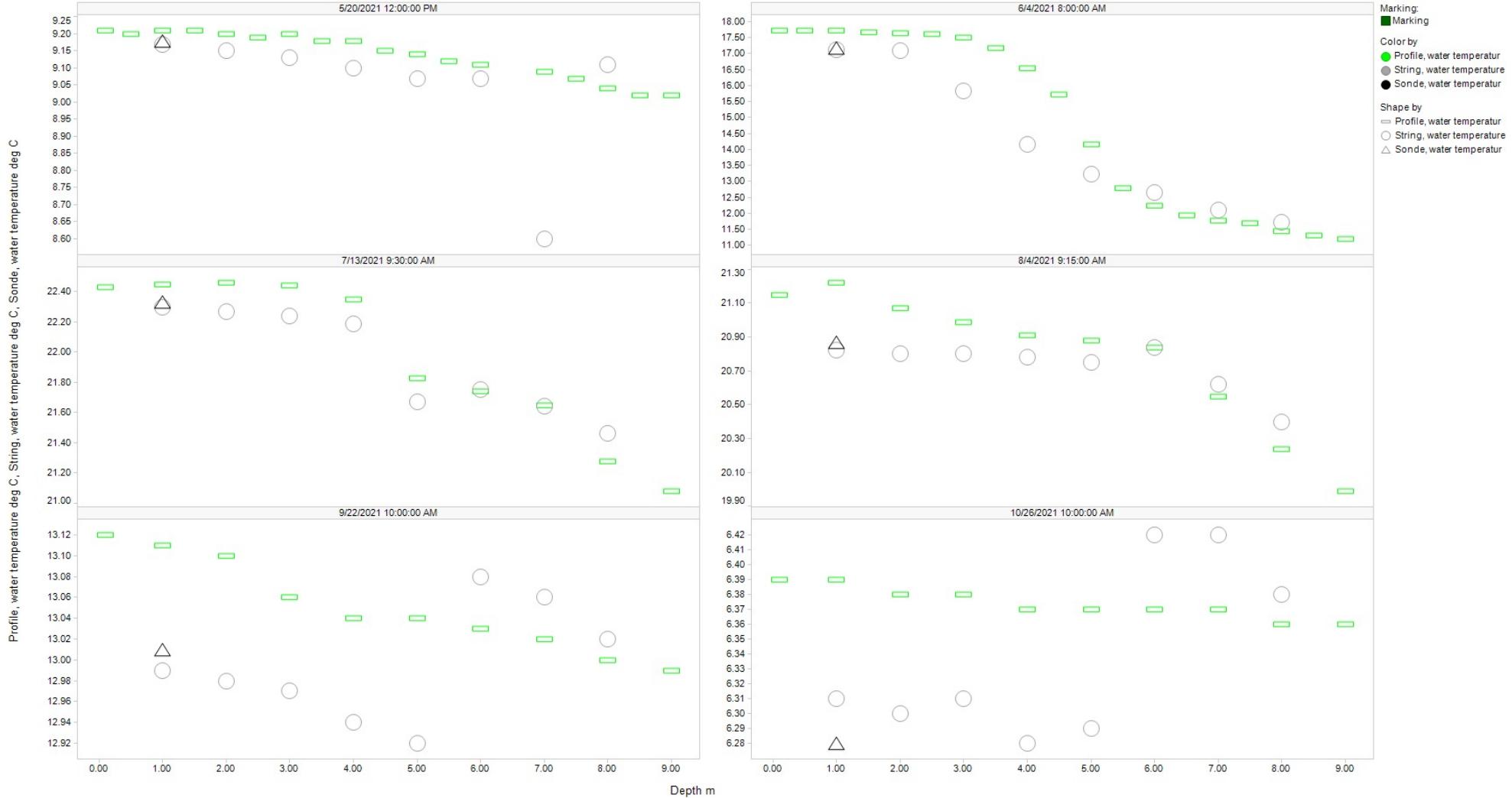
Temperature, degrees C: T string (8 depths), sonde (1 m)



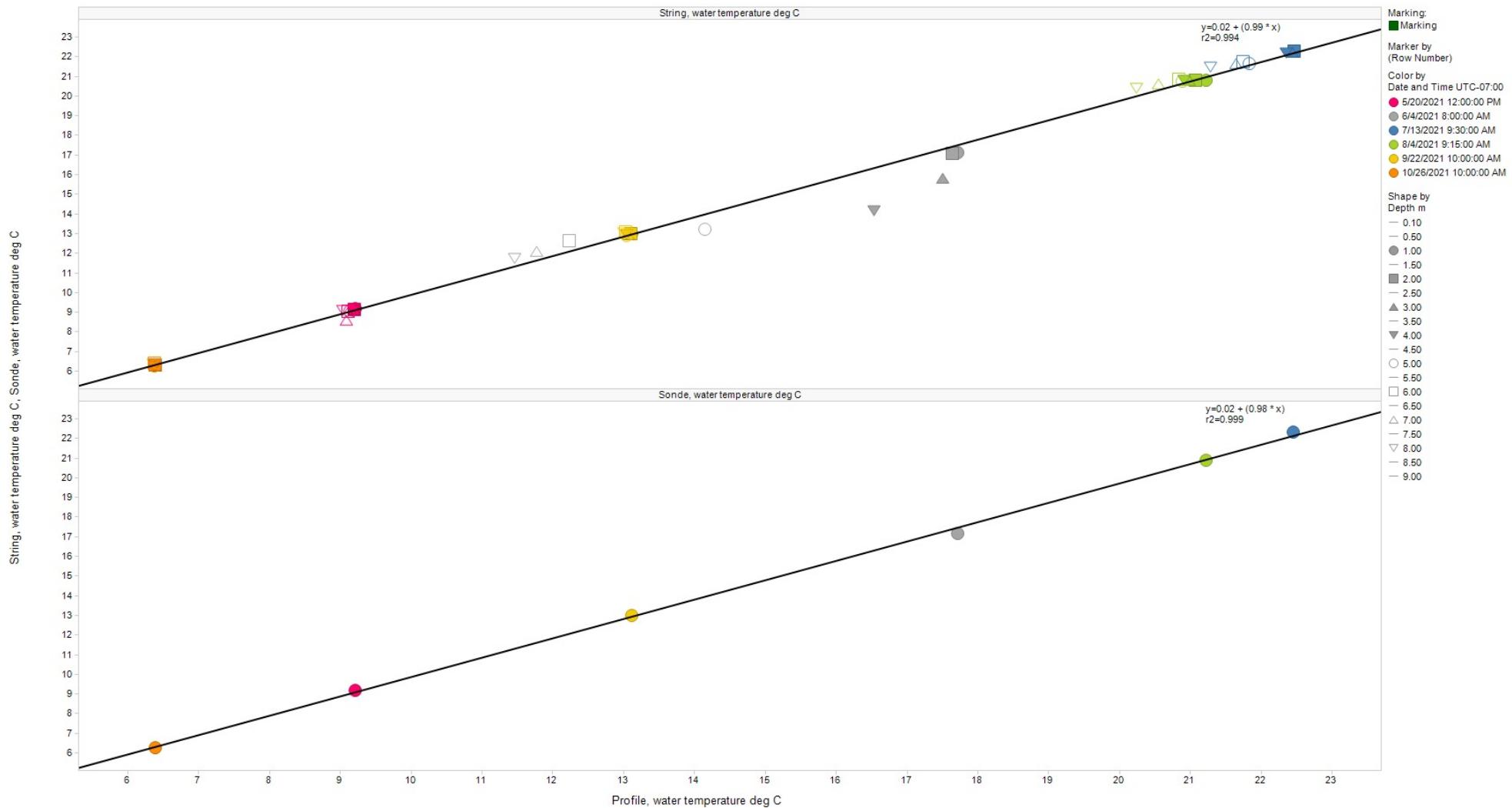
Temperature, degrees C: T string (8 depths), sonde (1 m), manual profiles



Temperature (degrees C) versus depth (m) for five dates: T string (8 depths), sonde (1 m), manual profiles



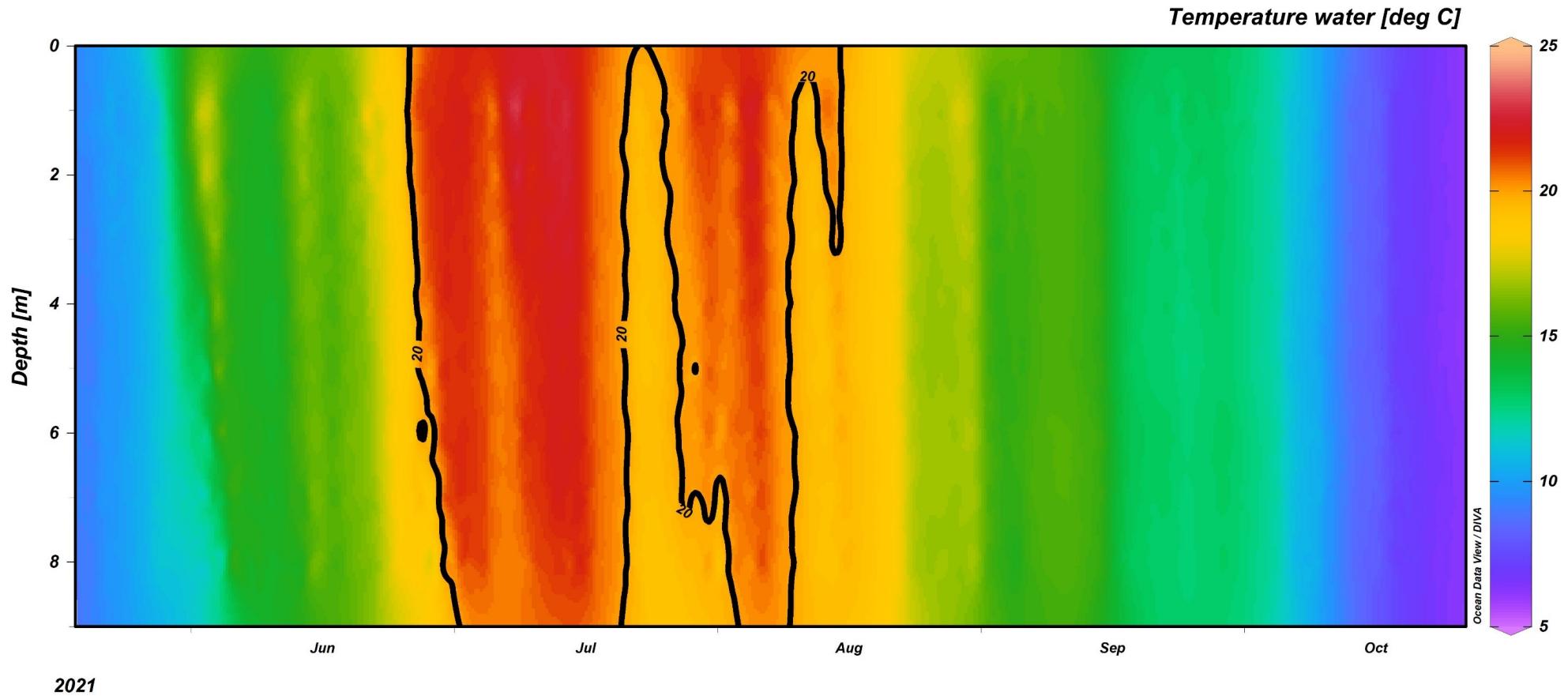
Temperature (degrees C) comparisons; buoy data are valid



Temperature, degrees C: T string (8 depths), sonde (1 m), manual profiles



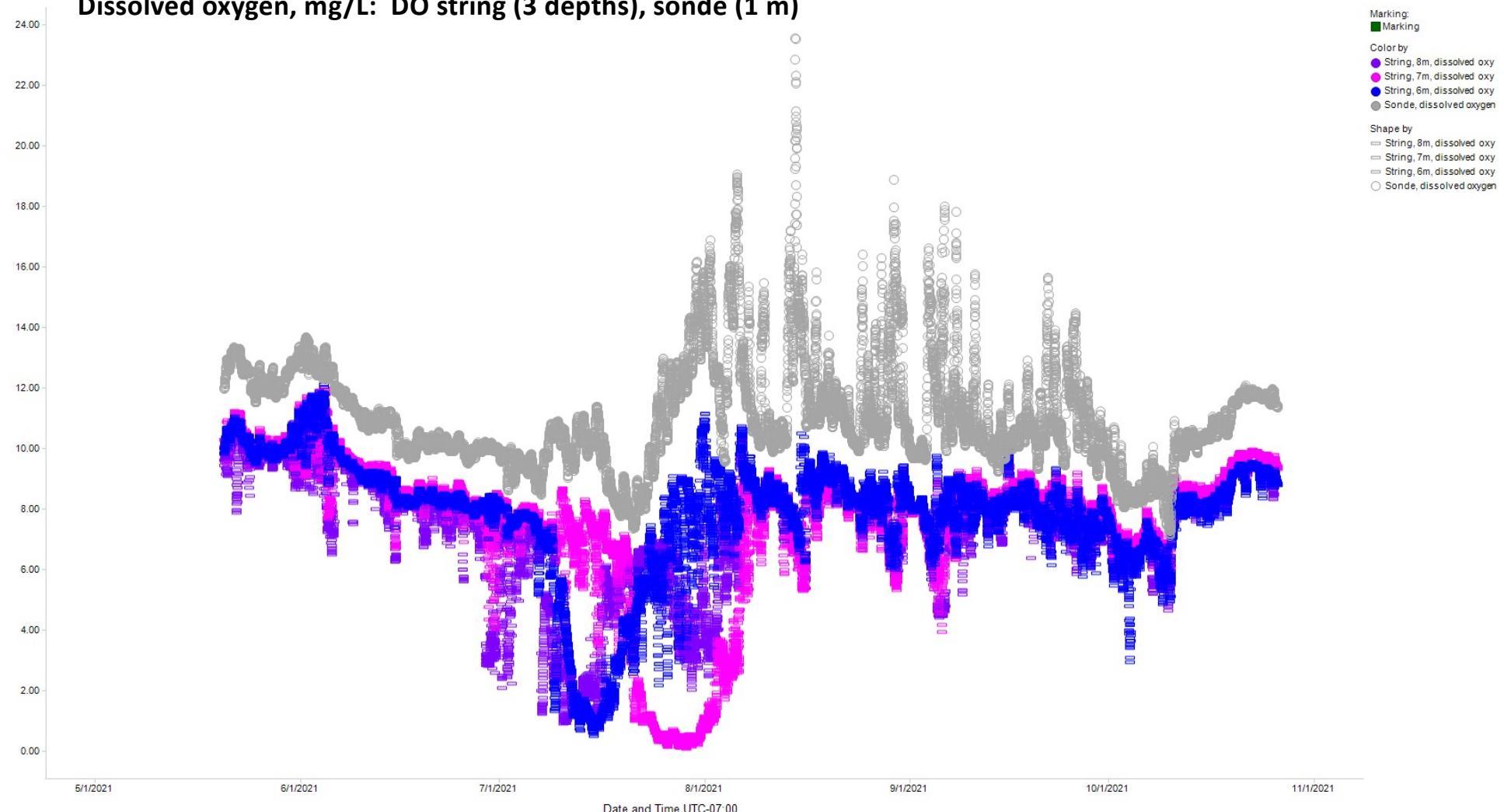
Temperature, degrees C: T string (8 depths)



20°C= Adult-chronic criterion for lake whitefish

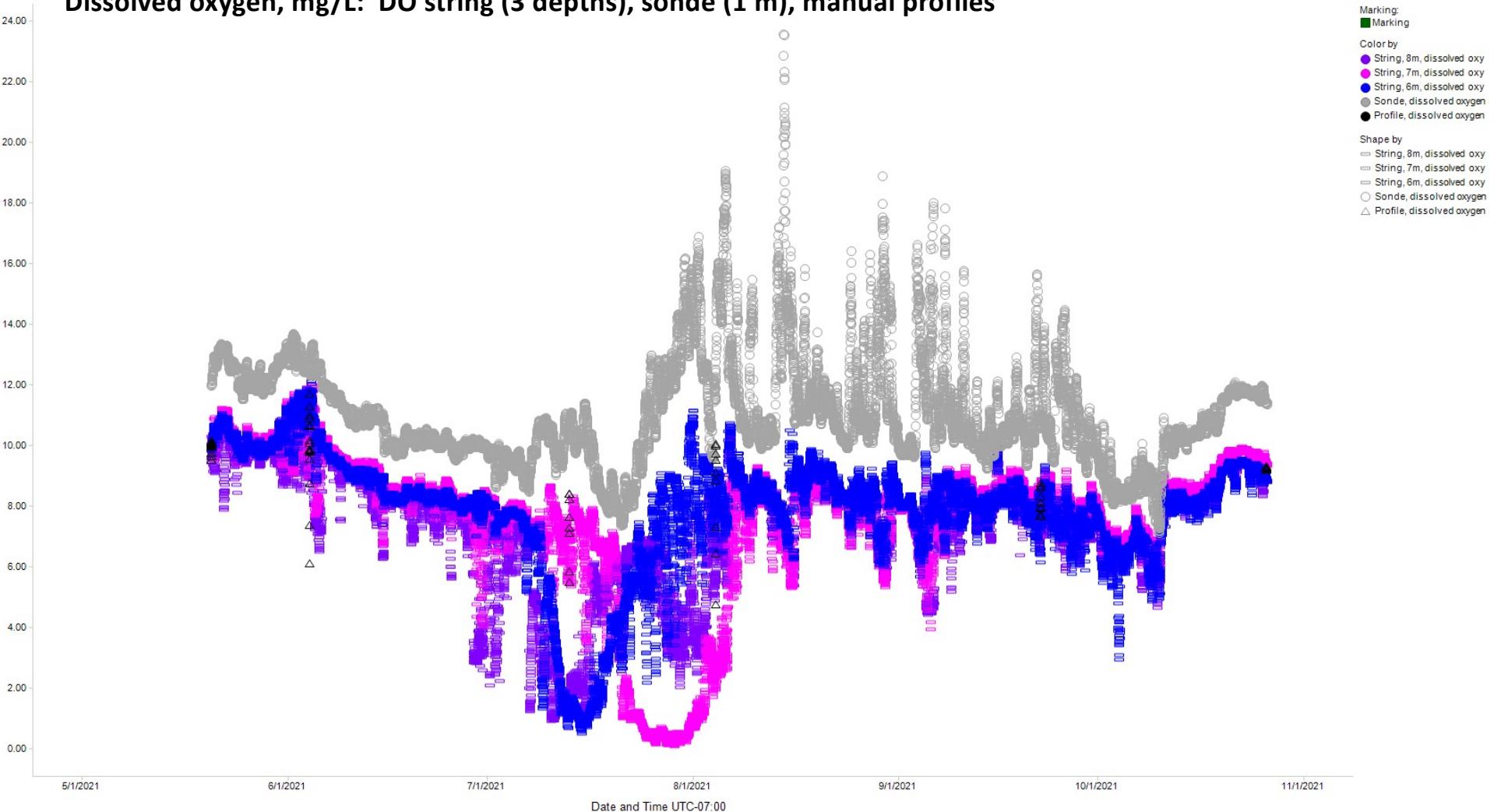
String, 8m, dissolved oxygen mg/L, String, 7m, dissolved oxygen mg/L, String, 6m, dissolved oxygen mg/L, Sonde, dissolved oxygen mg/L

Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m)



String, 8m, dissolved oxy..., String, 7m, dissolved oxy..., String, 6m, dissolved oxy..., Sonde, dissolved oxy..., Profile, dissolved oxygen..

Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m), manual profiles

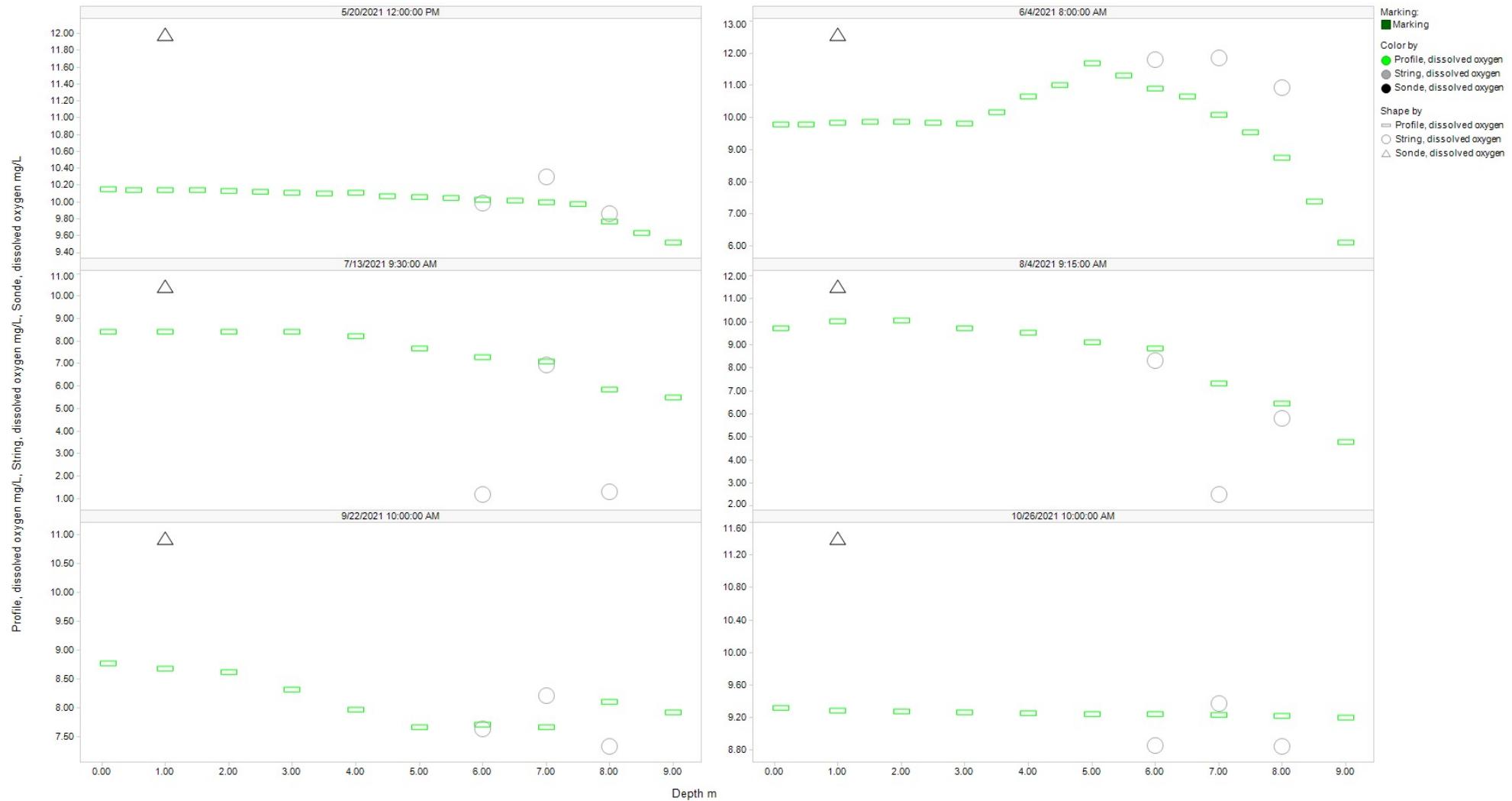


Marking:
■ Marking

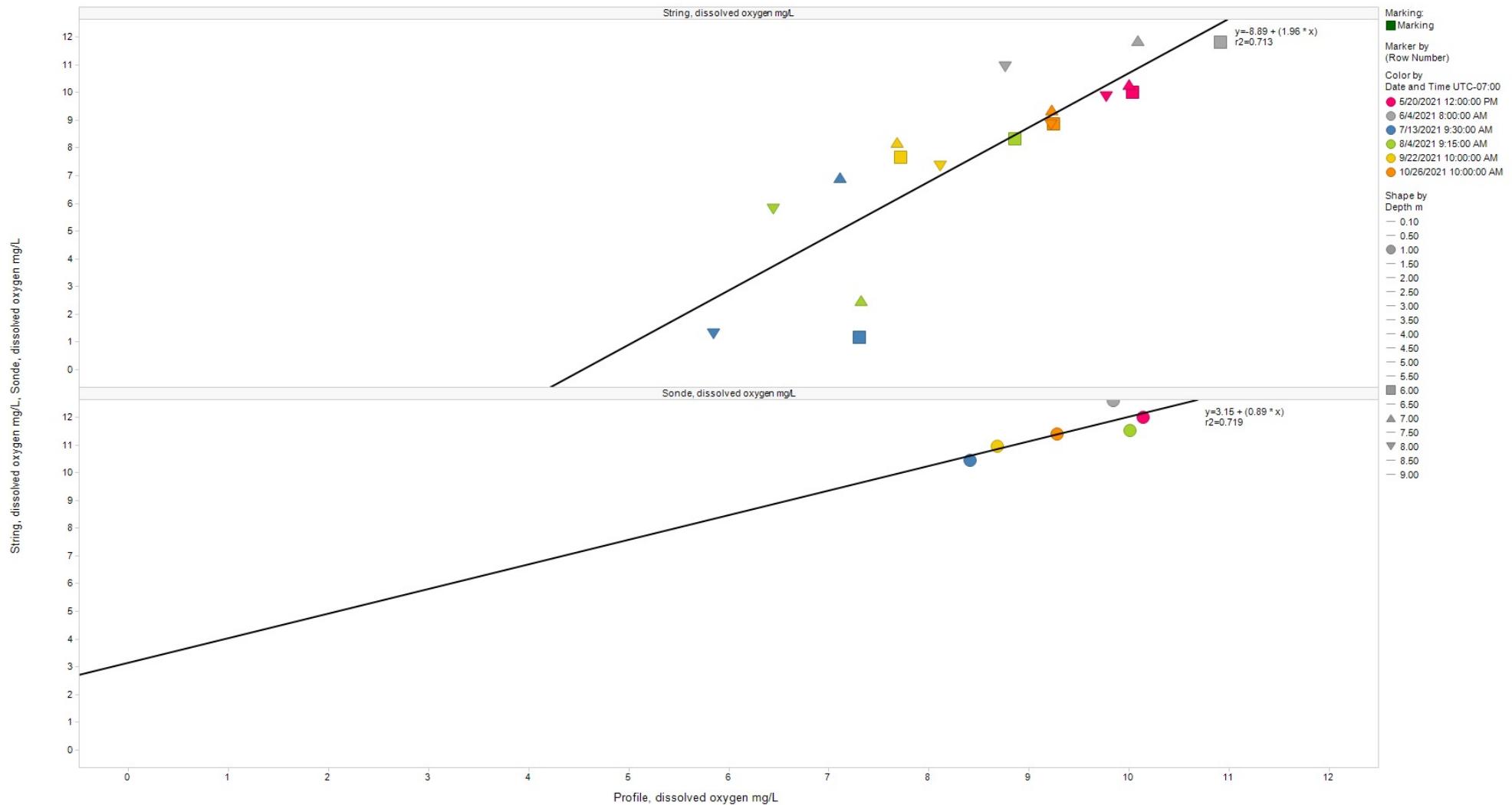
Color by
■ String, 8m, dissolved oxy
■ String, 7m, dissolved oxy
■ String, 6m, dissolved oxy
● Sonde, dissolved oxygen
● Profile, dissolved oxygen

Shape by
□ String, 8m, dissolved oxy
□ String, 7m, dissolved oxy
□ String, 6m, dissolved oxy
○ Sonde, dissolved oxygen
△ Profile, dissolved oxygen

Dissolved oxygen (mg/L) versus depth (m) for five dates: DO string (3 depths), sonde (1 m), manual profiles

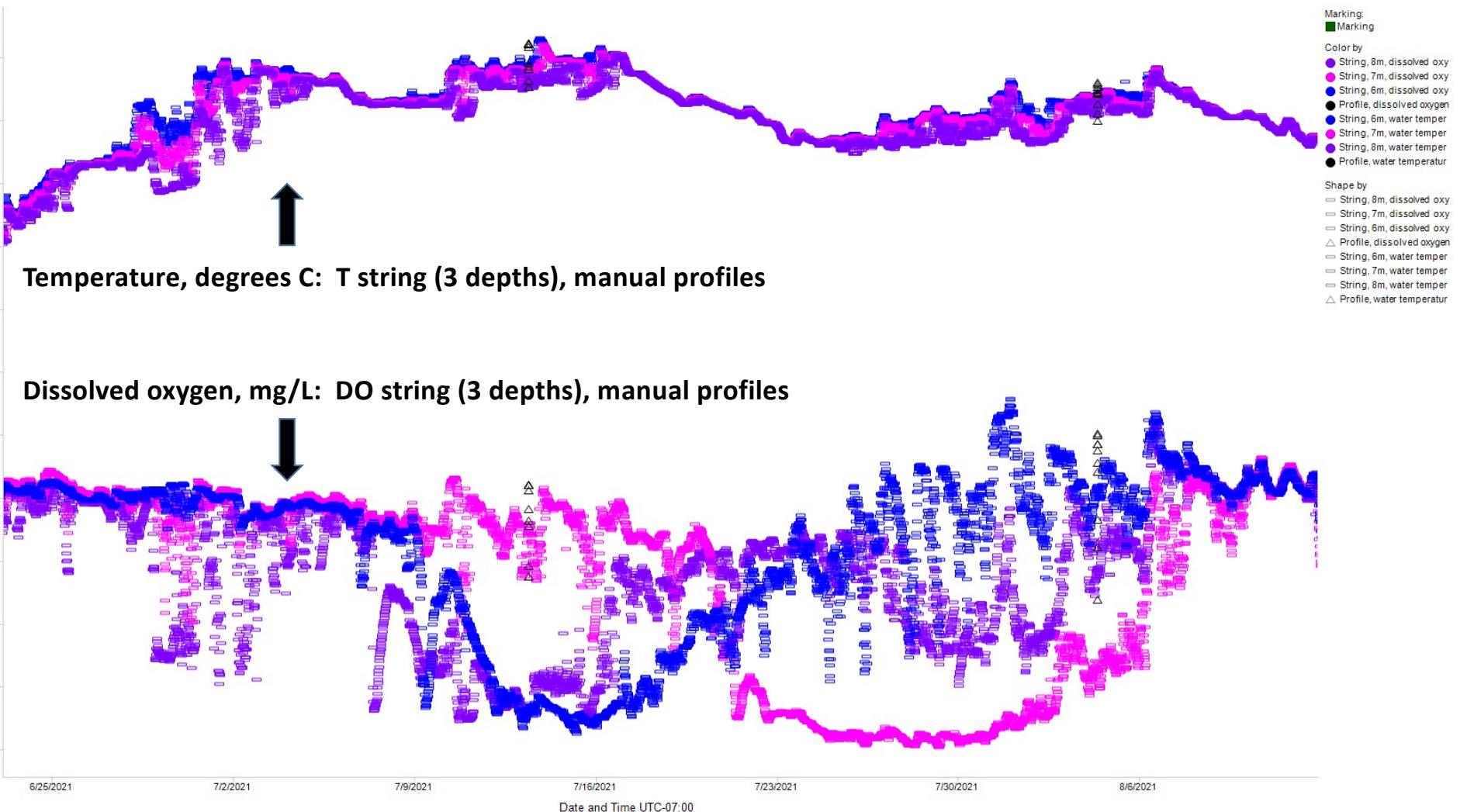


Dissolved oxygen (mg/L) comparisons; buoy data are questionable; need manual cleaning or replacement at regular intervals

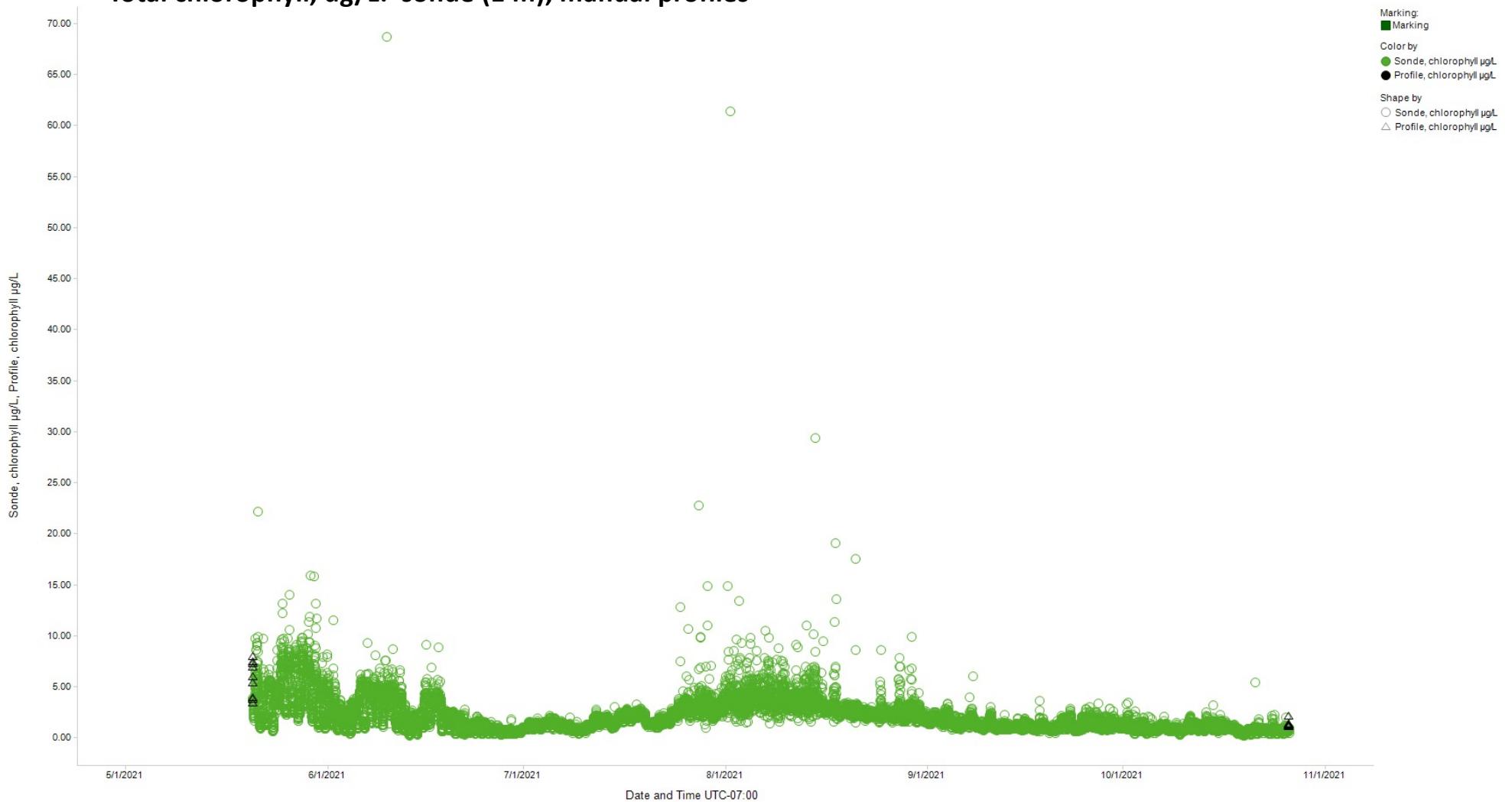


Zoom in

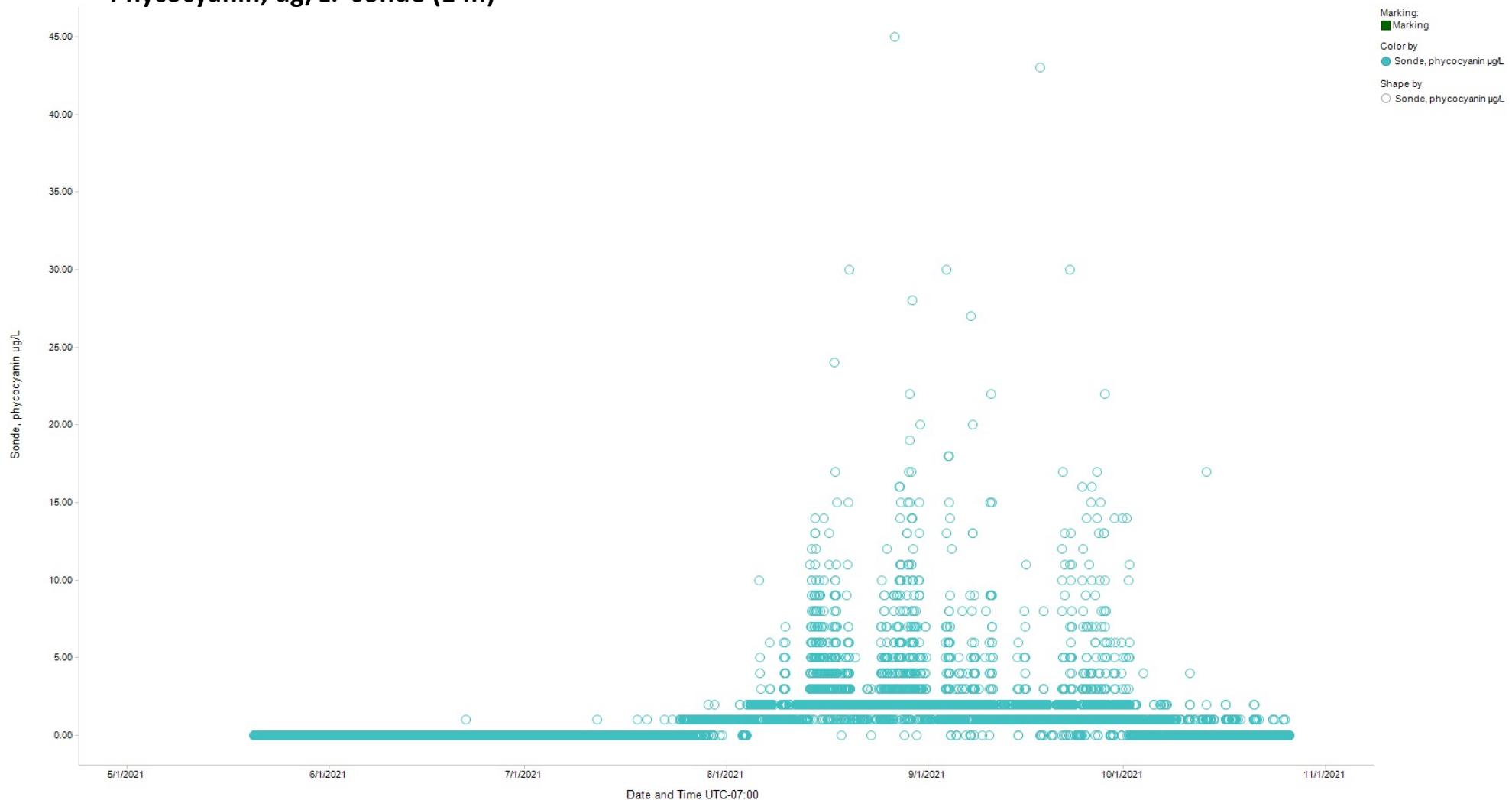
String, 8m, dis... String, 7m, dis... String, 6m, dis... Profile, dissolv... String, 6m, wat... String, 7m, wat... String, 8m, wat... Profile, water ...



Total chlorophyll, ug/L: sonde (1 m), manual profiles



Phycocyanin, ug/L: sonde (1 m)



Total chlorophyll and phycocyanin, ug/L: sonde (1 m)

