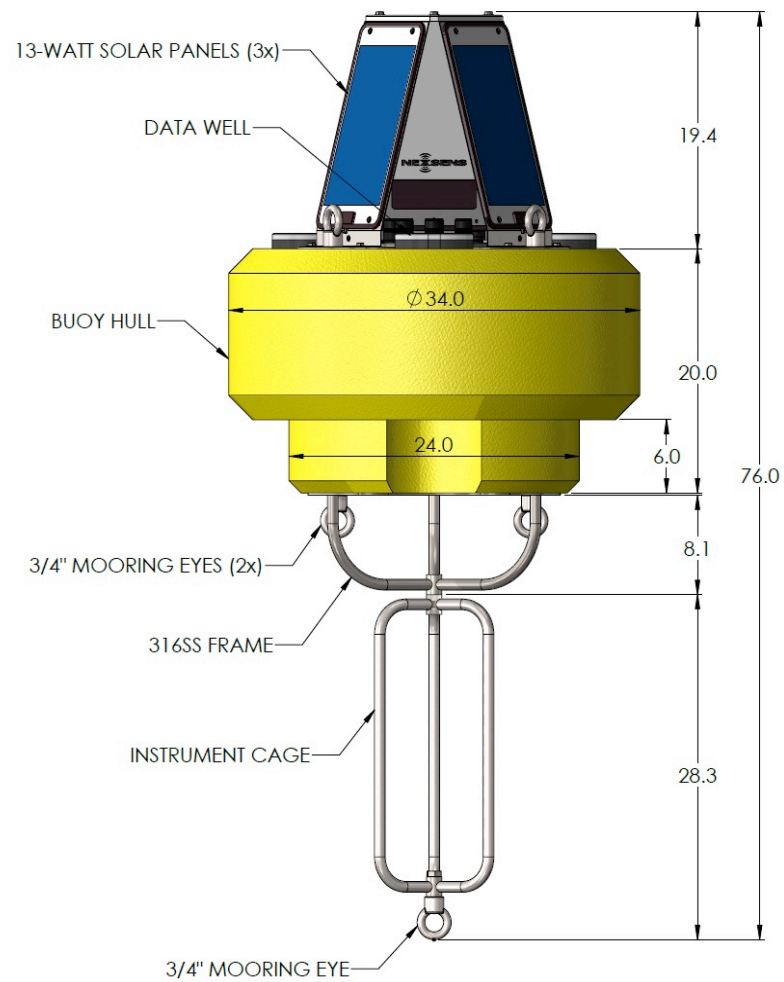
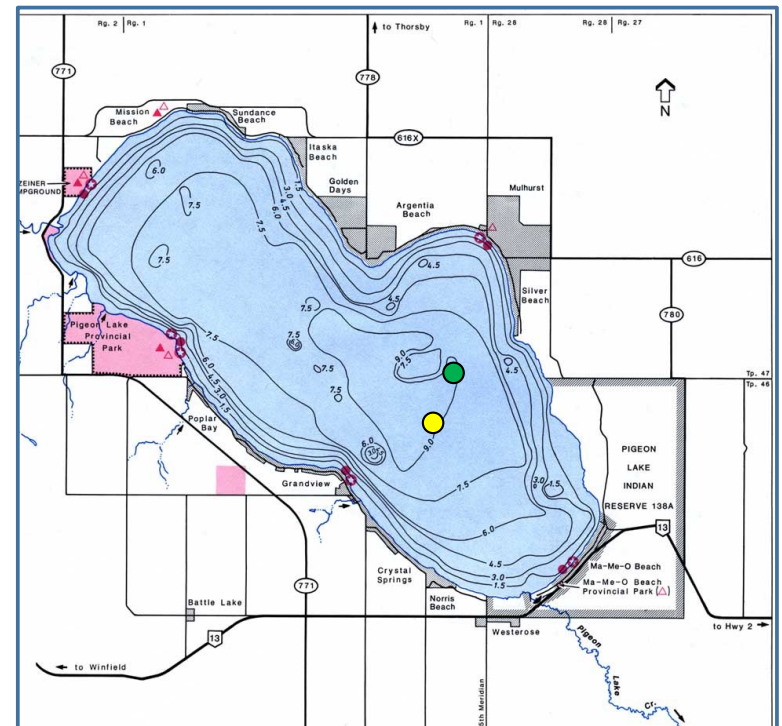




DRAWING DIMENSIONS IN INCHES

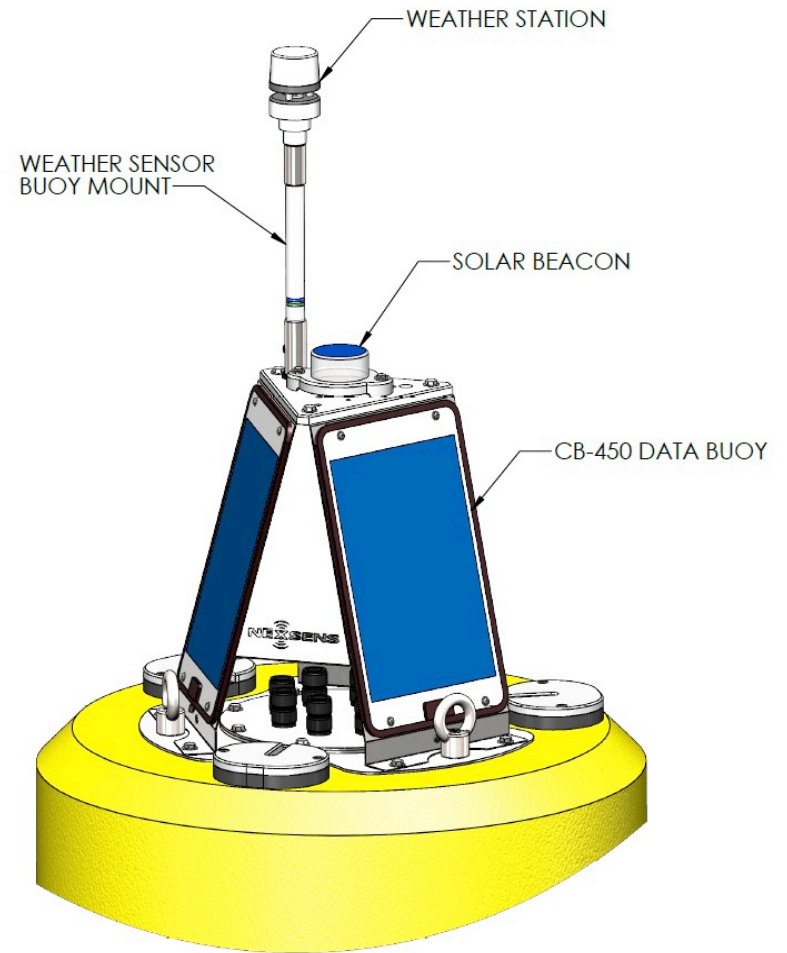


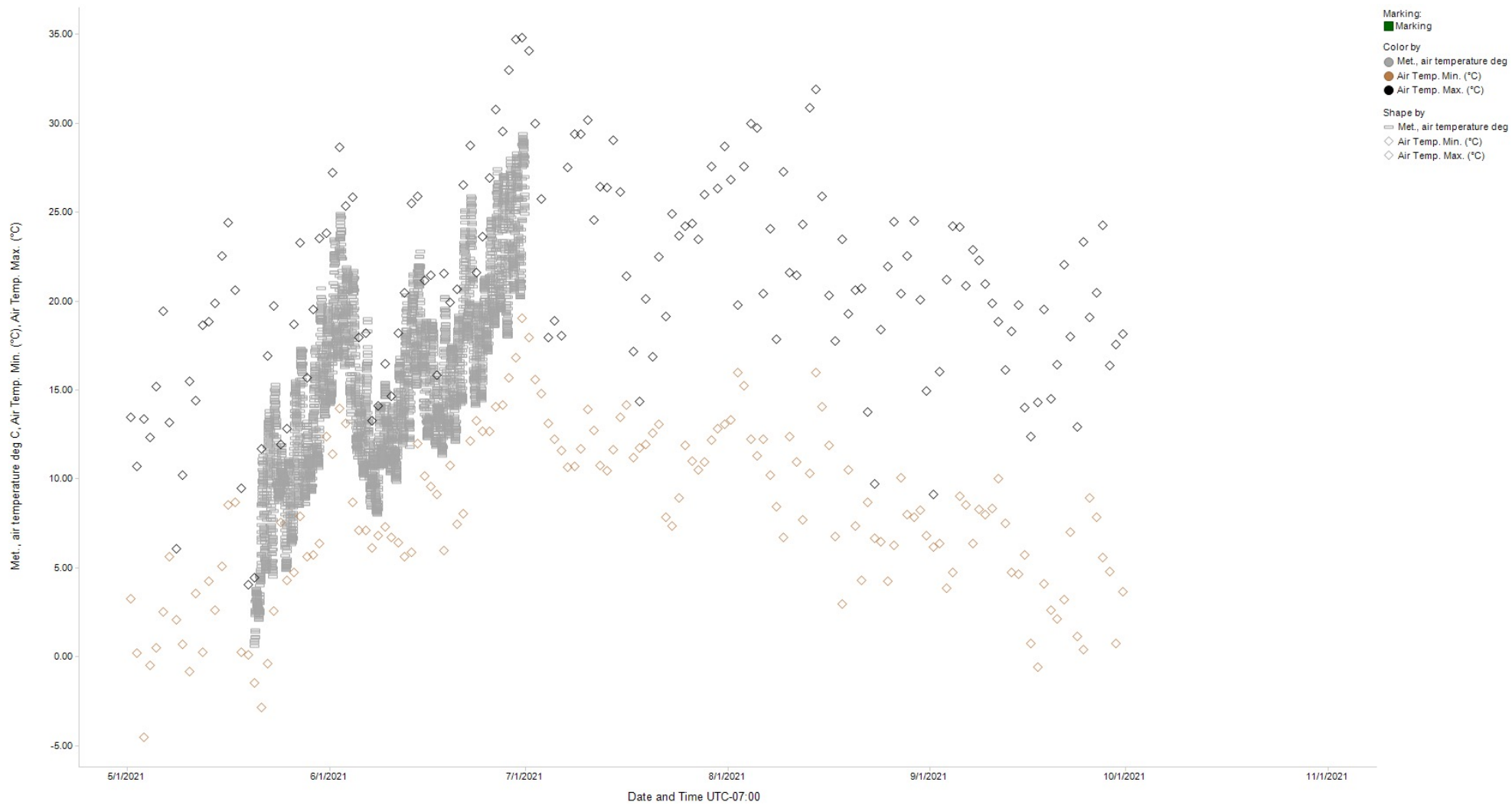
Source: Atlas of Alberta Lakes

## Type of Data Collected

### Weather: Gill MaxiMet GMX500

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

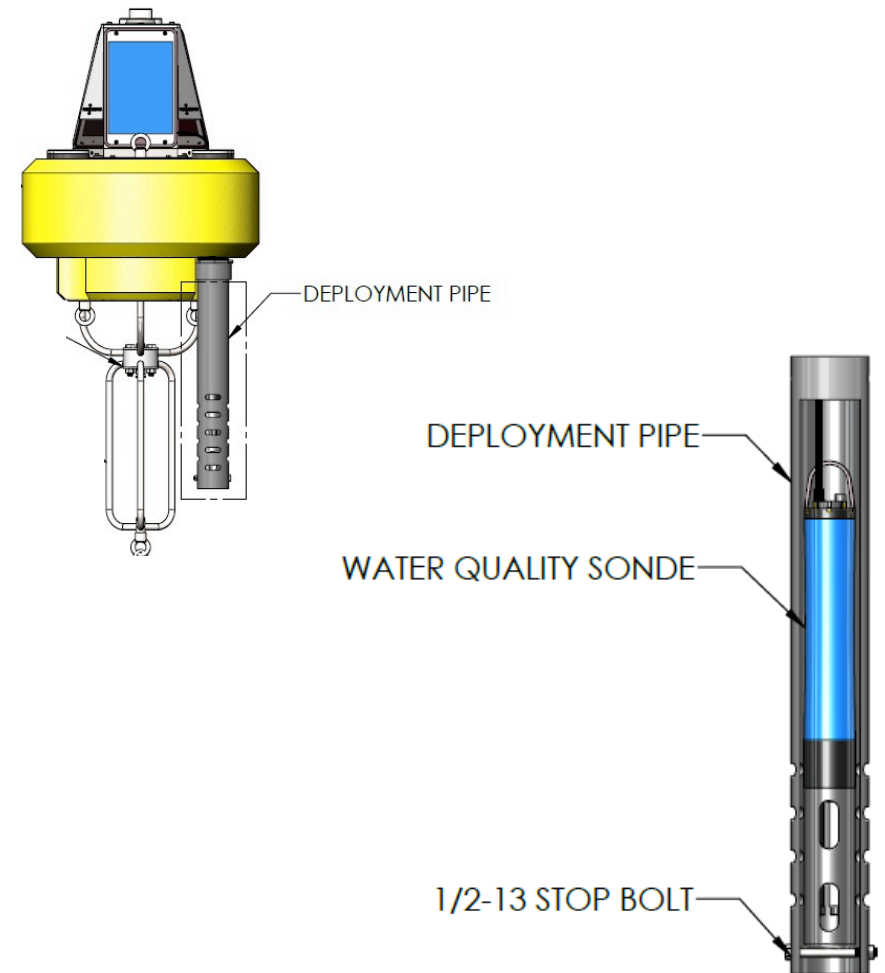




## Type of Data Collected

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

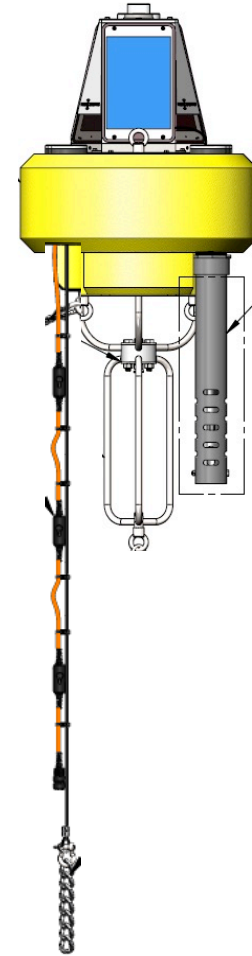
- **Sensors**
  - Temperature and Conductivity
  - pH and ORP
  - Dissolved oxygen
  - Turbidity
  - Chlorophyll and Phycocyanin
- **Wiper**



## Type of Data Collected

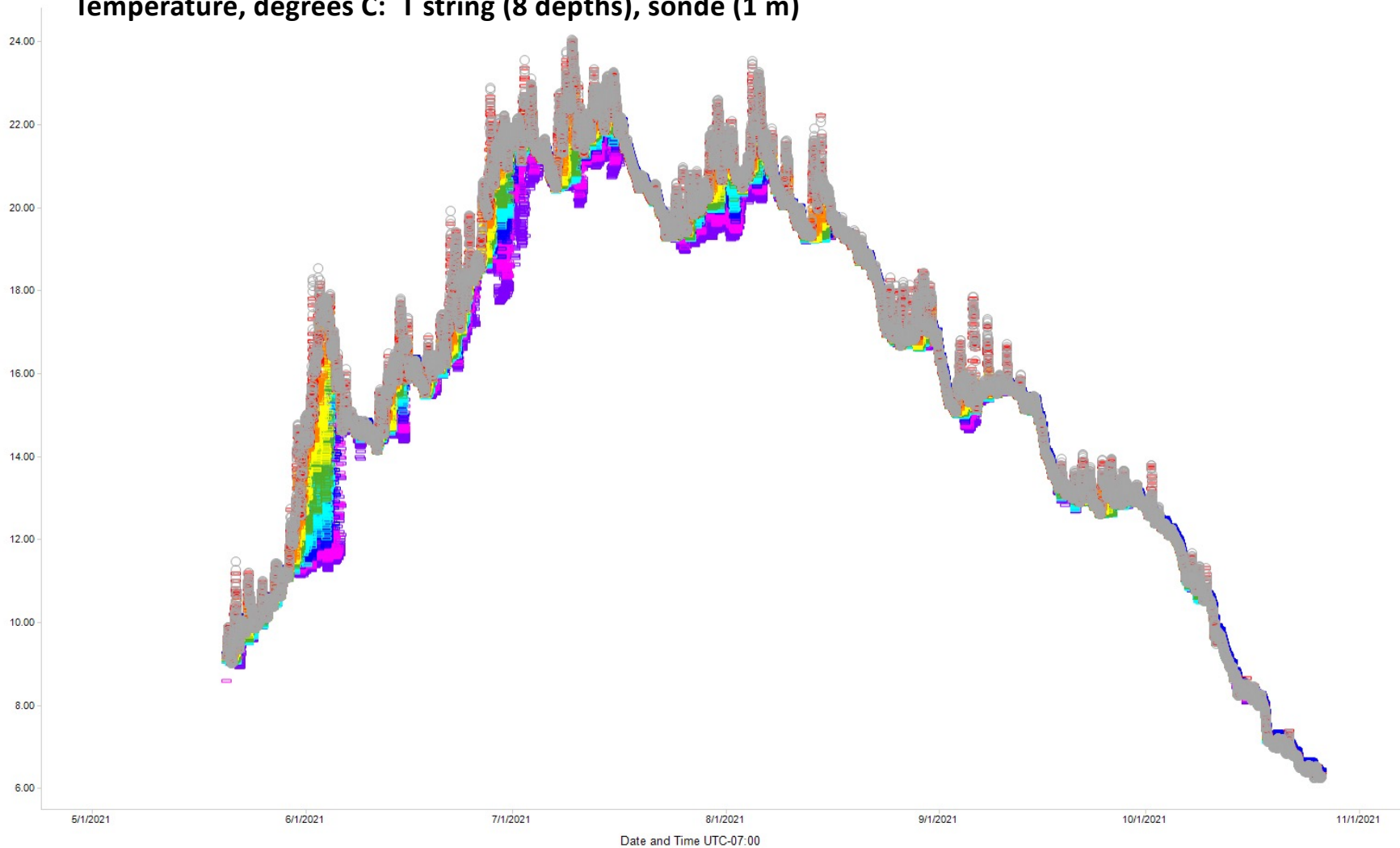
### Temperature and dissolved oxygen “string”

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

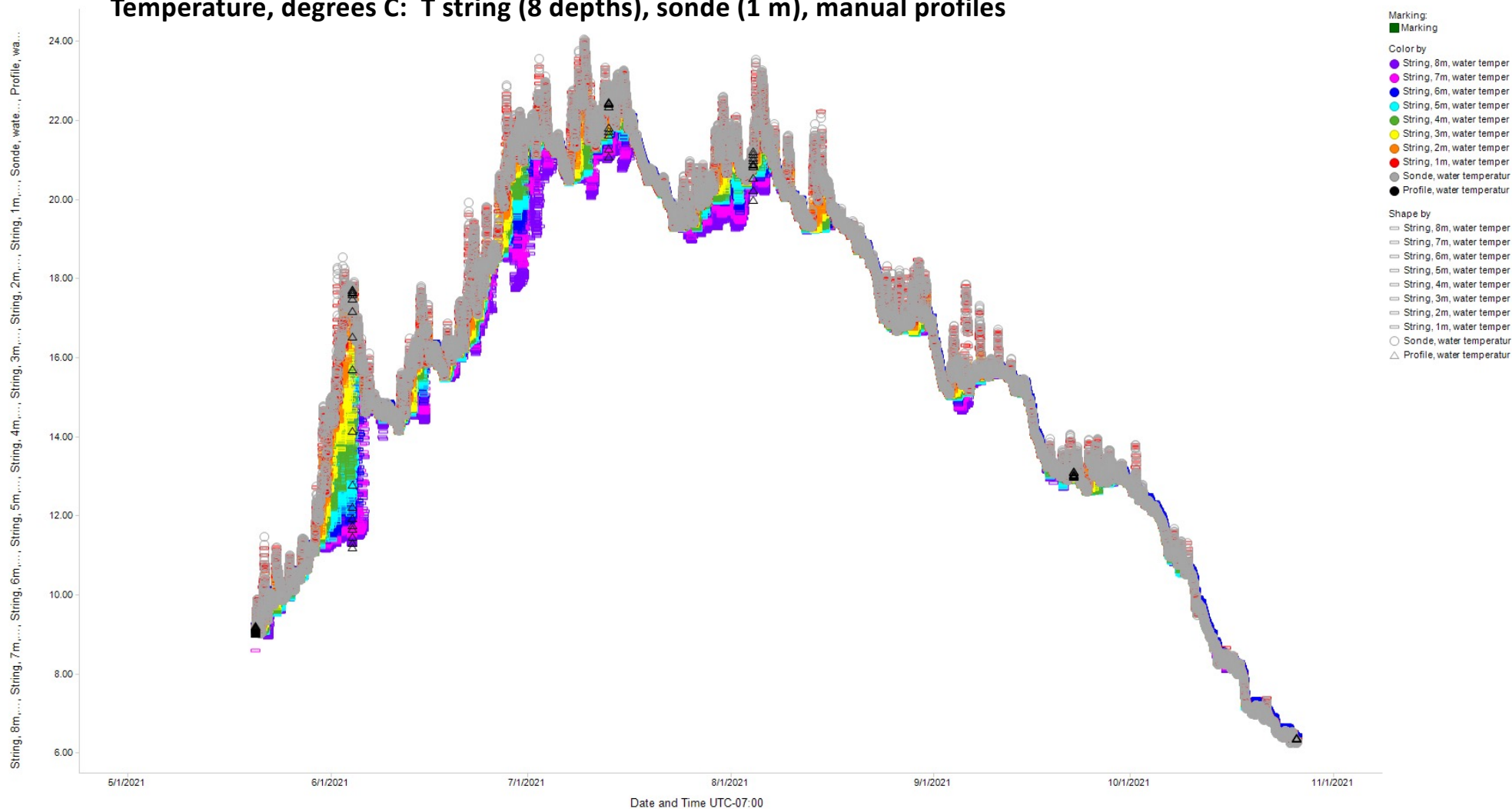


String, 8m, water temper  
String, 7m, water temper  
String, 6m, water temper  
String, 5m, water temper  
String, 4m, water temper  
String, 3m, water temper  
String, 2m, water temper  
String, 1m, water temper  
Sonde, water temperatur

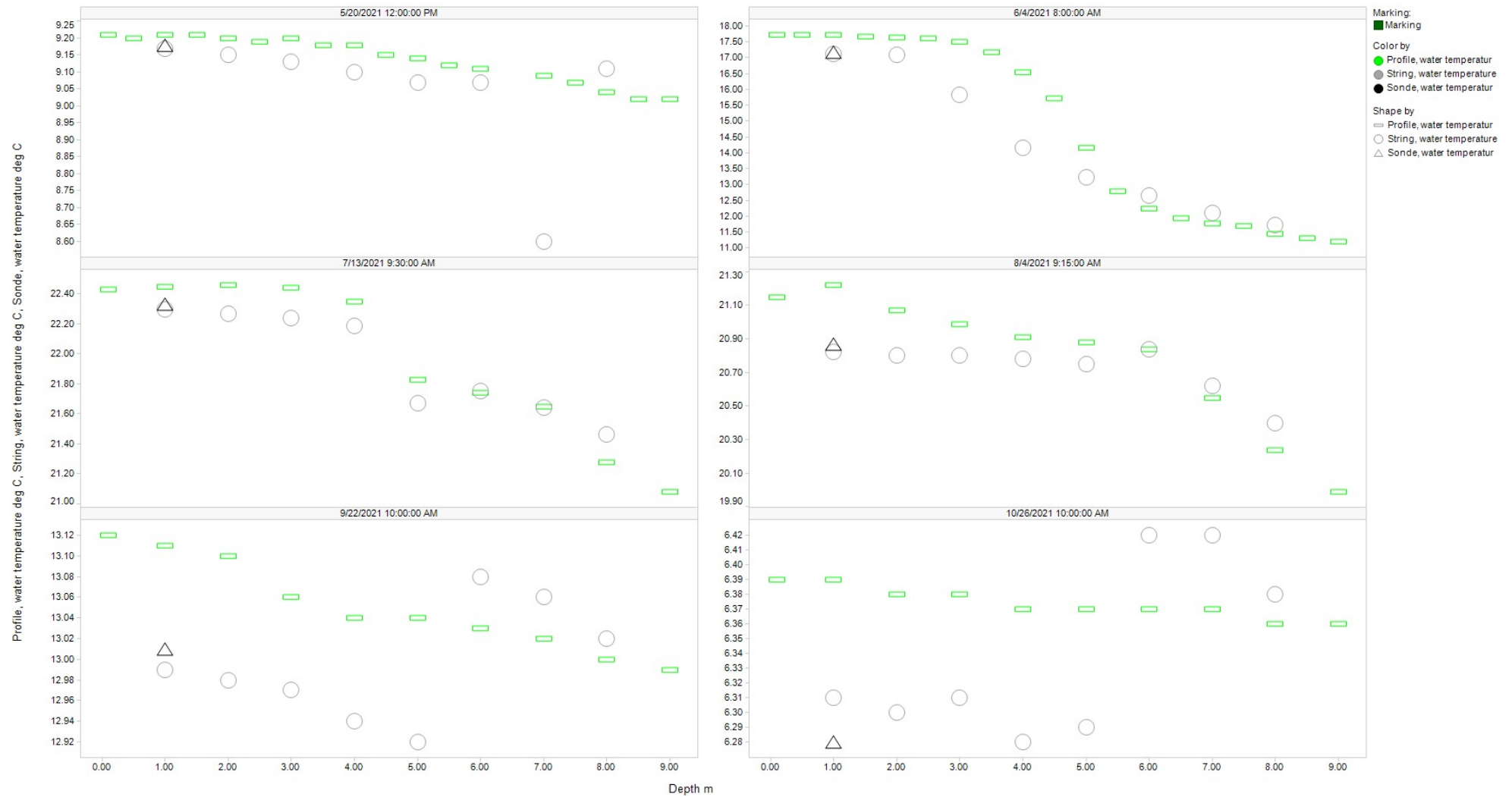
## Temperature, degrees C: T string (8 depths), sonde (1 m)



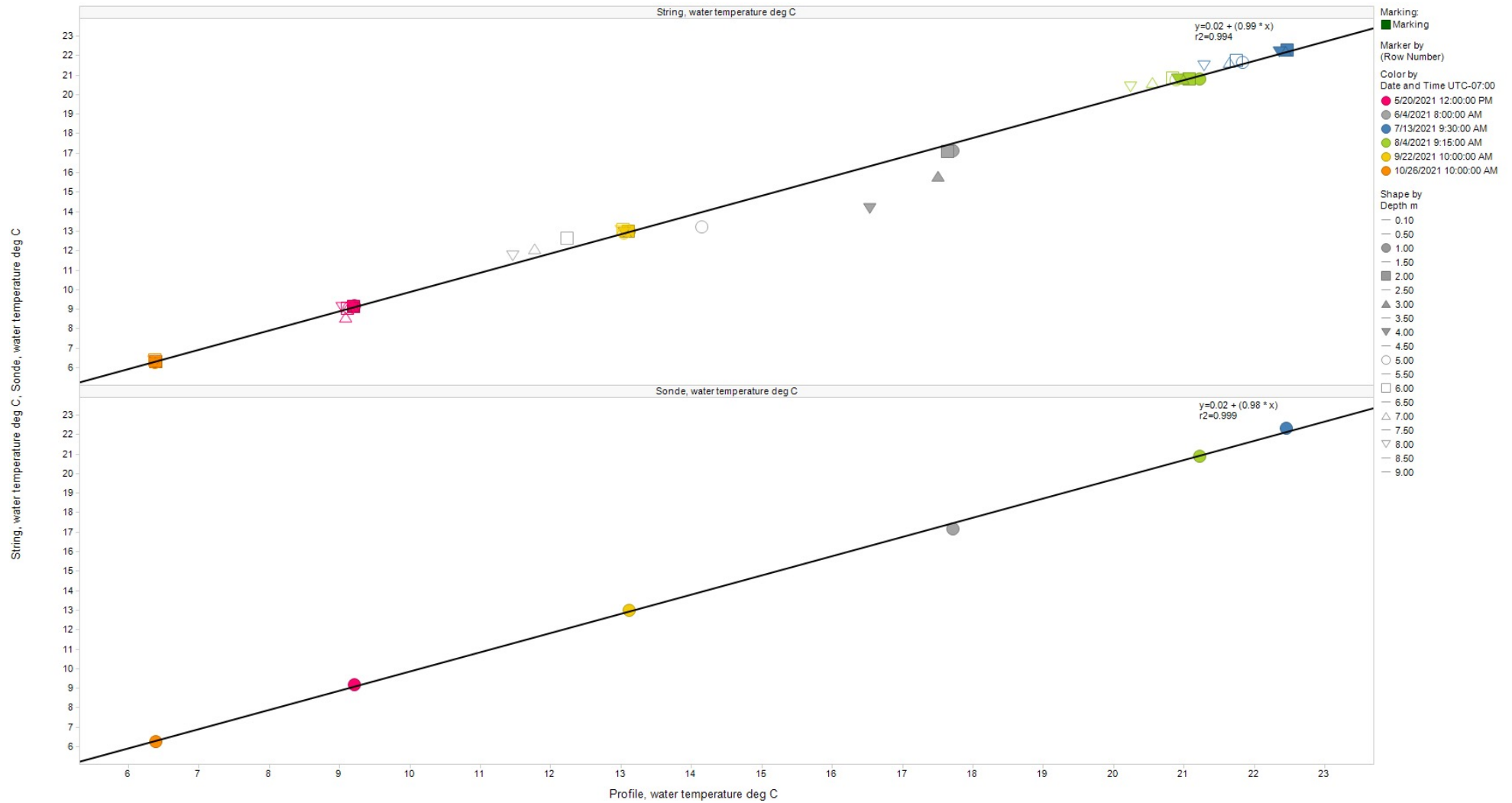
# Temperature, degrees C: T string (8 depths), sonde (1 m), manual profiles



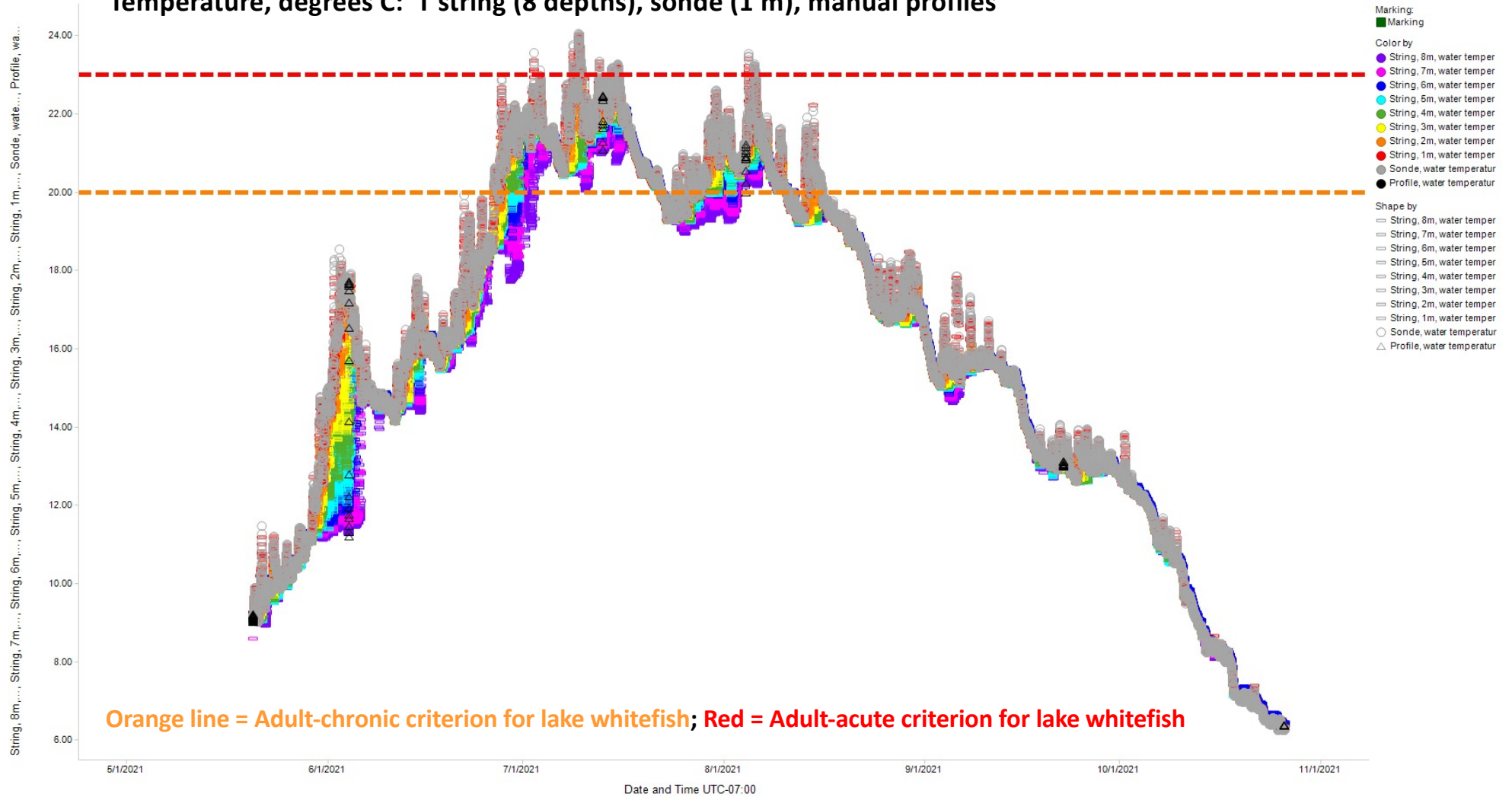
## Temperature (degrees C) versus depth (m) for five dates: T string (8 depths), sonde (1 m), manual profiles



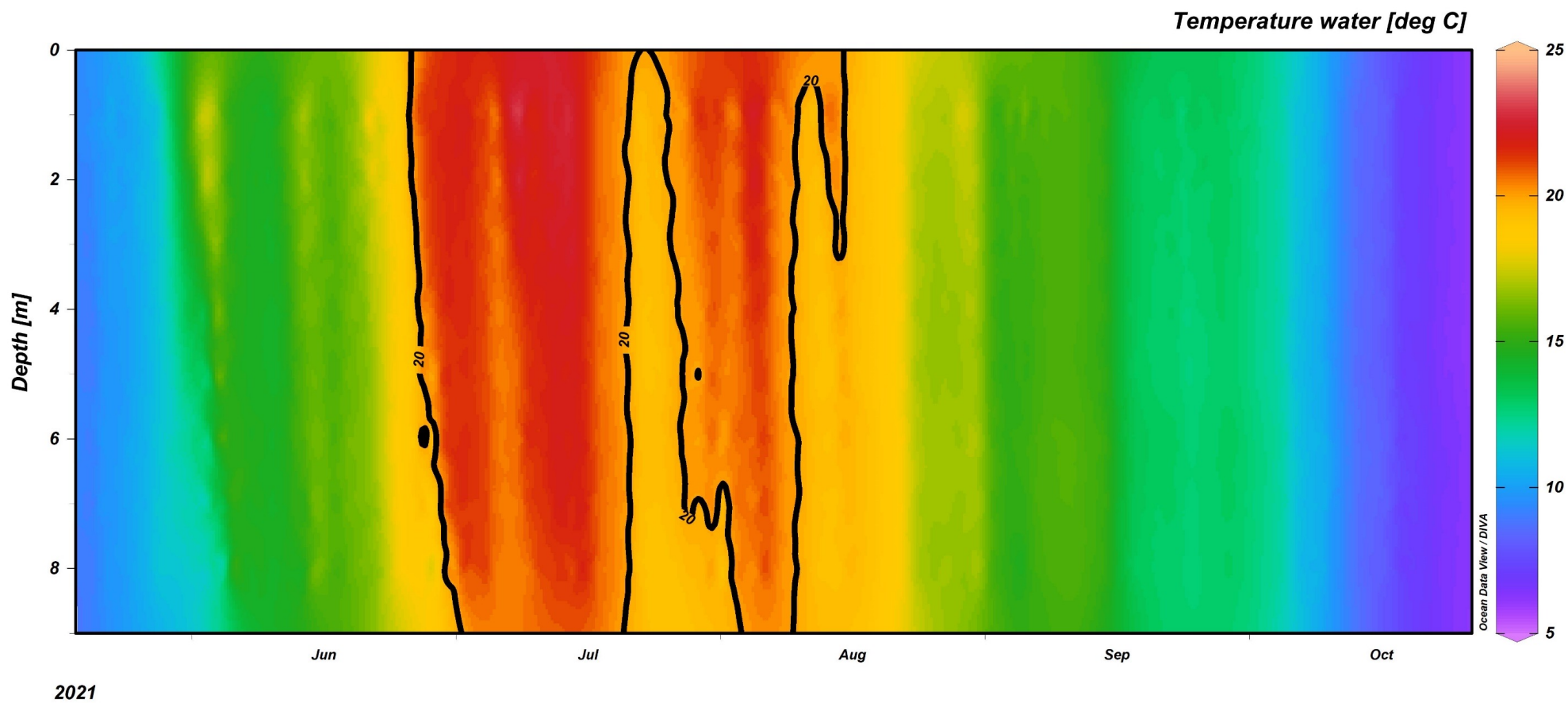
## Temperature (degrees C) comparisons; buoy data are valid



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

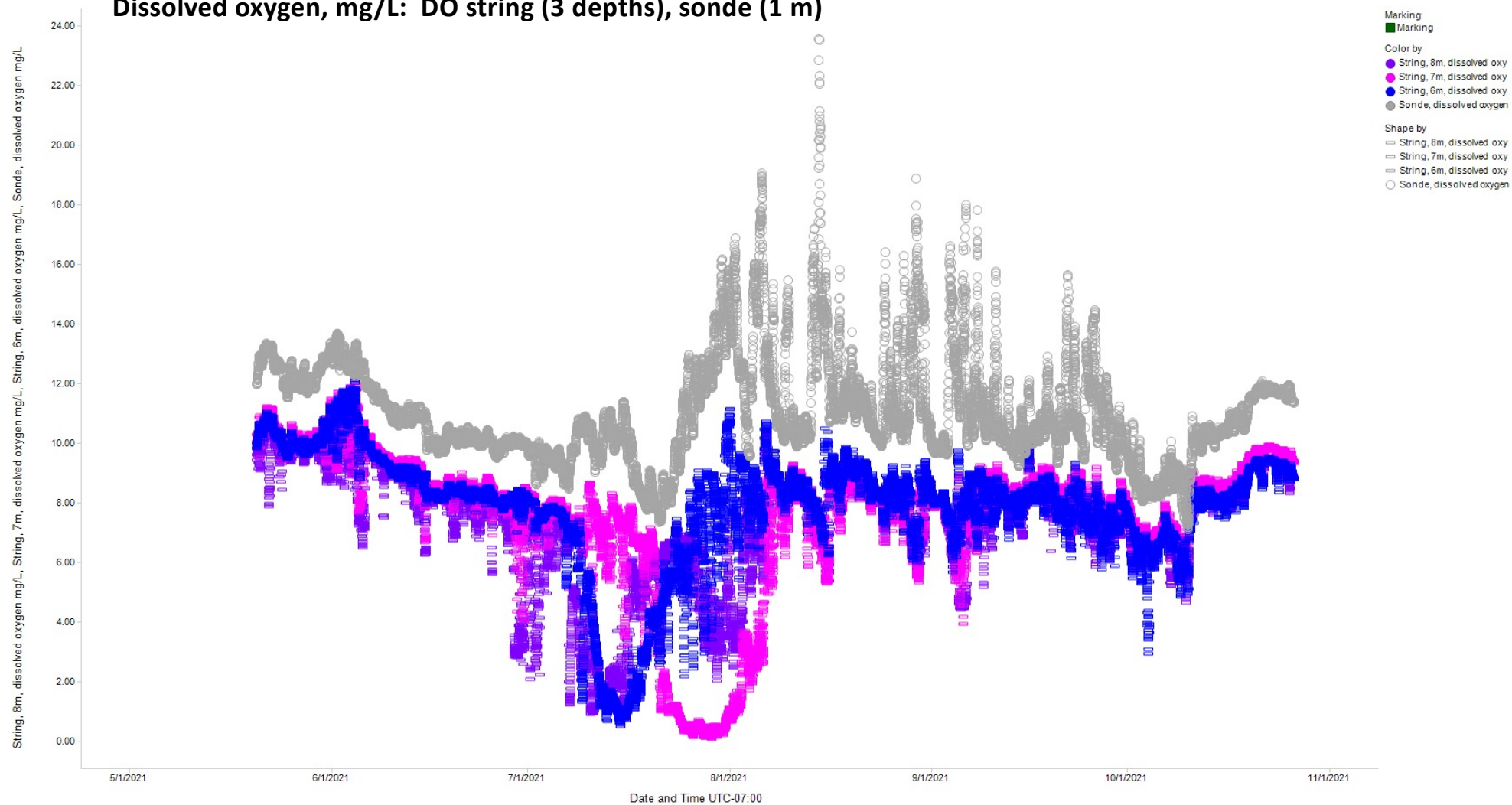


# Temperature, degrees C: T string (8 depths)

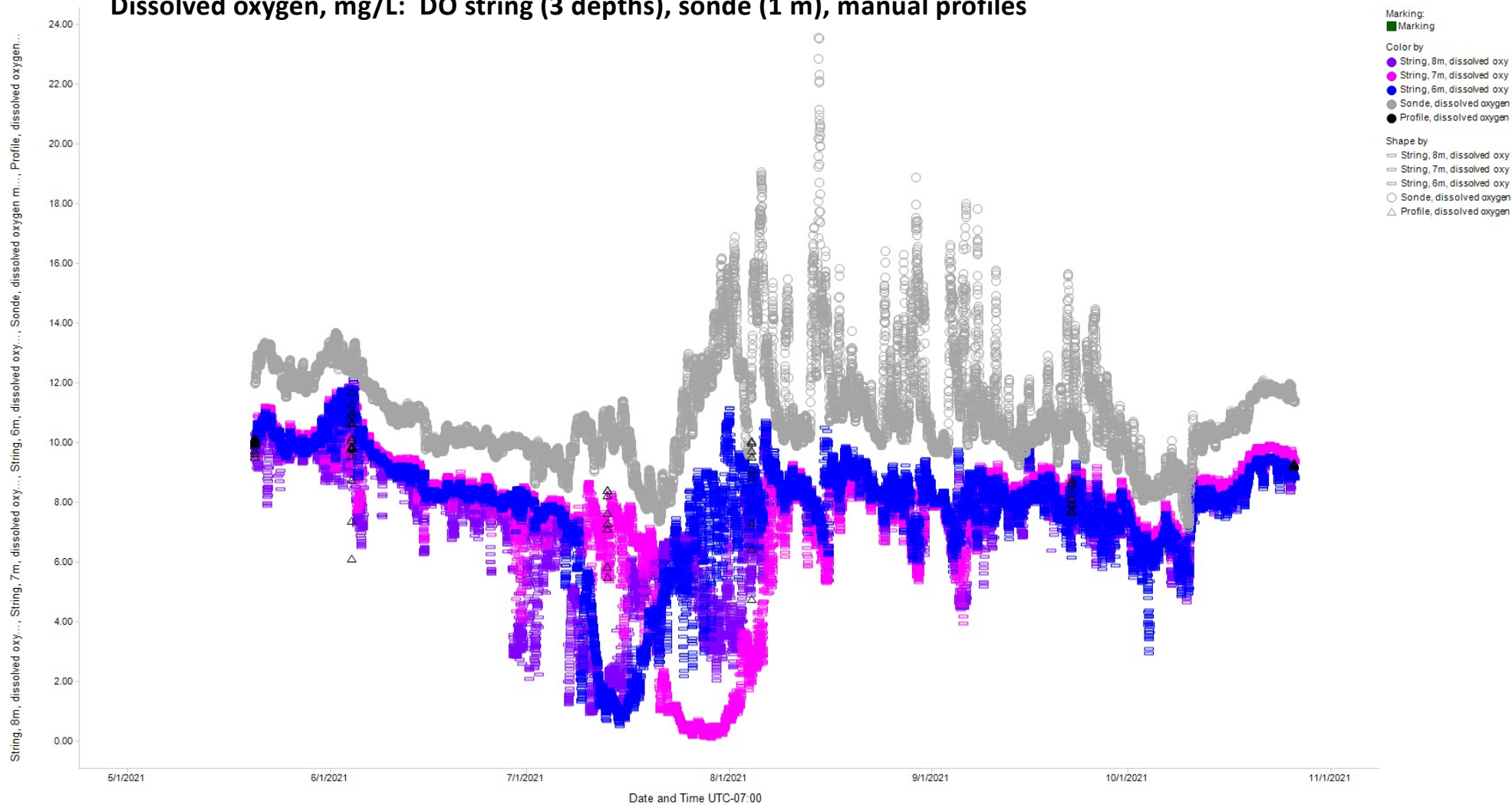


20°C= Adult-chronic criterion for lake whitefish

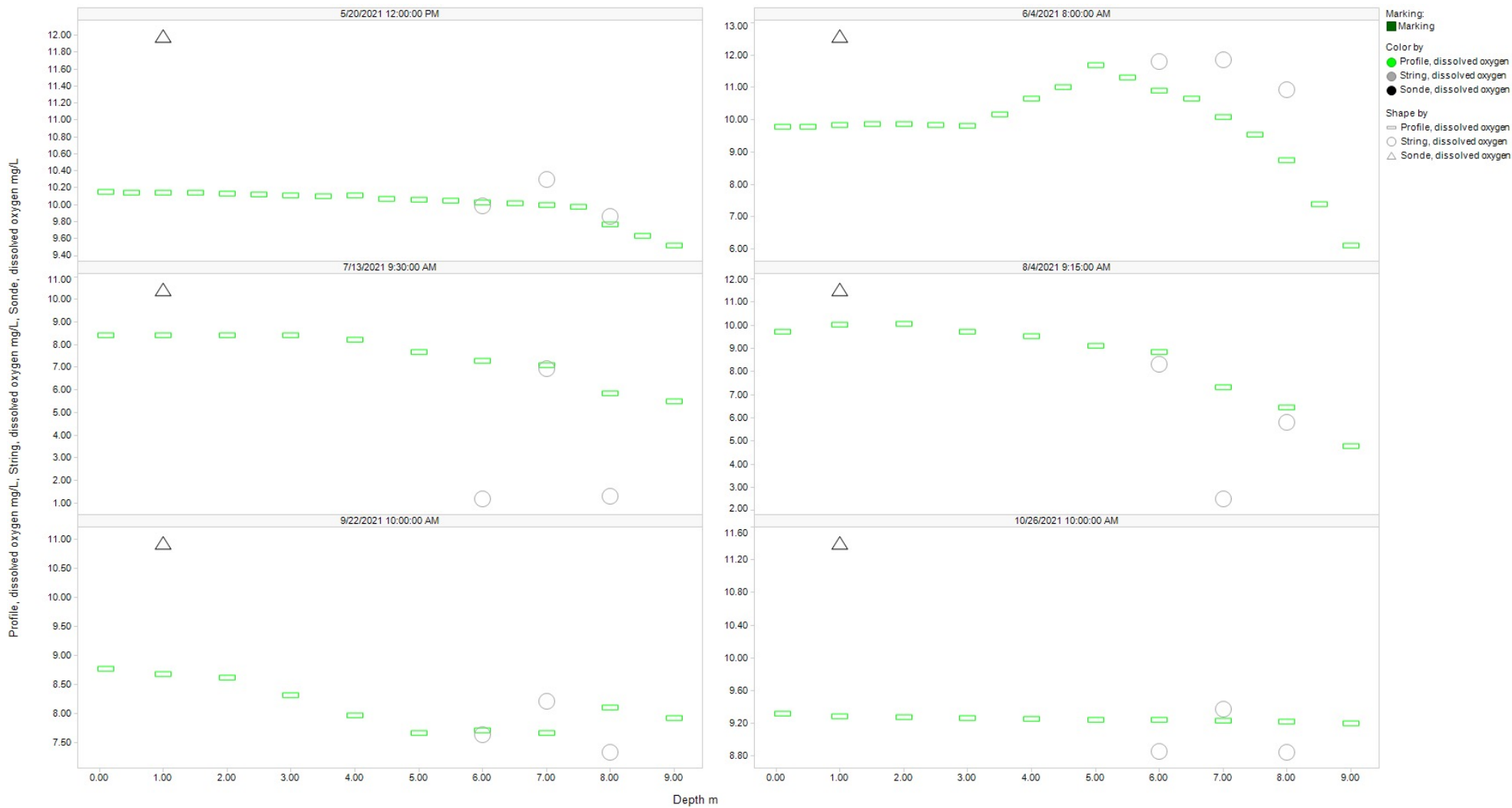
## Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m)



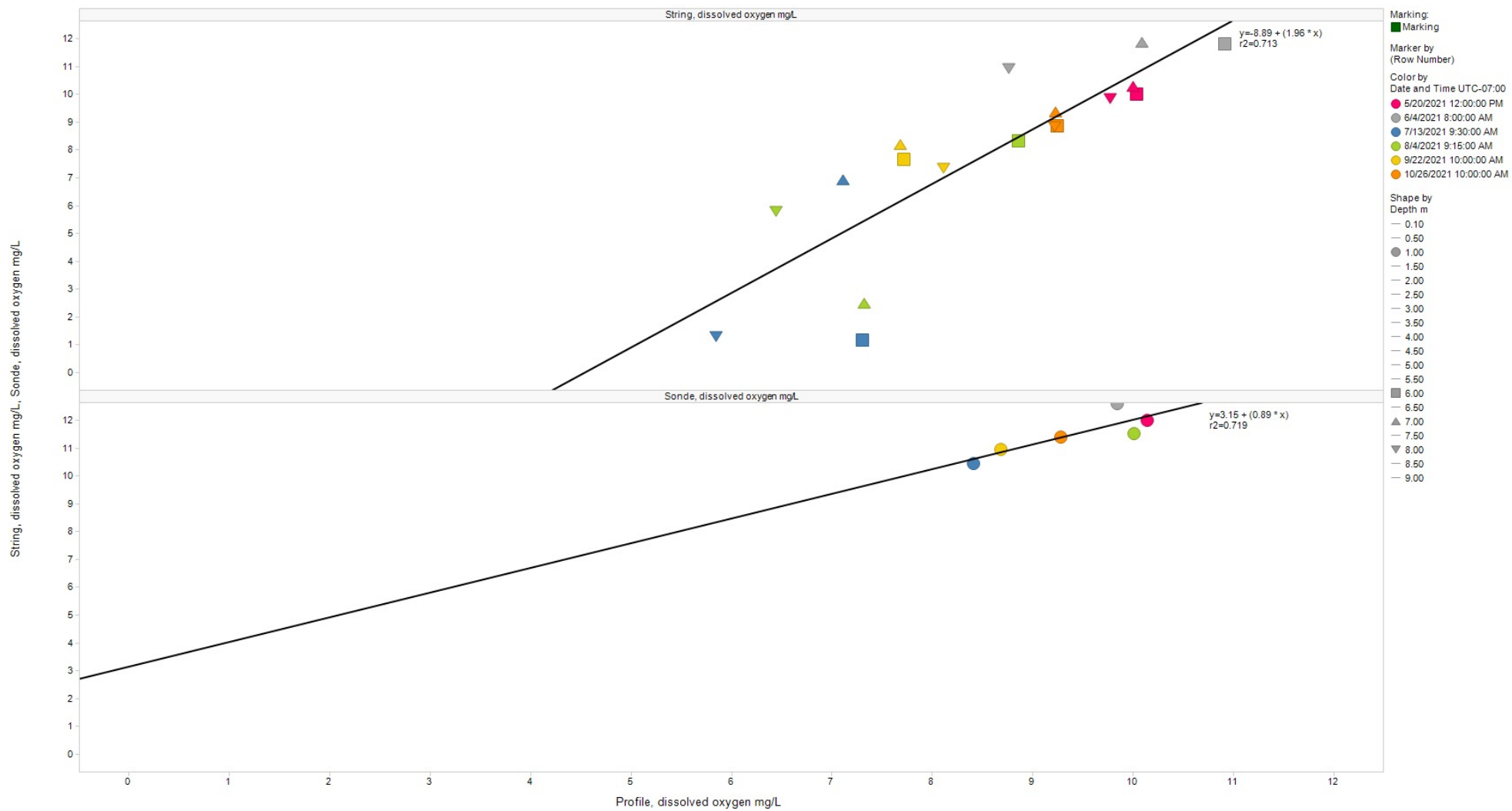
# Dissolved oxygen, mg/L: DO string (3 depths), sonde (1 m), manual profiles



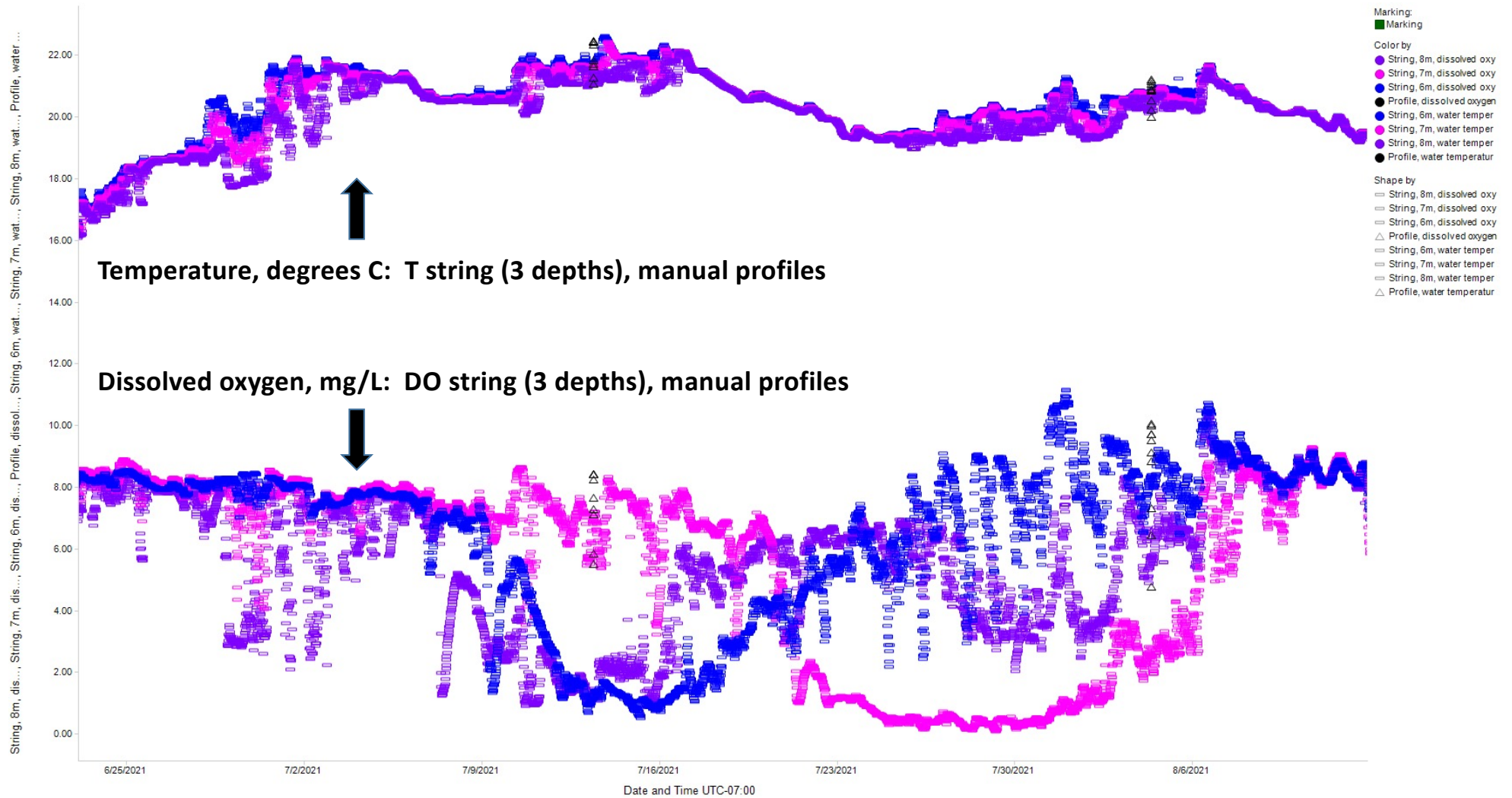
Dissolved oxygen (mg/L) versus depth (m) for five dates: DO string (3 depths), sonde (1 m), manual profiles



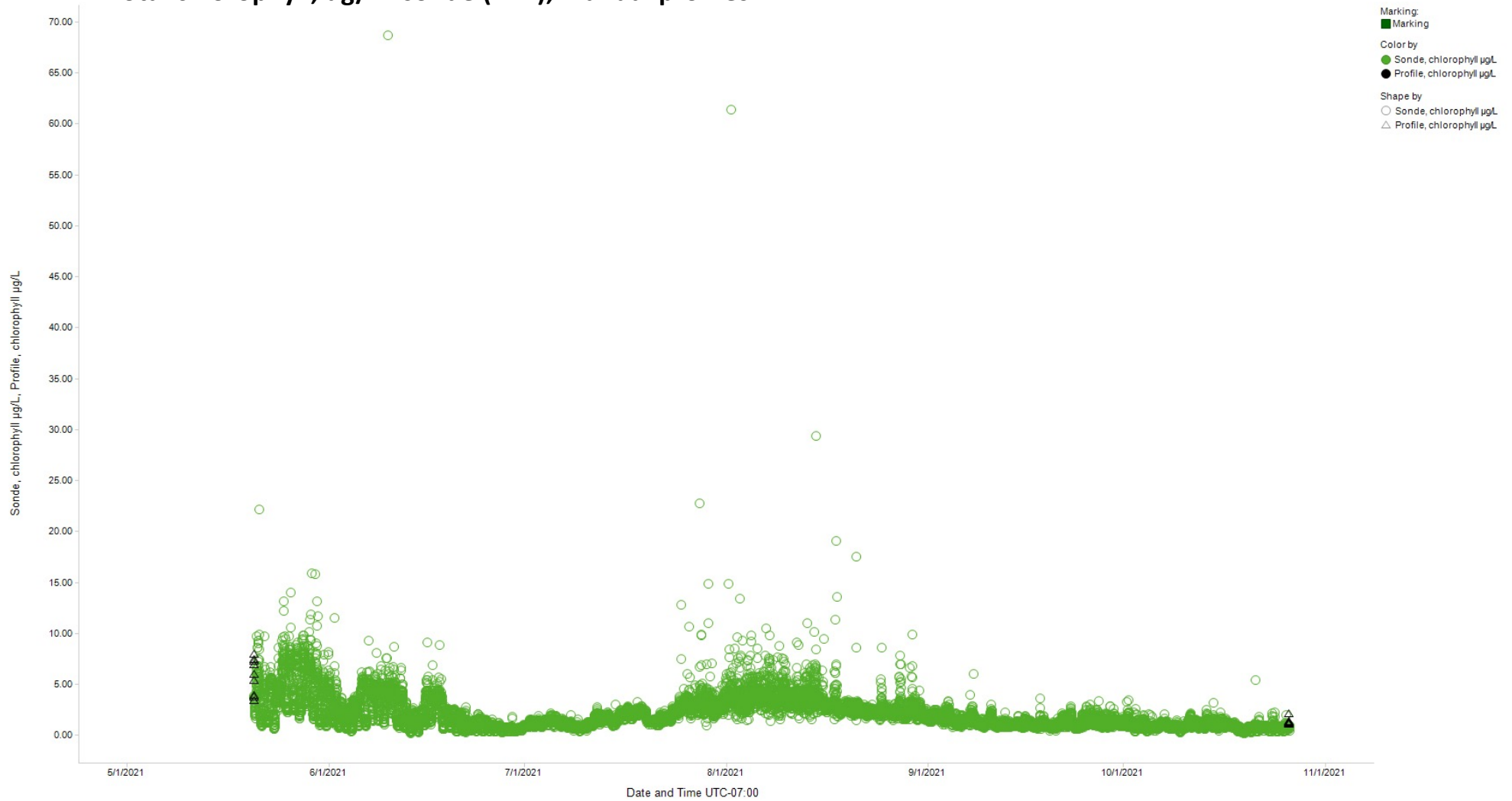
Dissolved oxygen (mg/L) comparisons; buoy data are questionable; need manual cleaning or replacement at regular intervals



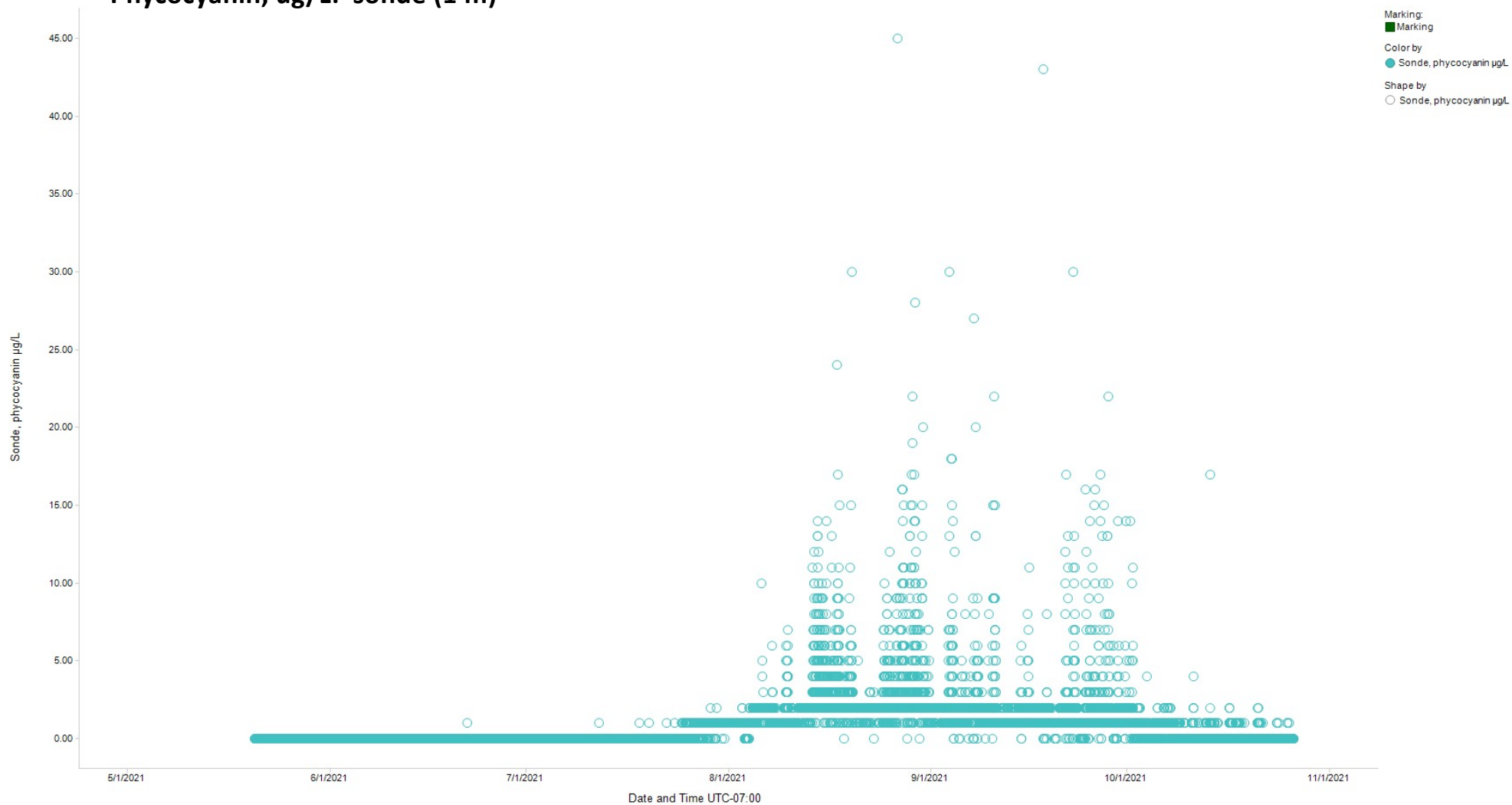
# Zoom in



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



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



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

