

Science, Service, Stewardship



CBIBS Data for Ecosystem Models

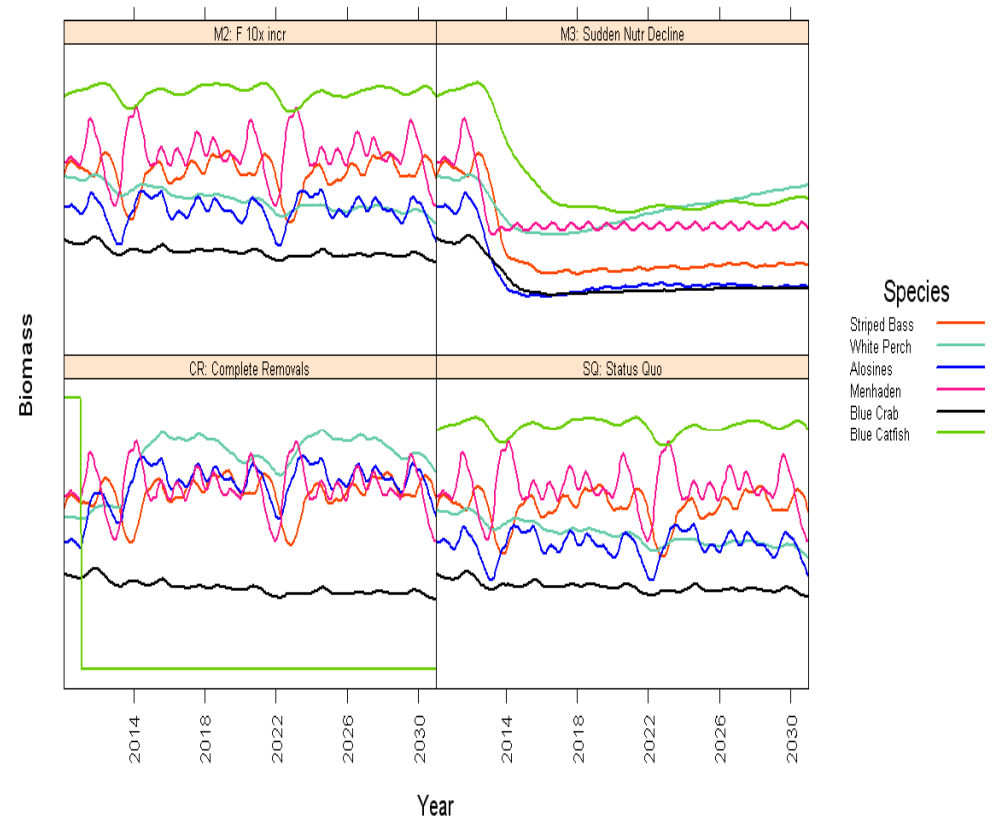
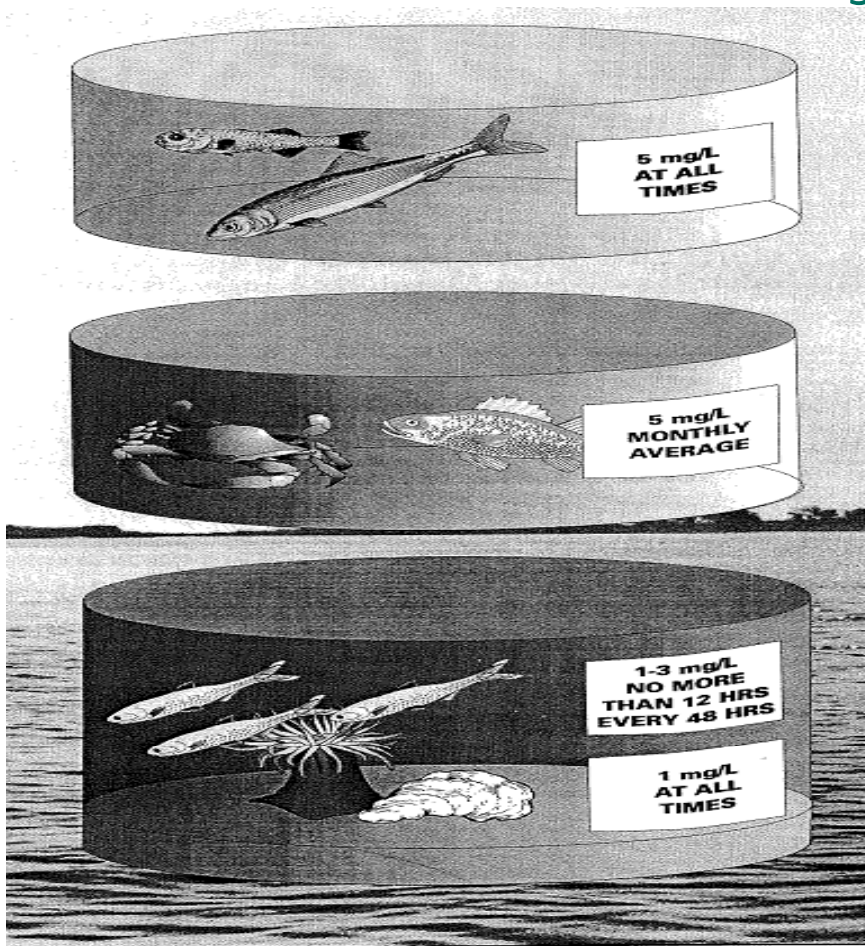
Howard Townsend
Mejs Hasan
Georgi Spiridonov

NOAA
CHESAPEAKE
BAY OFFICE

NOAA

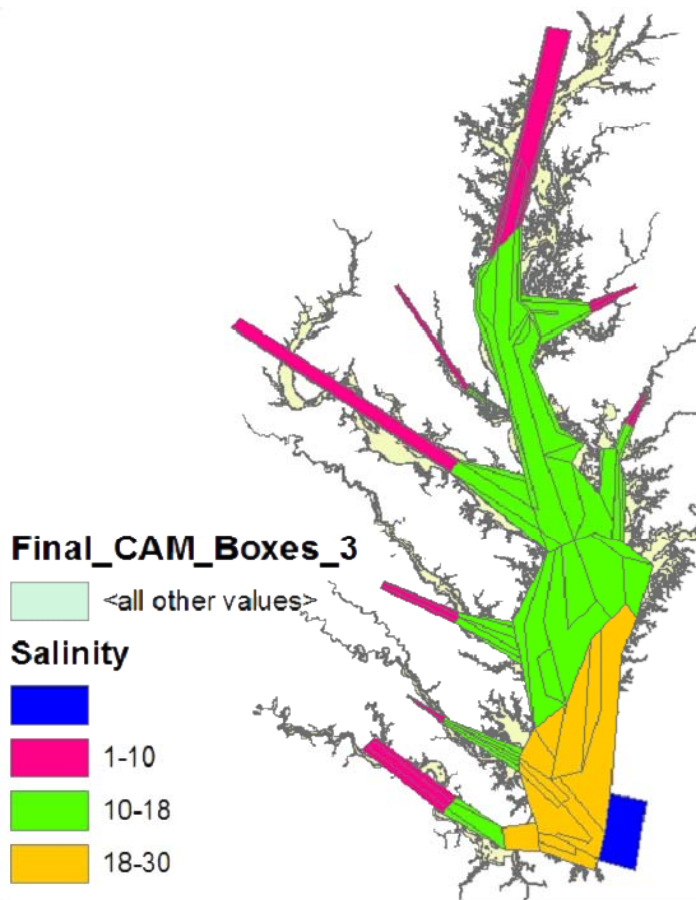


Ecosystem Models: Chesapeake Bay Fisheries Ecosystem Model

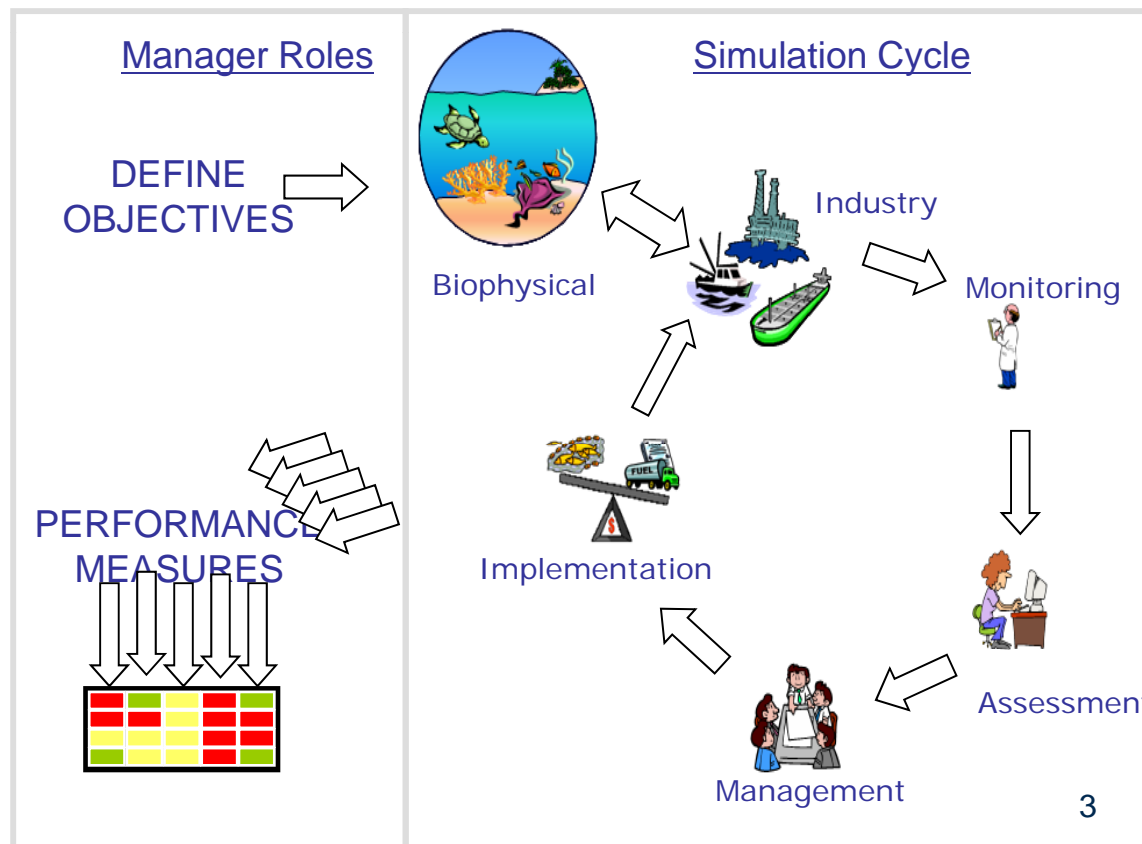




Ecosystem Models: Chesapeake Atlantis Model



Management Strategy Evaluation (MSE)





Data Needs

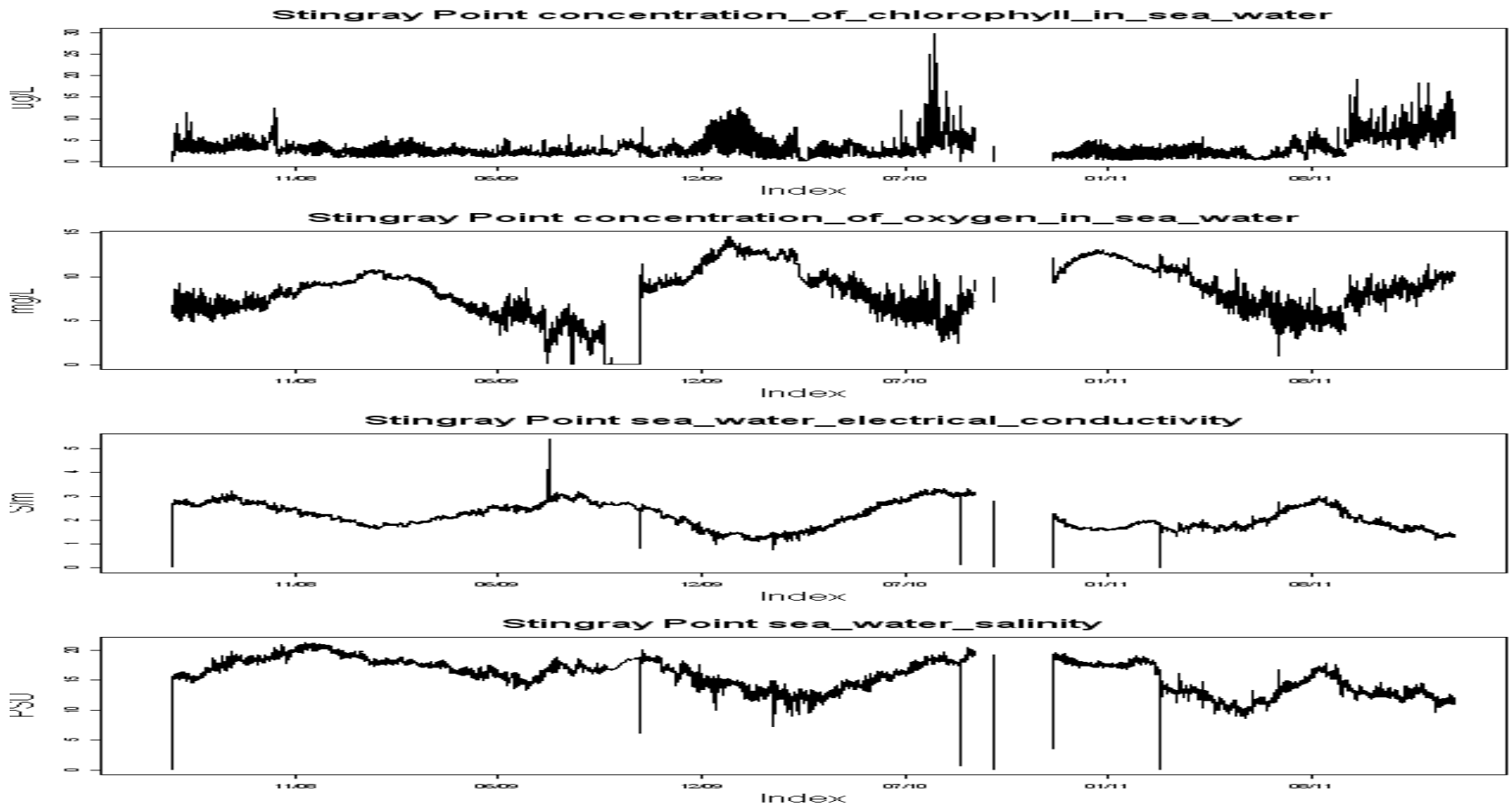
Generally, need info about physical and biogeochemical factors for:

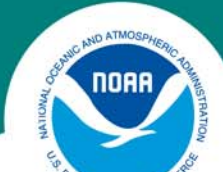
- 1) Forcing and mediation functions (CBFEM, EwE)
- 2) Understanding input parameters and validating biogeochemical modules (CAM, Atlantis)

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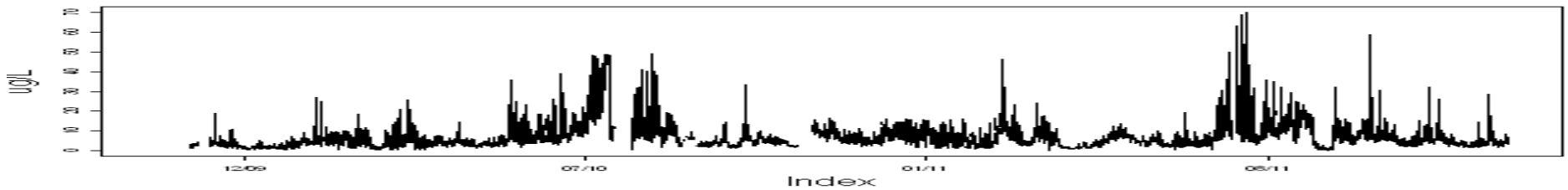
Data Exploration: The Good





Data Exploration : The Bad

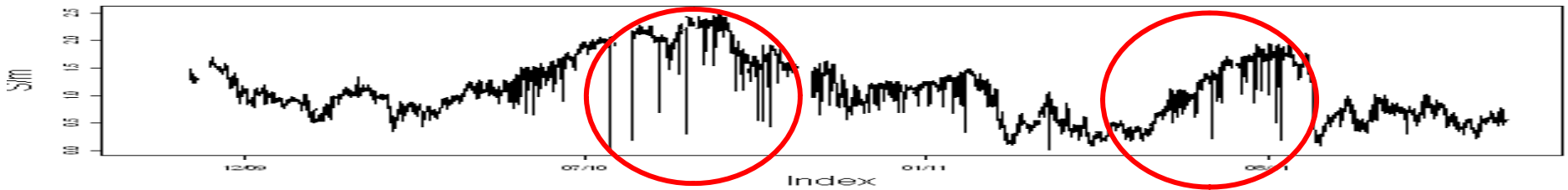
Annapolis concentration_of_chlorophyll_in_sea_water



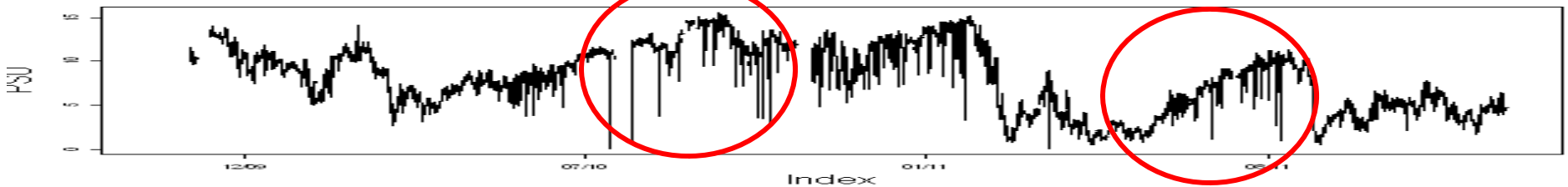
Annapolis concentration_of_oxygen_in_sea_water



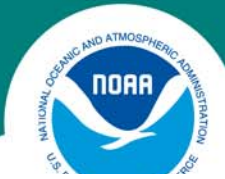
Annapolis sea_water_electrical_conductivity



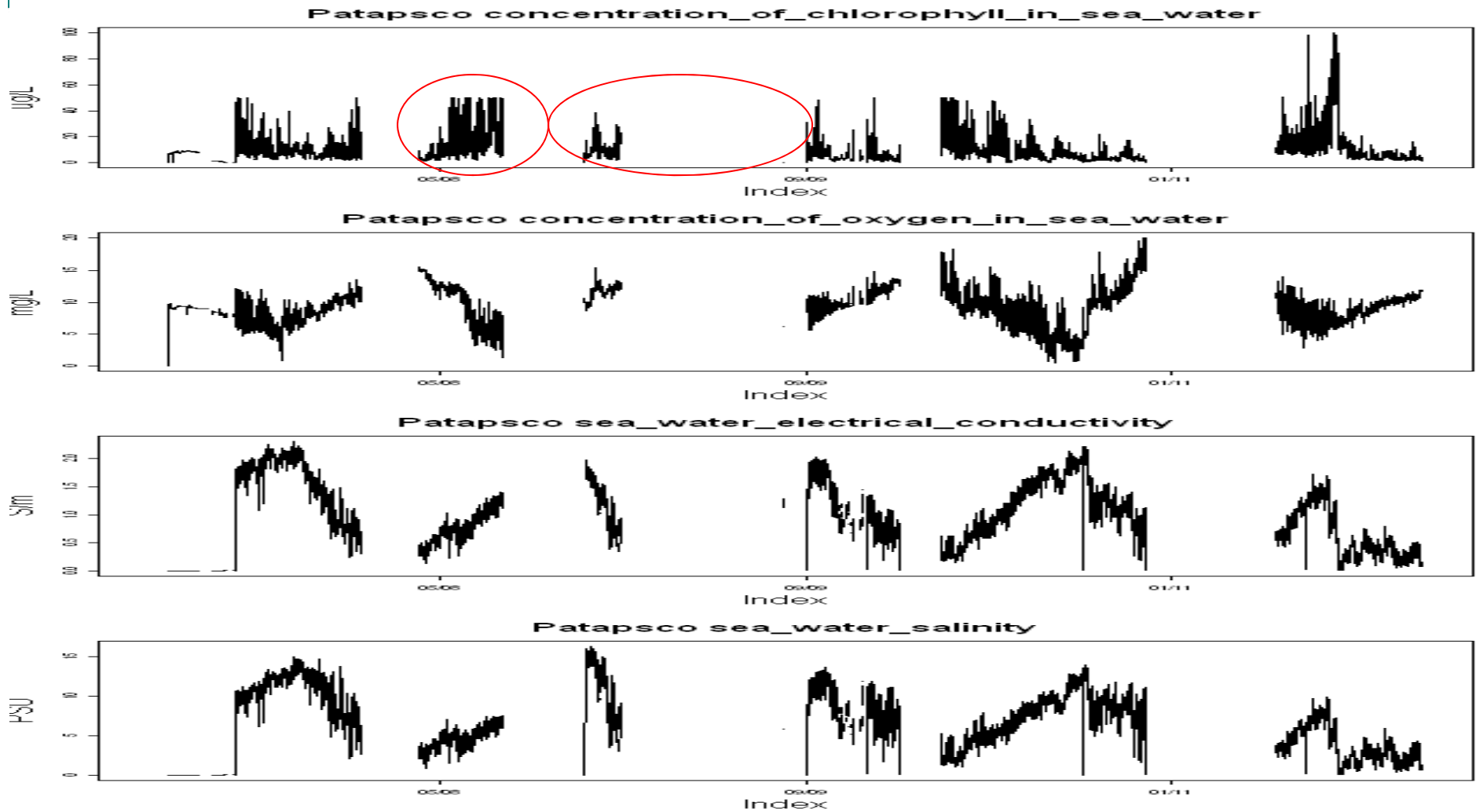
Annapolis sea_water_salinity



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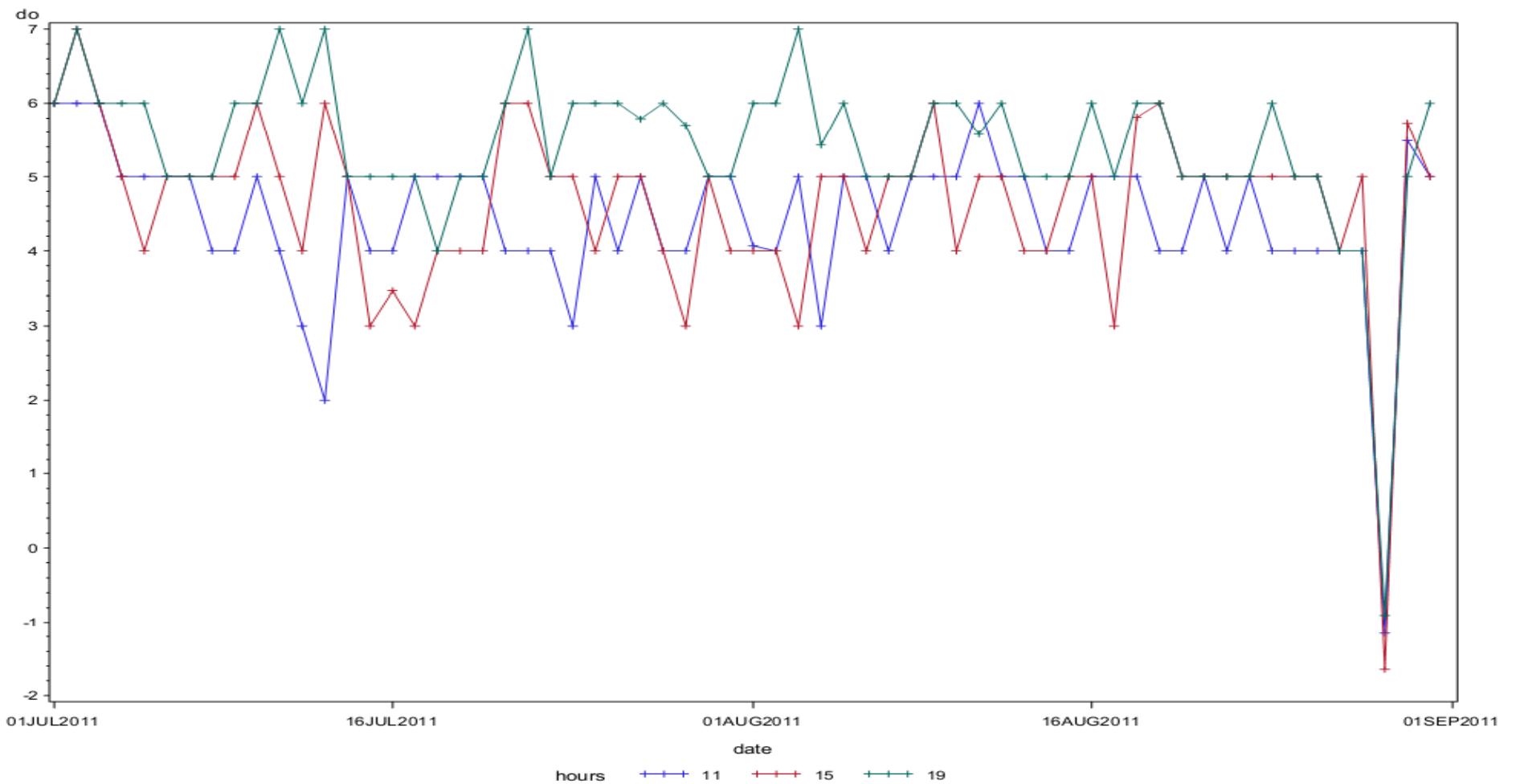
Data Exploration: The Ugly



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Data Analysis/Statistical Modeling



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Data Analysis/Statistical Modeling

