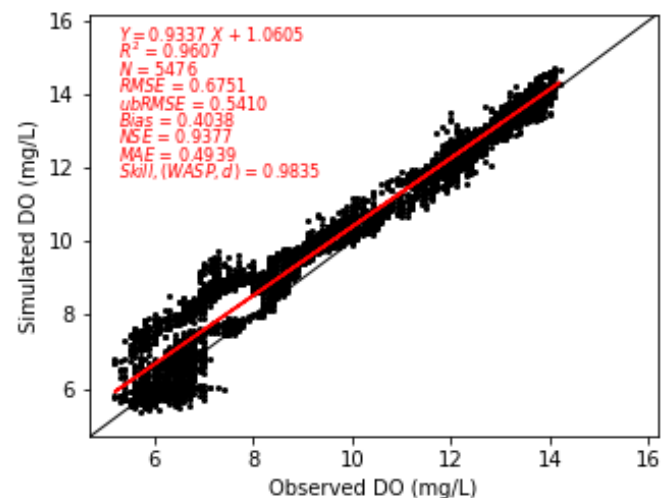
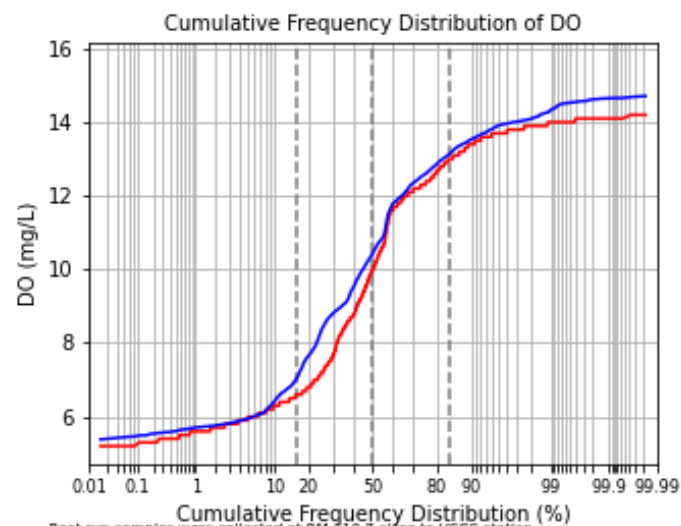
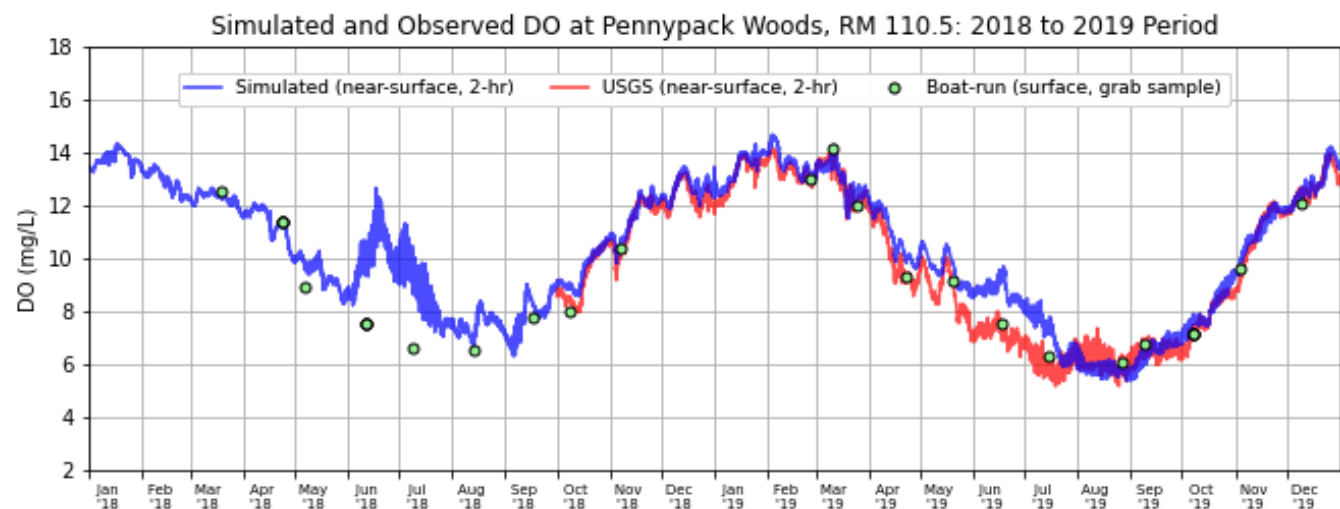


## Appendix G: Diagnostic Analysis

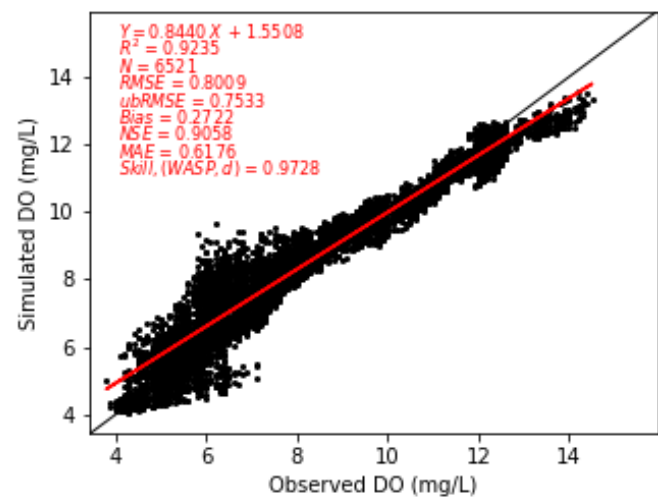
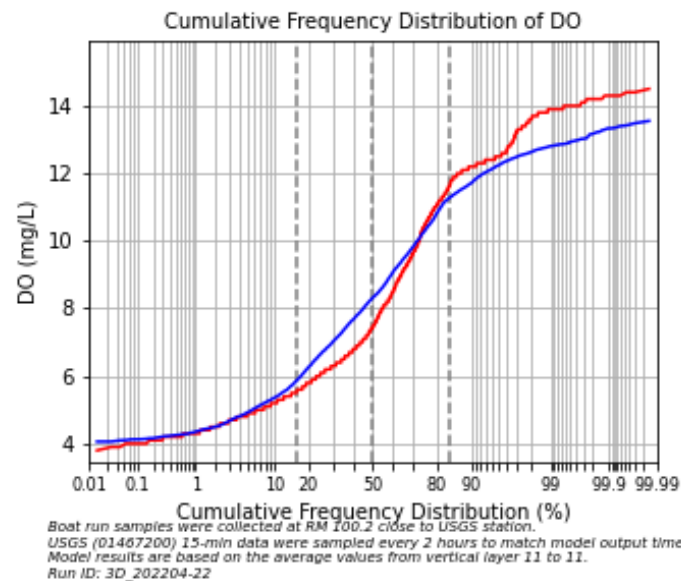
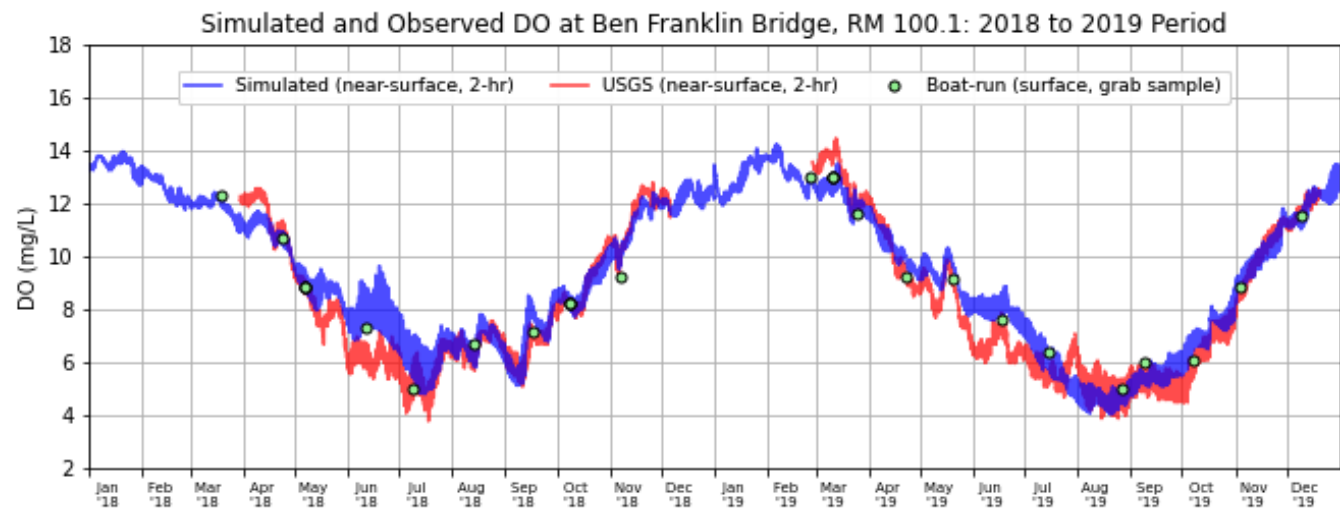
### Appendix G-4: Zone-2 light attenuation diagnosis - DO

This appendix is in connection with Section 4.5.3 in the main report – Zone-2 Light Attenuation Diagnosis. It presents the model-data comparisons of dissolved oxygen concentrations at the USGS stations and PWD-Buoys, with the seasonal adjustment of  $K_e$ , for the 2018–2019 calibration period.

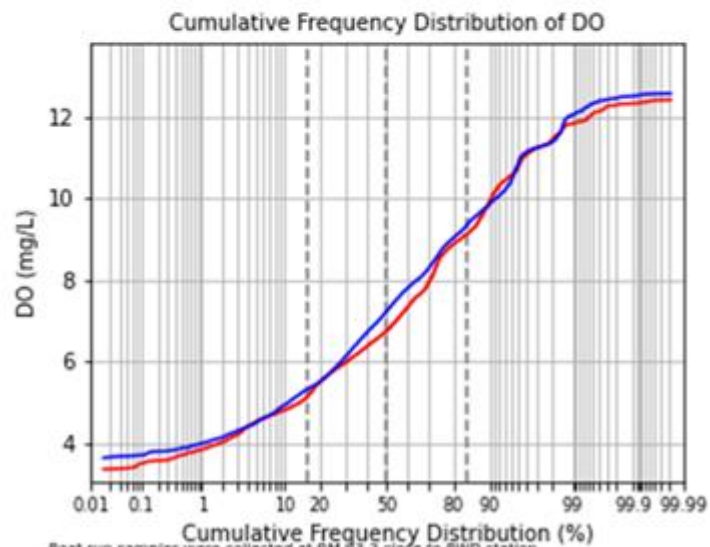
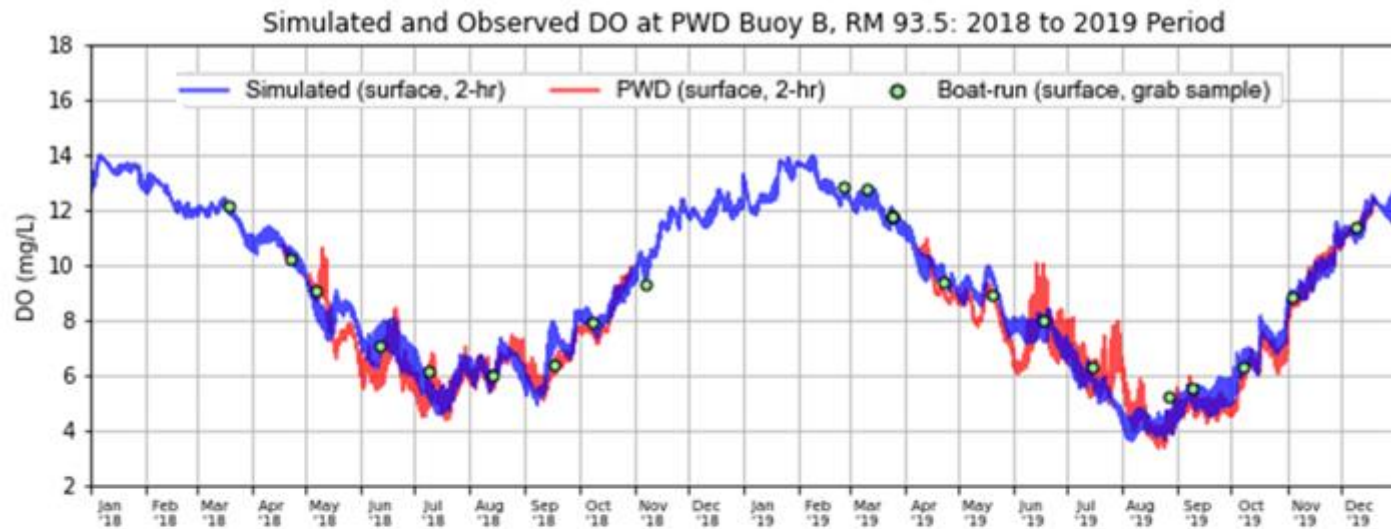


Boat run samples were collected at RM 110.7 close to USGS station.  
 USGS (014670261) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22

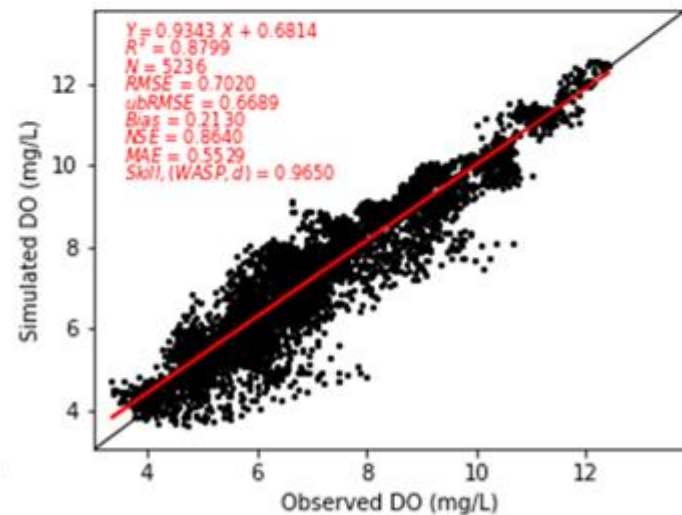
sb 2022-04-22 15:31:53 D:\Analysis\PostProcess\Phyto\3D\Analysis\PostProcess\Phyto\p\_WASP\_TSR\_model\_DO\_DOSAT\_with\_USGS\_data\_4\_stations\_and\_PWD\_Boat\_3D.vpy



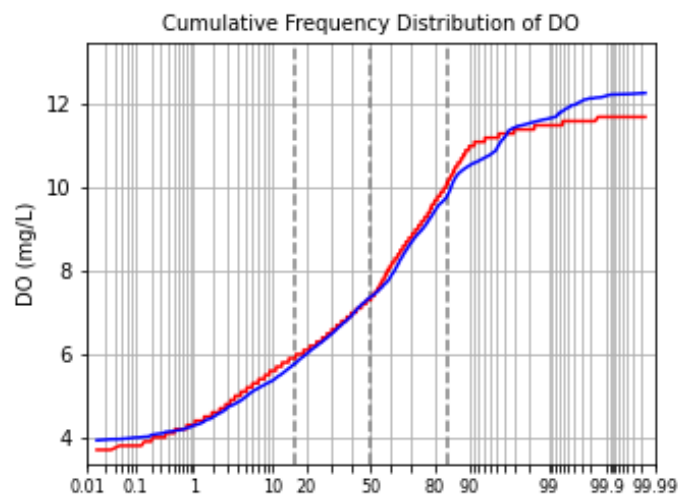
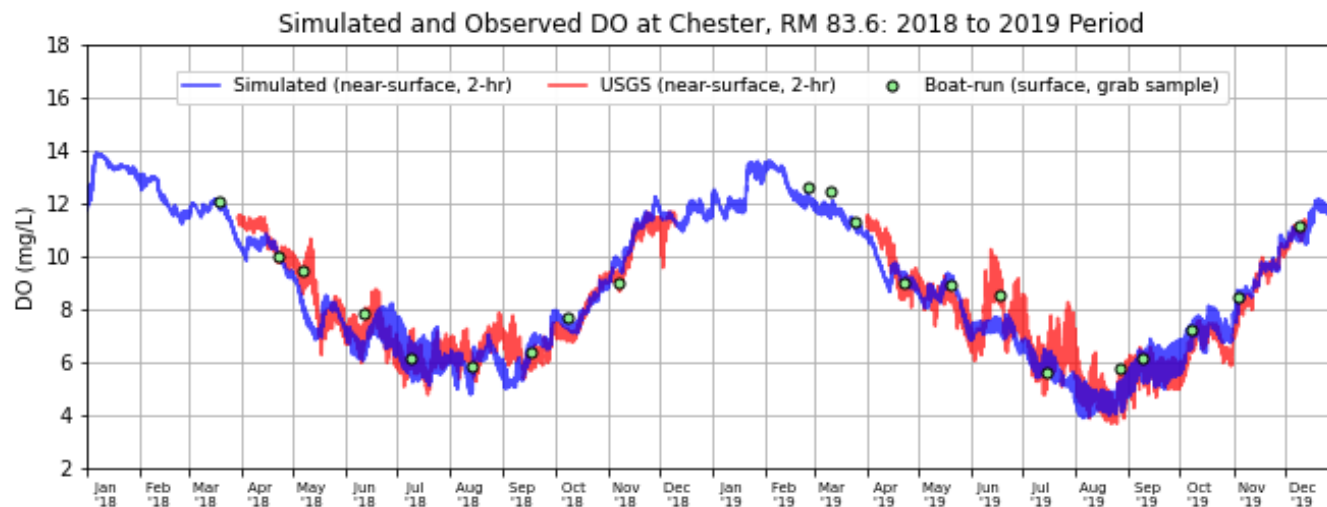
sb 2022-04-22 15:31:53 D:\Analysis\PostProcess\Phyto\3D\Analysis\PostProcess\Phyto\p\_WASP\_TSR\_model\_DO\_DOSAT\_with\_USGS\_data\_4\_stations\_and\_PWD\_Buoy\_3D.vpy



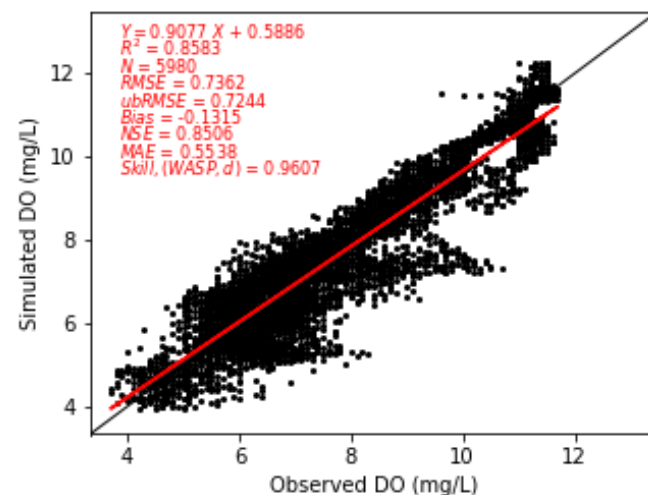
Boat run samples were collected at RM 93.2 close to PWD station.  
 USGS (PWD Buoy B) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 12 to 12.  
 Run ID: 3D\_202204-22



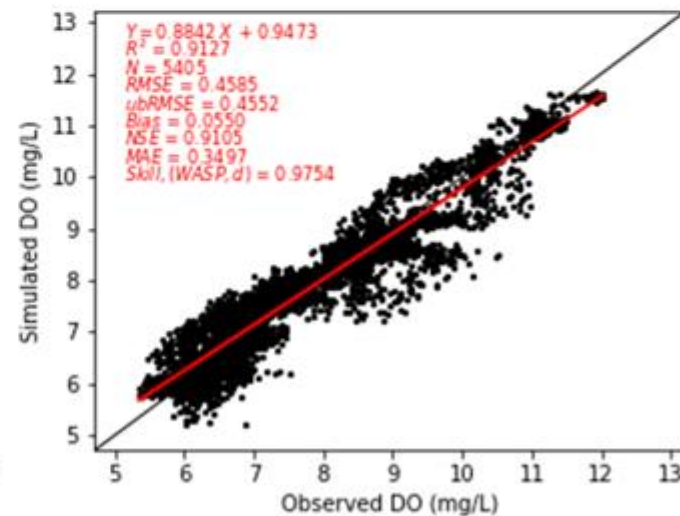
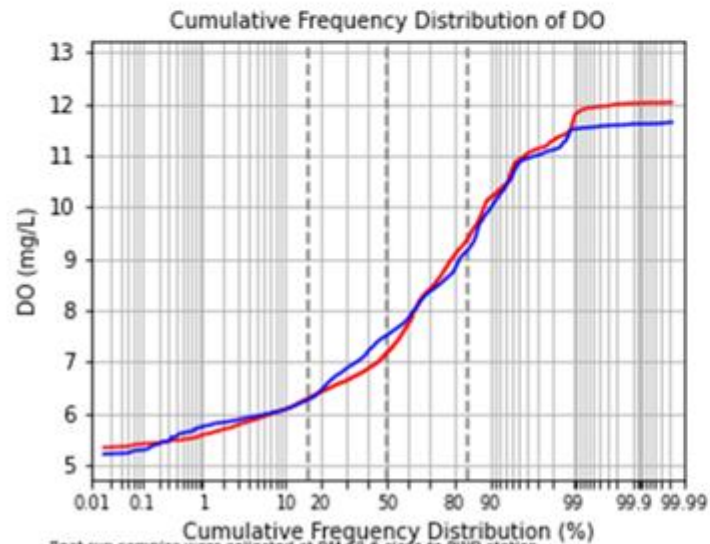
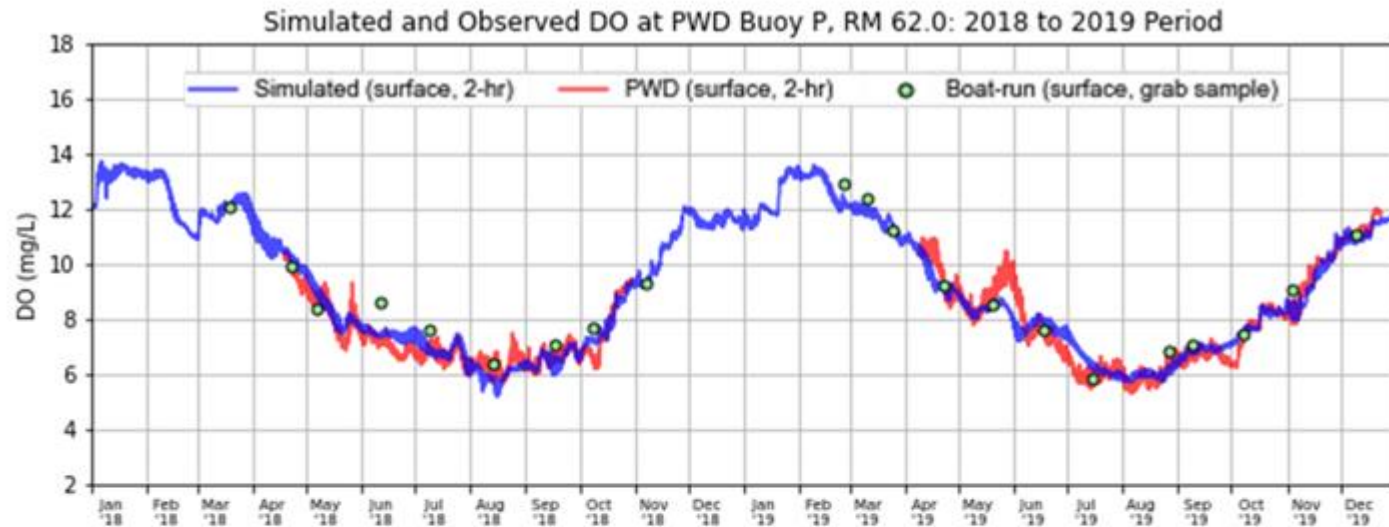
2022-04-22 15:11:53 D:\Analysis\PathProcess\Physid\Analysis\PathProcess\Physidp\_WASP\_TSR\_model\_DO\_CO2AT\_with\_USGS\_data\_4\_stations\_and\_PWD\_Buoy\_3Dv02



Boat run samples were collected at RM 84.0 close to USGS station.  
 USGS (01477050) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22

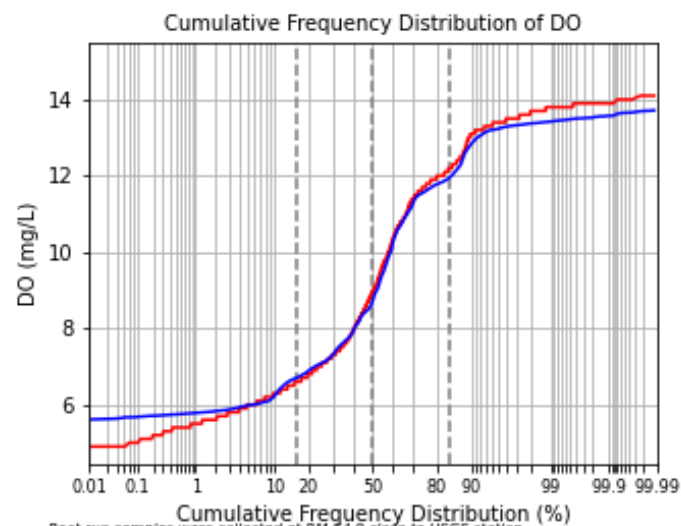
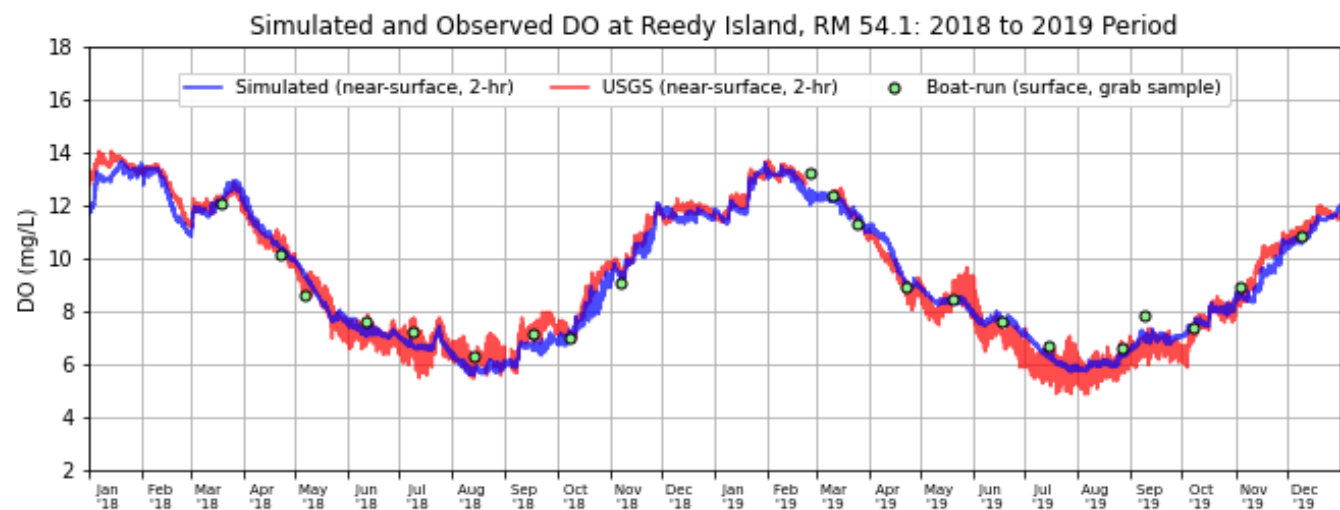


sb 2022-04-22 15:31:53 C:\Analysis\PostProcess\Phylo\g\WASP\_TSR\_model\_DO\_DOSAT\_with\_USGS\_data\_4\_stations\_and\_FWD\_Boat\_3Dvpy

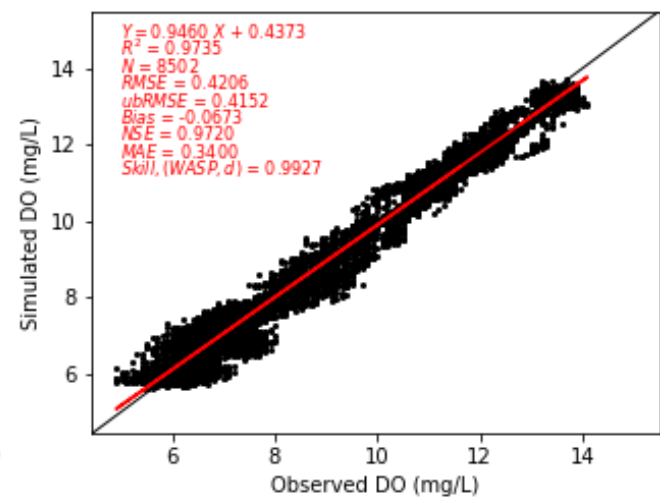


Boat run samples were collected at RM 60.6 close to PWD station.  
 USGS (PWD Buoy P) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 12 to 12.  
 Run ID: 3D\_202204-22

18 2022-04-22 15:31:53 C:\Analysis\PathProcess\PhysIO\Analysis\PathProcess\PhysIOp\_WASP\_TSR\_model\_DO\_DOSAT\_with\_USGS\_data\_4\_statistics\_and\_PWD\_Buoy\_3Dvdy



Boat run samples were collected at RM 54.9 close to USGS station.  
 USGS (01482800) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22



sb 2022-04-22 15:31:53 D:\Analysis\PostProcess\Phyto\3D\Analysis\PostProcess\Phyto\p\_WASP\_TSR\_model\_DO\_DOSAT\_with\_USGS\_data\_4\_stations\_and\_PWD\_Buoy\_3D.vpy