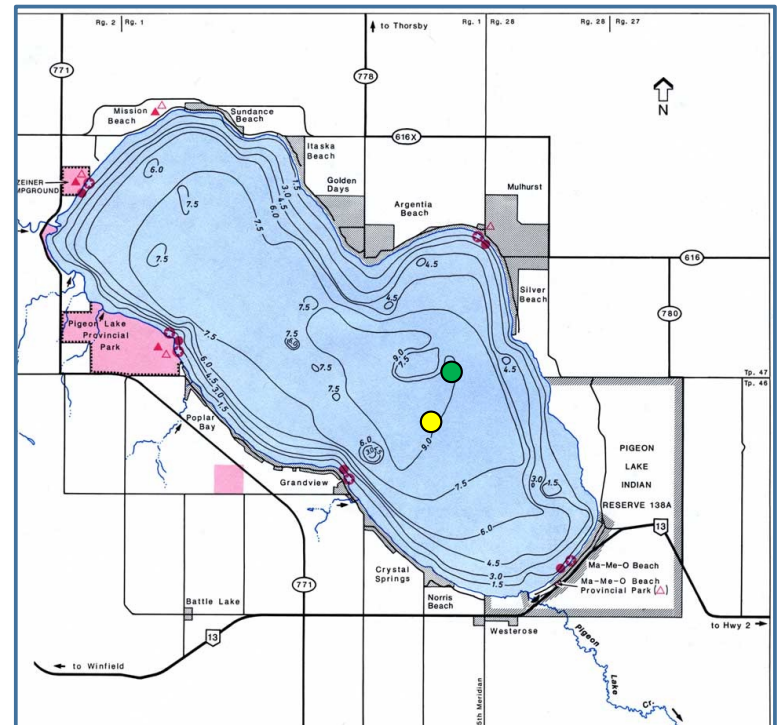


DRAWING DIMENSIONS IN INCHES

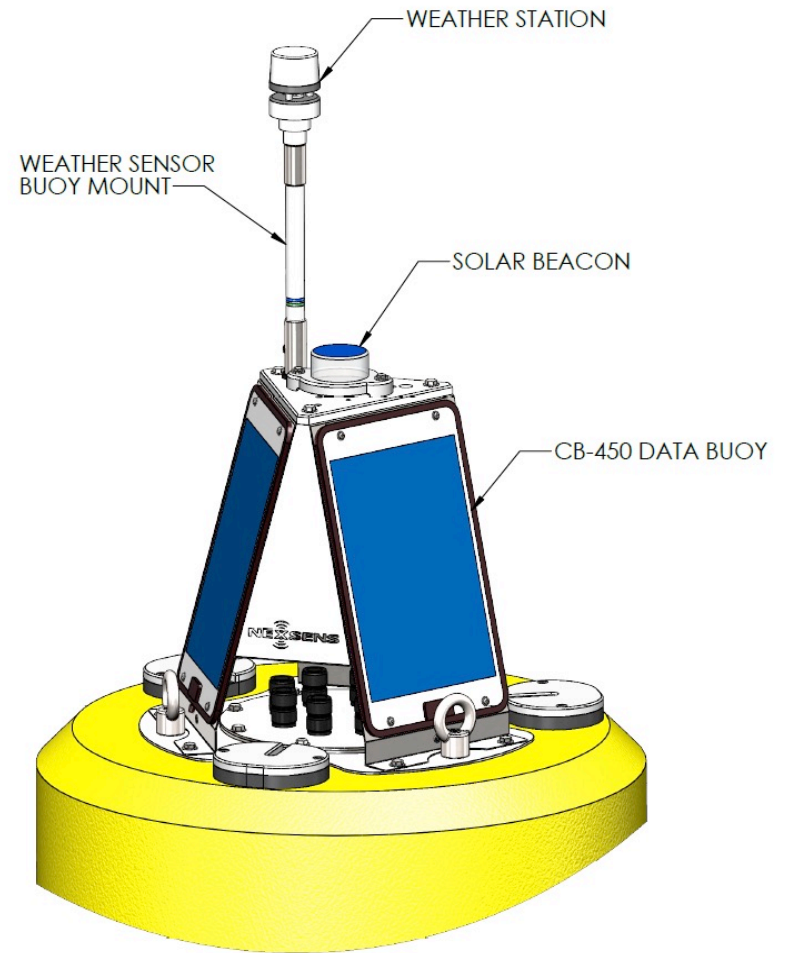


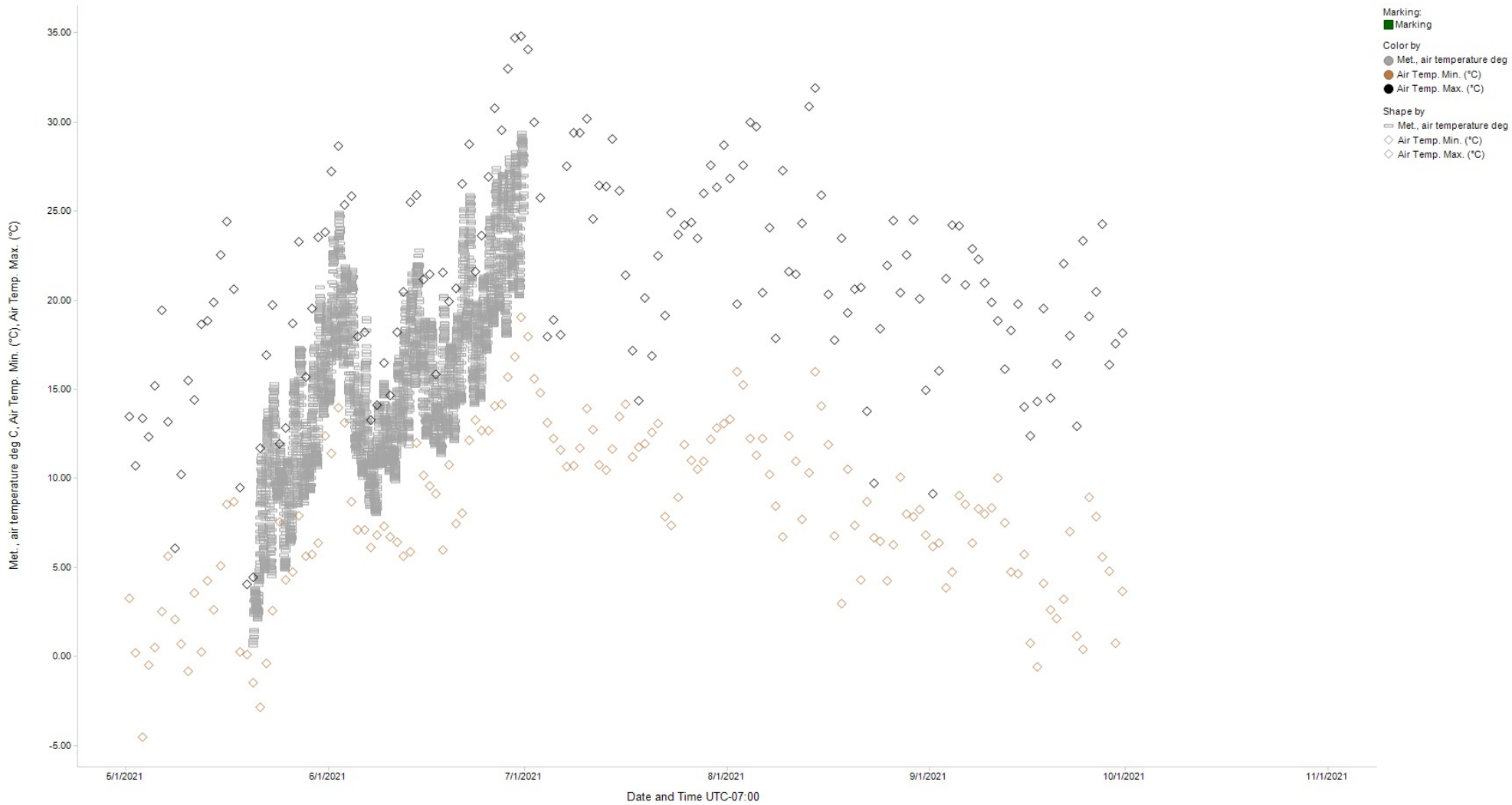
Source: Atlas of Alberta Lakes

## Type of Data Collected

### Weather: Gill MaxiMet GMX500

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

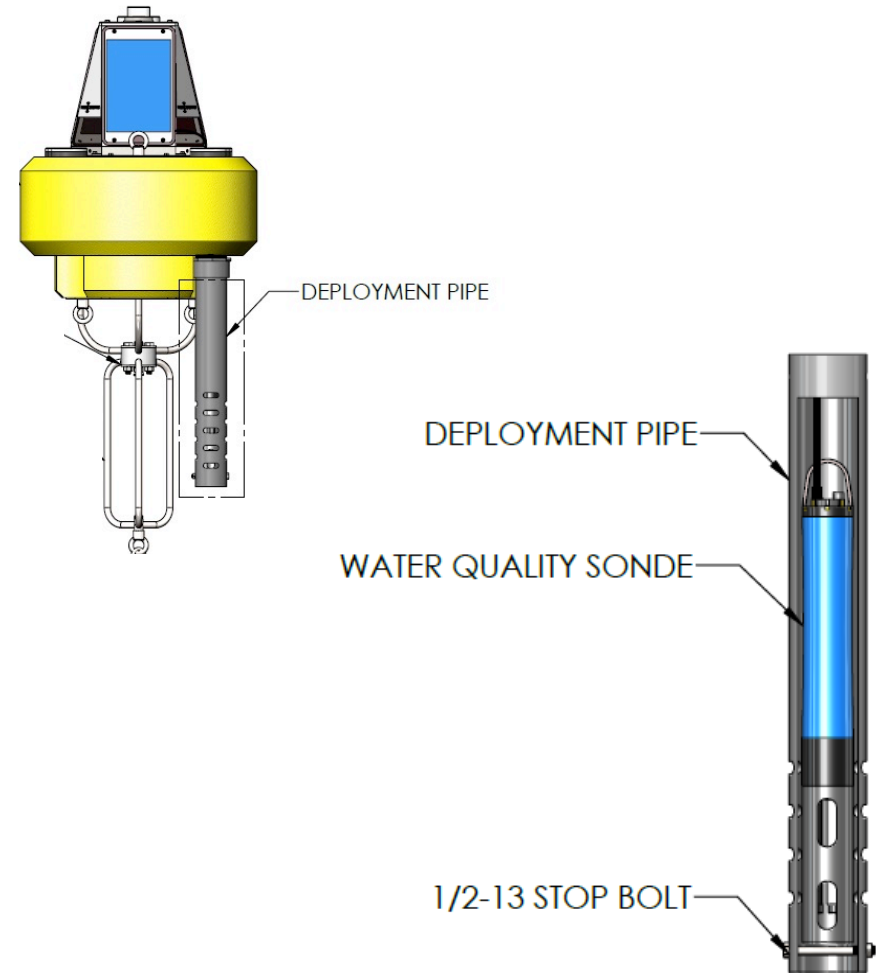




## Type of Data Collected

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

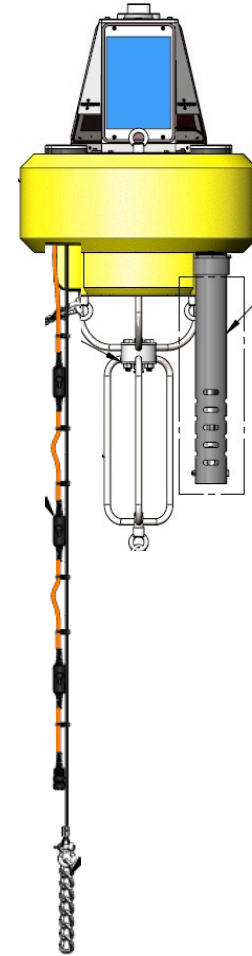
- **Sensors**
  - Temperature and Conductivity
  - pH and ORP
  - Dissolved oxygen
  - Turbidity
  - Chlorophyll and Phycocyanin
- **Wiper**



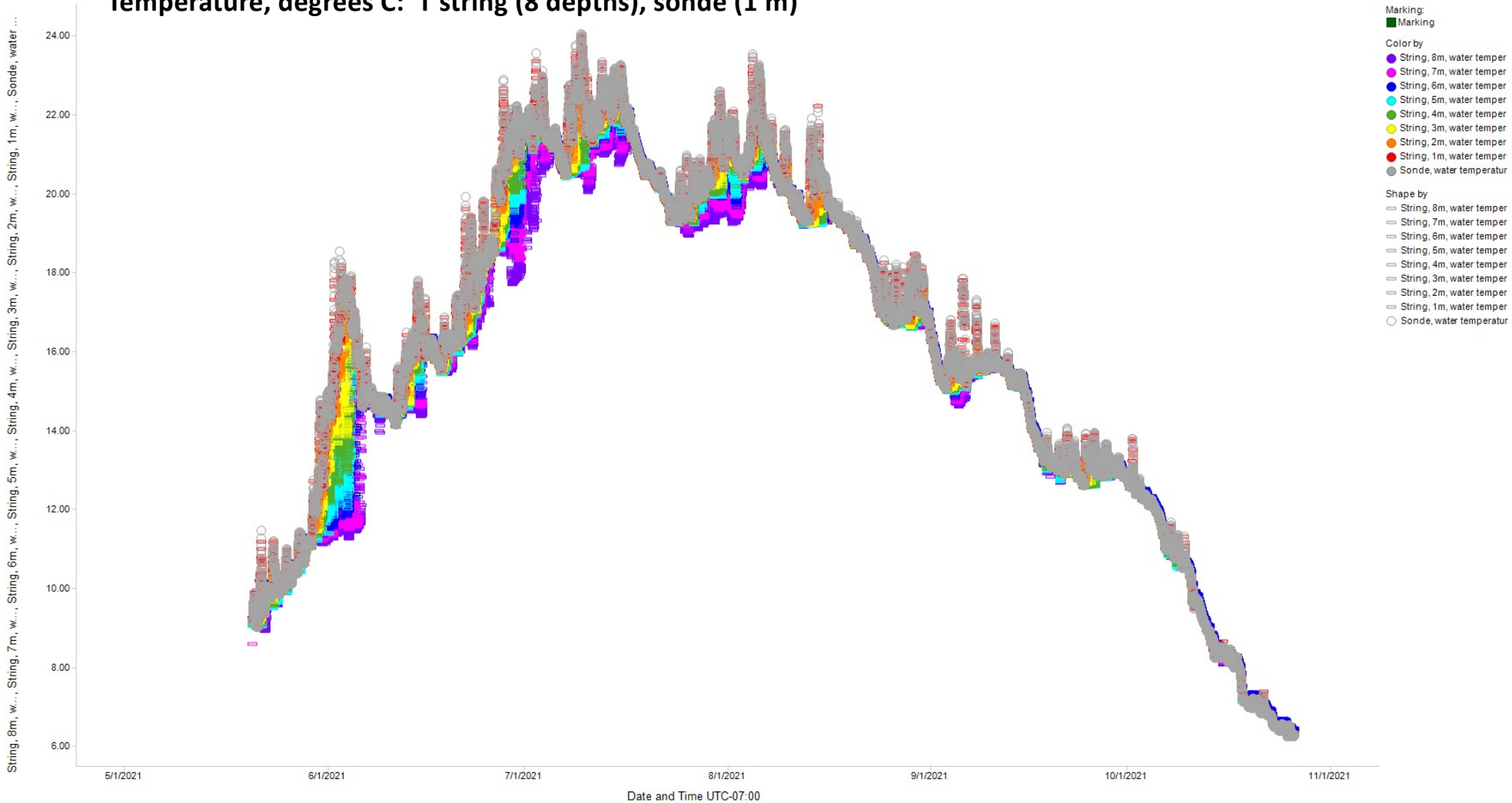
## Type of Data Collected

### Temperature and dissolved oxygen “string”

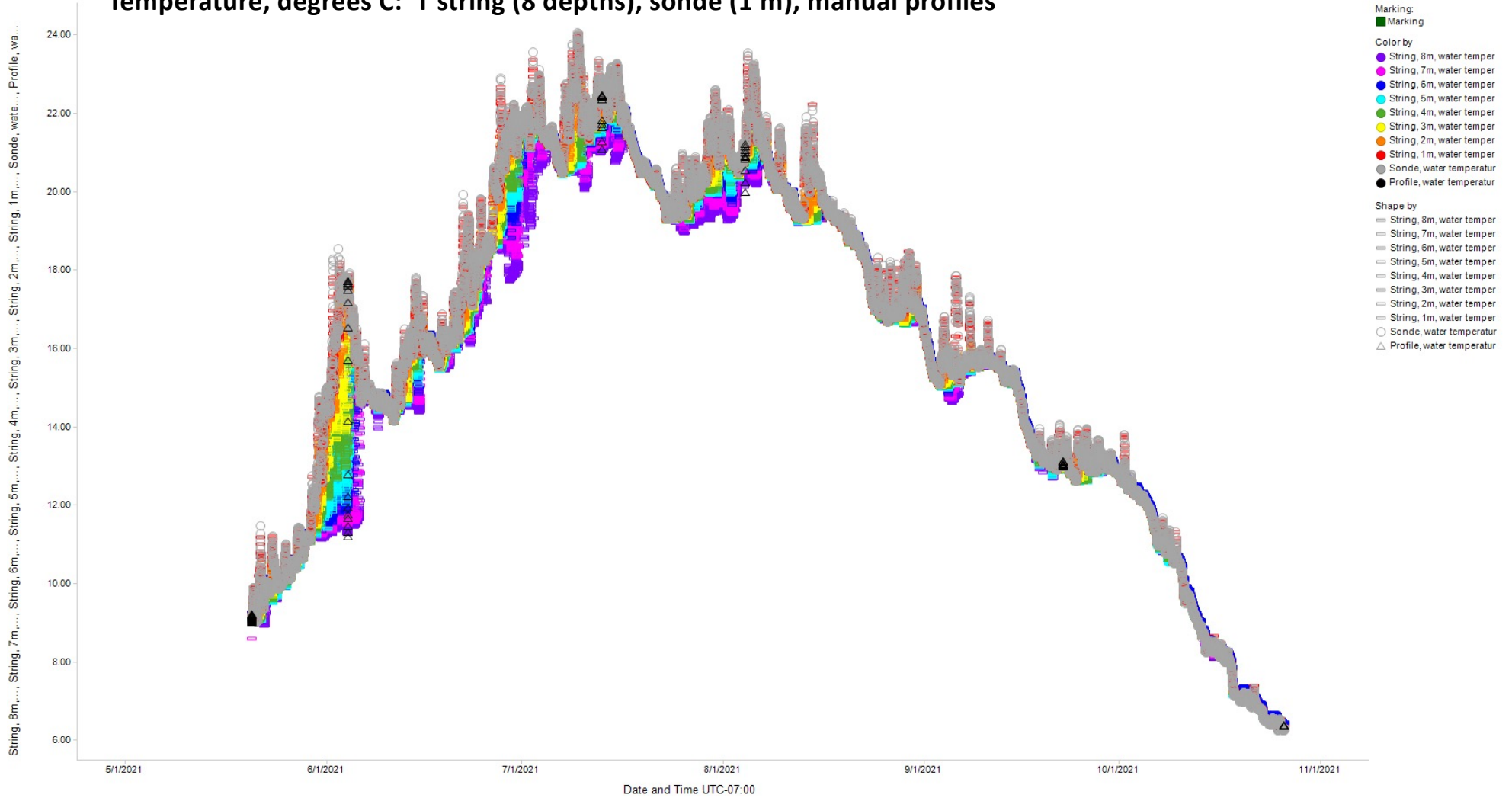
- Temperature sensors every (vertical) meter of water column
- Dissolved oxygen sensors for bottom three meters



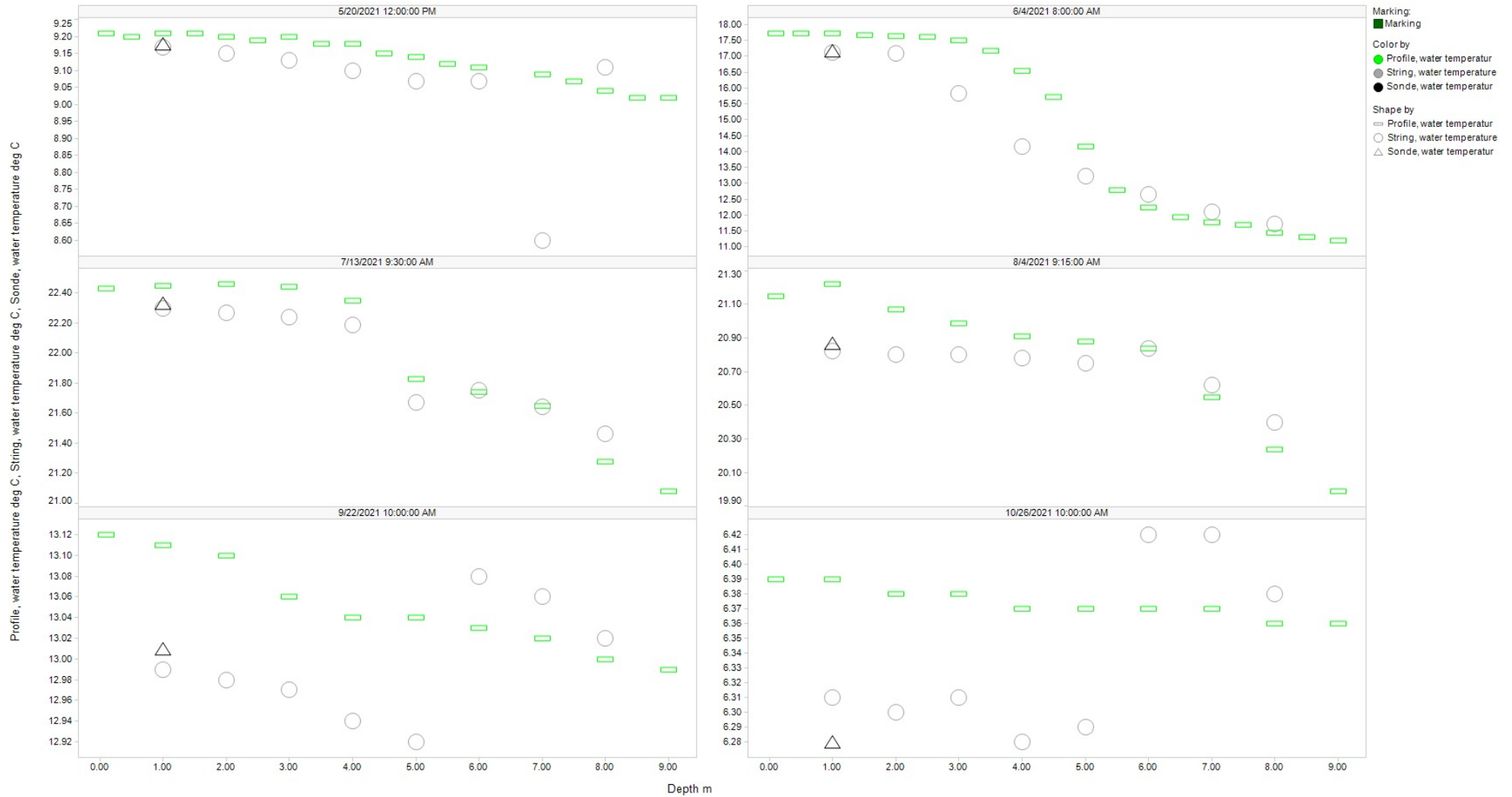
# Temperature, degrees C: T string (8 depths), sonde (1 m)



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

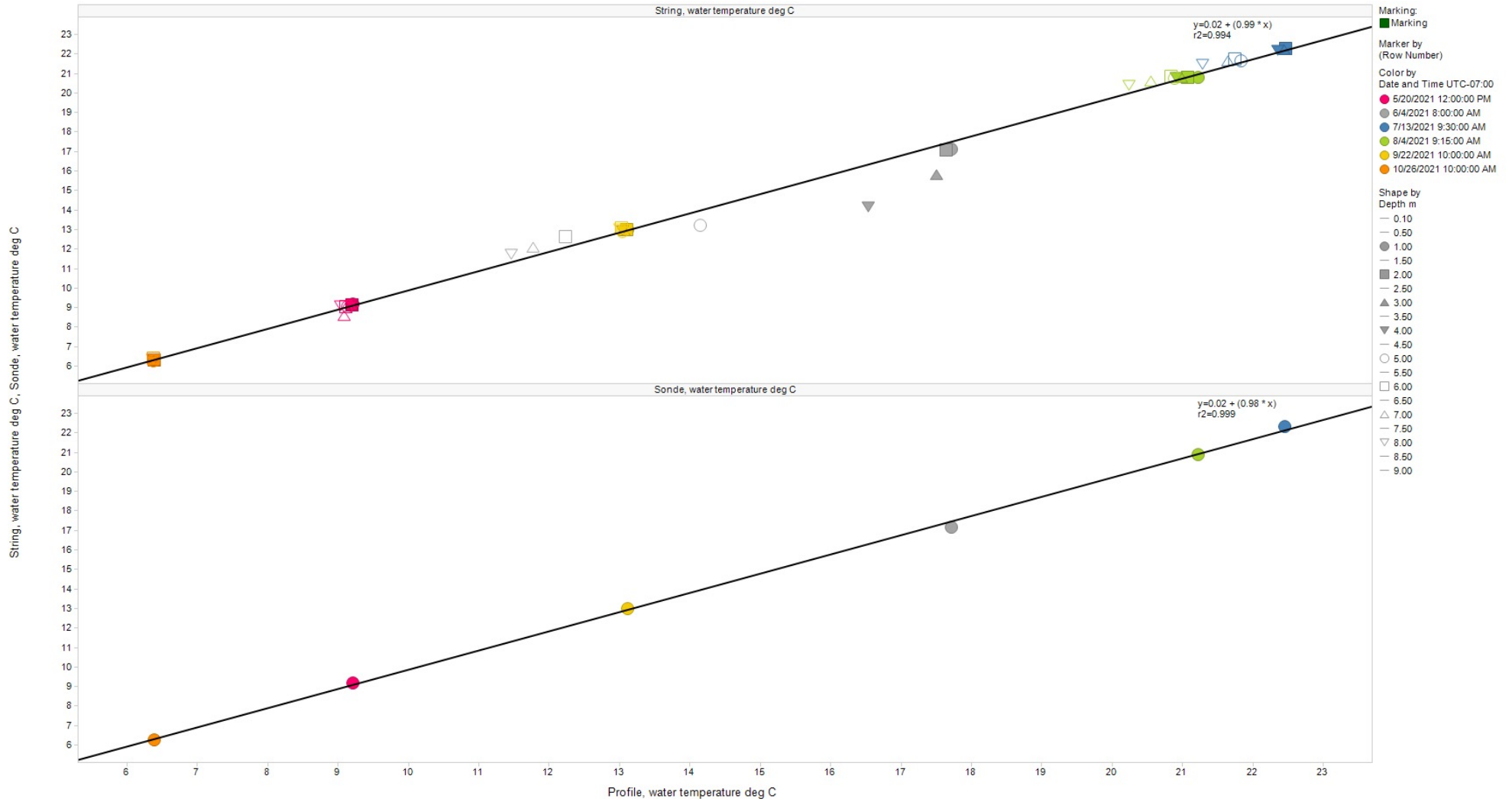


## Temperature (degrees C) versus depth (m) for five dates: T string (8 depths), sonde (1 m), manual profiles

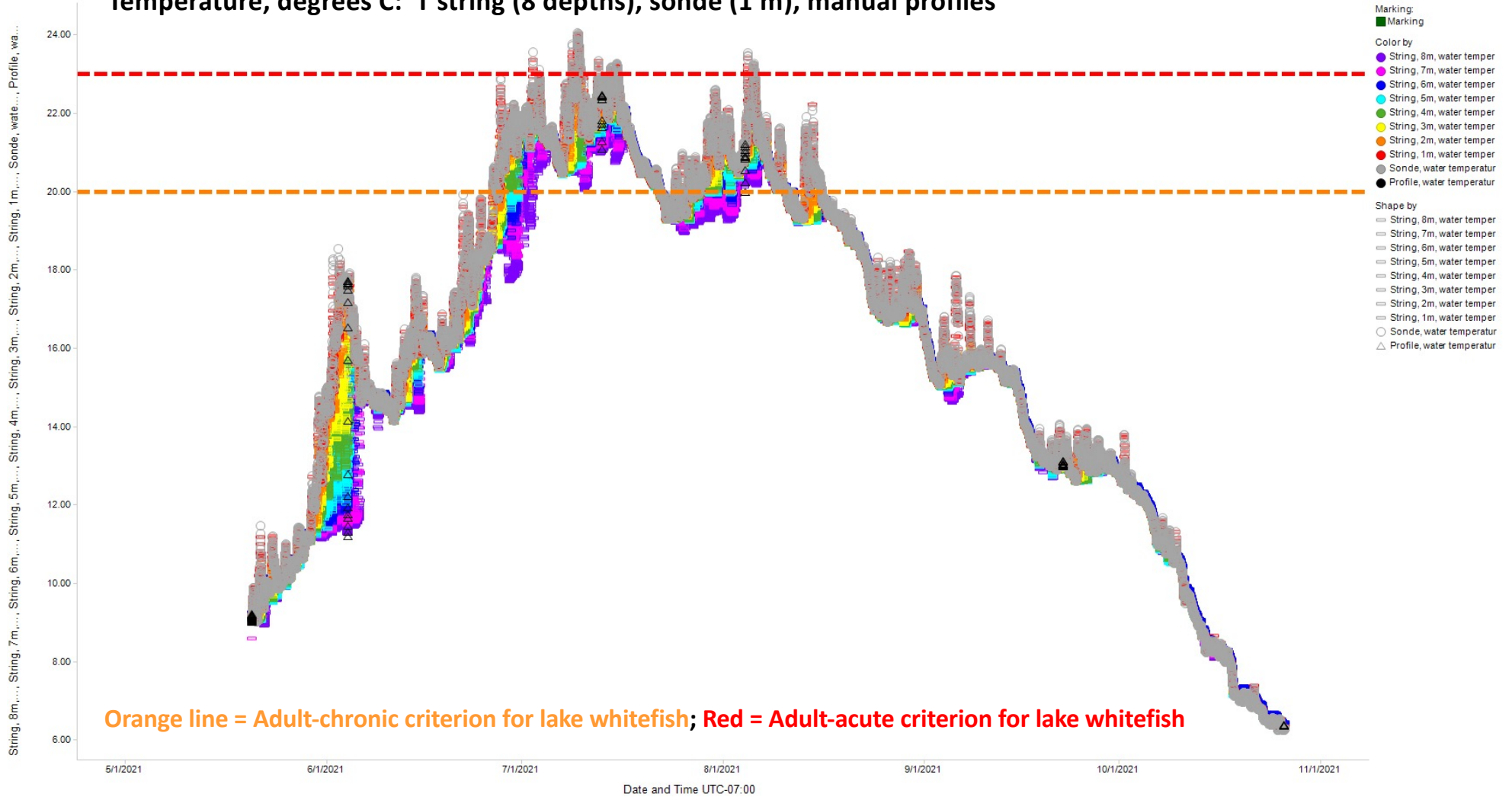




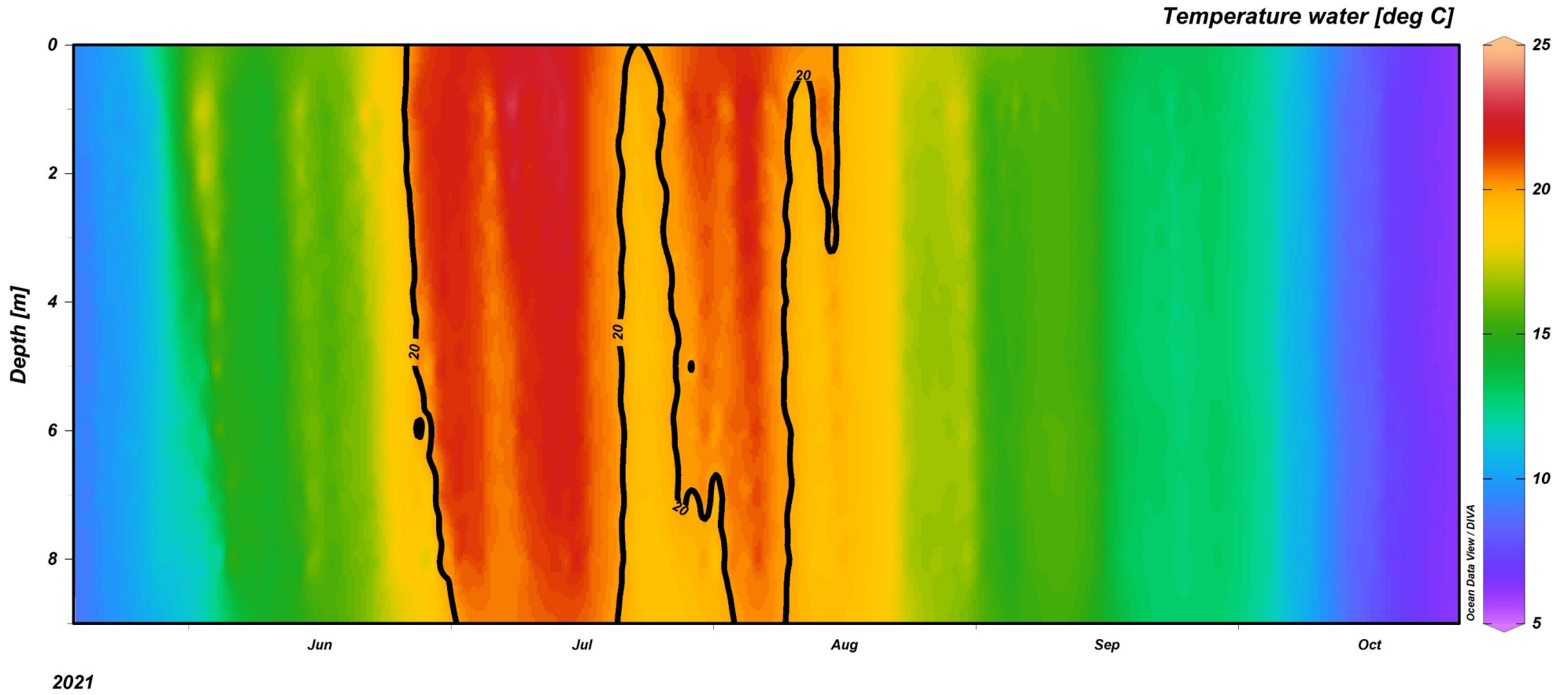
# Temperature (degrees C) comparisons; buoy data are valid



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

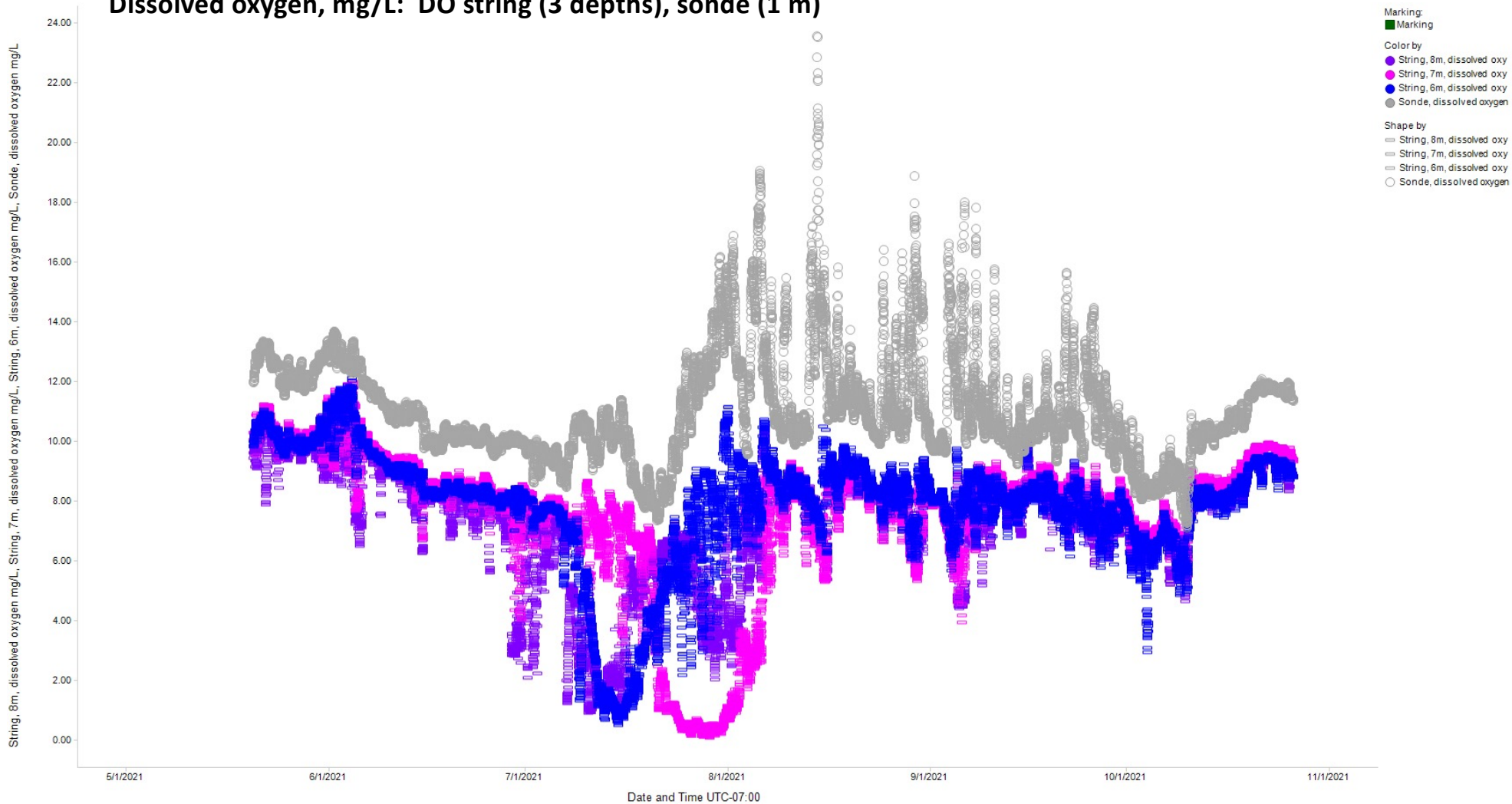


Temperature, degrees C: T string (8 depths)

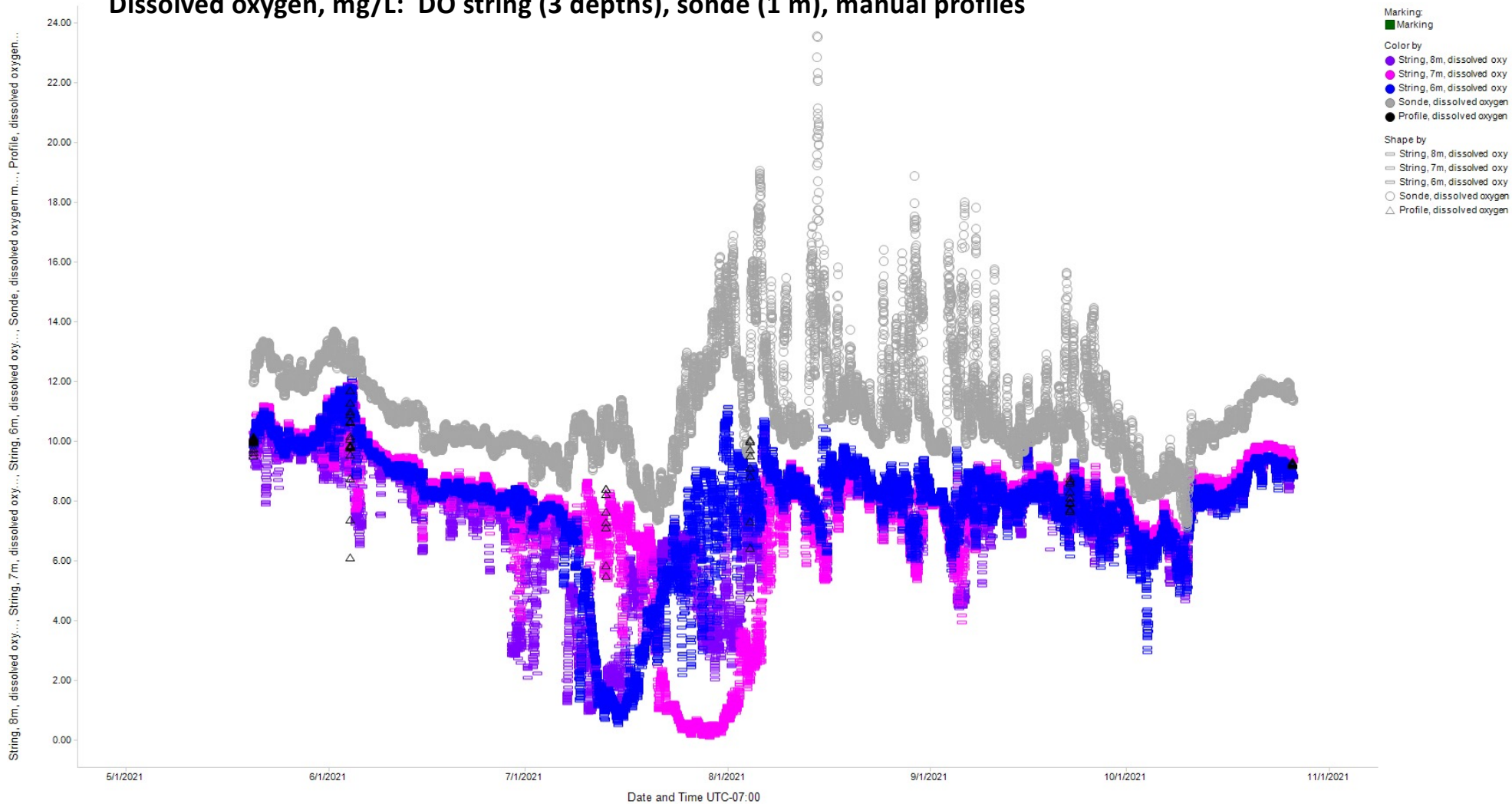


20°C= Adult-chronic criterion for lake whitefish

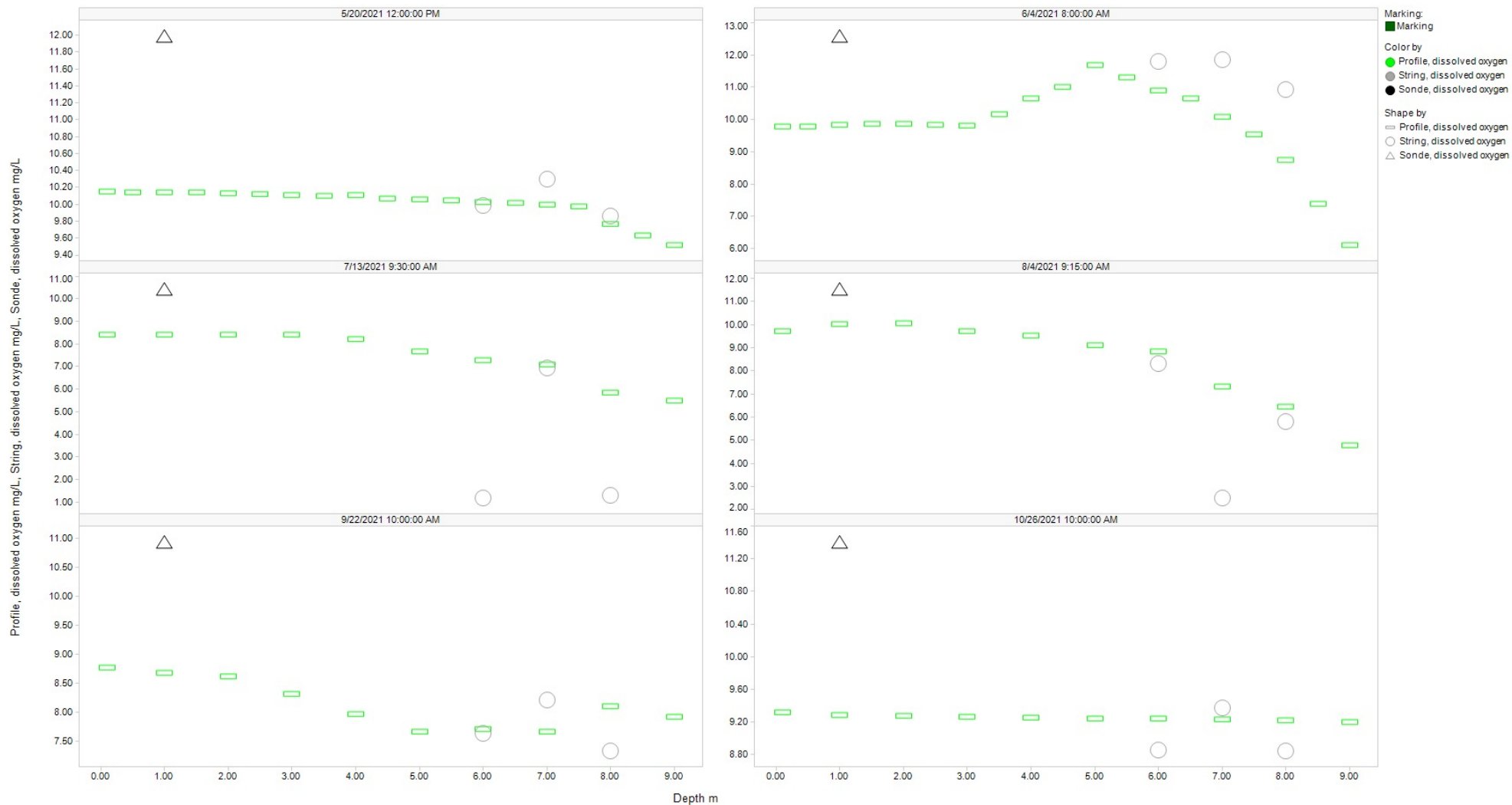
# Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m)



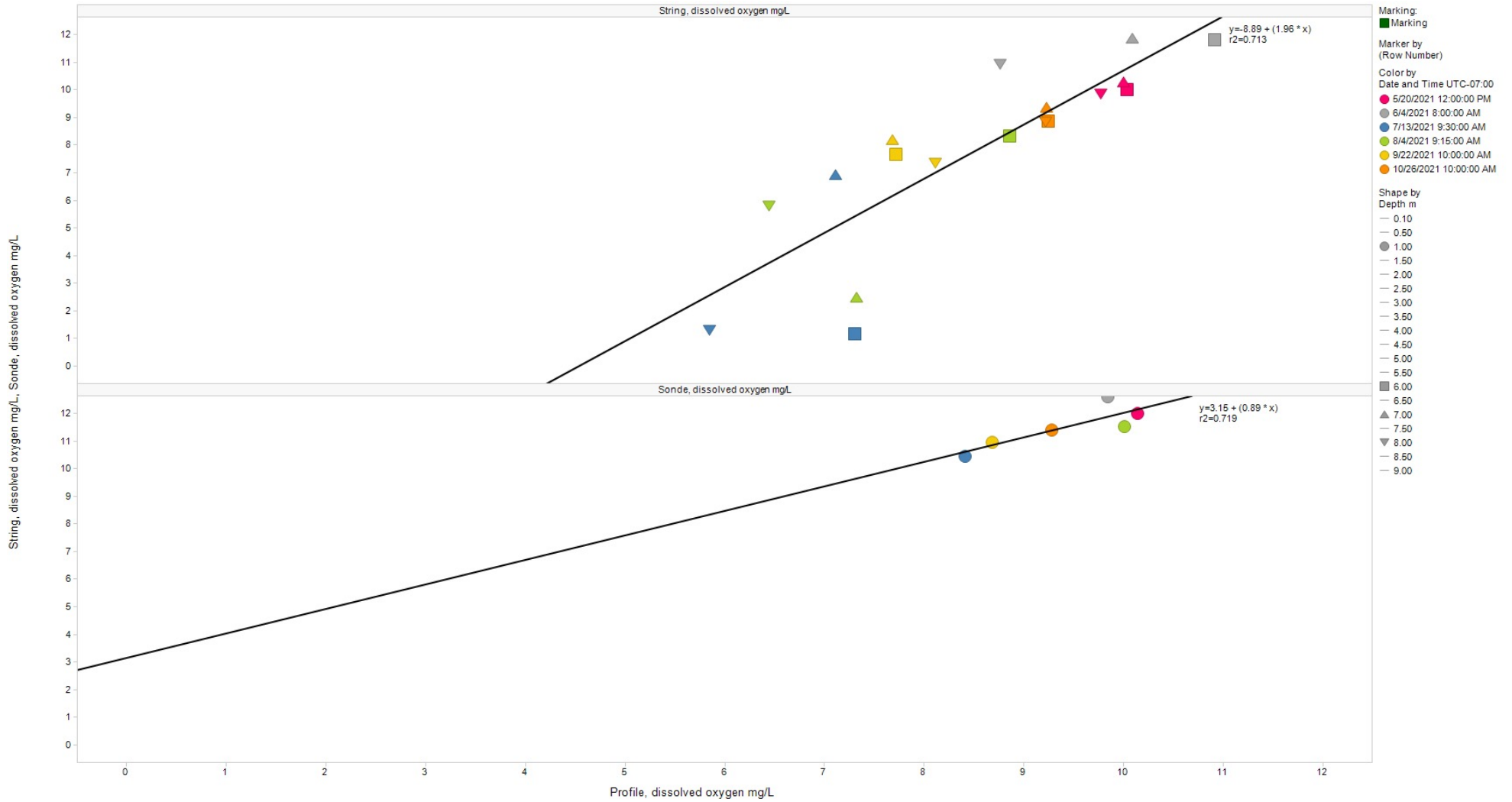
# Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m), manual profiles



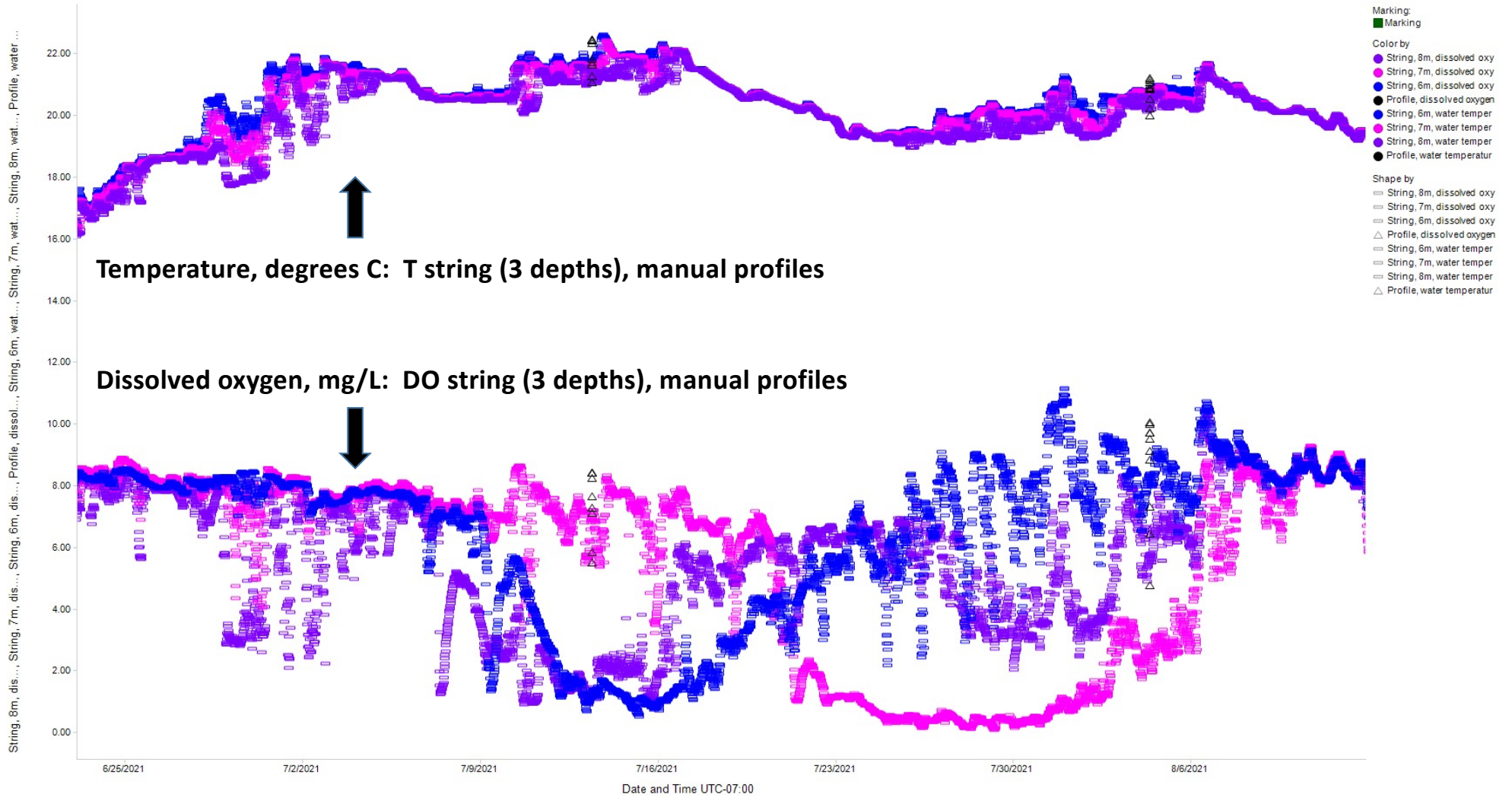
## Dissolved oxygen (mg/L) versus depth (m) for five dates: DO string (3 depths), sonde (1 m), manual profiles



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

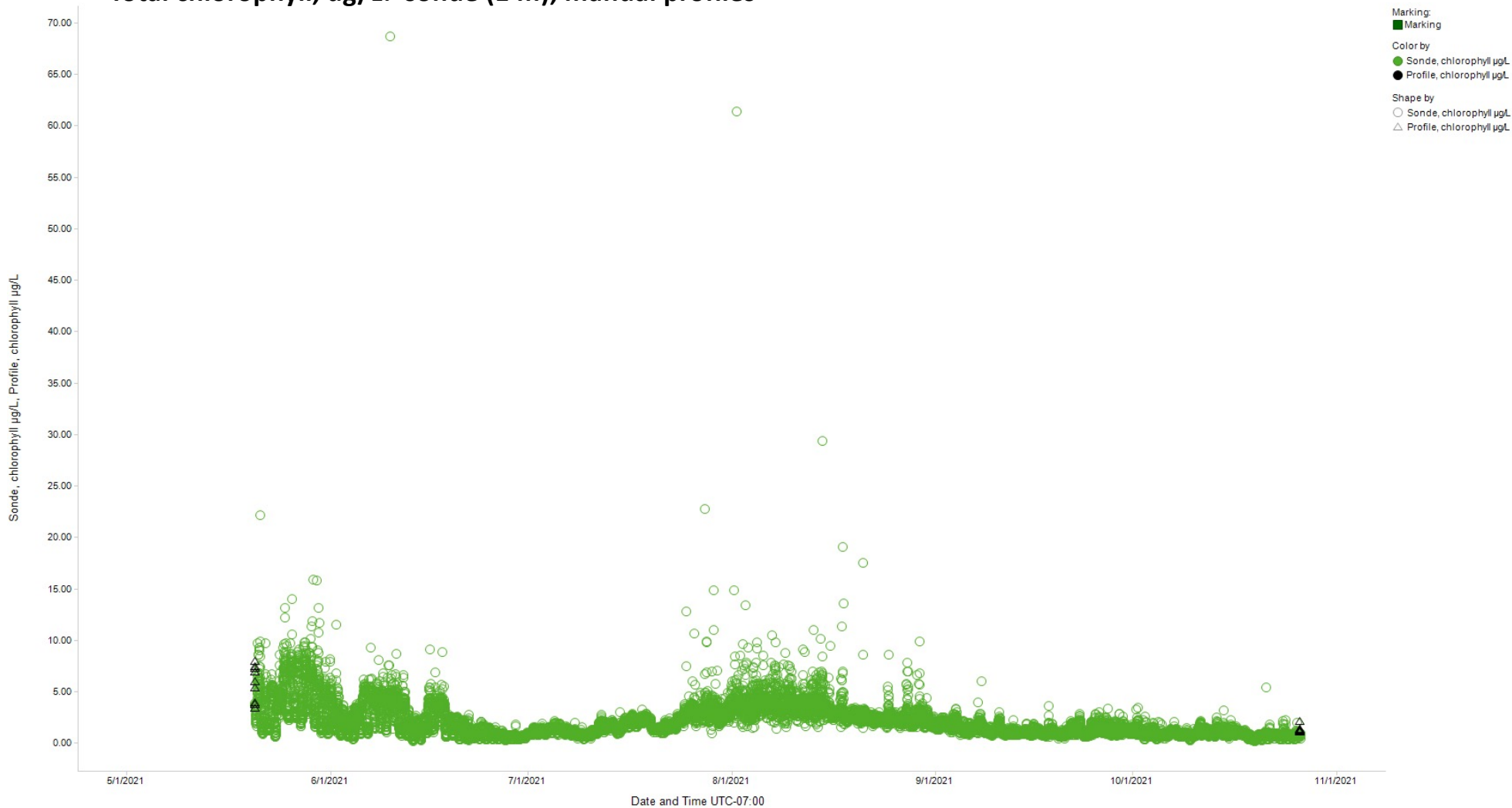


# Zoom in

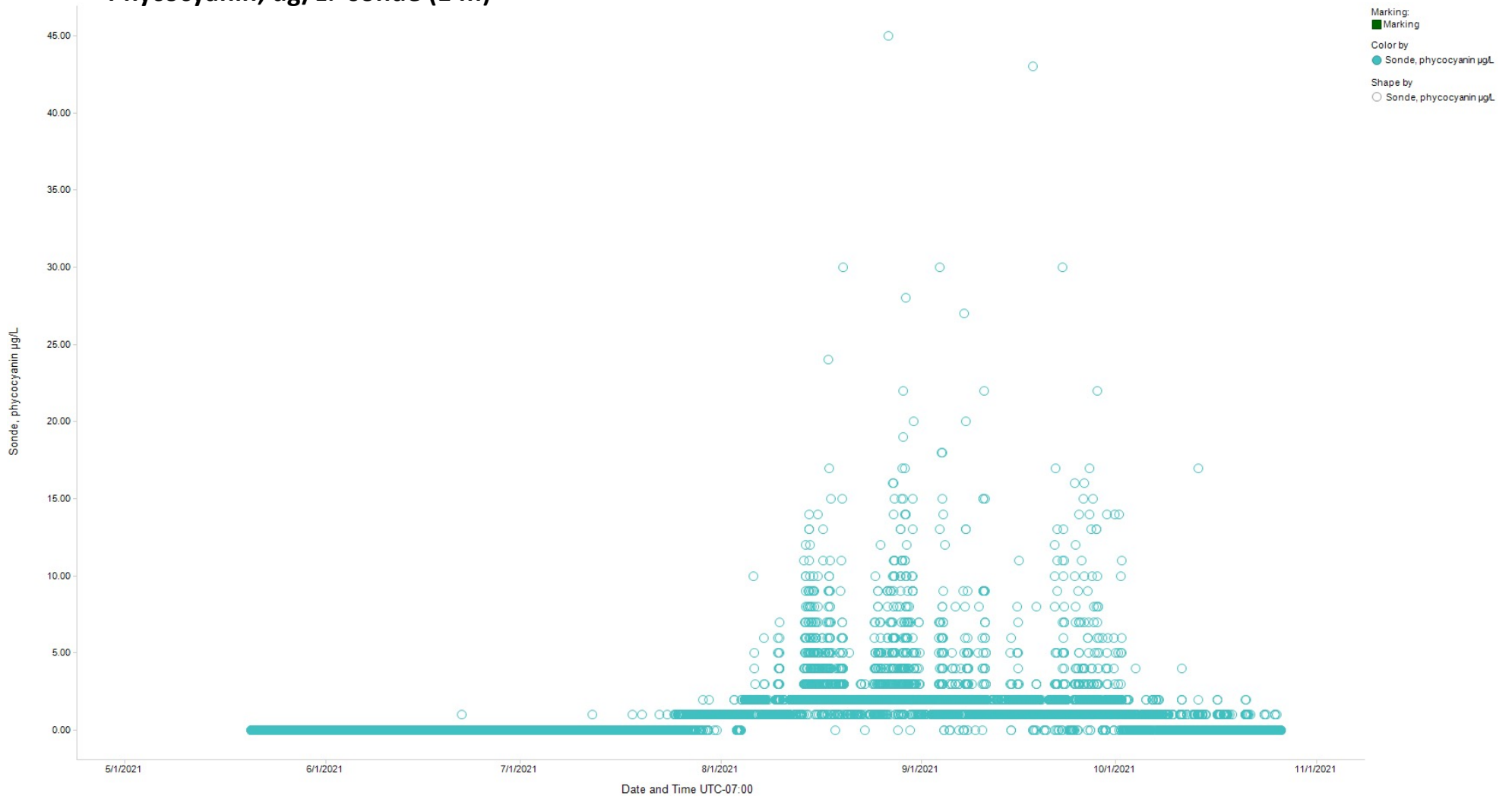




# Total chlorophyll, ug/L: sonde (1 m), manual profiles



# Phycocyanin, ug/L: sonde (1 m)



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

