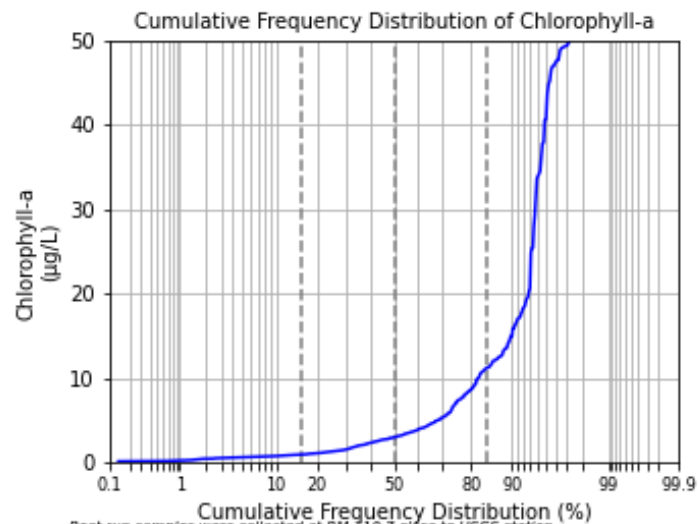
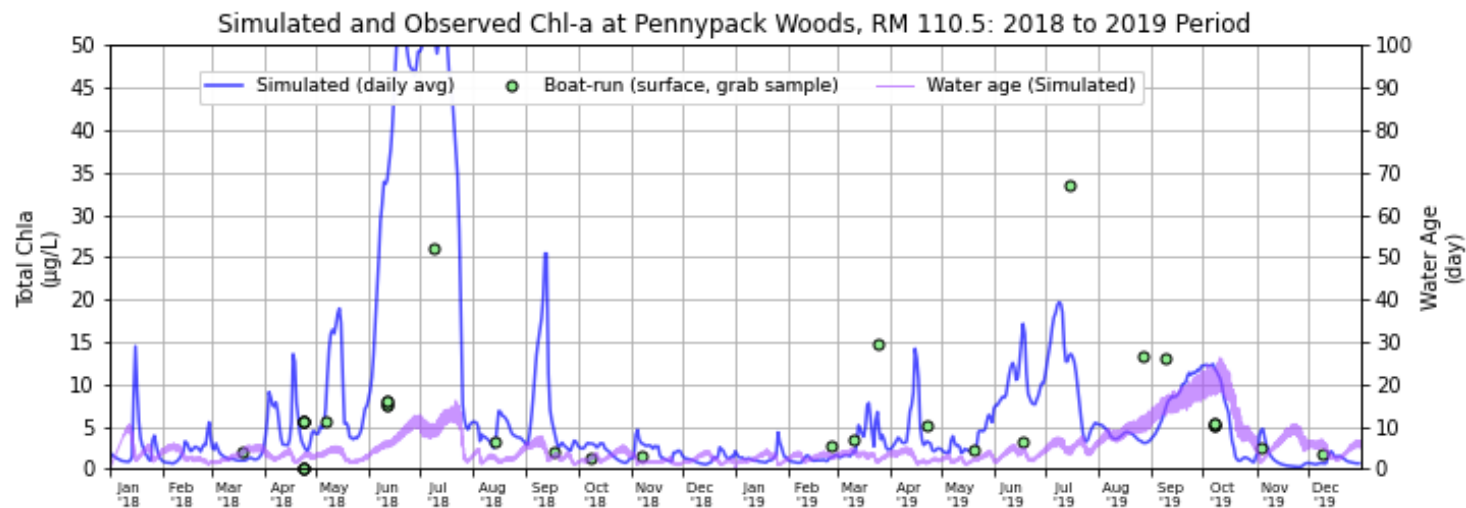


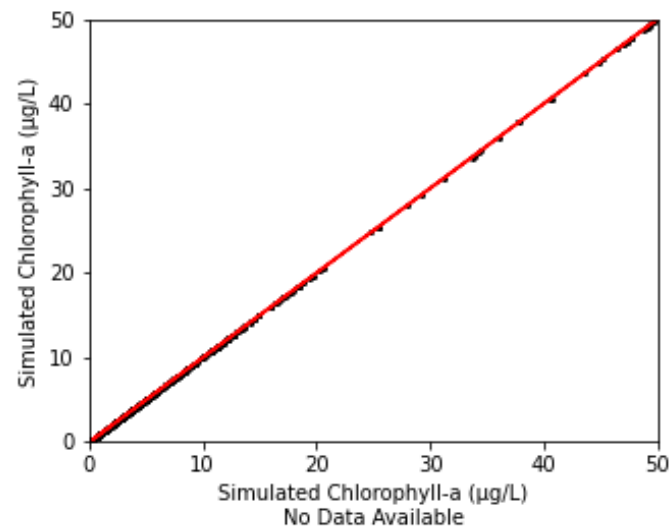
## Appendix G: Diagnostic Analysis

### Appendix G-5: Zone-2 light attenuation diagnosis - Phytoplankton

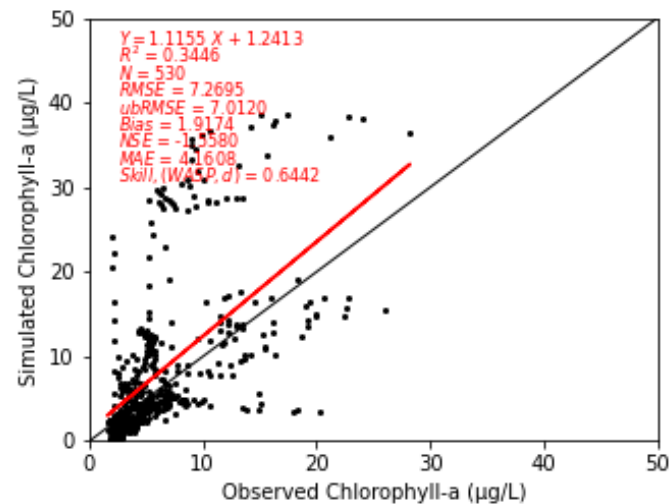
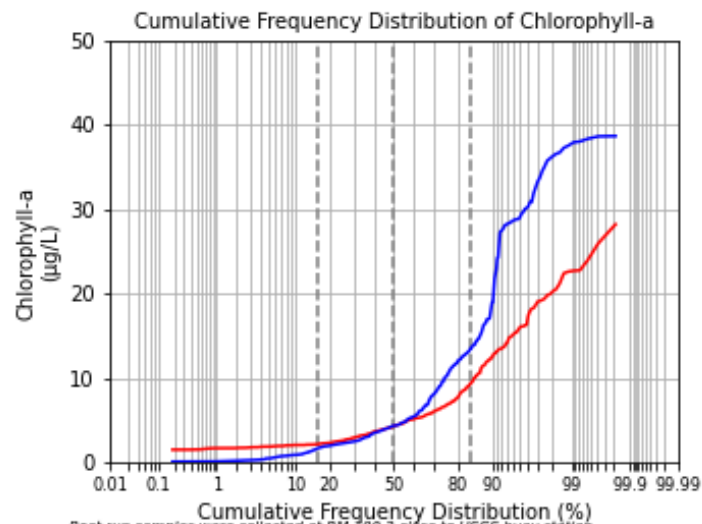
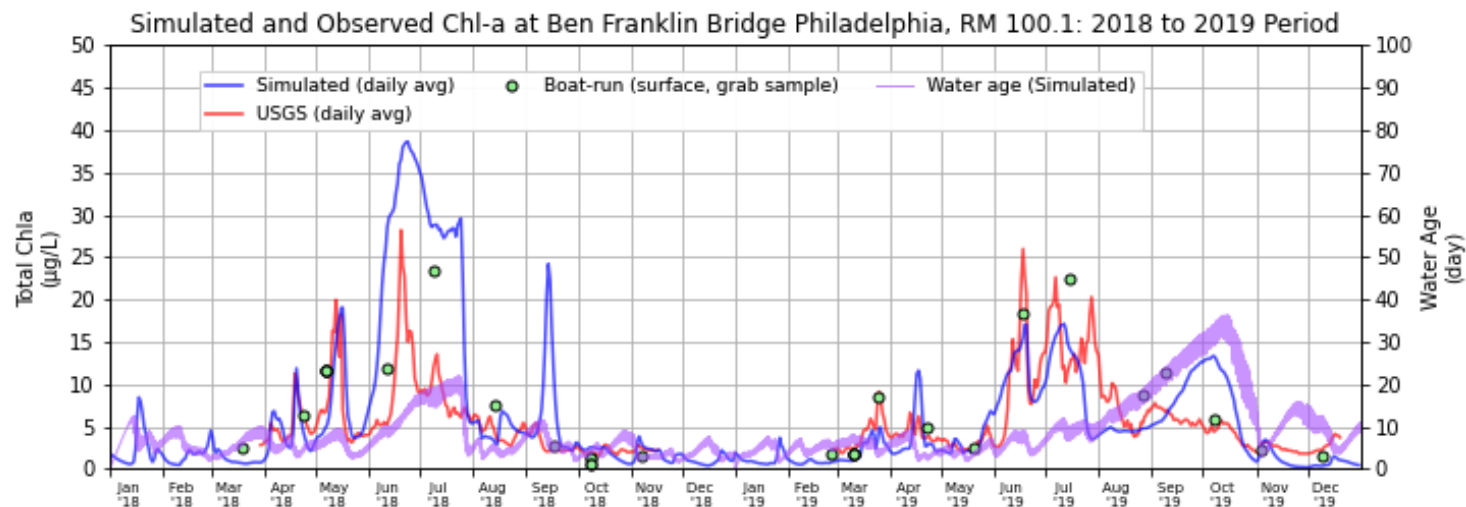
This appendix is in connection with Section 3.2.5.3 in the main report – Zone-2 Light Attenuation Diagnosis. It presents the model-data comparisons of phytoplankton concentrations at the USGS stations and PWD-Buoys, with the seasonal adjustment of  $K_e$ , for the 2018–2019 calibration period.



Boat run samples were collected at RM 110.7 close to USGS station.  
 USGS (014670261) data were not available.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22

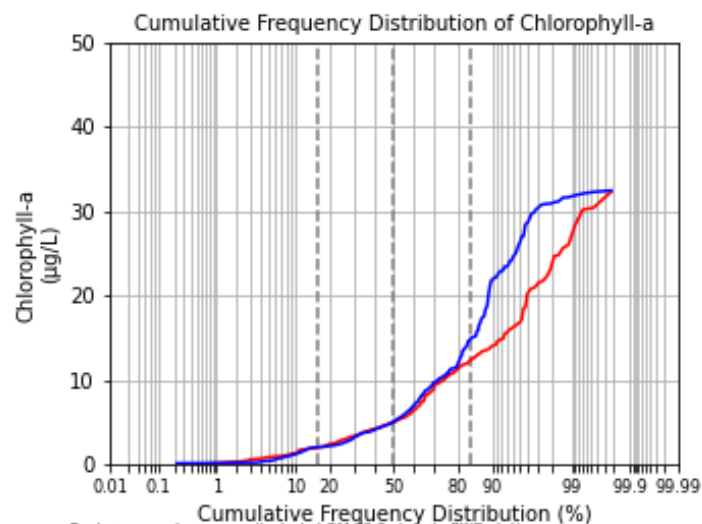
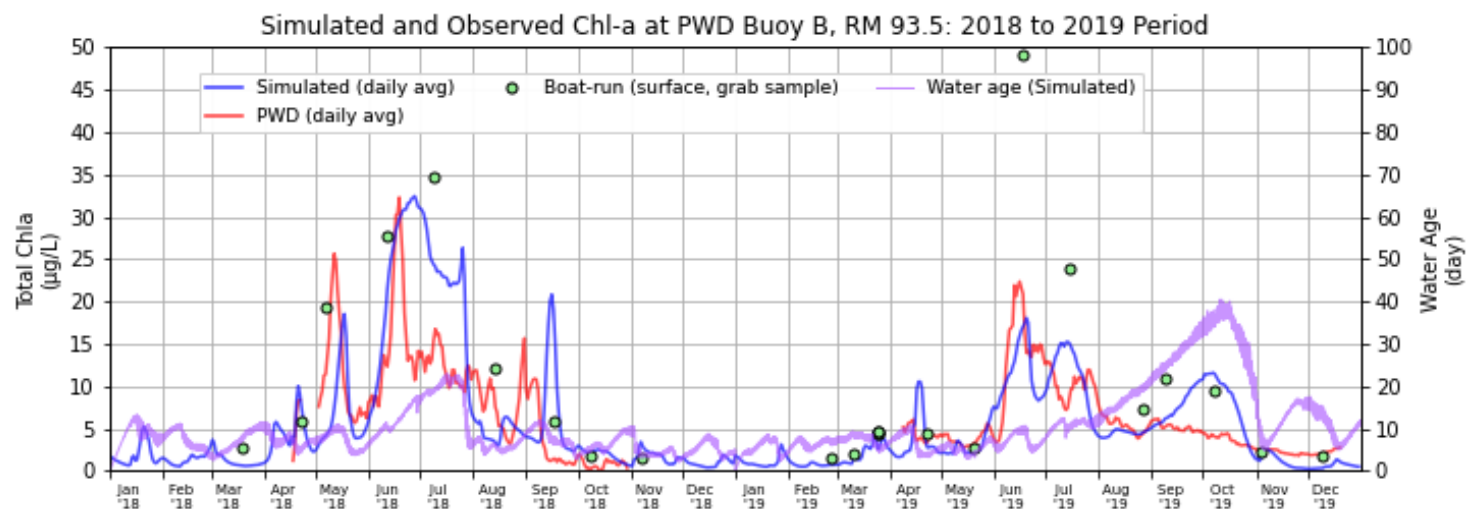


sb 2022-04-25 11:40:31 D:\Analysis\PostProcess\Phyto\3D\Analysis\PostProcess\Phyto\p\_WASP\_TSR\_model\_Chla\_with\_USGS\_data\_4stations\_and\_PWD\_Susy\_3Dx.py

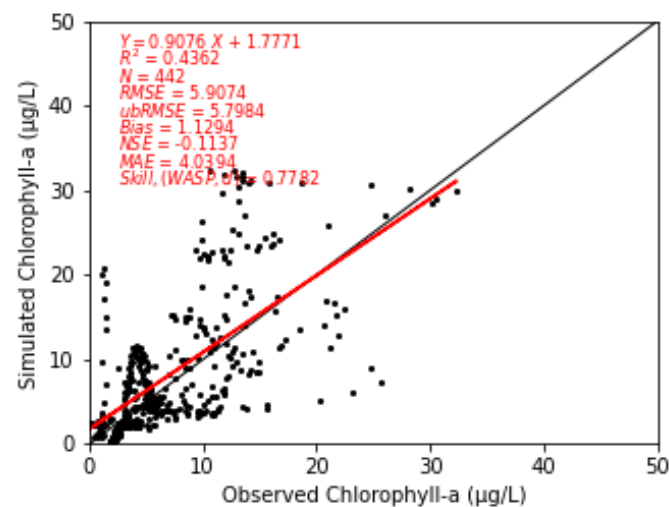


Boat run samples were collected at RM 100.2 close to USGS buoy station.  
 USGS (01467200) 12-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22

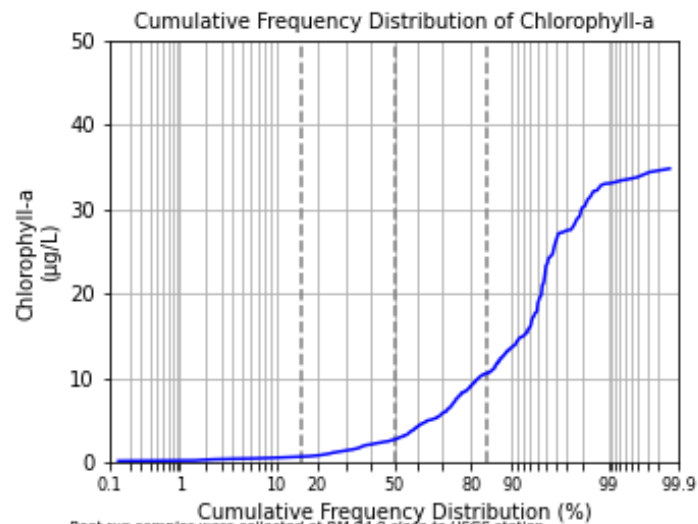
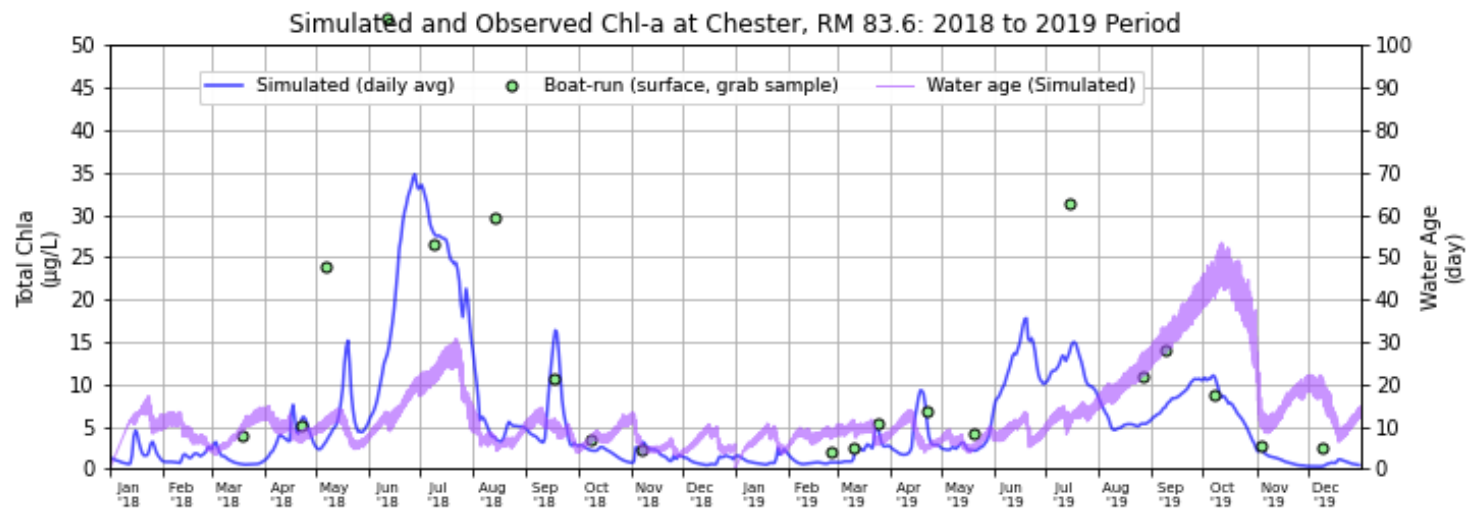
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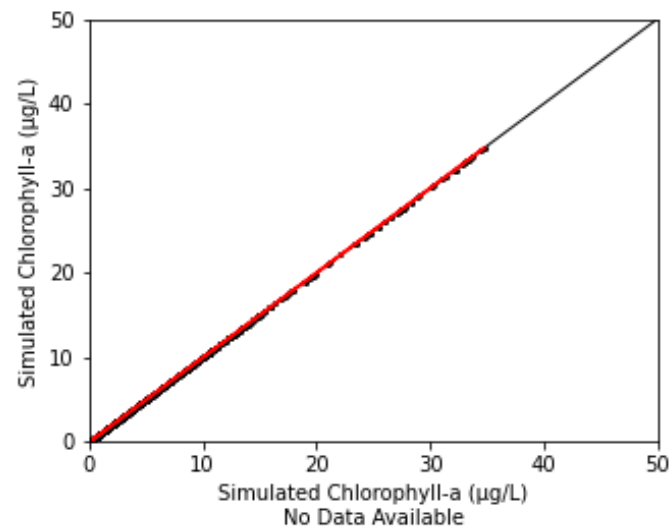
Boat run samples were collected at RM 93.2 close to PWD station.  
 USGS (PWD Buoy B) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 12 to 12.  
 Run ID: 3D\_202204-22



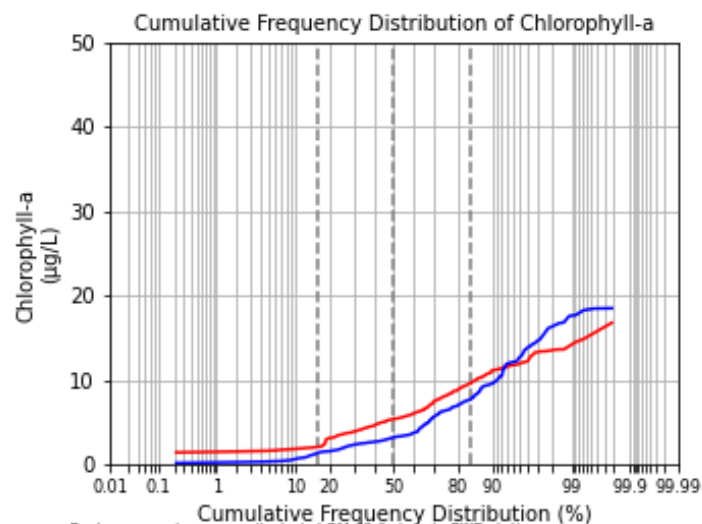
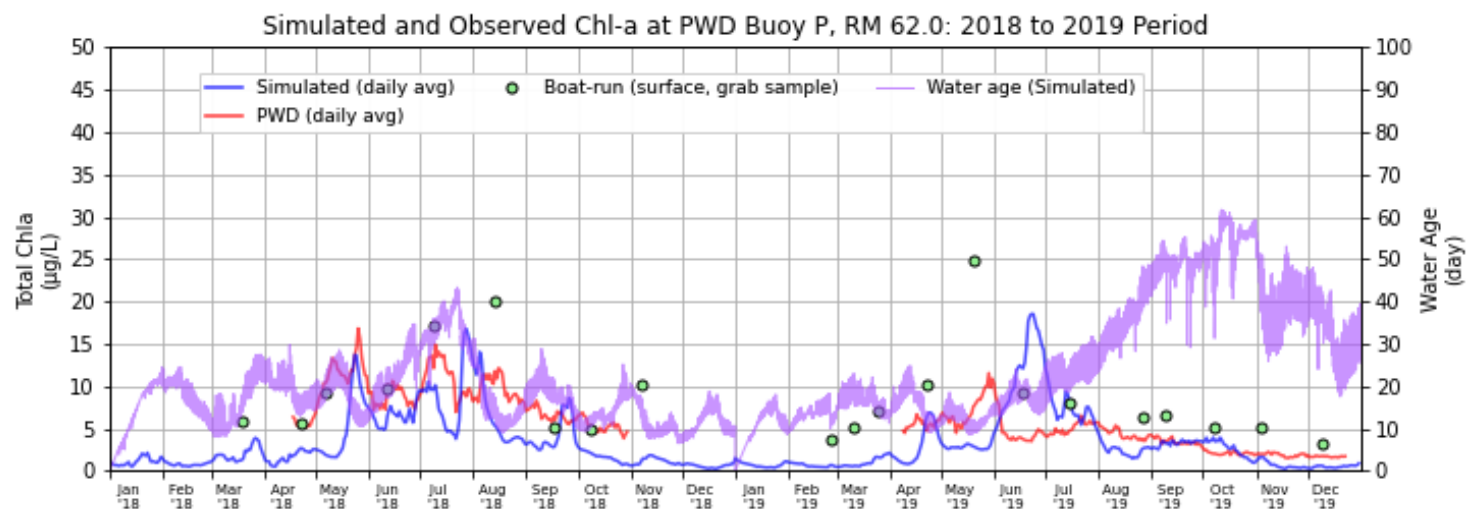
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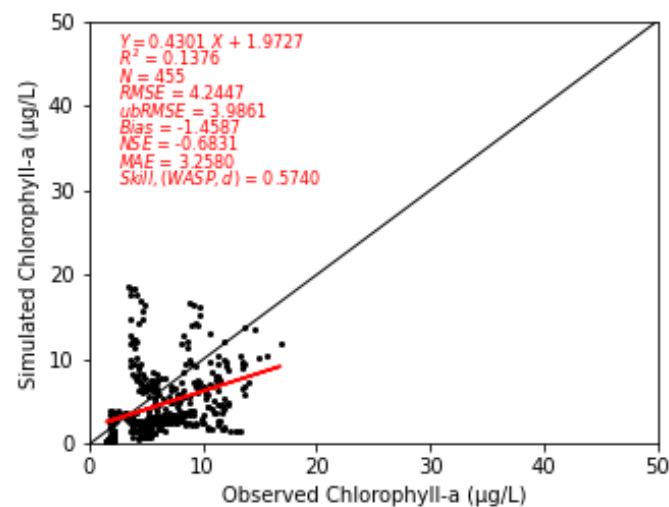
Boat run samples were collected at RM 84.0 close to USGS station.  
 USGS (01477050) data were not available.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22



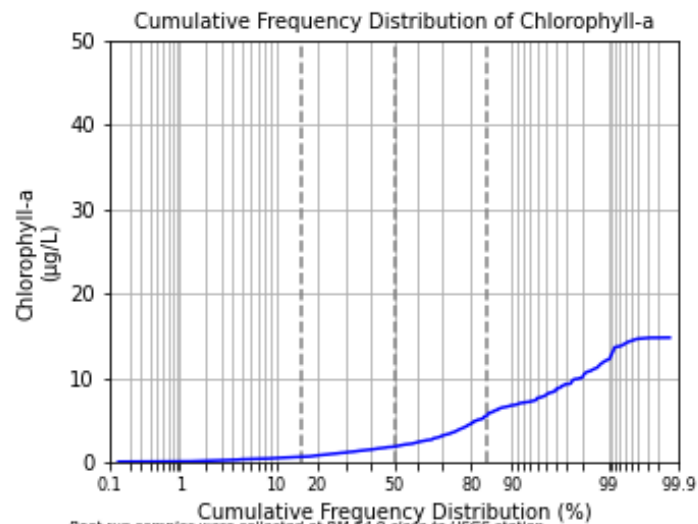
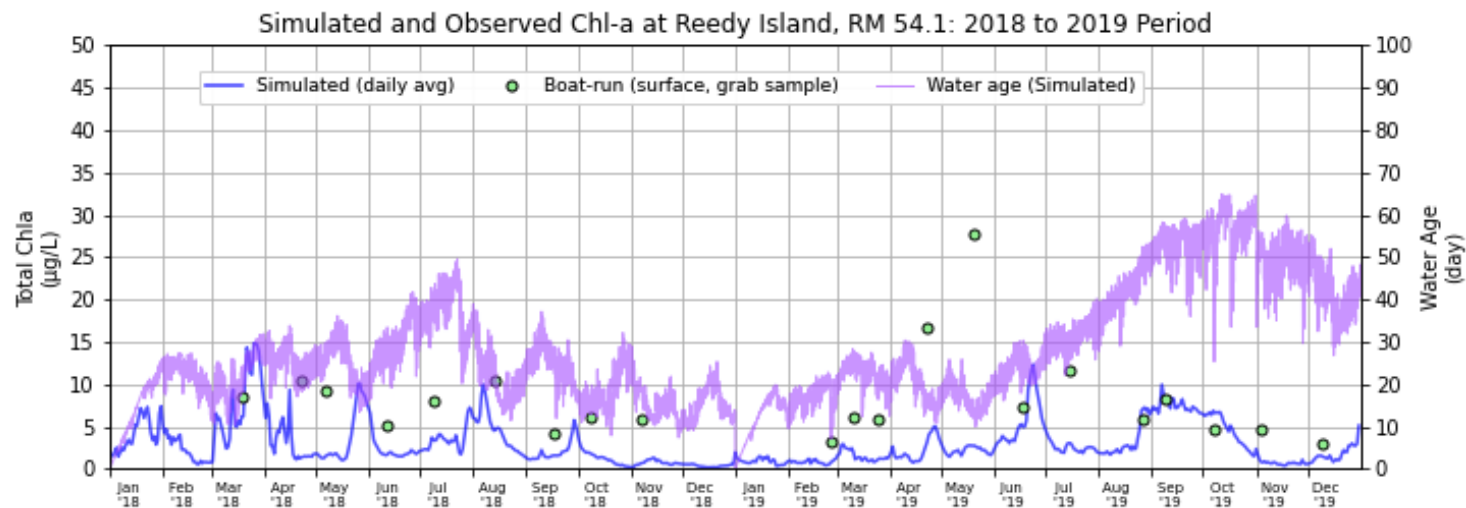
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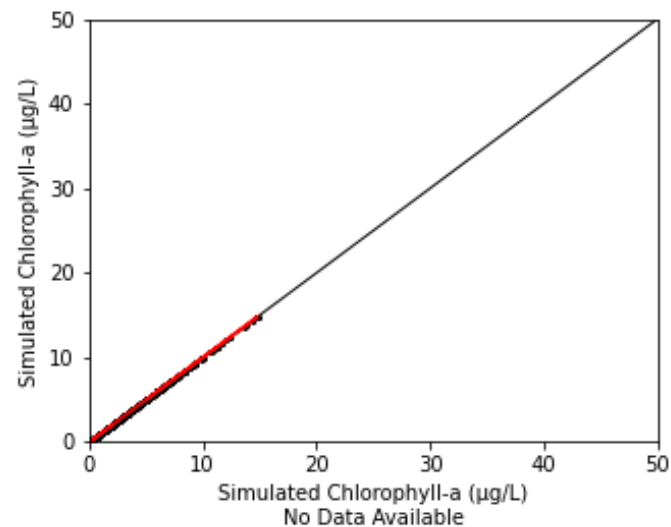
Boat run samples were collected at RM 60.6 close to PWD station.  
 USGS (PWD Buoy P) 15-min data were sampled every 2 hours to match model output time step.  
 Model results are based on the average values from vertical layer 12 to 12.  
 Run ID: 3D\_202204-22



sb 2022-04-25 11:40:31 D:\Analysis\PostProcess\Python\3D\WASP\_TSR\_model\_Chla\_with\_USGS\_data\_4stations\_and\_PWD\_buoy\_3Dx.py



Boat run samples were collected at RM 54.9 close to USGS station.  
 USGS (01482800) data were not available.  
 Model results are based on the average values from vertical layer 11 to 11.  
 Run ID: 3D\_202204-22



sb 2022-04-25 11:40:31 D:\Analysis\PostProcess\Phyto\3D\Analysis\PostProcess\Phyto\p\_WASP\_TSR\_model\_Chla\_with\_USGS\_data\_4stations\_and\_PWD\_Susy\_3Dx.py