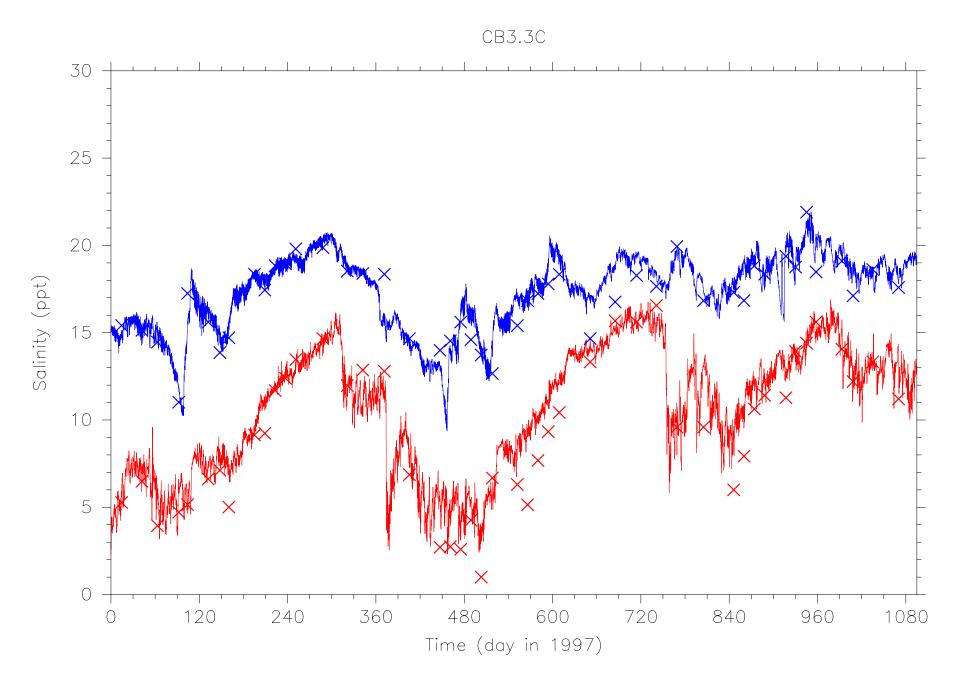
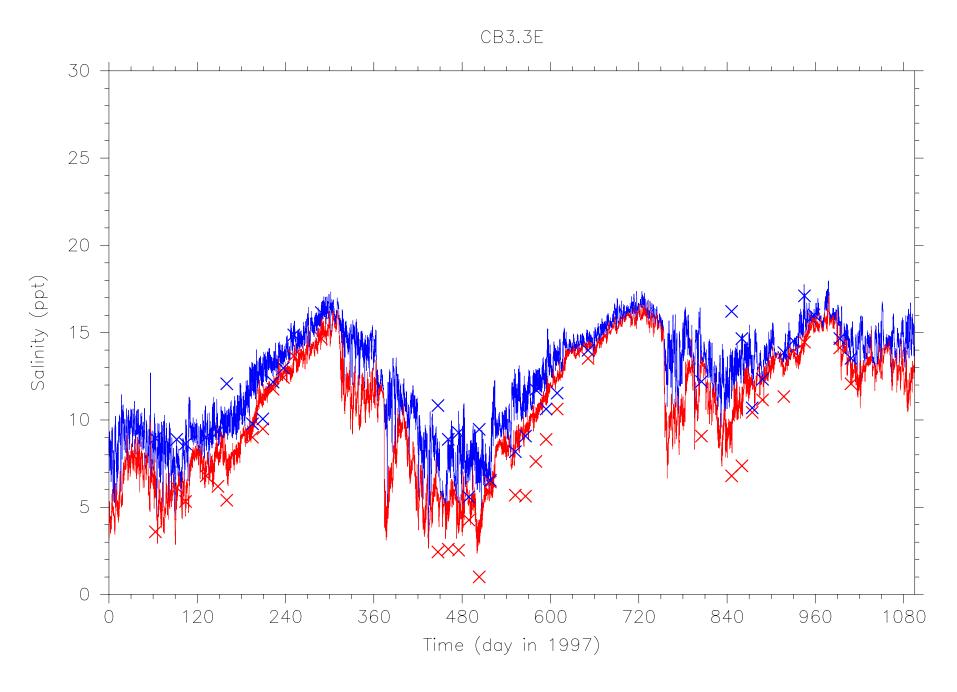
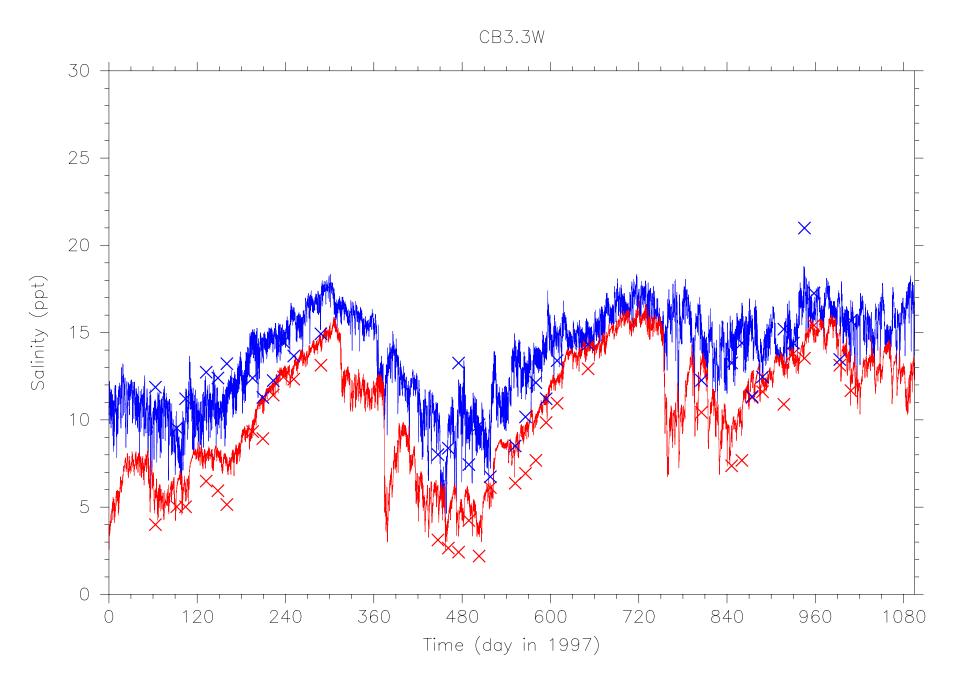
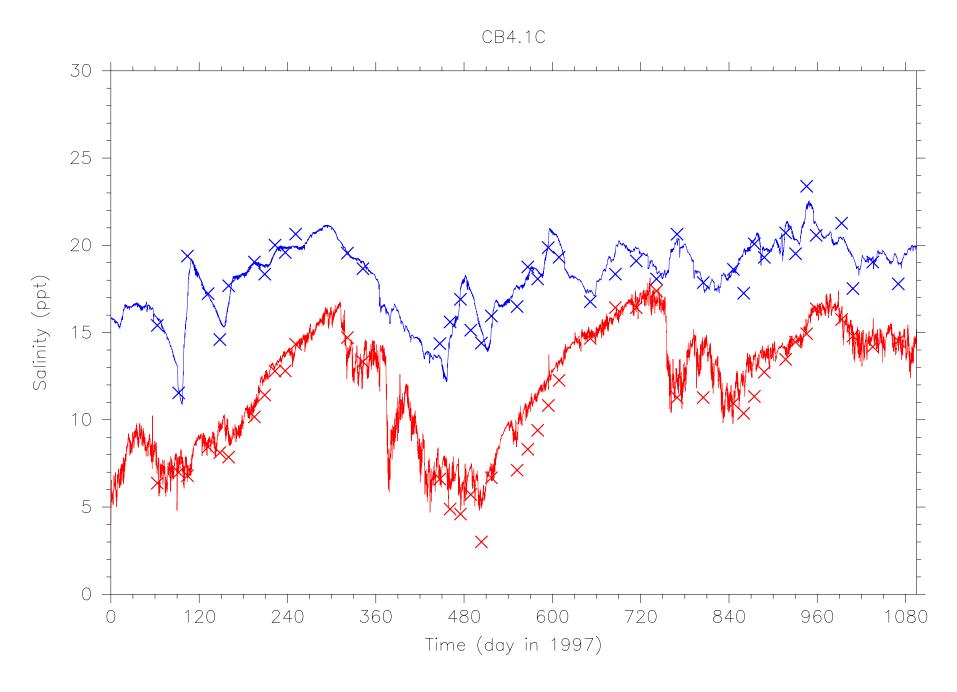
## Appendix 4-A

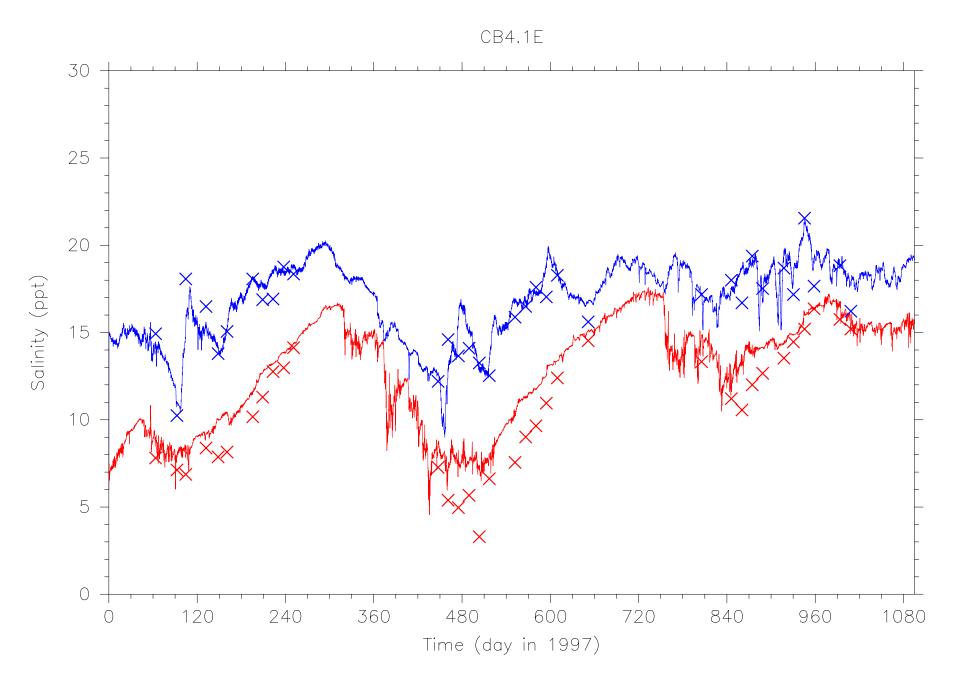
Time series of salinity at selected CBP long-term monitoring stations inside and adjacent the Chester system (CB3.3C, Cb3.3E, CB3.3W, CB4.1C, CB4.1E, CB4.1W, EE1.1, ET4.1, ET4.2, and XGG8251). Blue and red colors represent bottom and surface, respectively. Line denotes the CH3D simulation and cross denotes the observation.

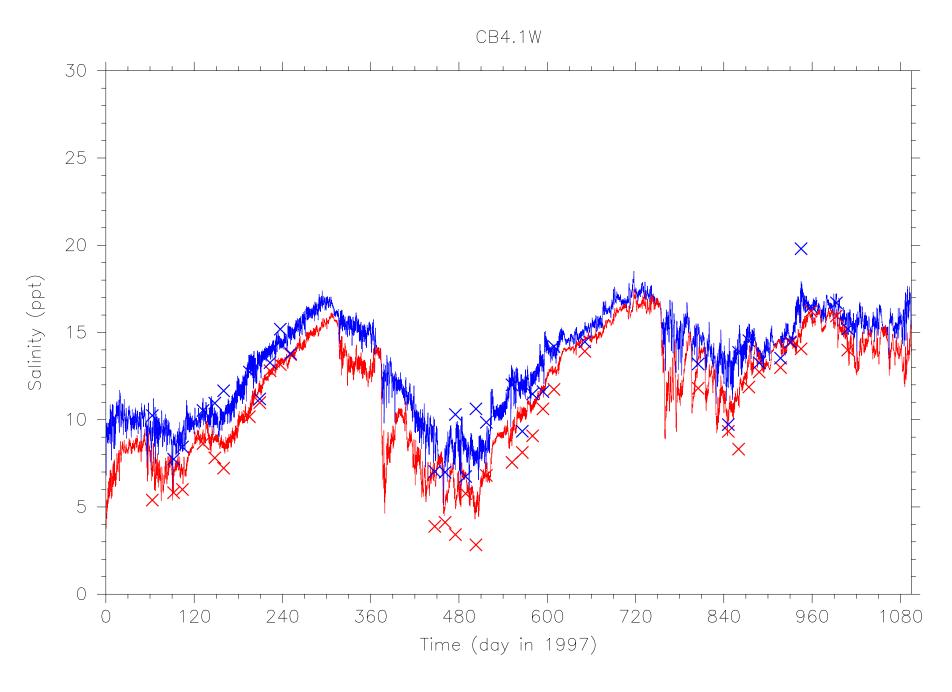


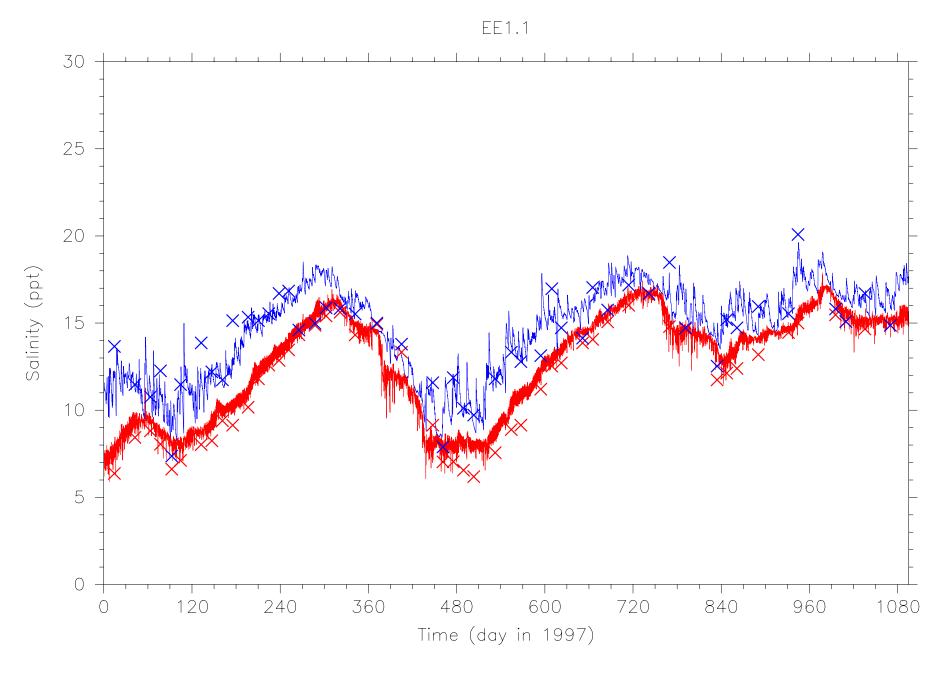


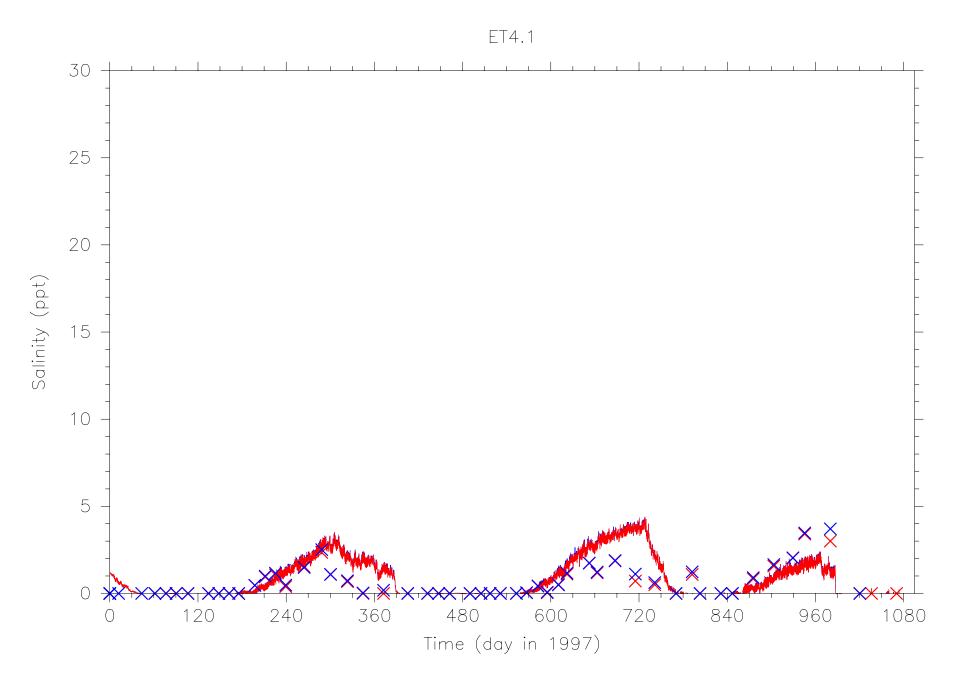


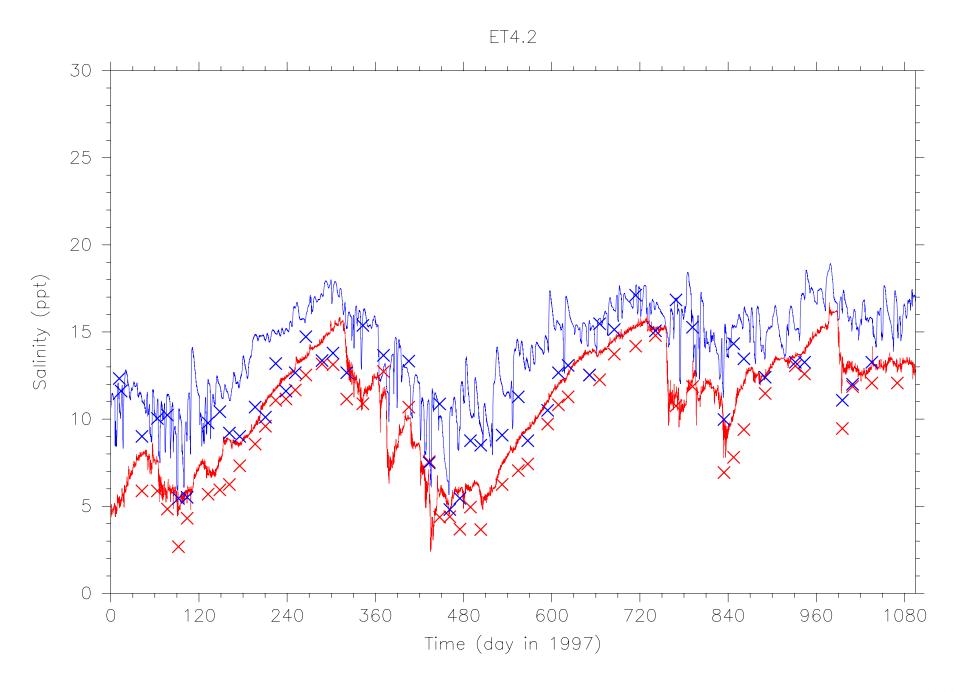


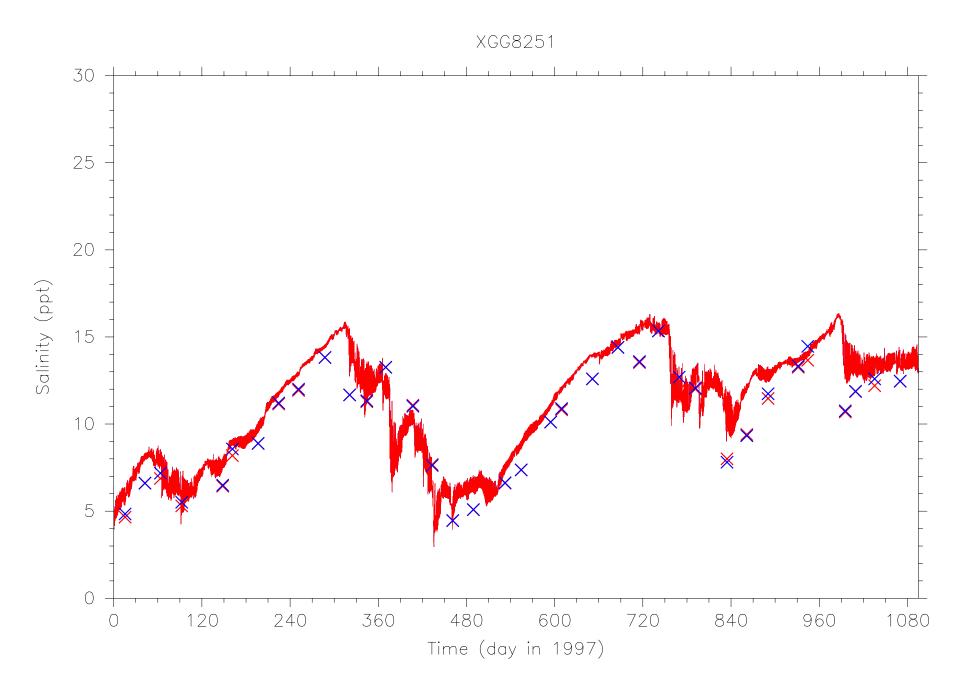






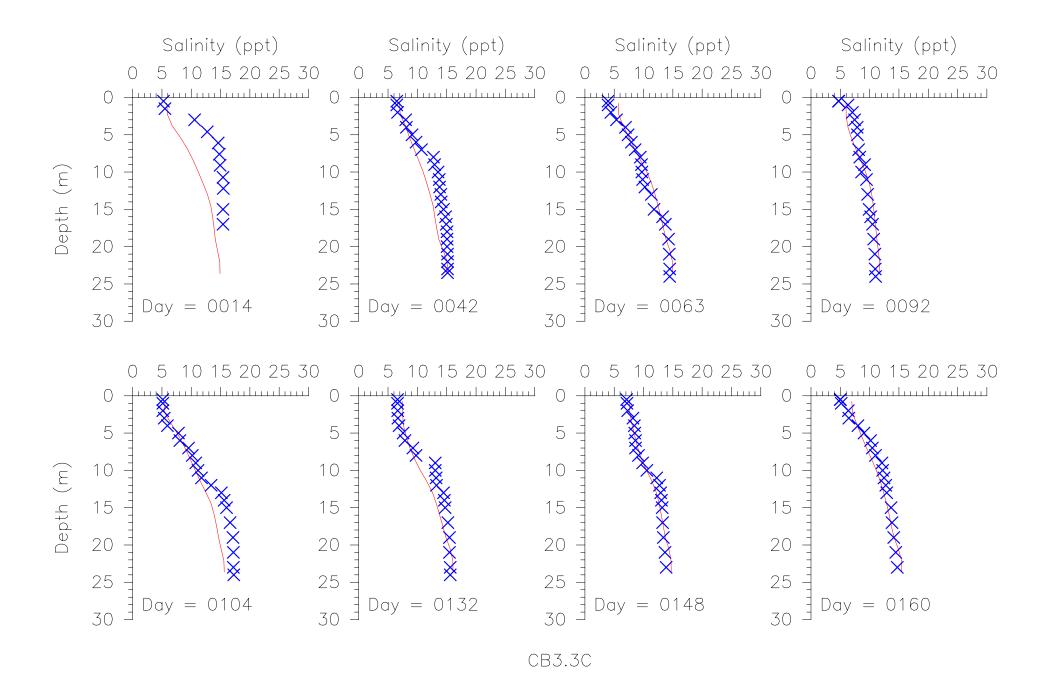


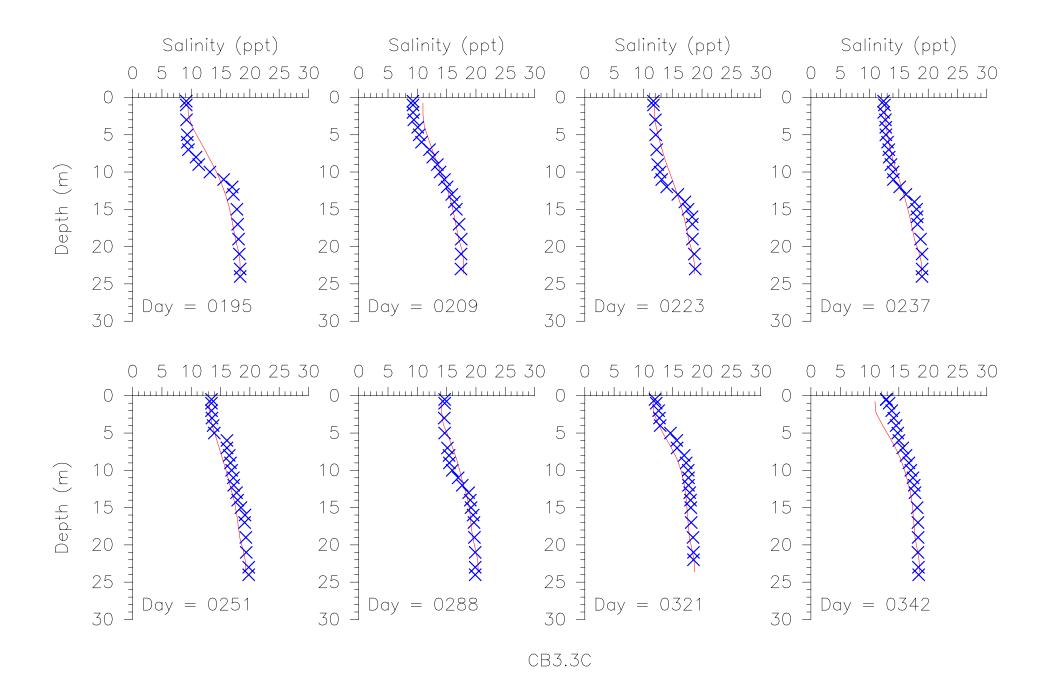


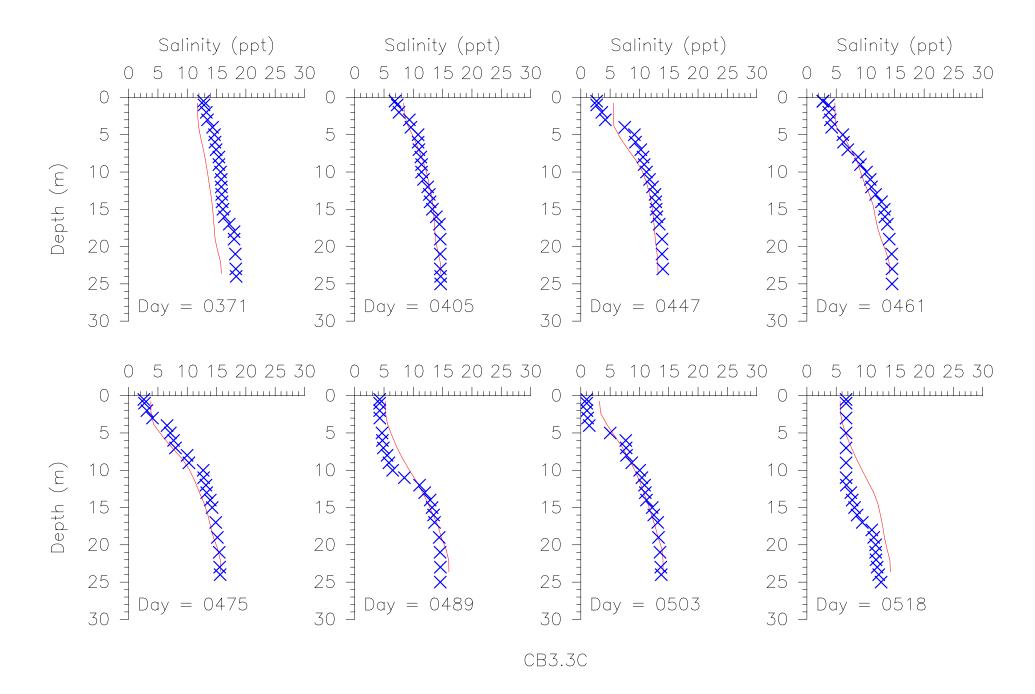


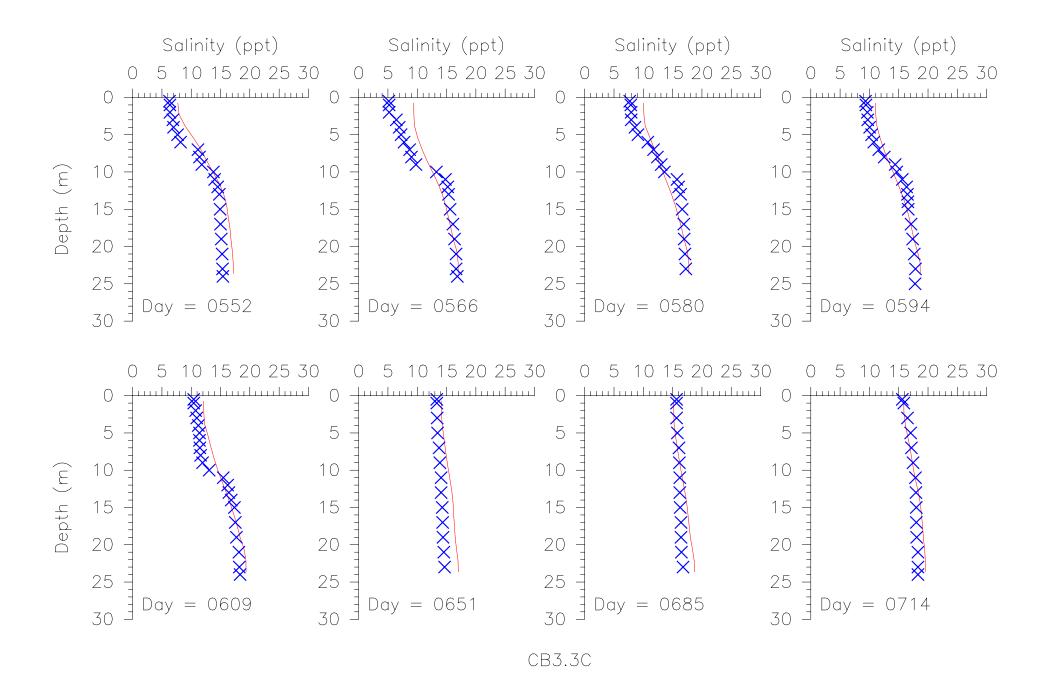
## Appendix 4-B

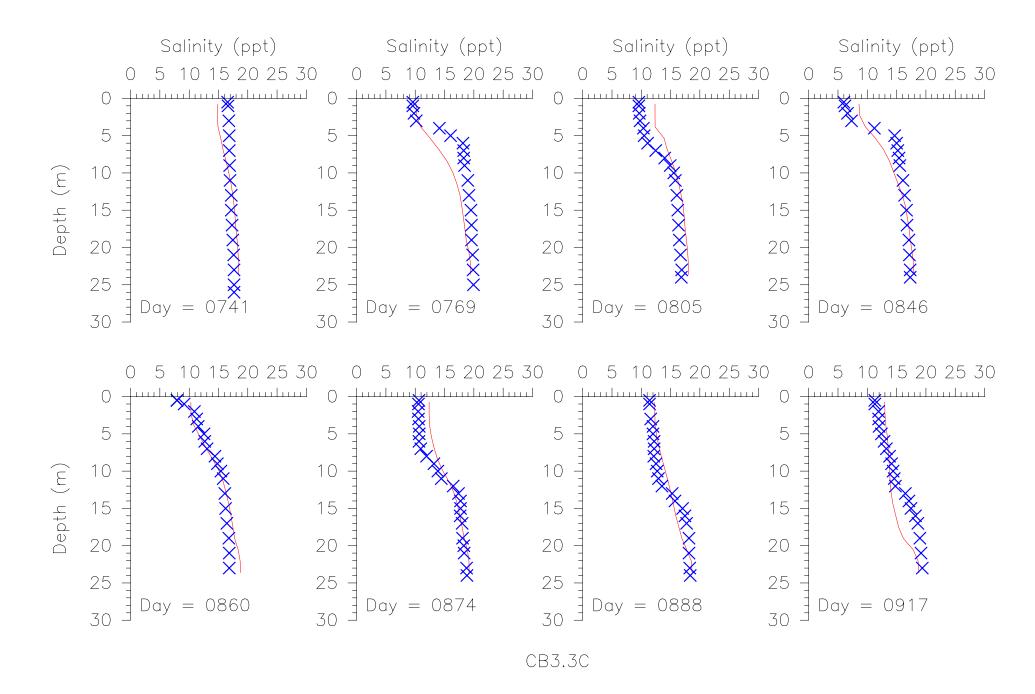
Vertical profiles of salinity at the same CBP stations except XGG8251 which is only one layer thick in the CH3D model. Red line and blue cross represent simulation and observation, respectively.

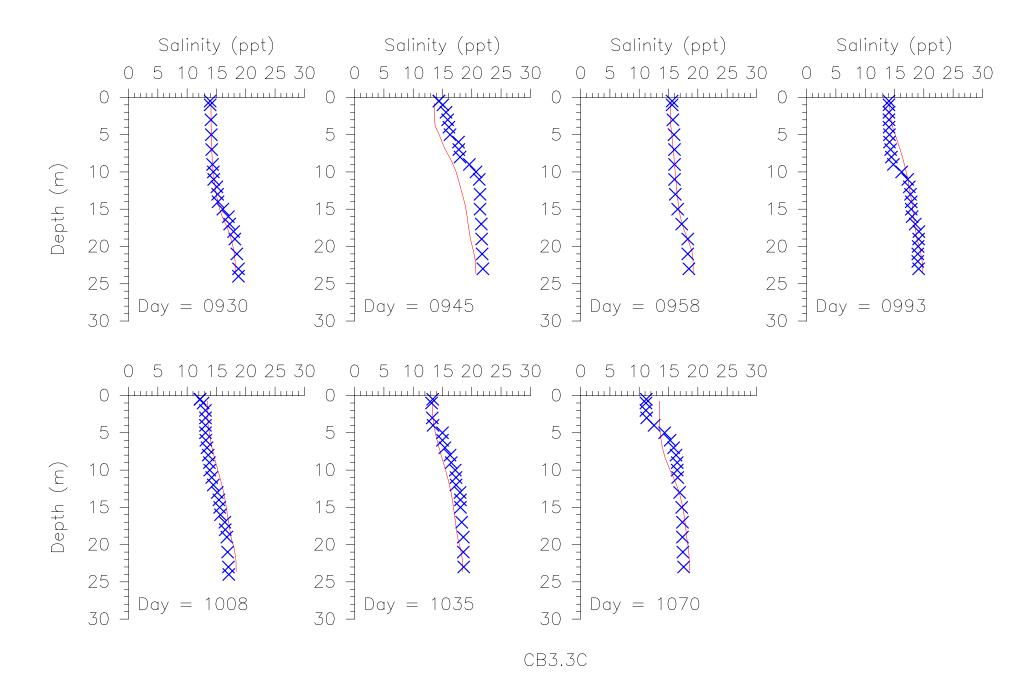


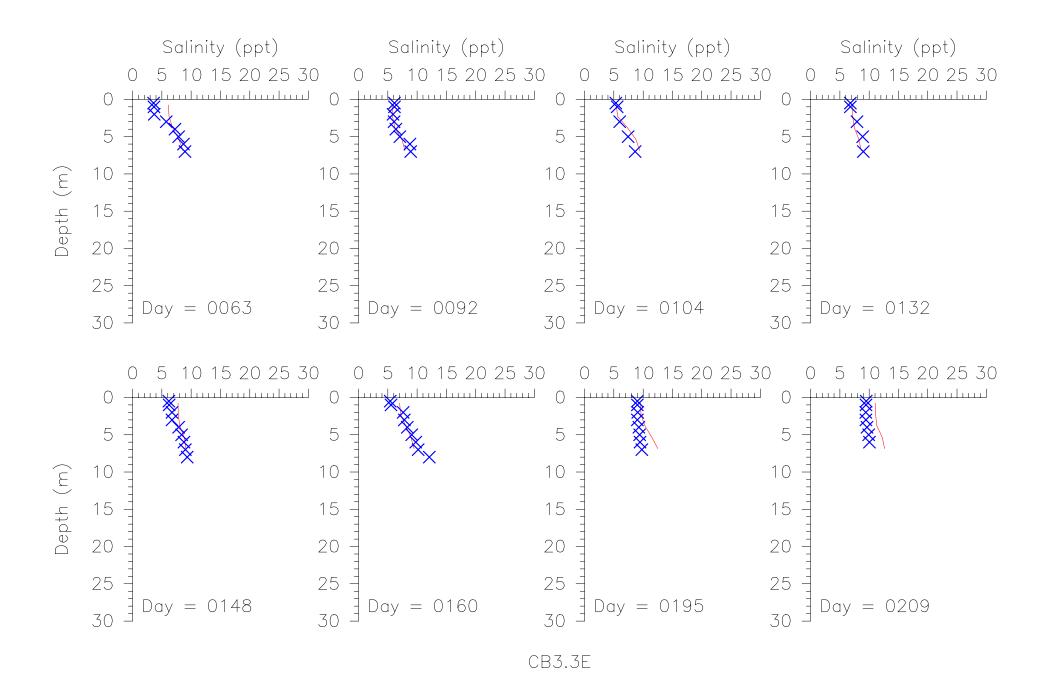


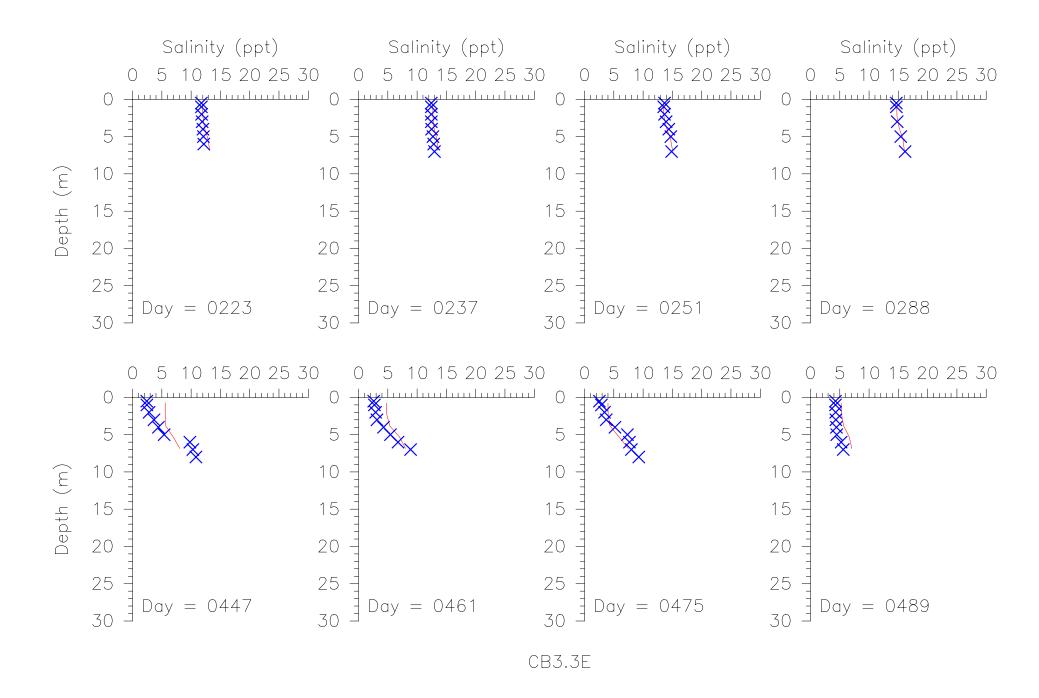


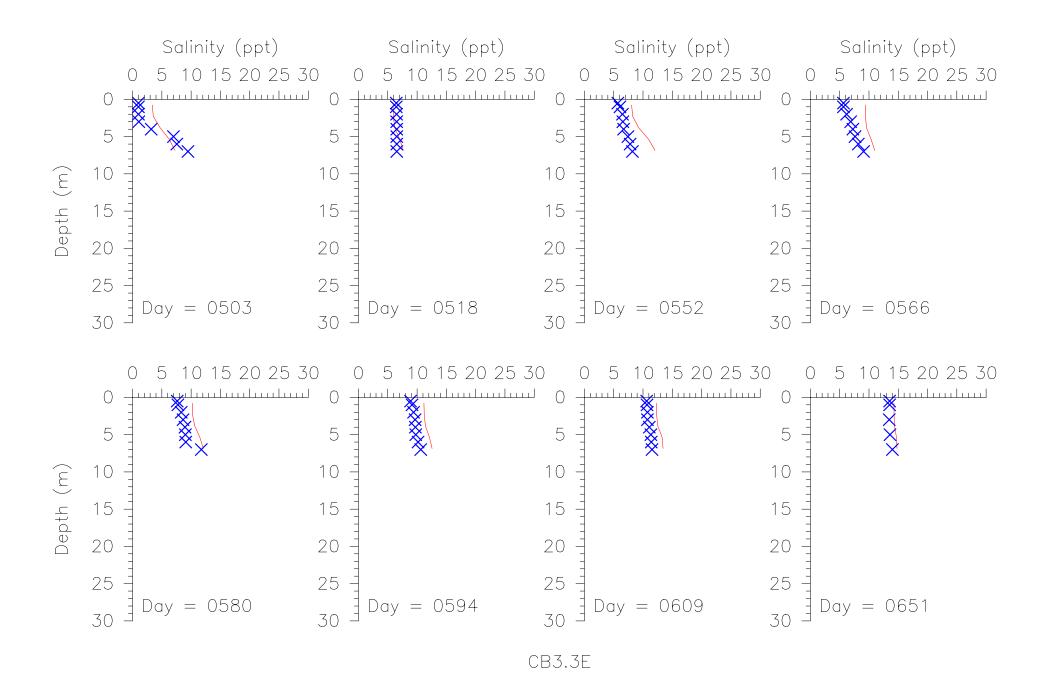


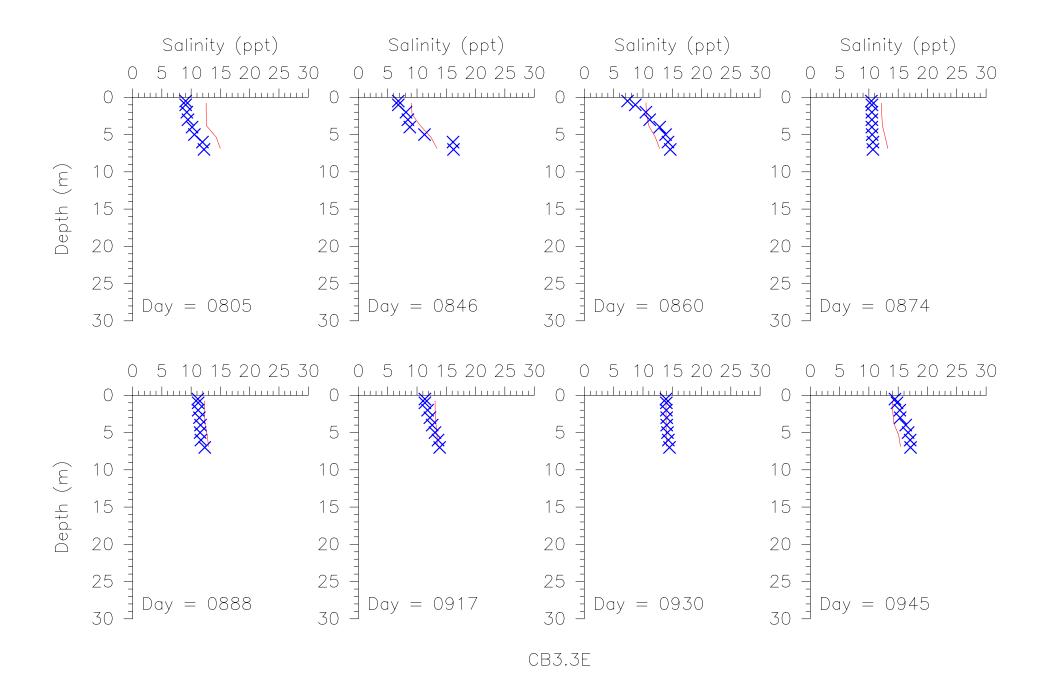


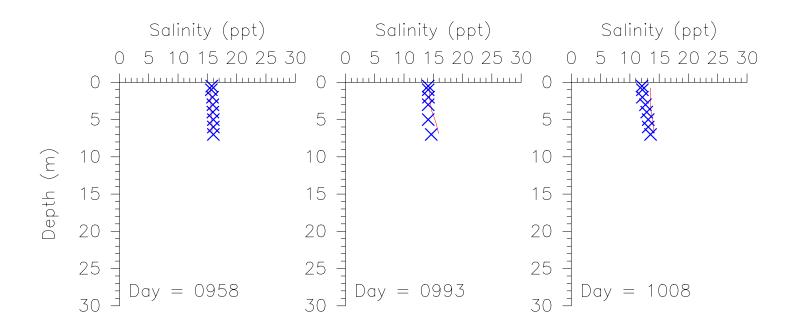


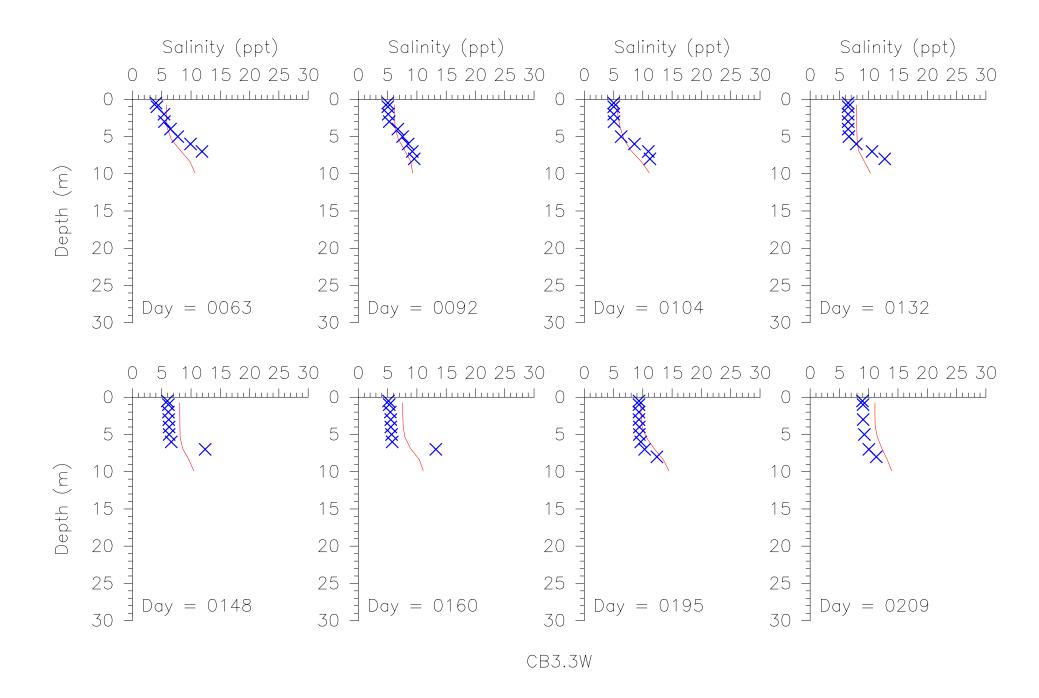


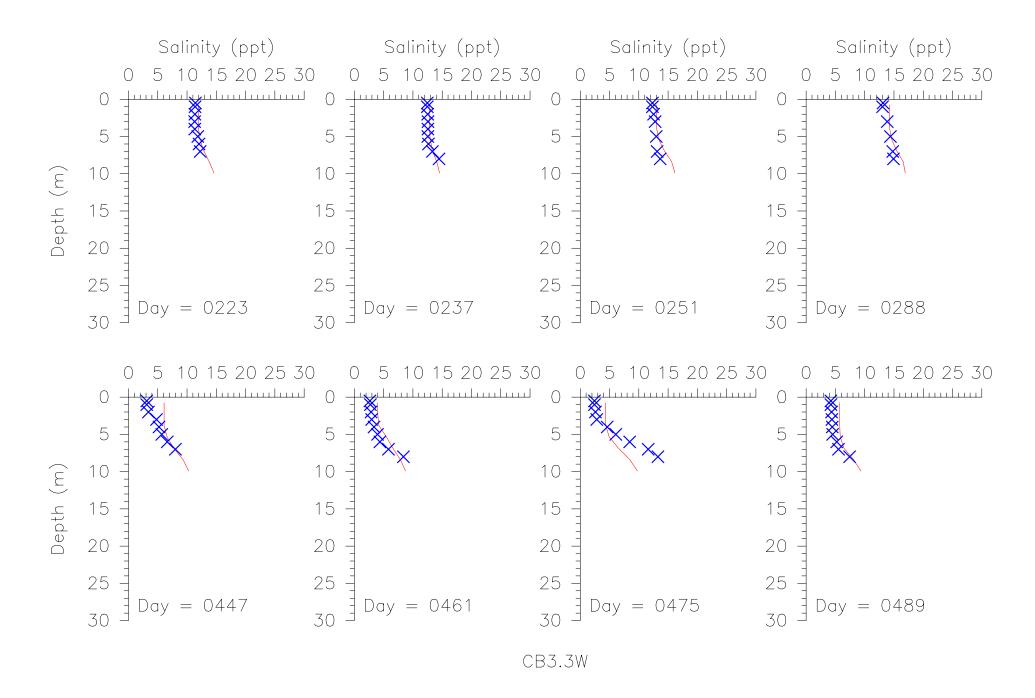


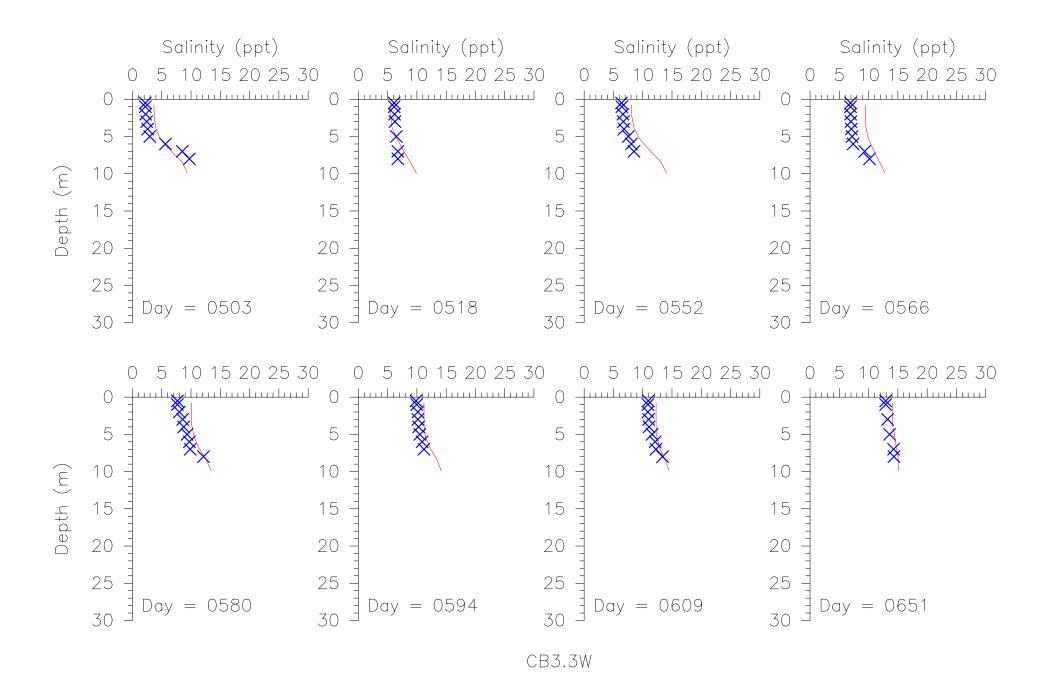


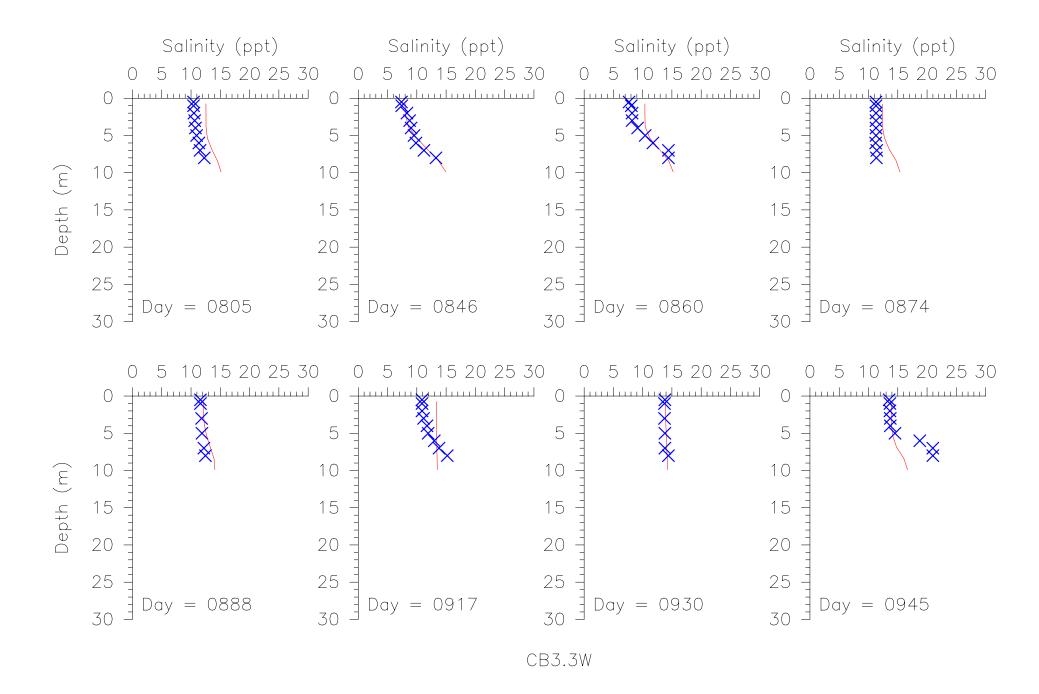


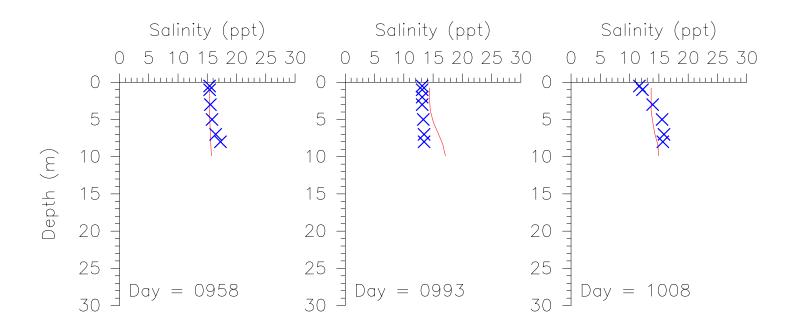


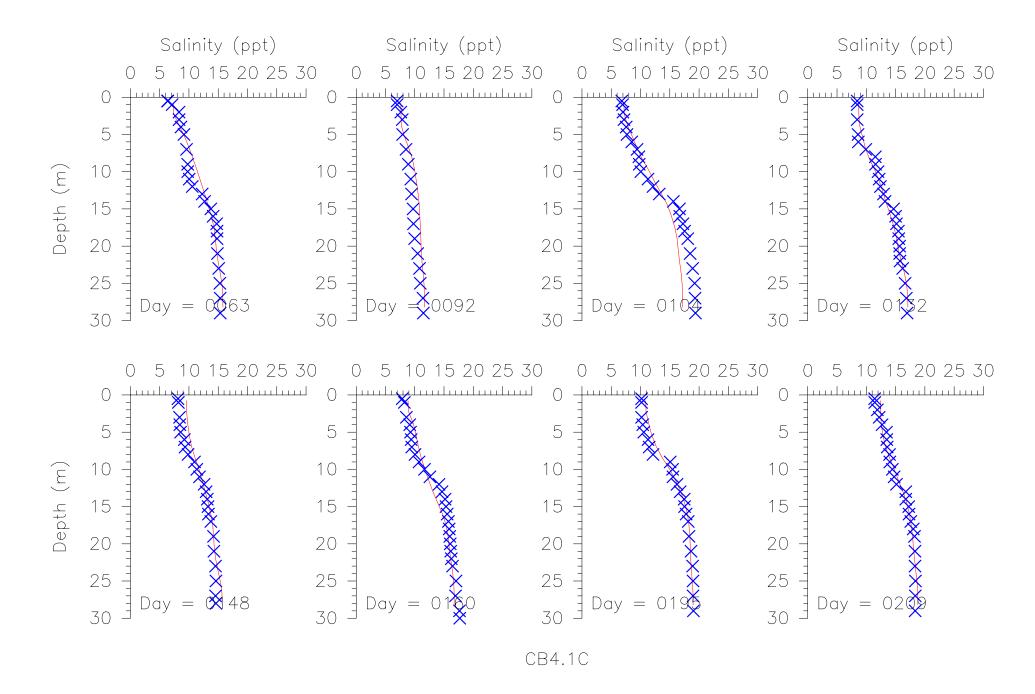


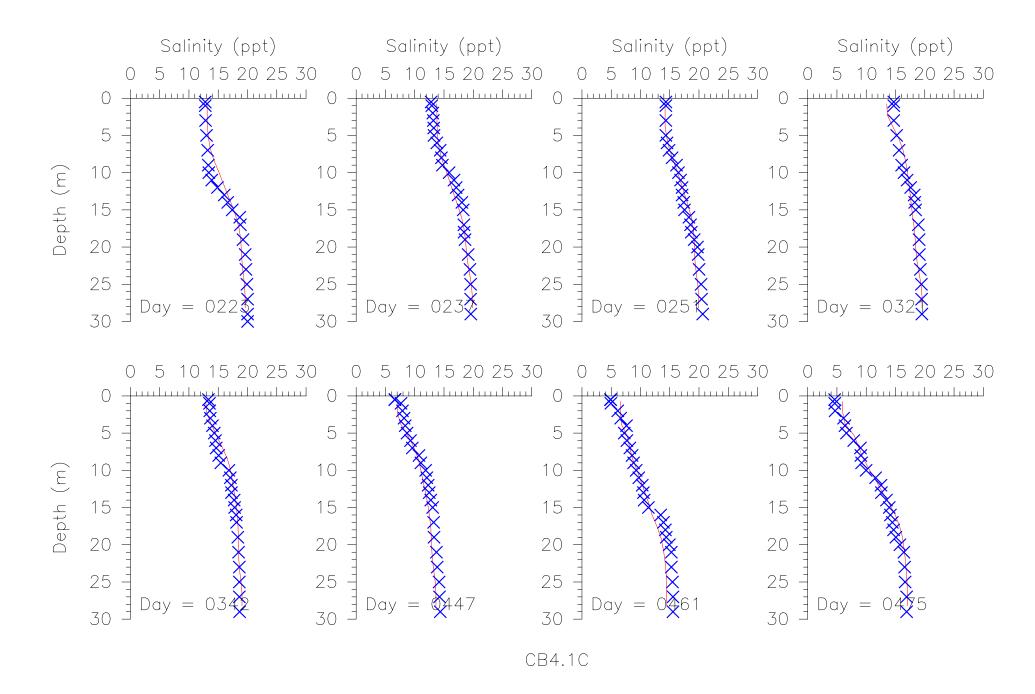


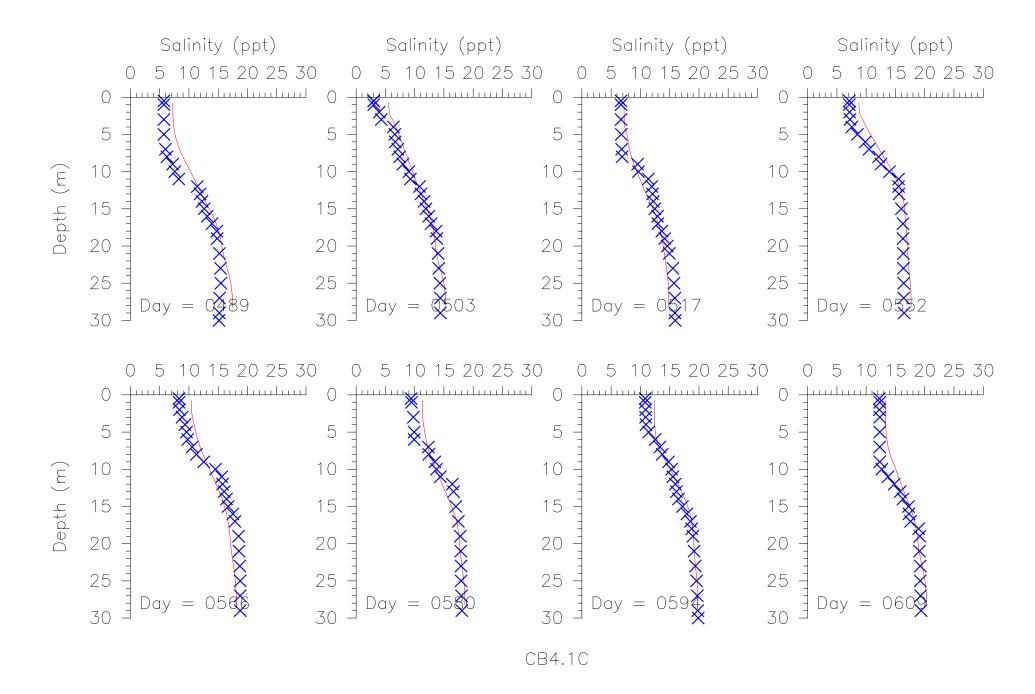


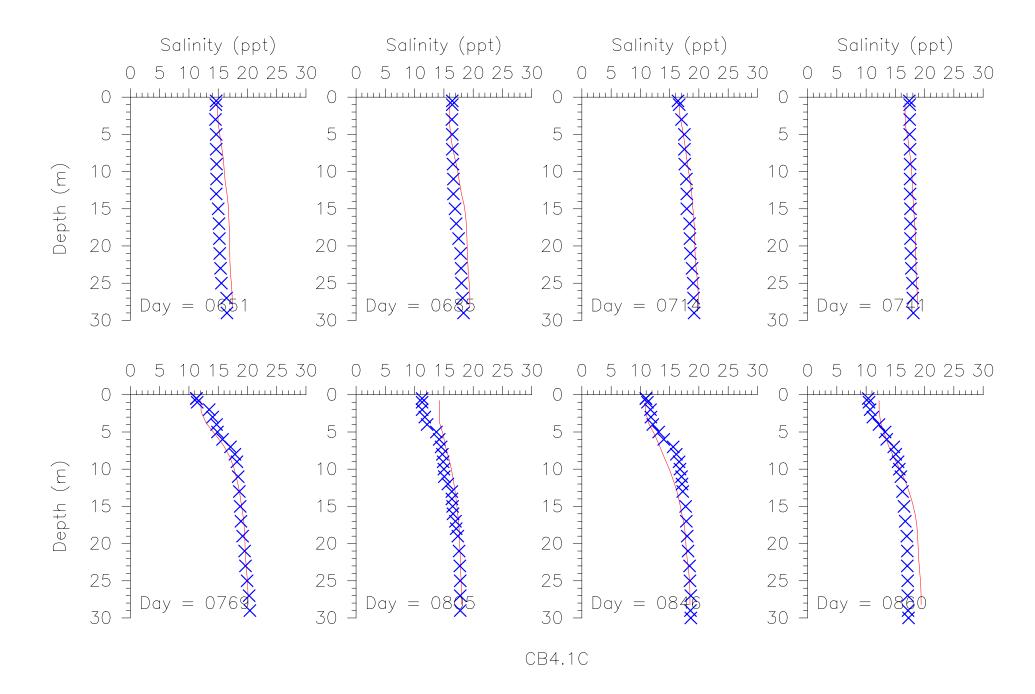


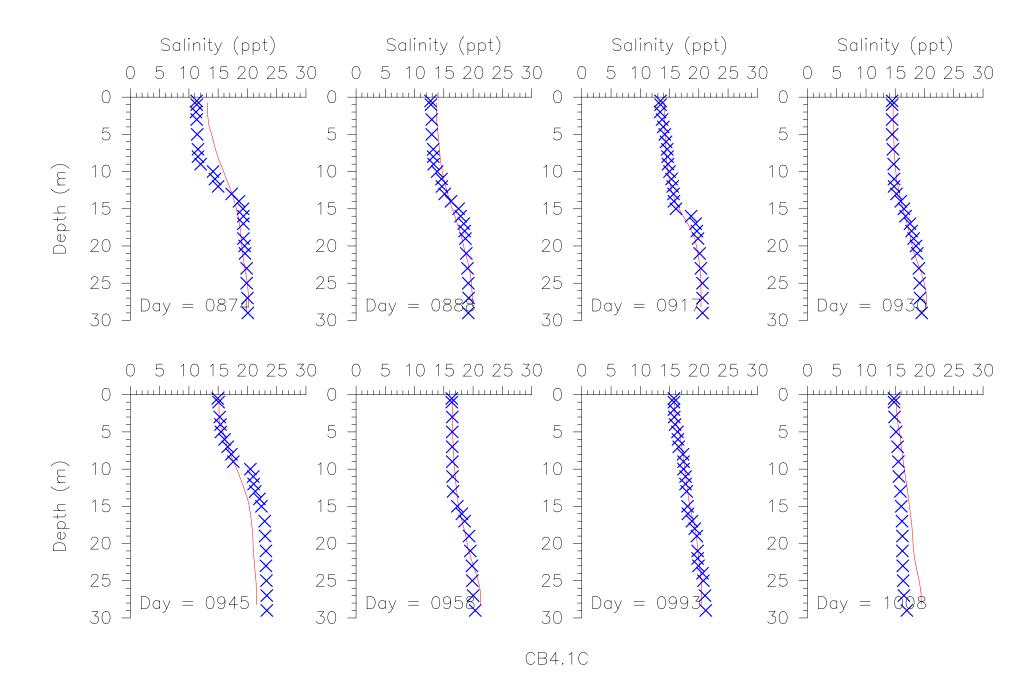


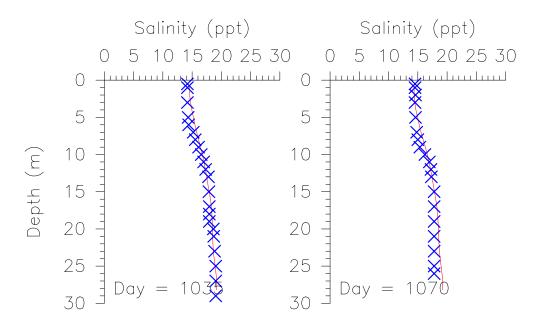


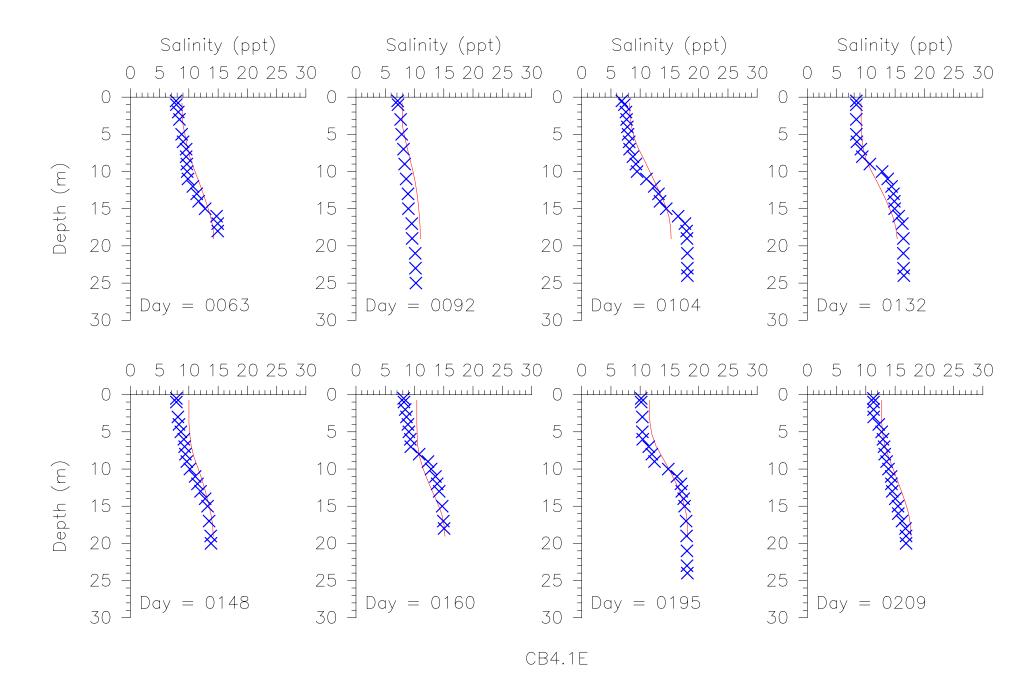


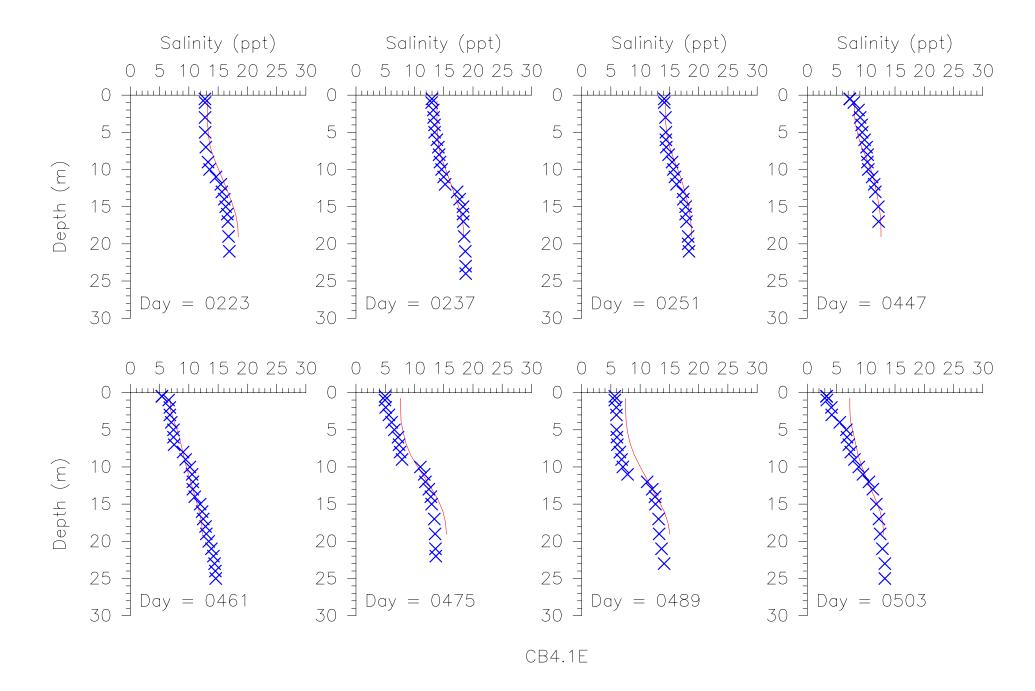


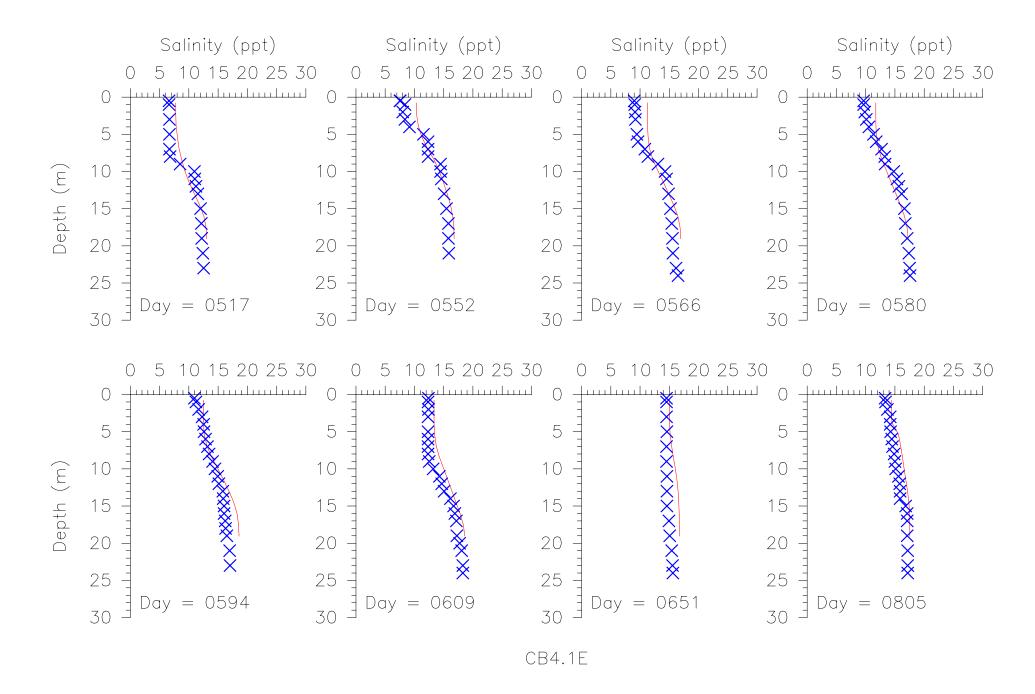


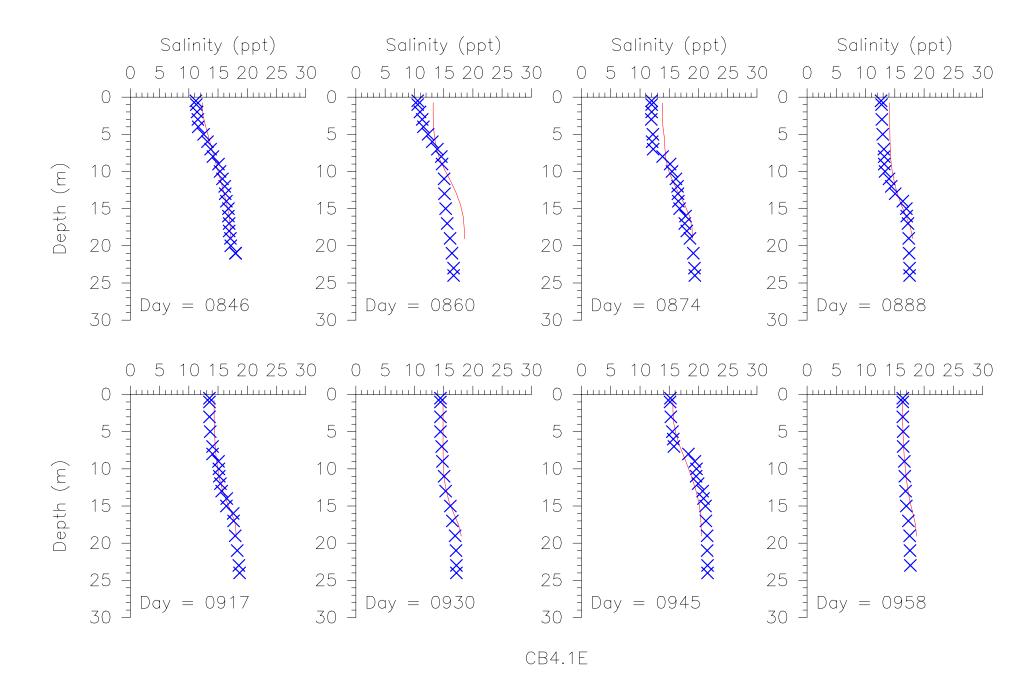


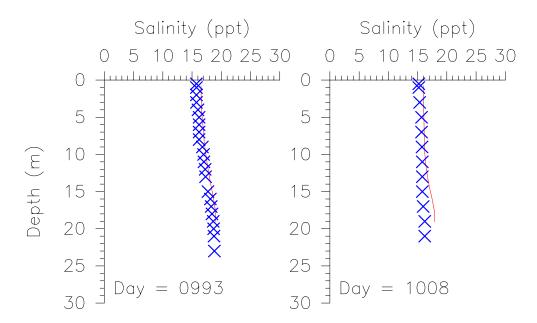


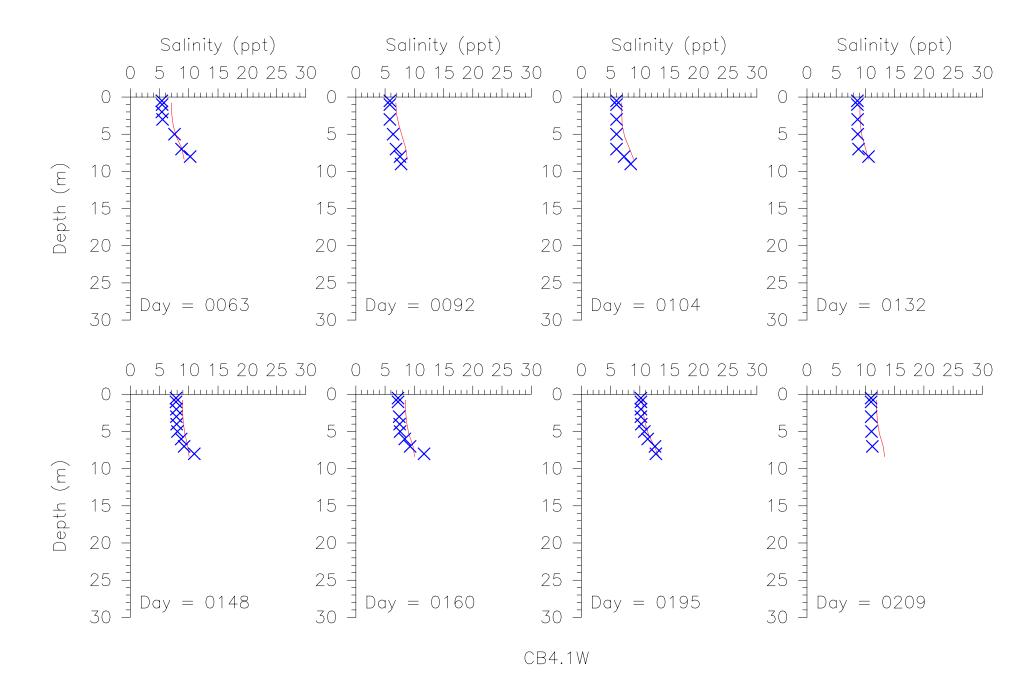


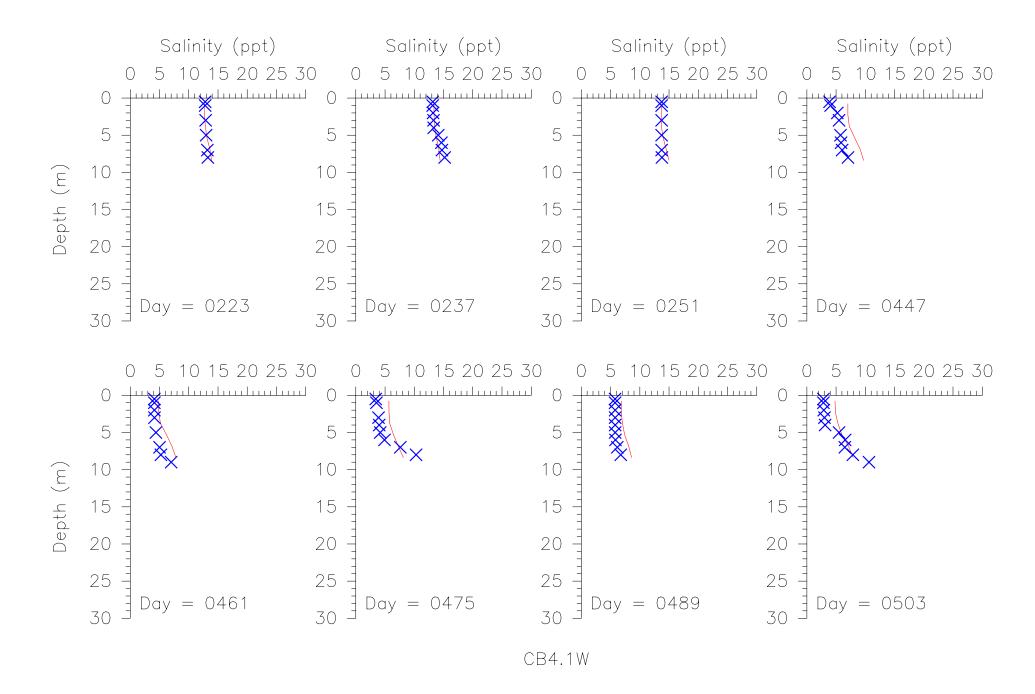


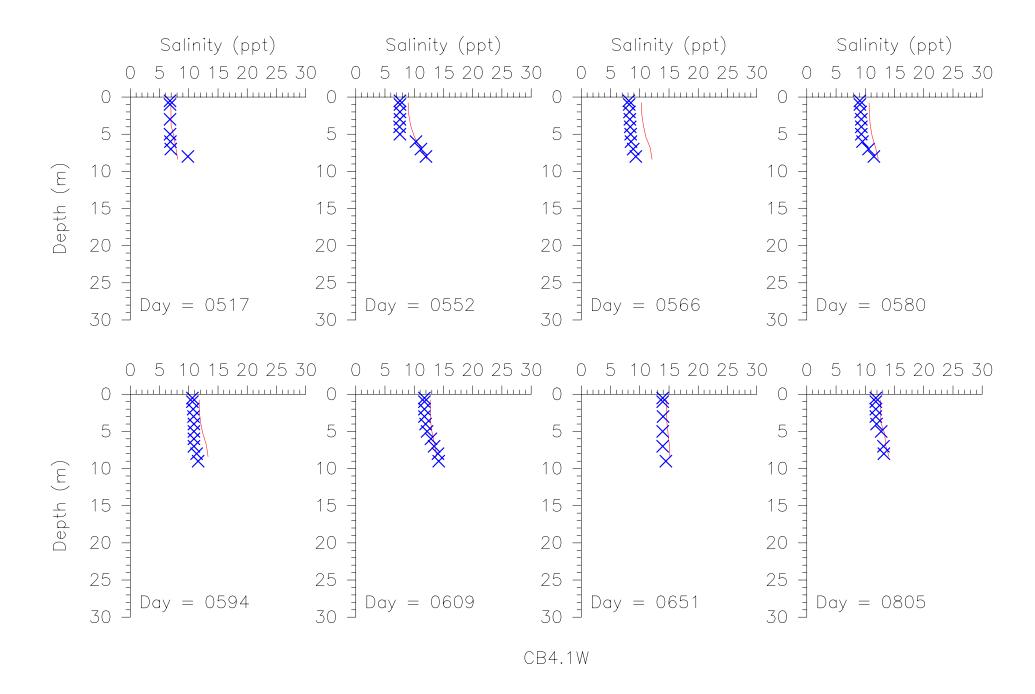


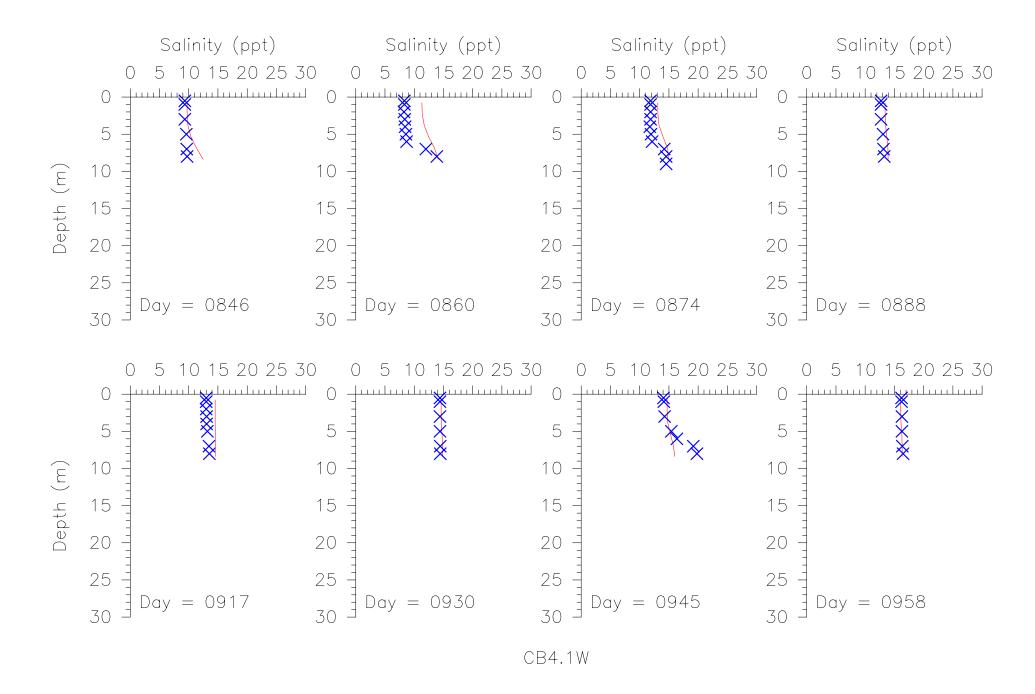


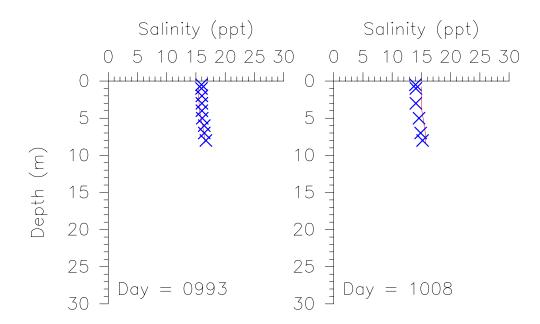


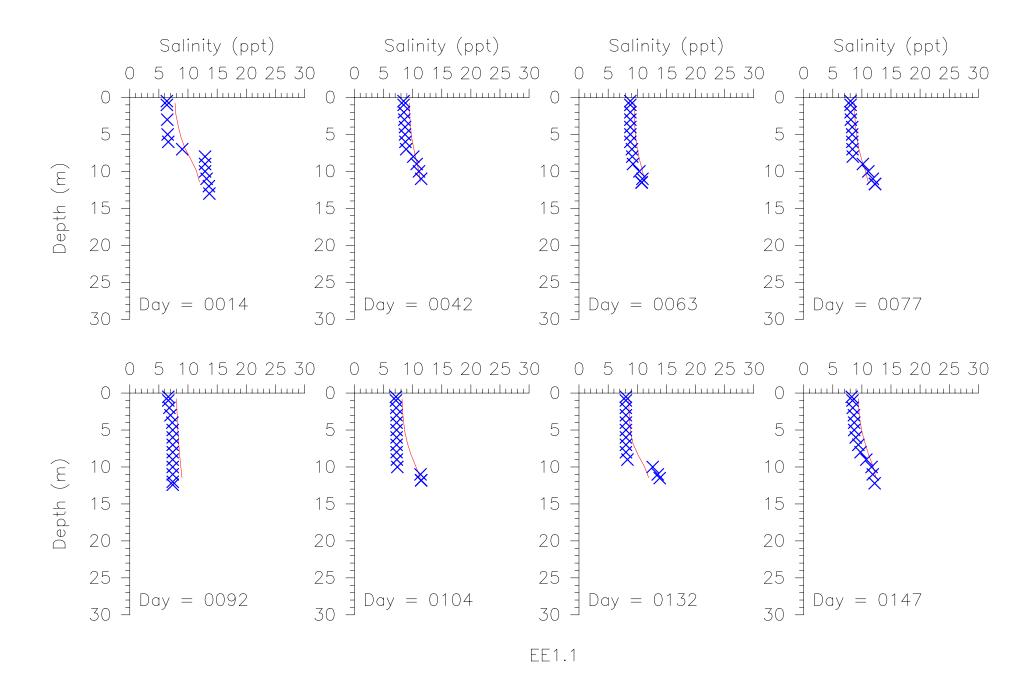


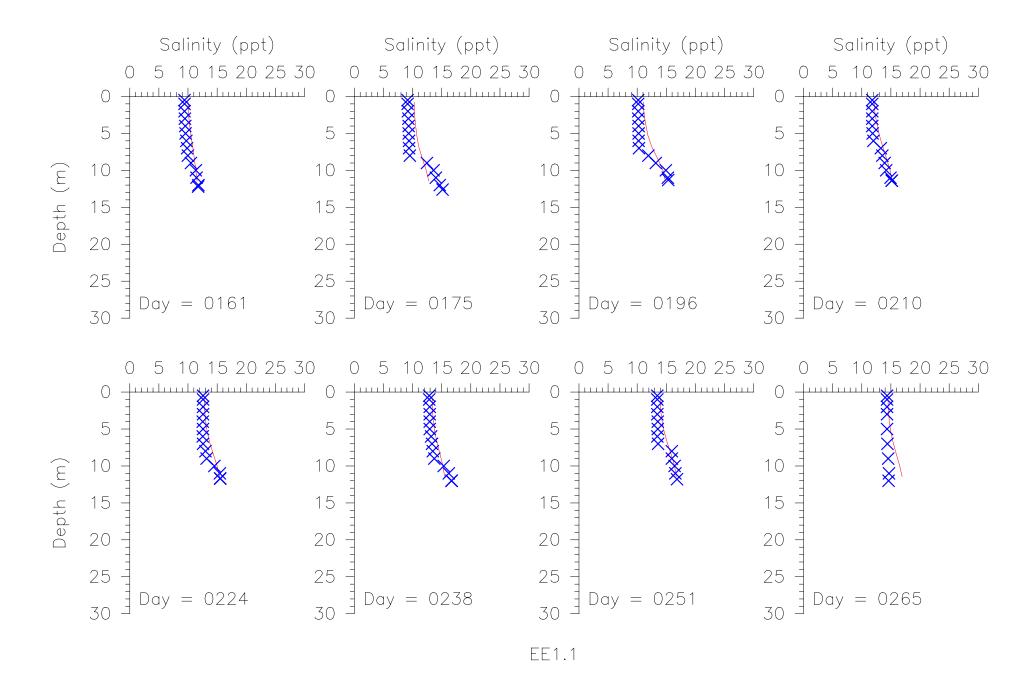


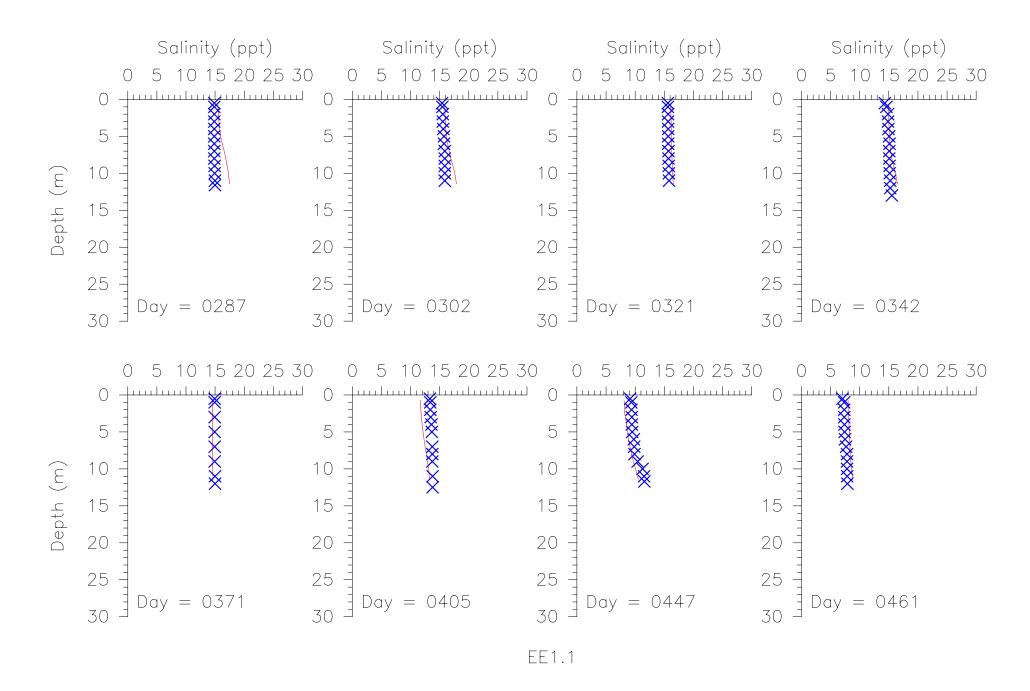


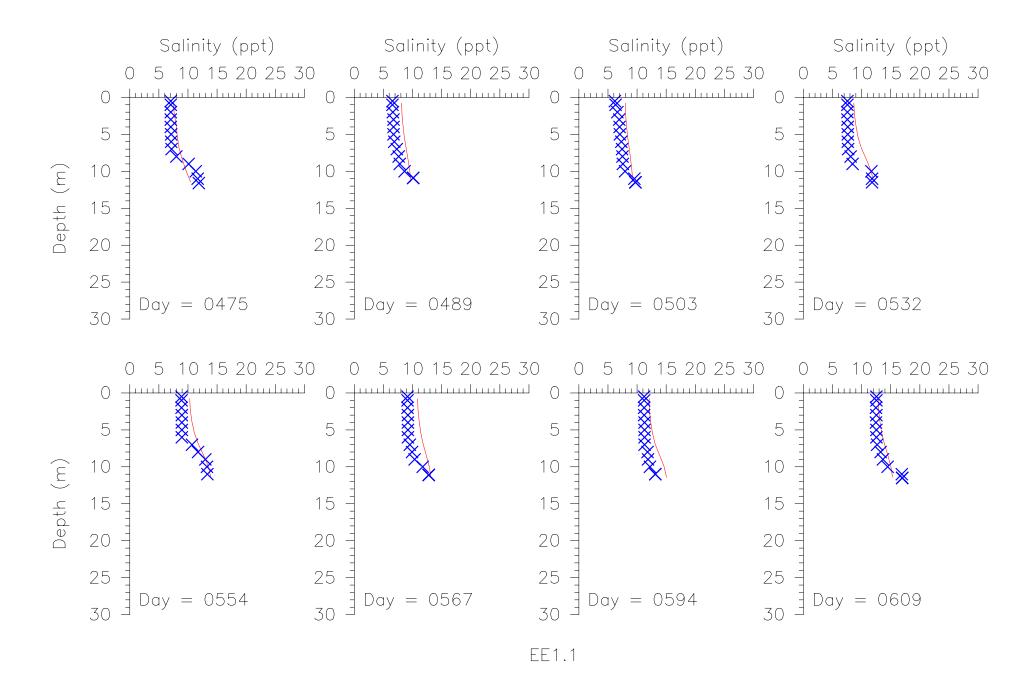


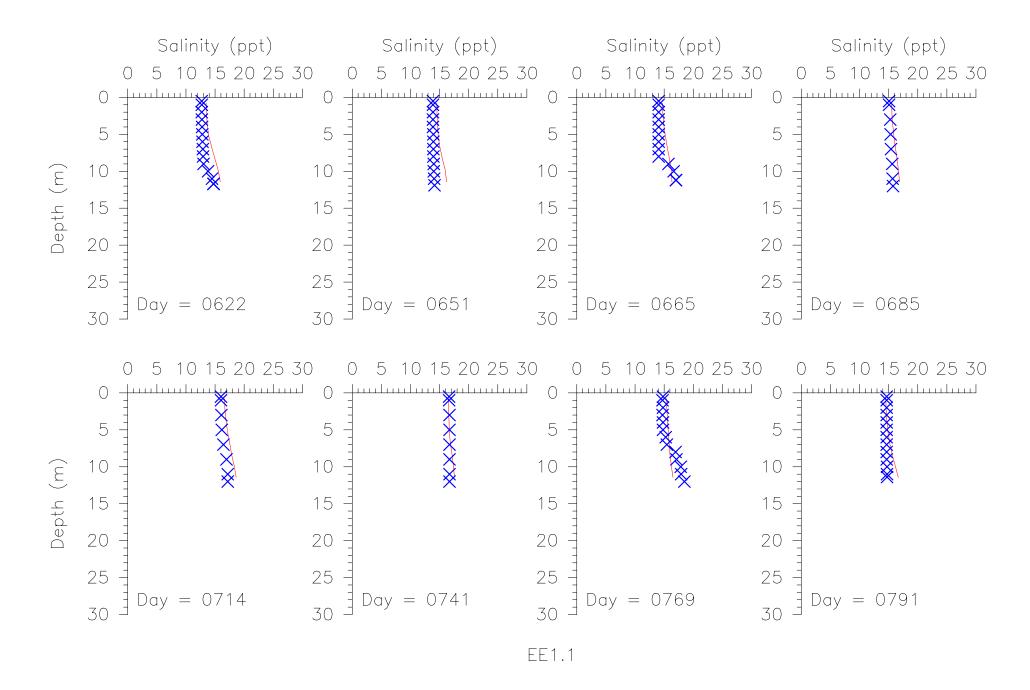


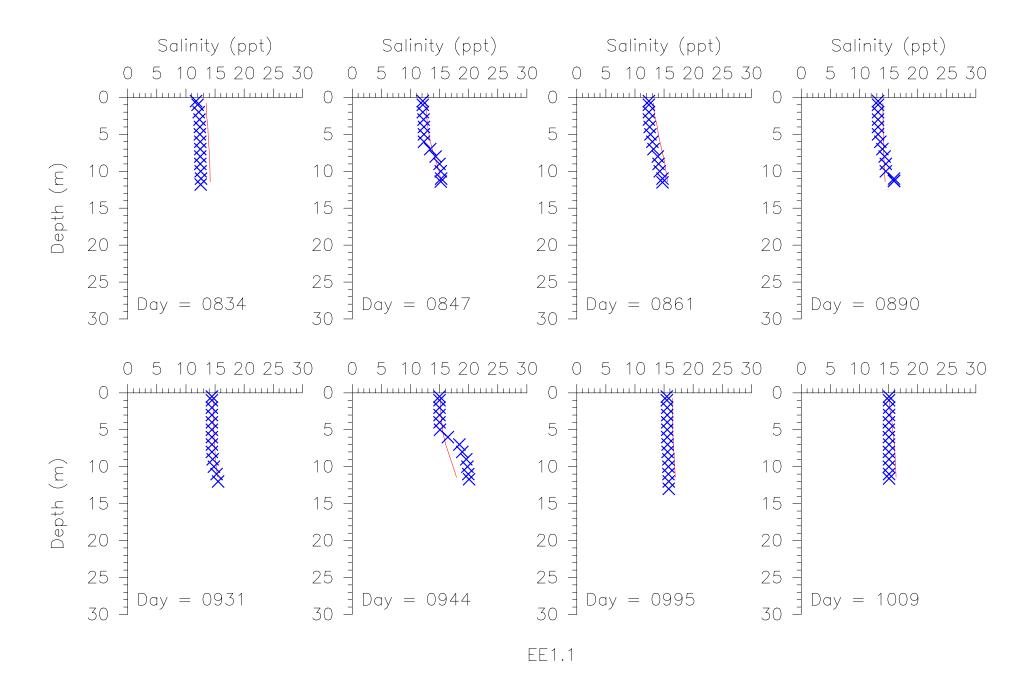


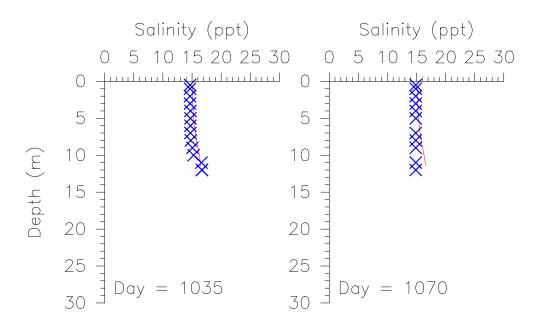


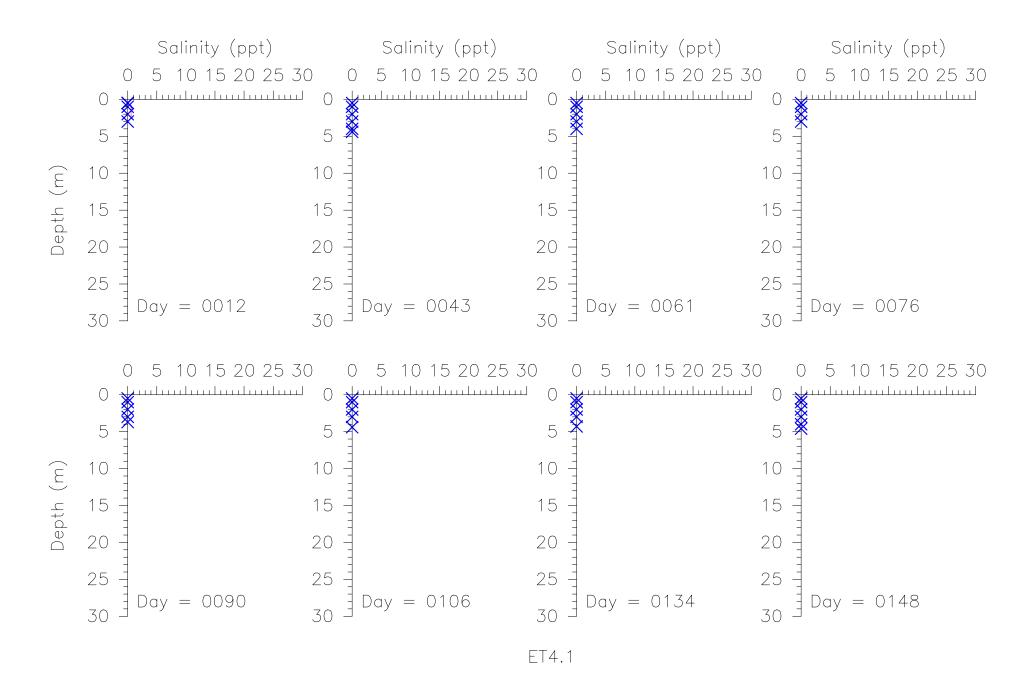


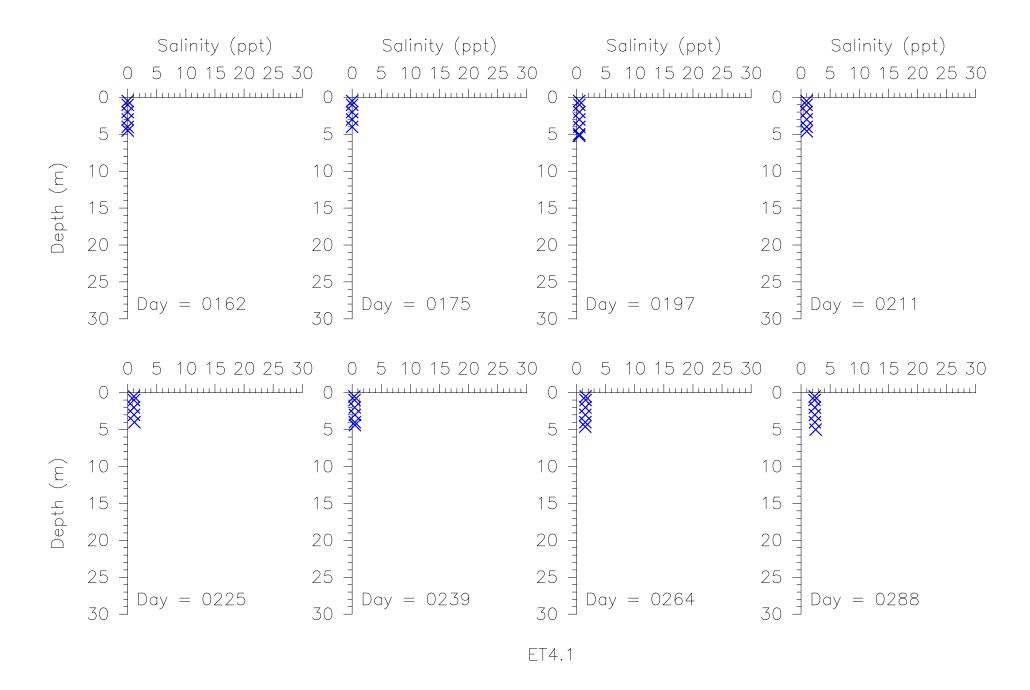


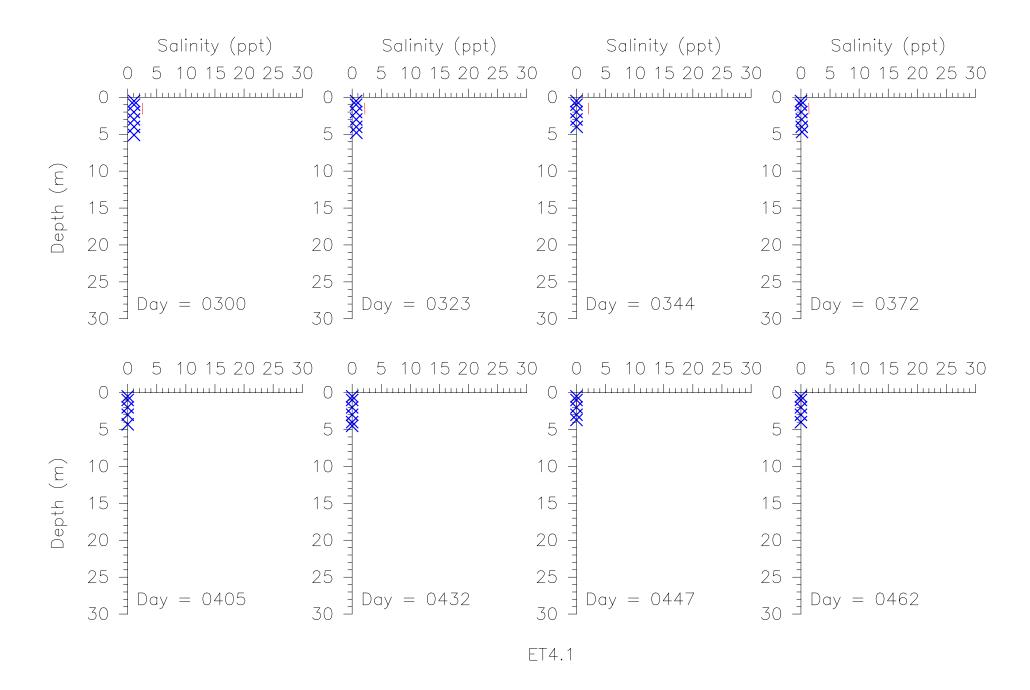


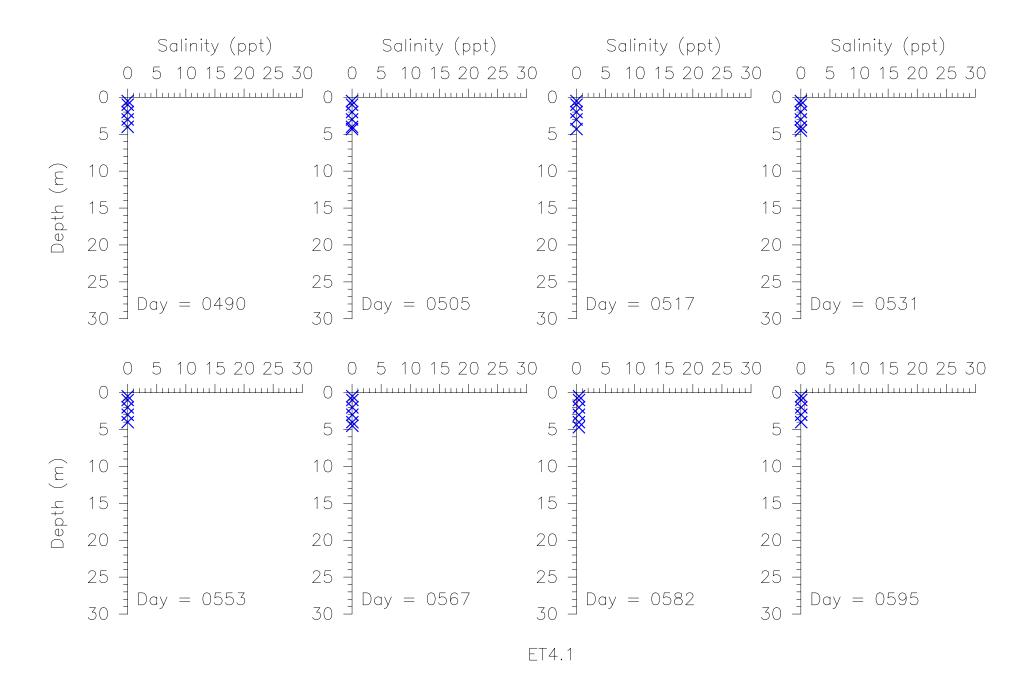


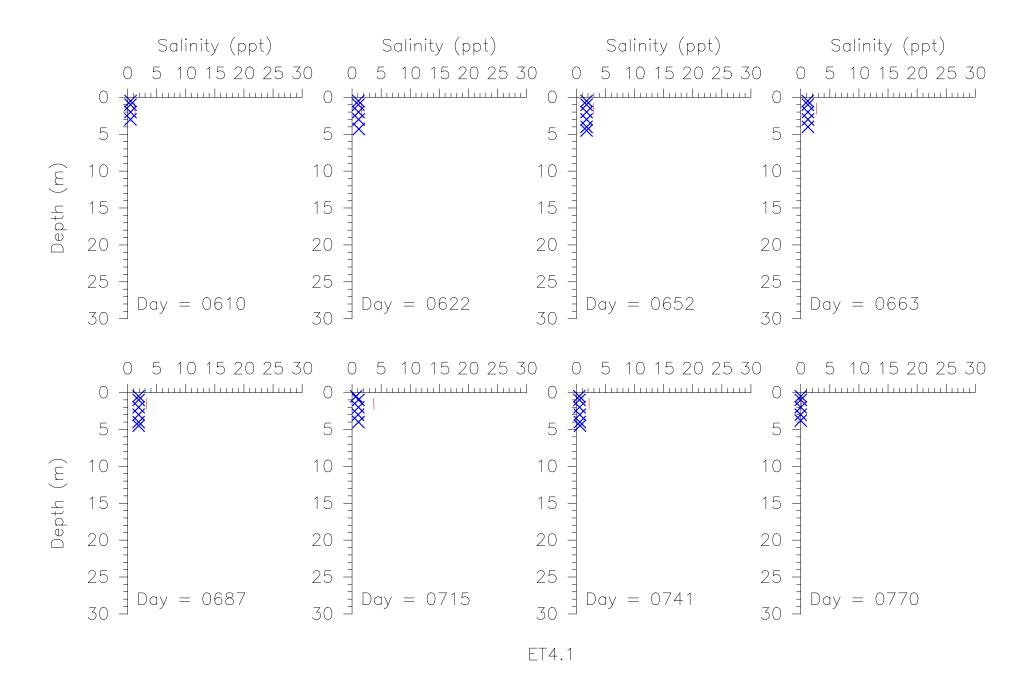


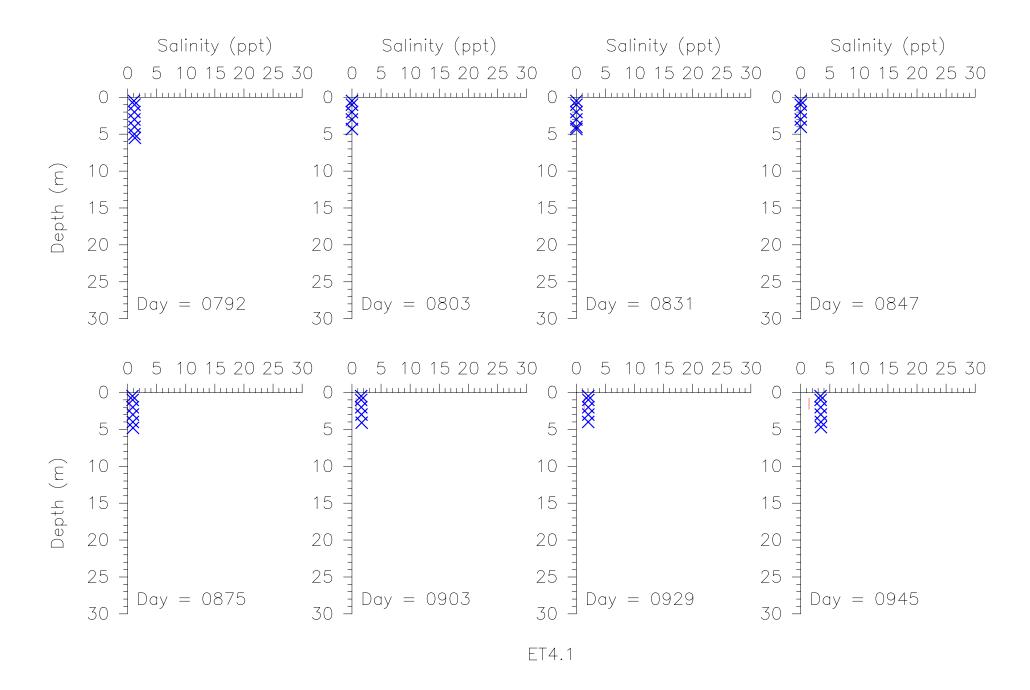


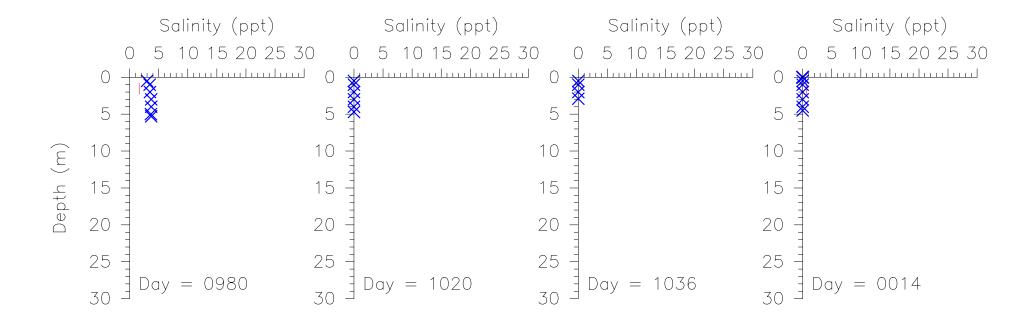




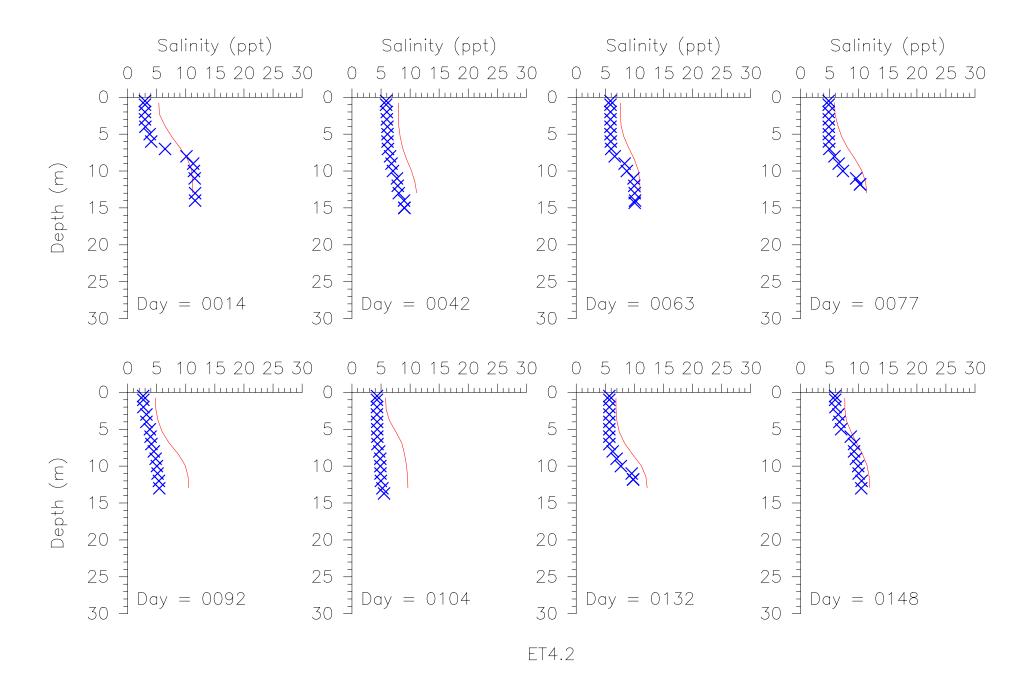


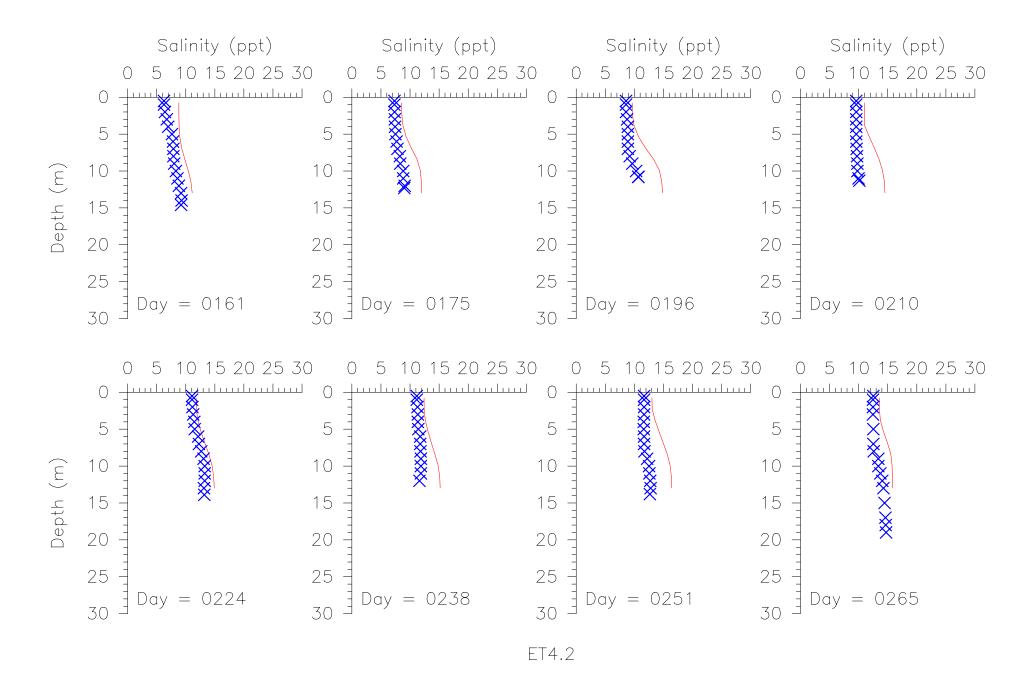


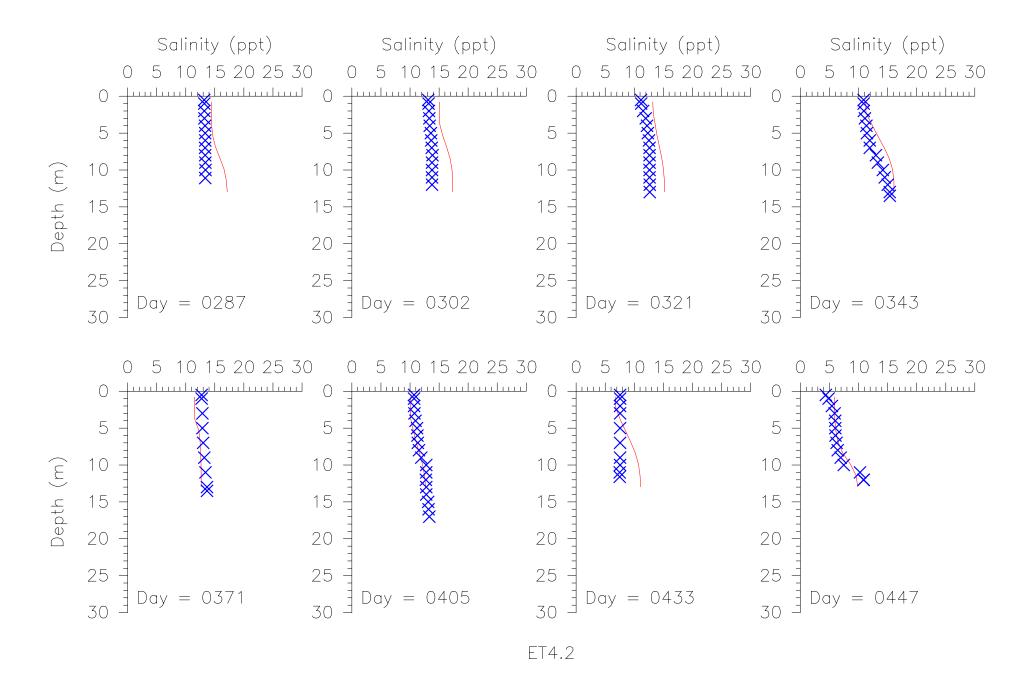


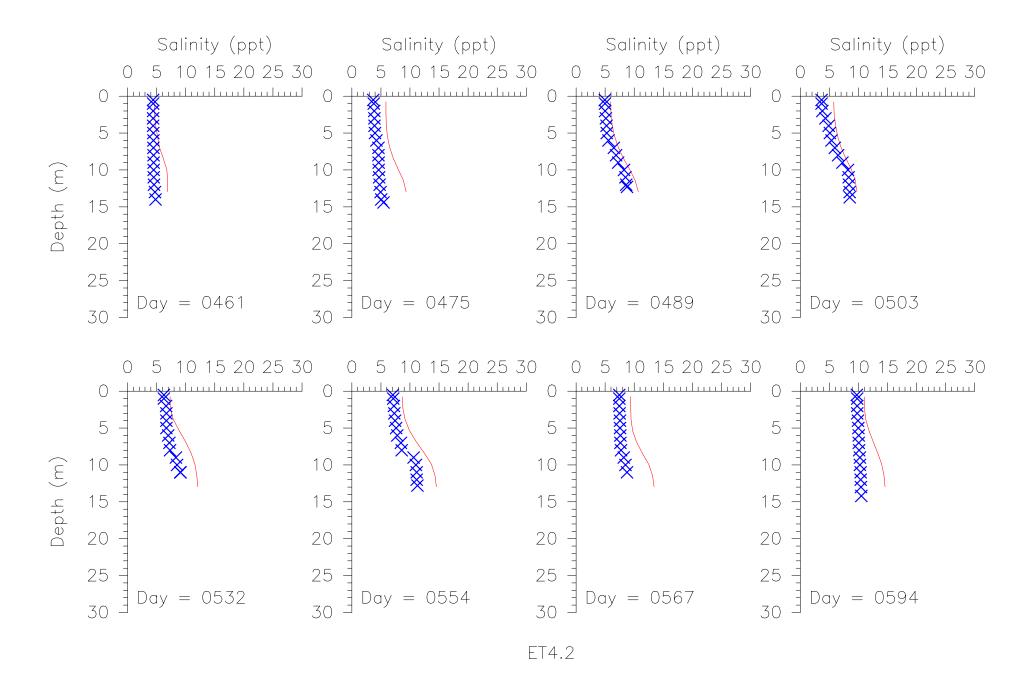


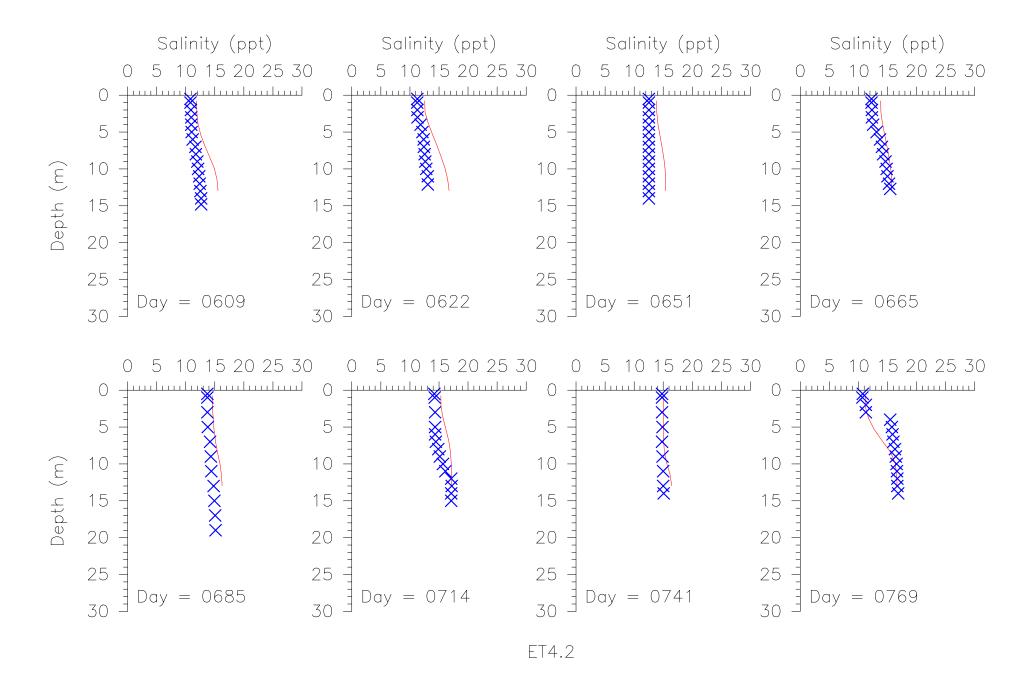
ET4.1

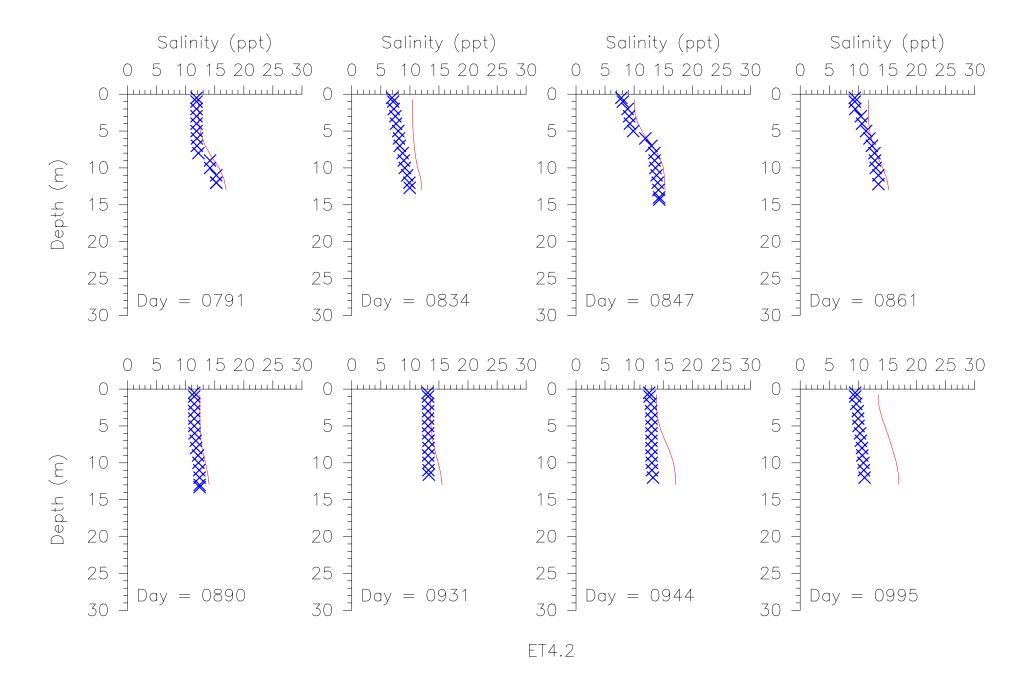


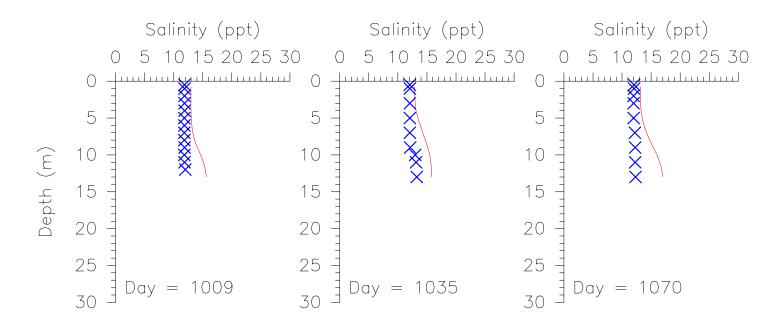






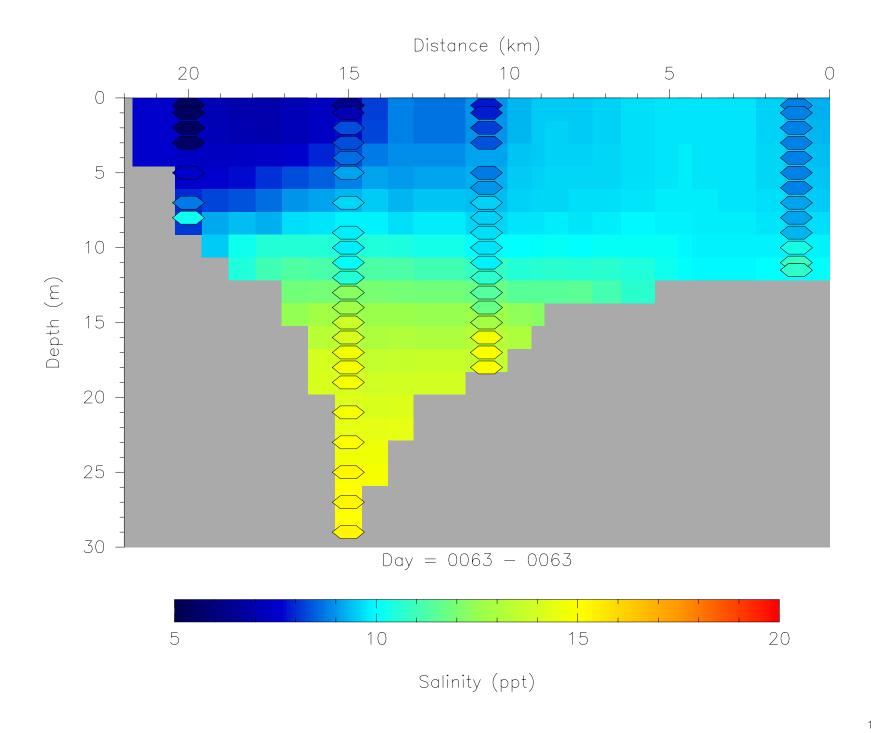


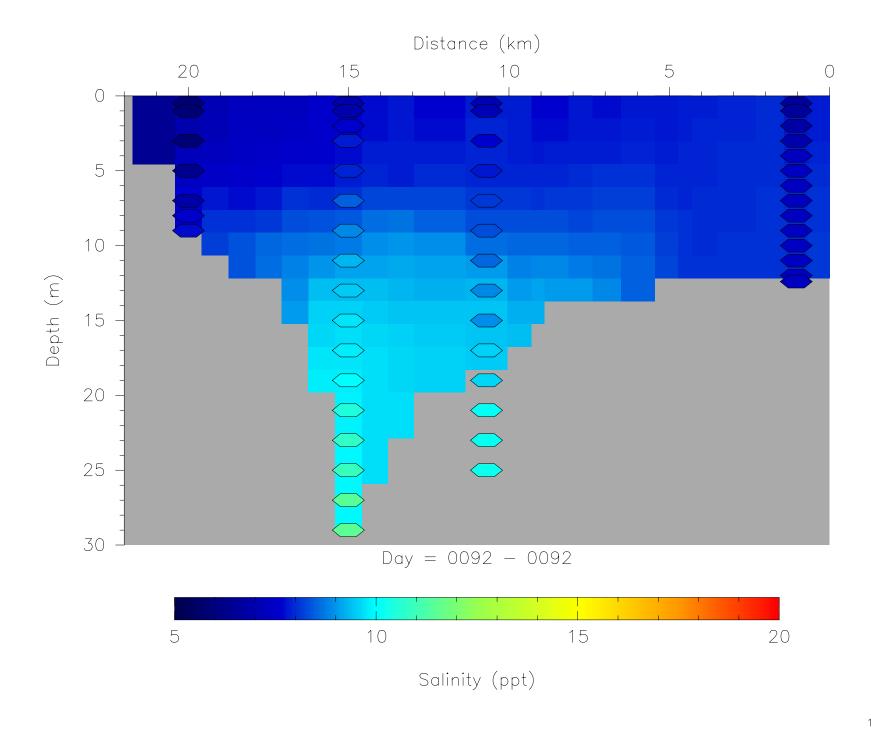


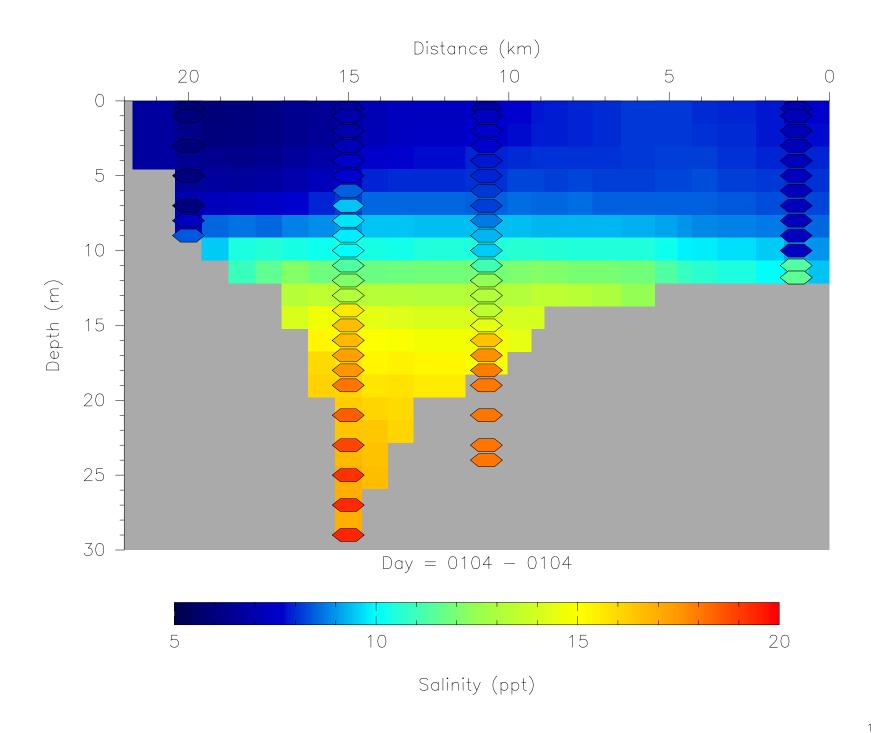


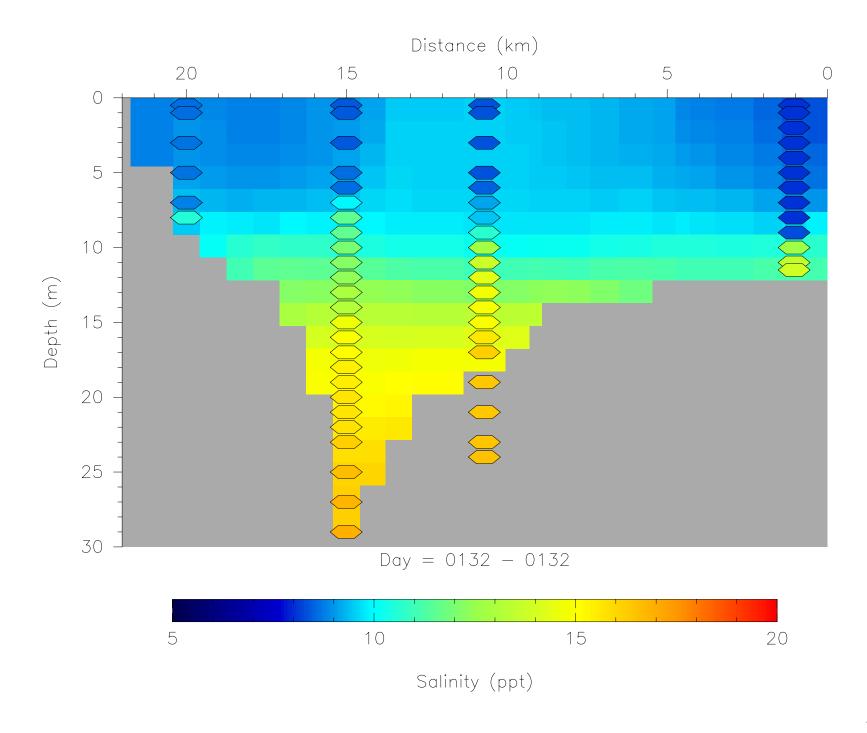
## **Appendix 4-C**

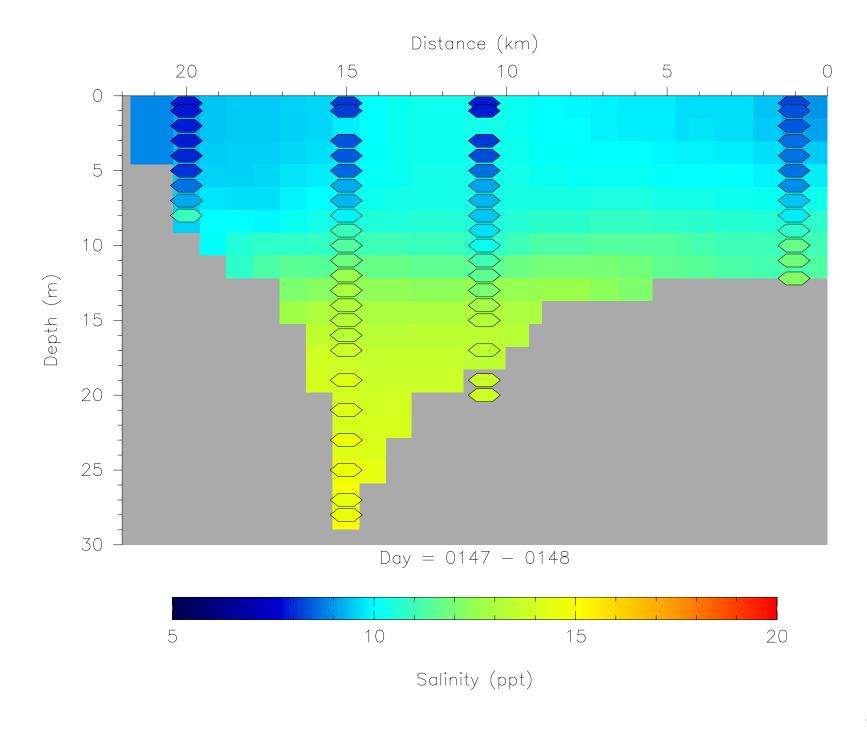
Time variation of salinity exchange between the main Bay and the Eastern Bay. Along the transect from west to east, the stations are CB4.1W, CB4.1C, CB4.1E, and EE1.1. The color in circles represent observation whereas the background color represent model simulation.

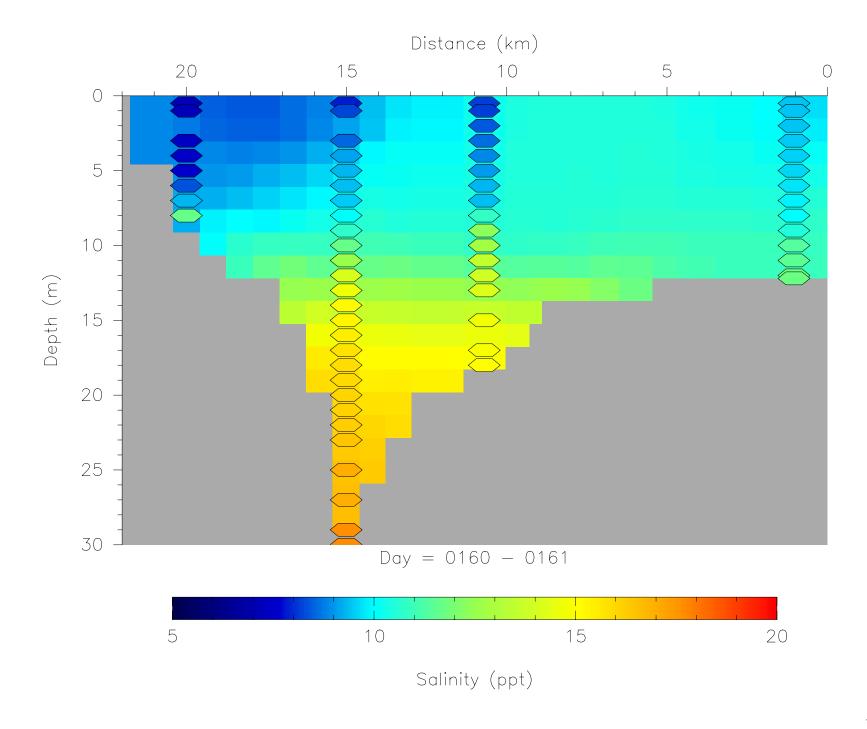


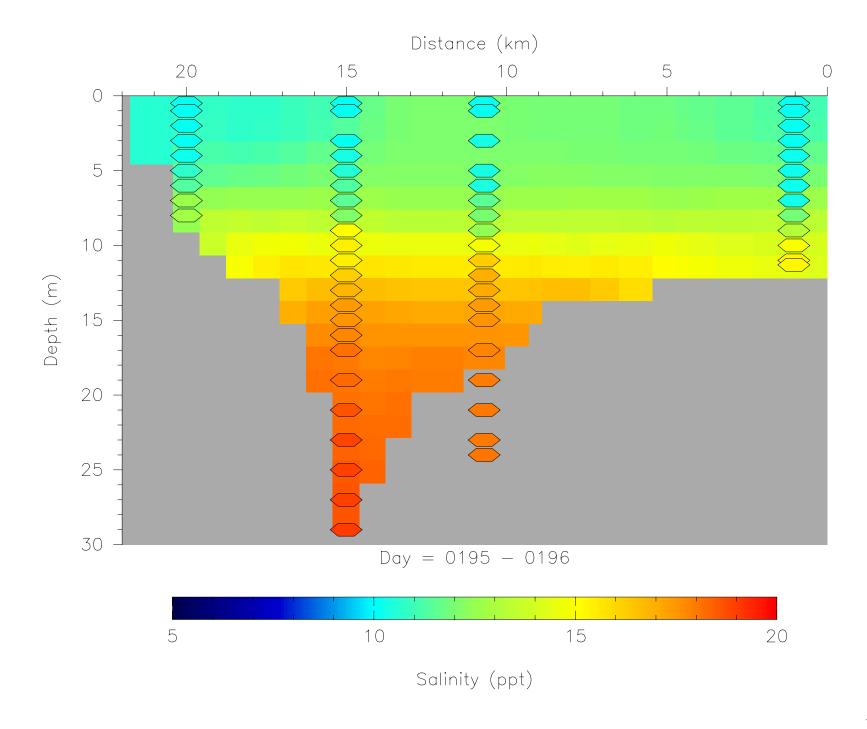


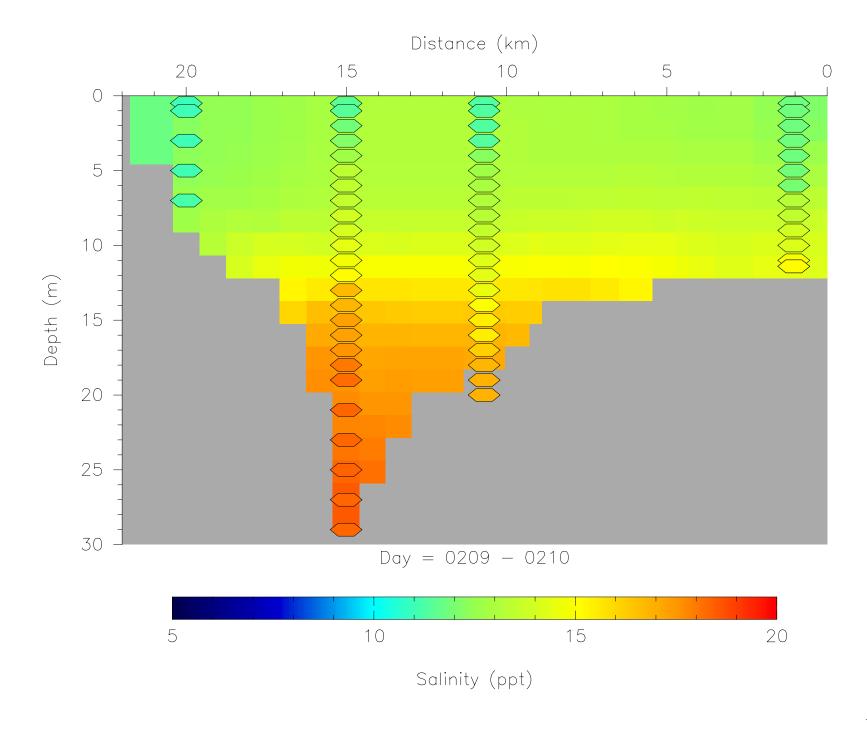


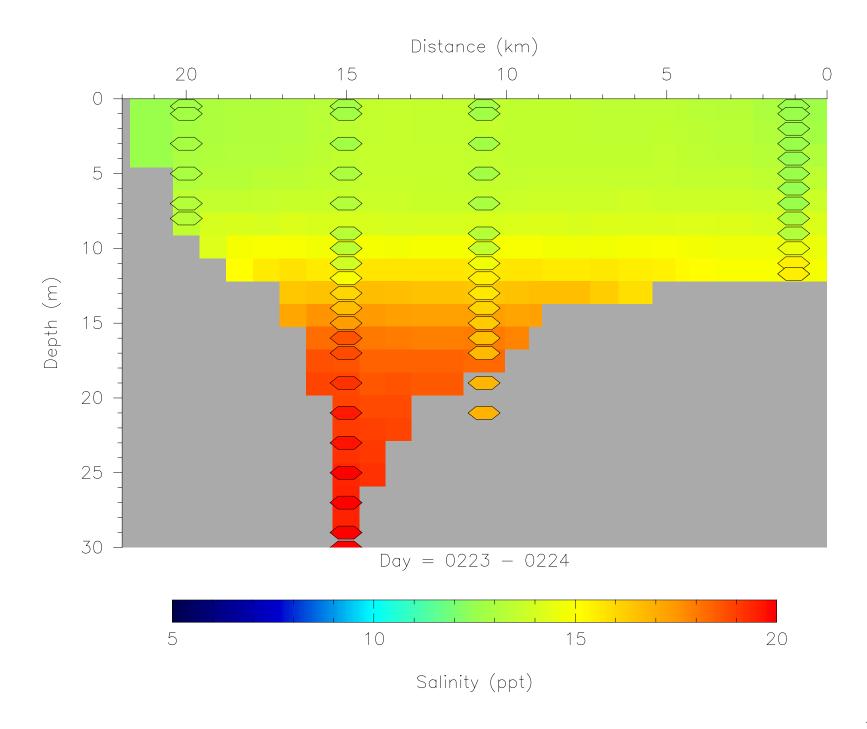


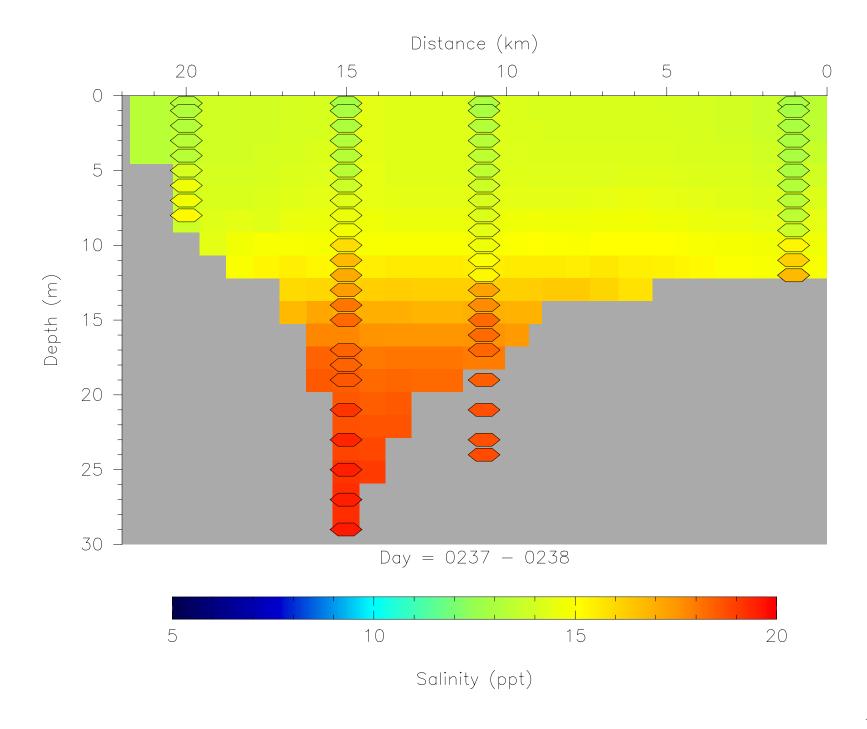


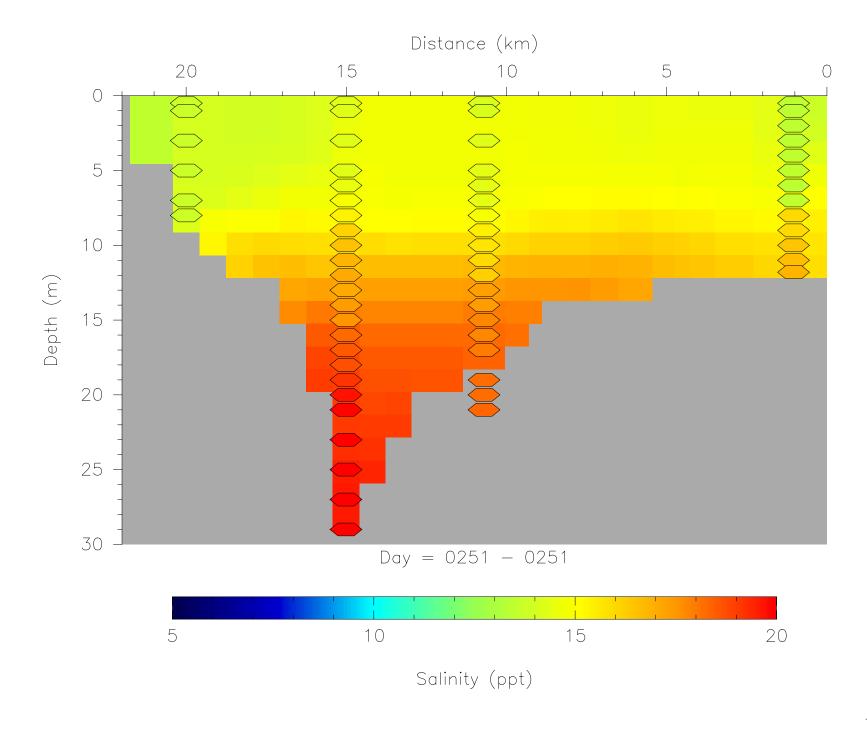


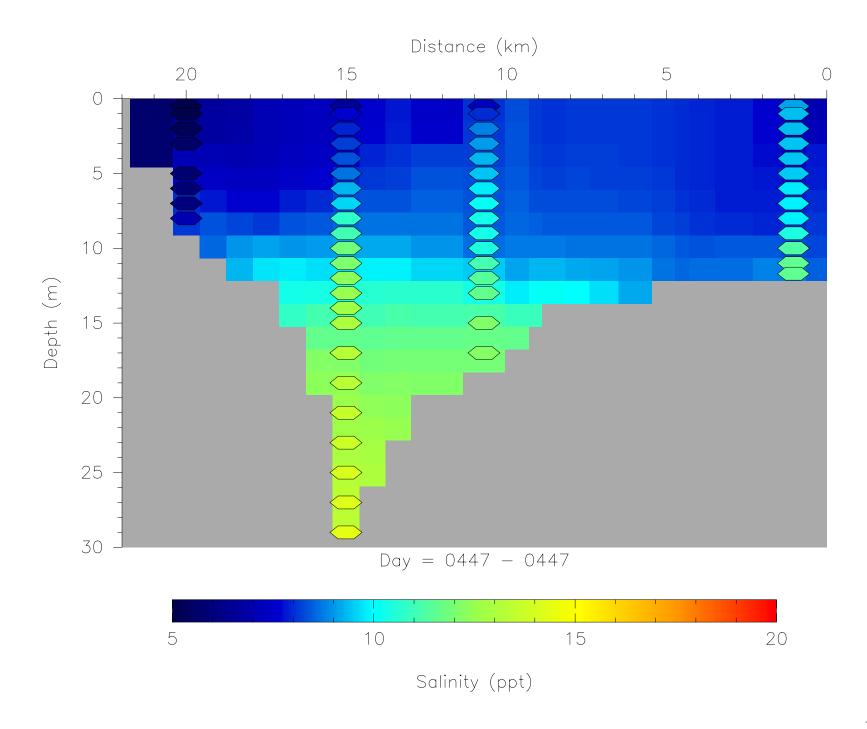


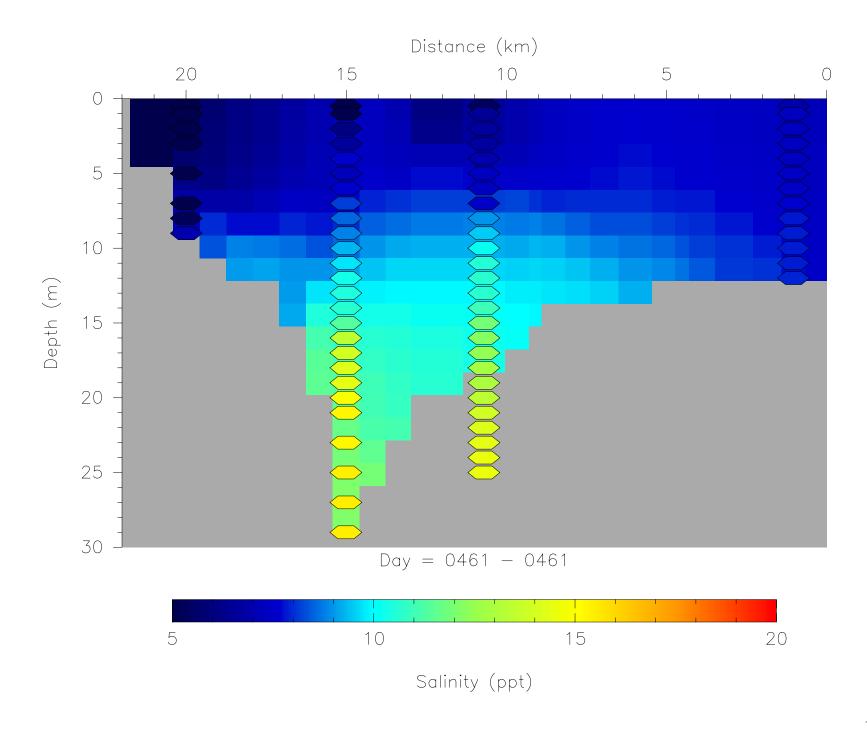


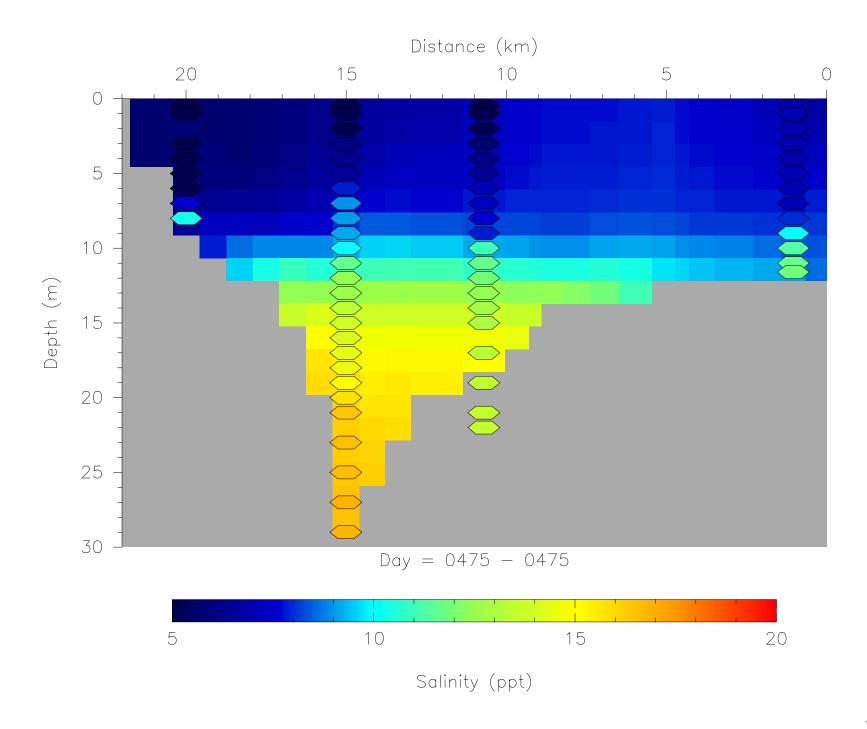


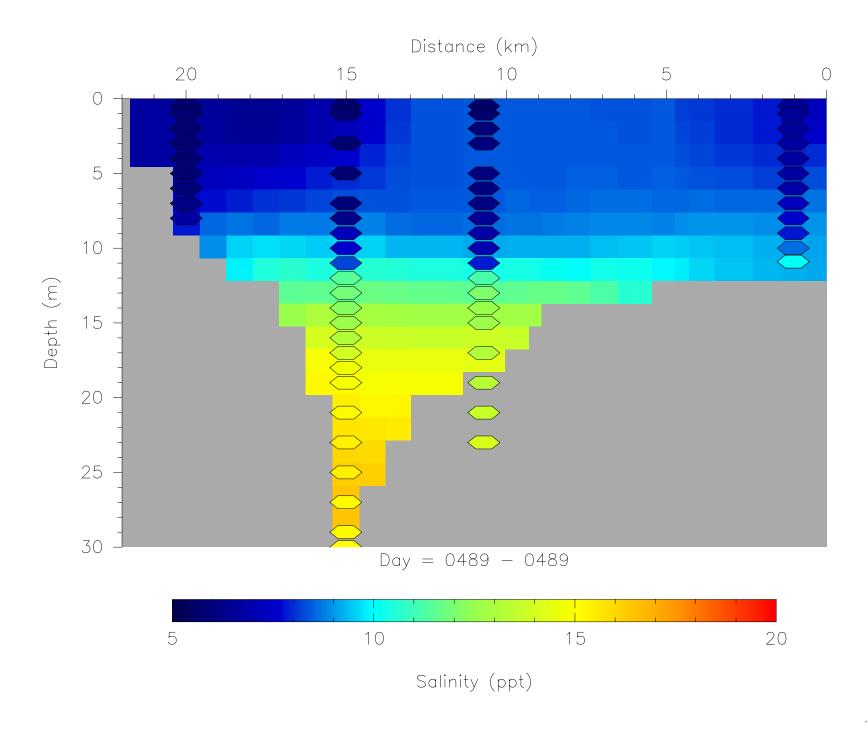


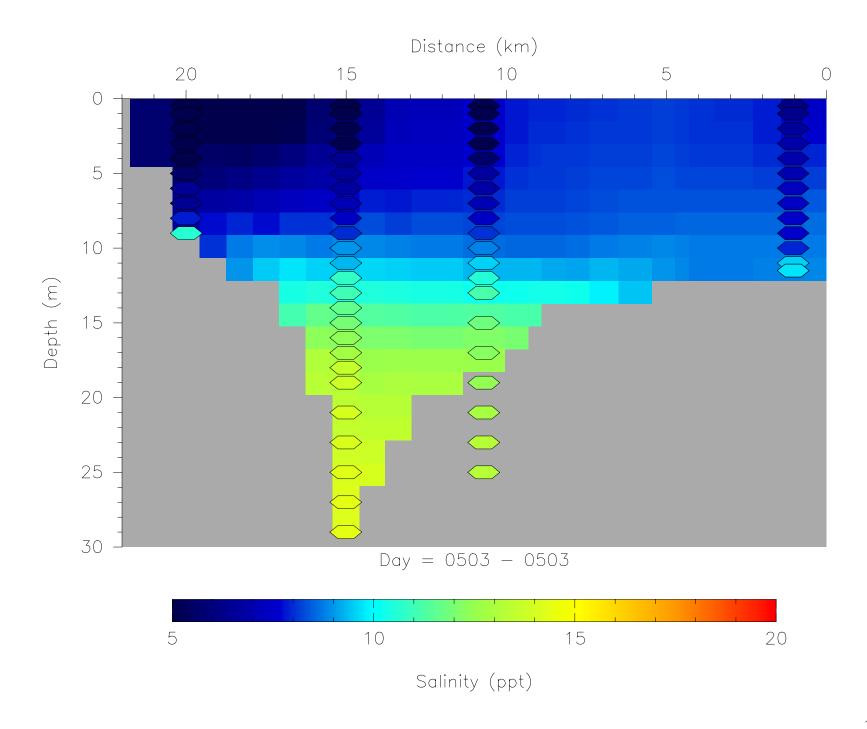


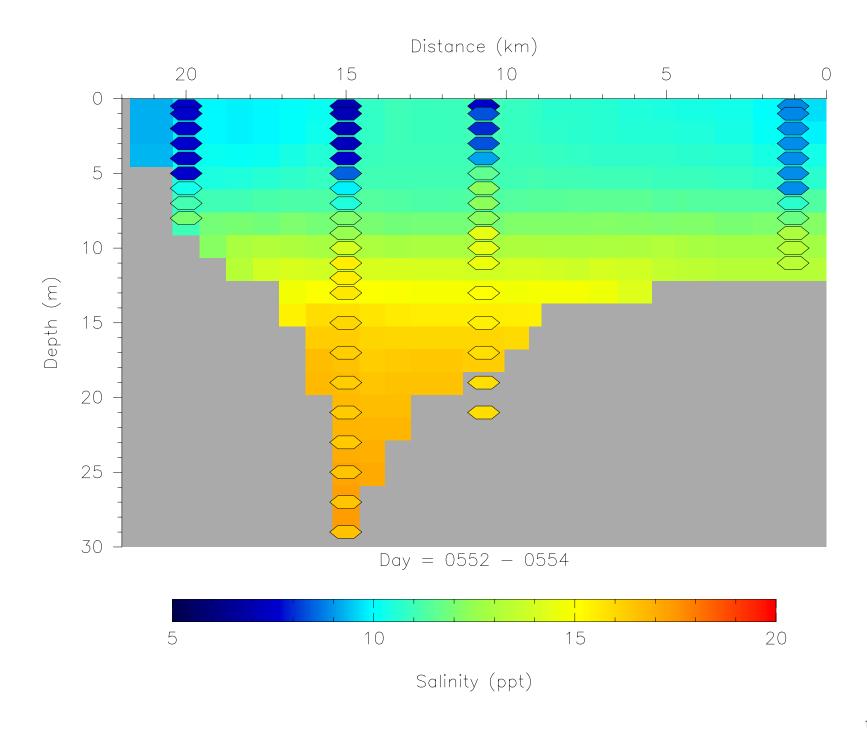


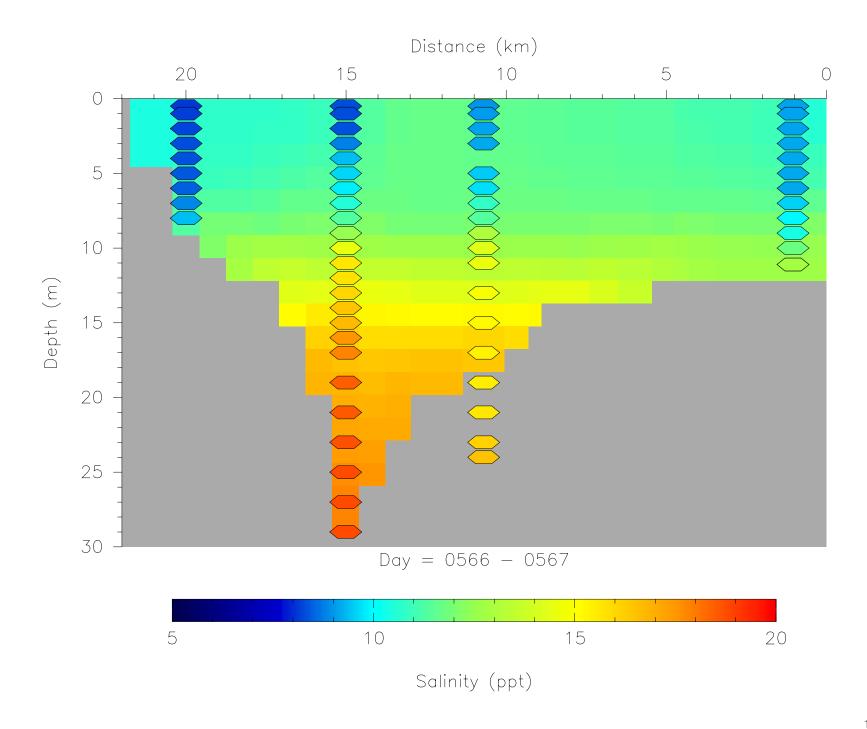


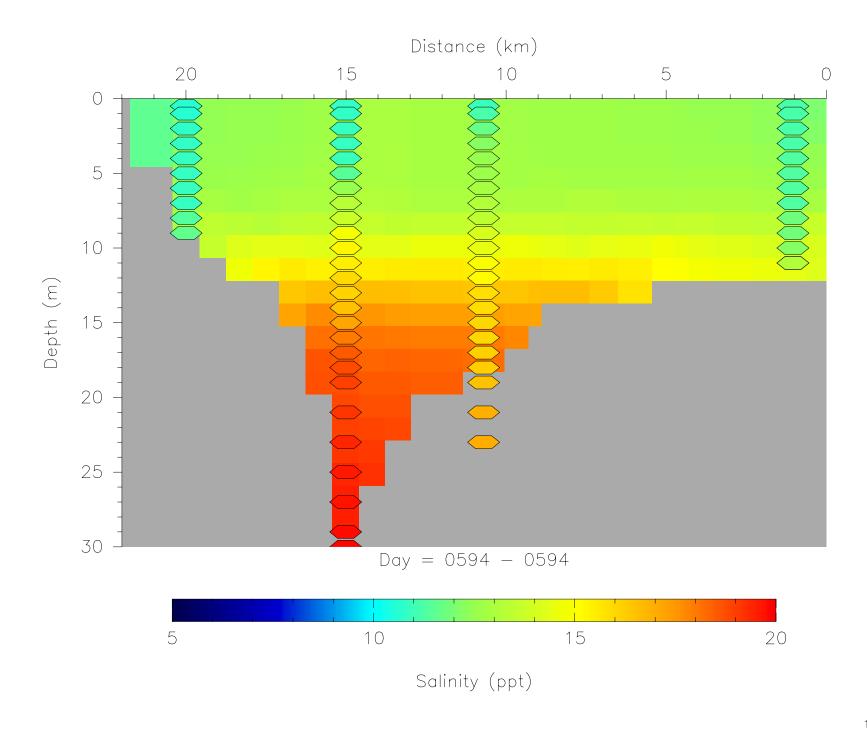


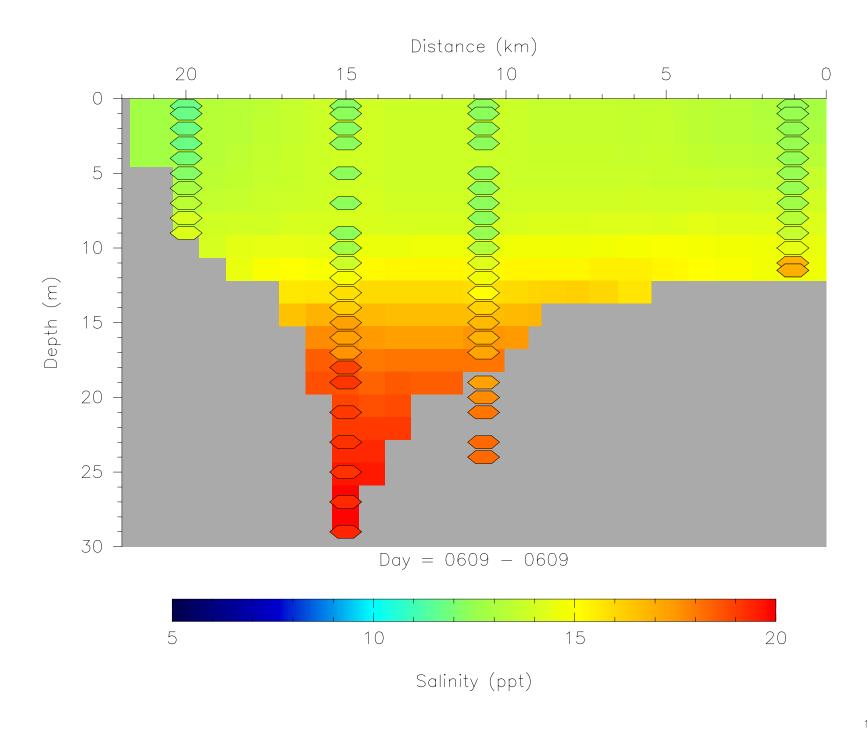


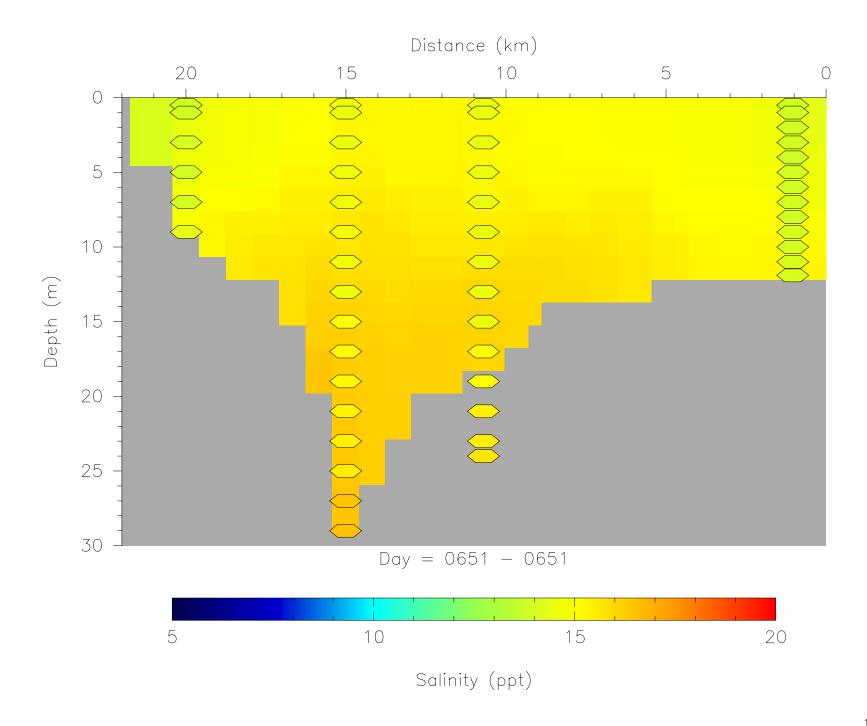


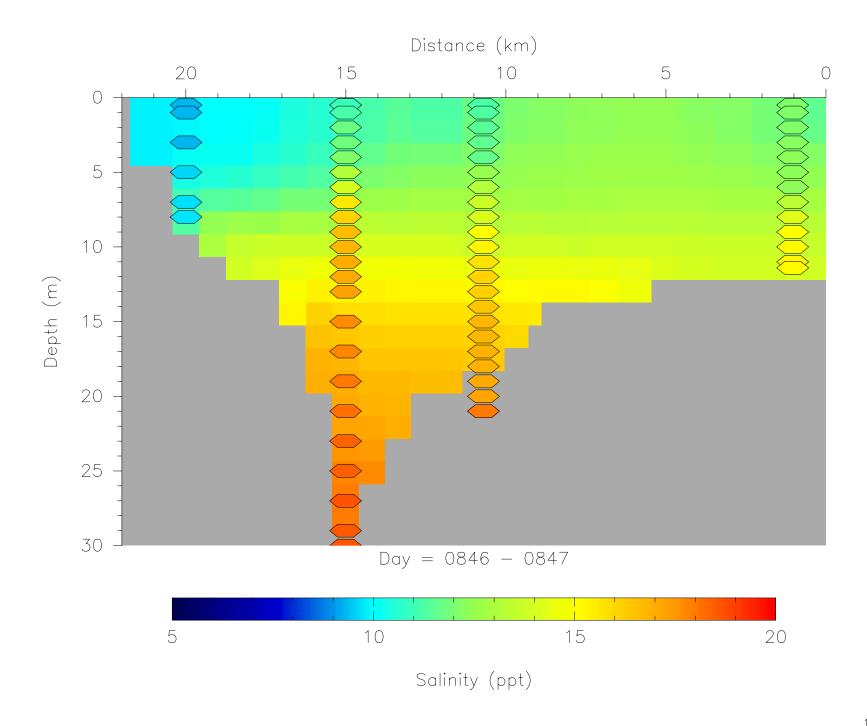


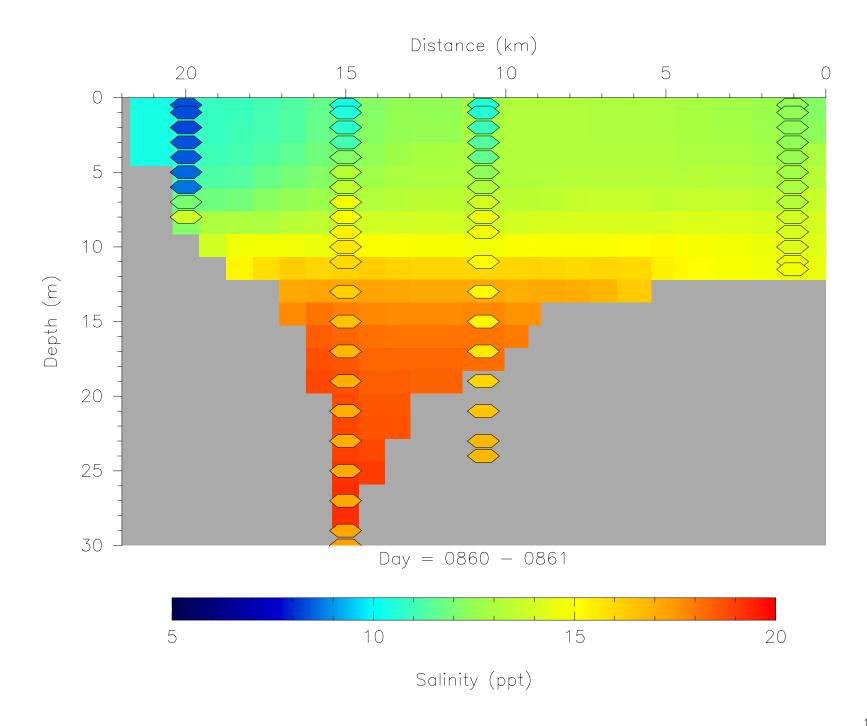


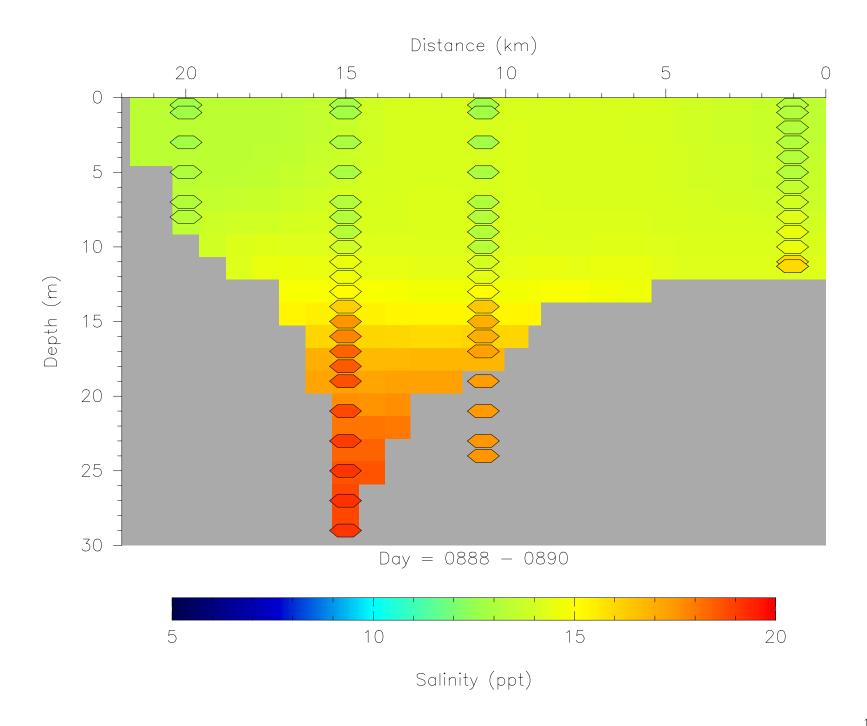


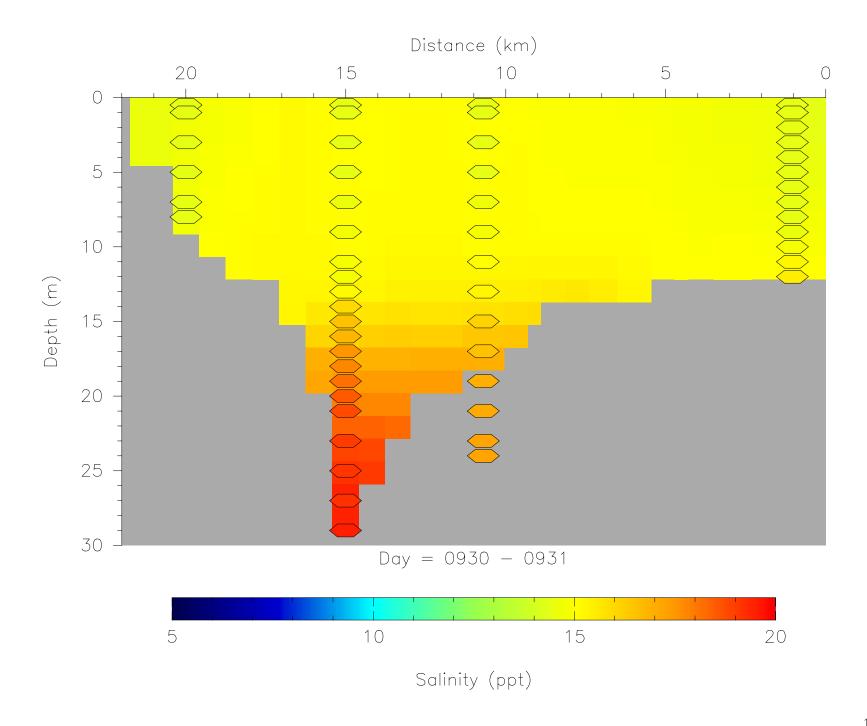


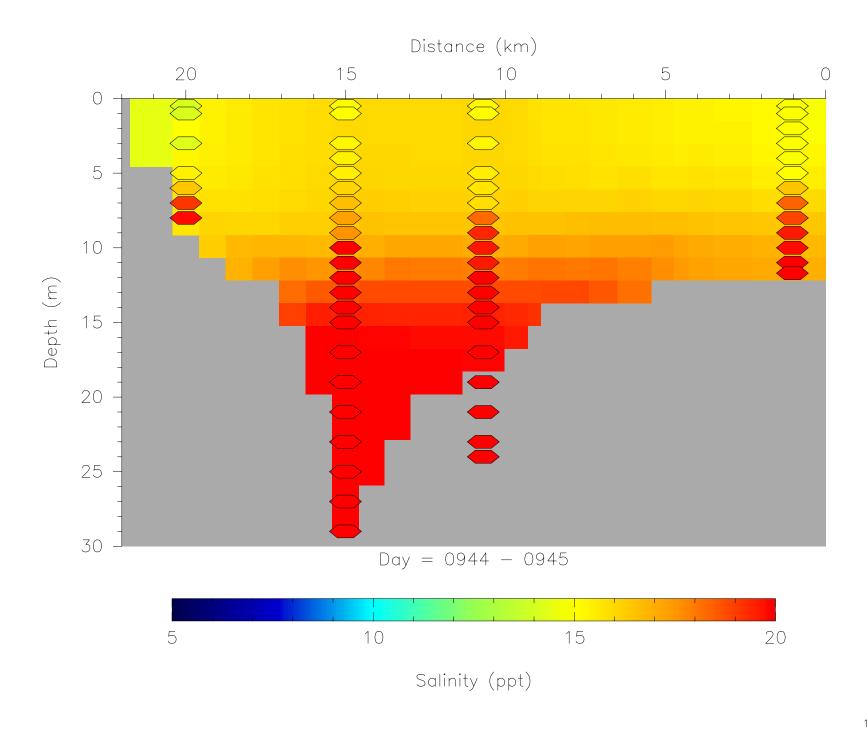


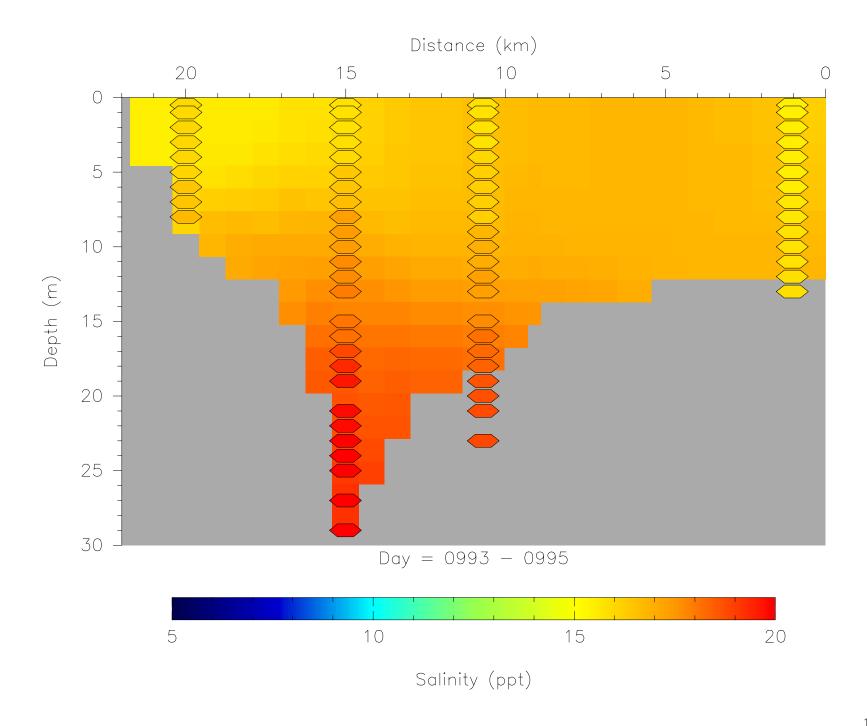


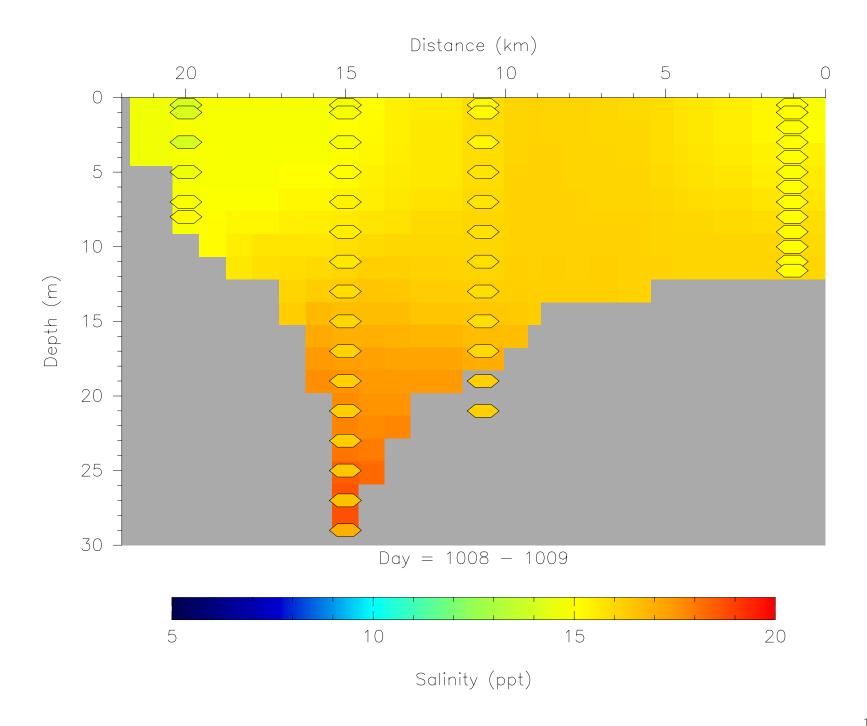






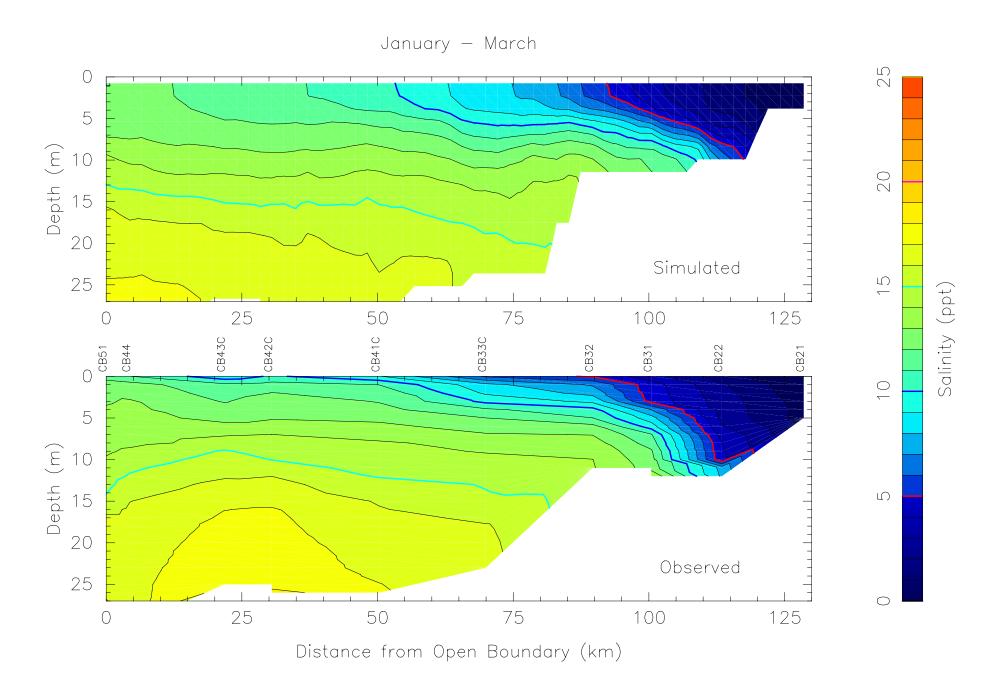


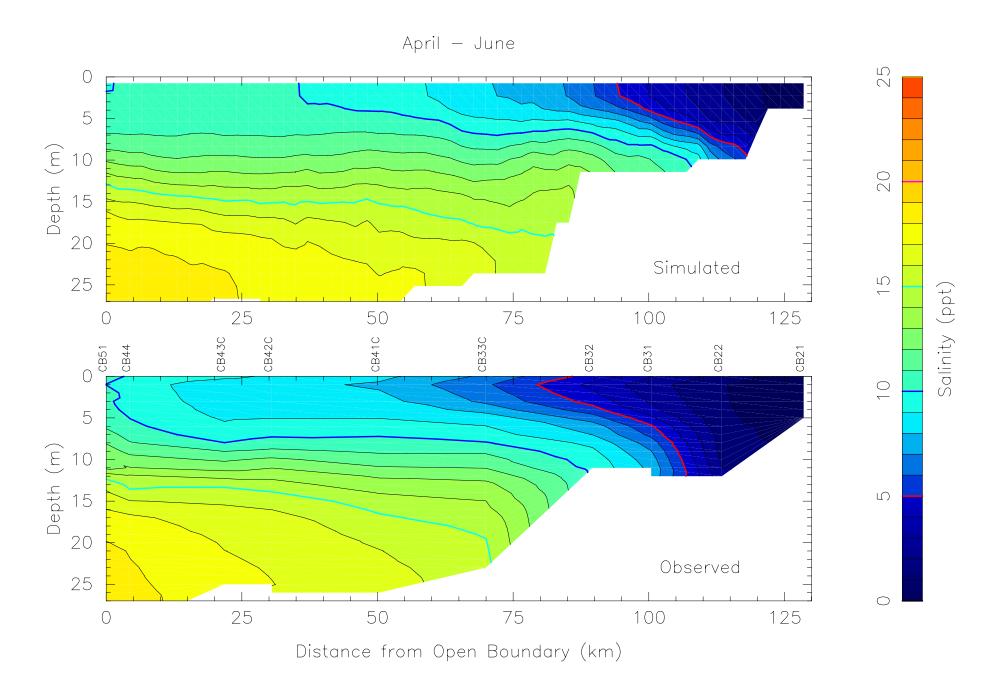


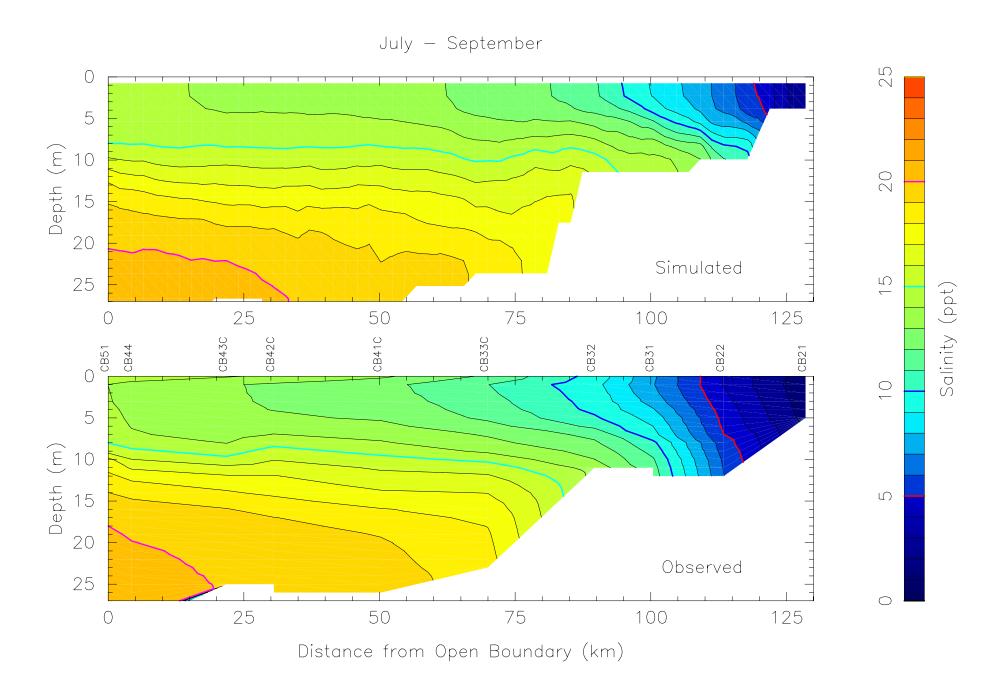


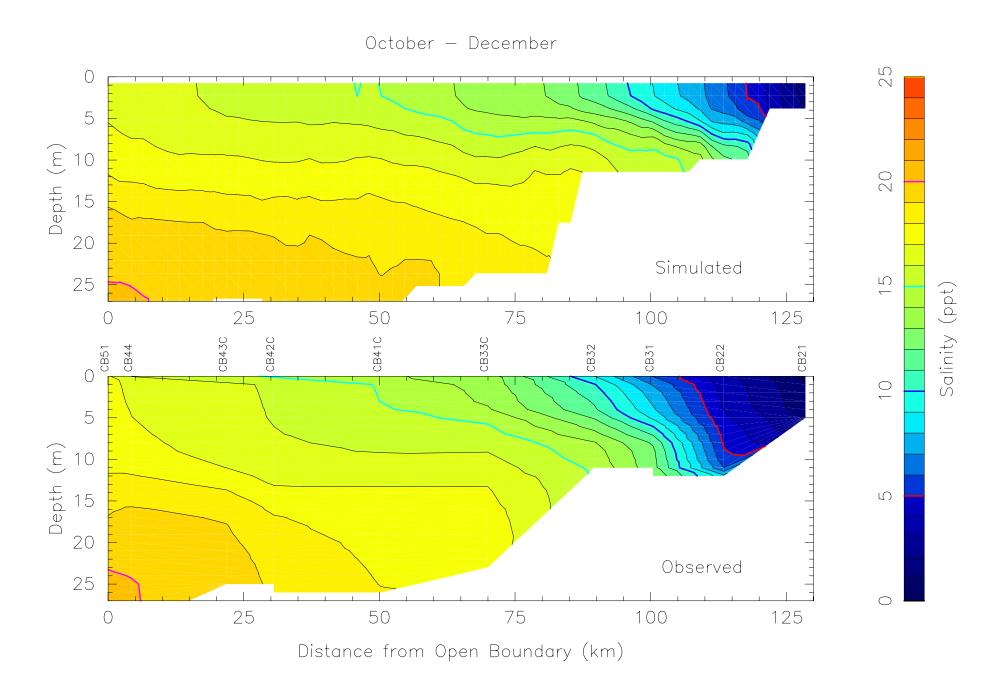
## **Appendix 4-D**

Three-year seasonal average of salinity distribution along the main Bay. Top panel represents simulation and bottom panel shows the composition of observed values.



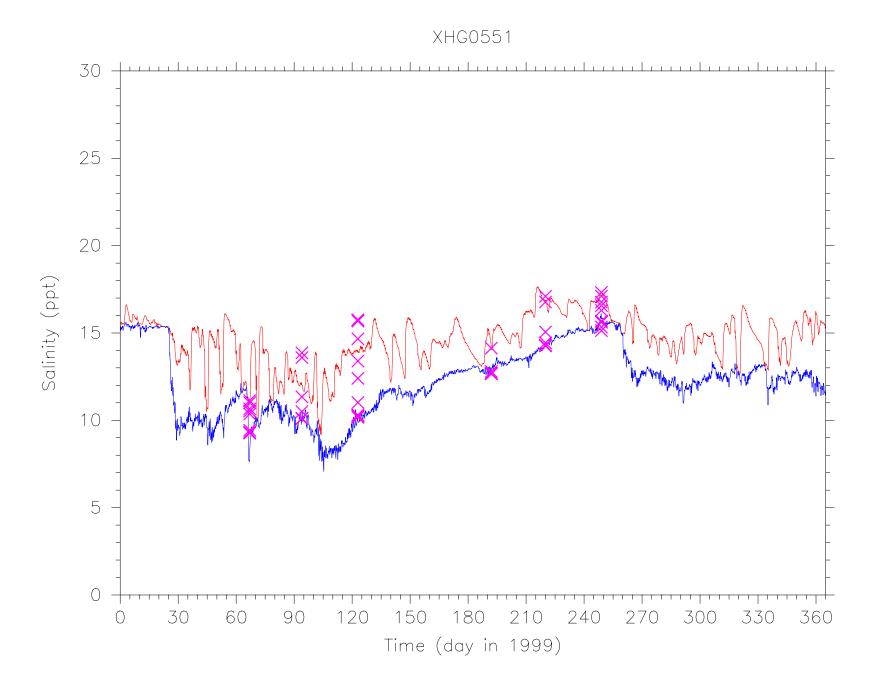


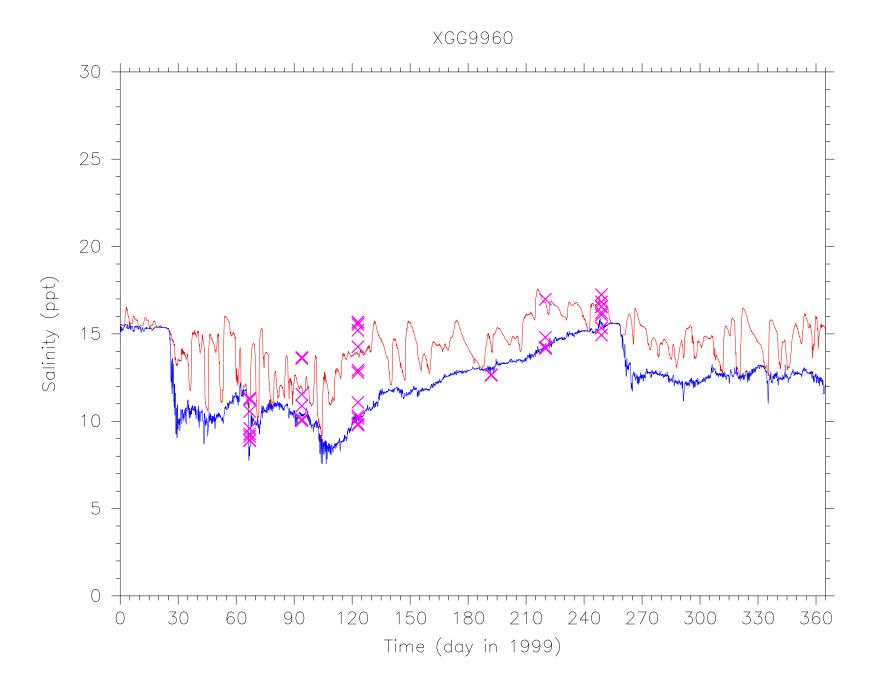


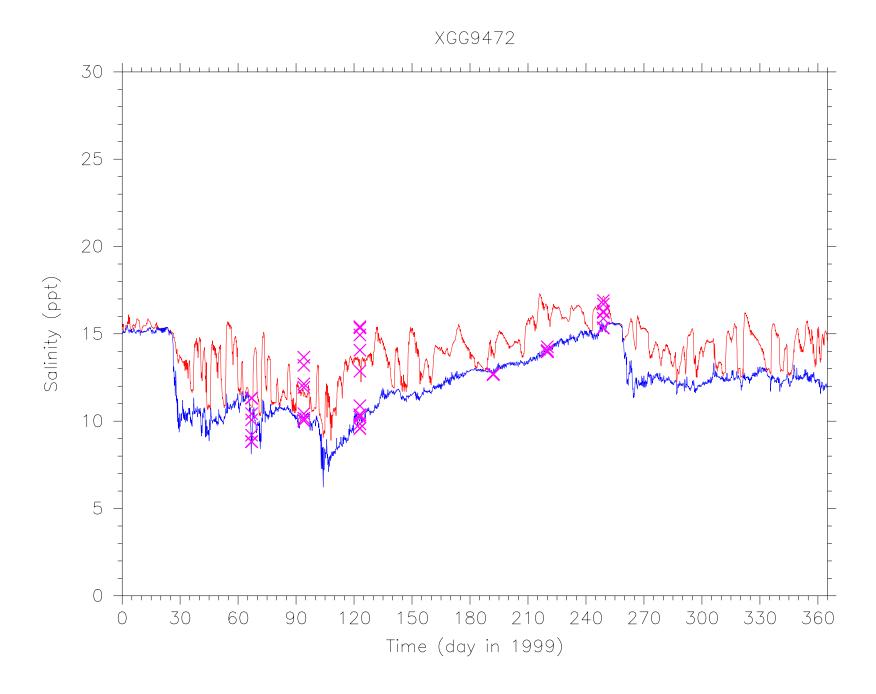


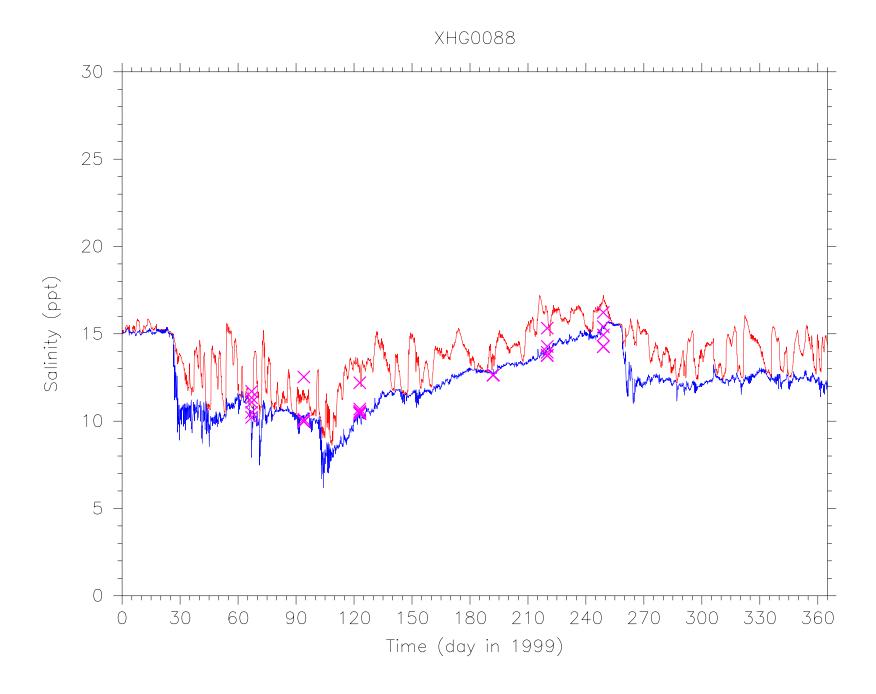
## **Appendix 4-E**

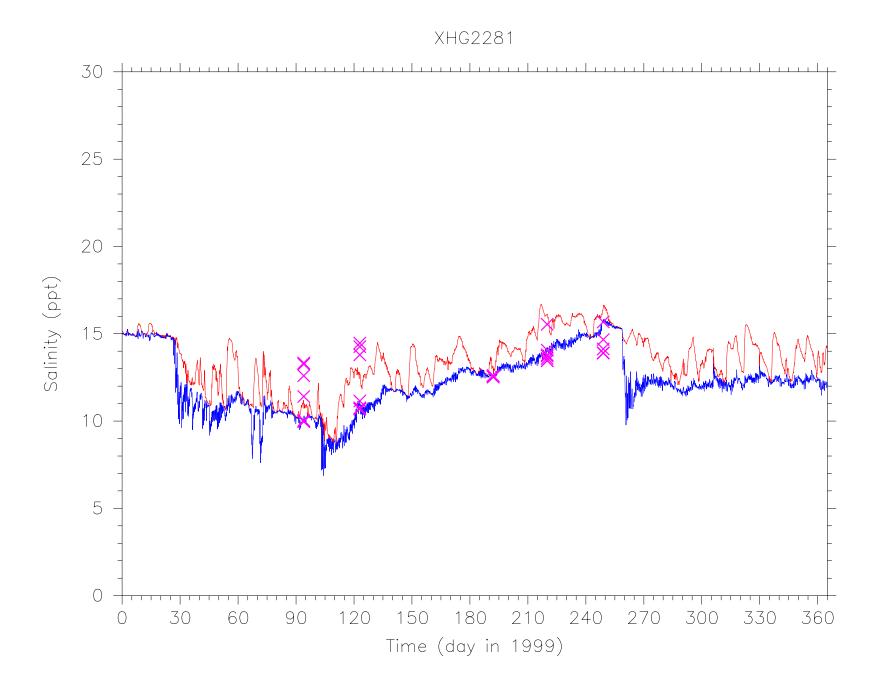
Time series of salinity at the MDE intensive survey stations for 1999. Red and blue lines represent simulation at surface and bottom, respectively. All the observed values at each station were shown by crosses.

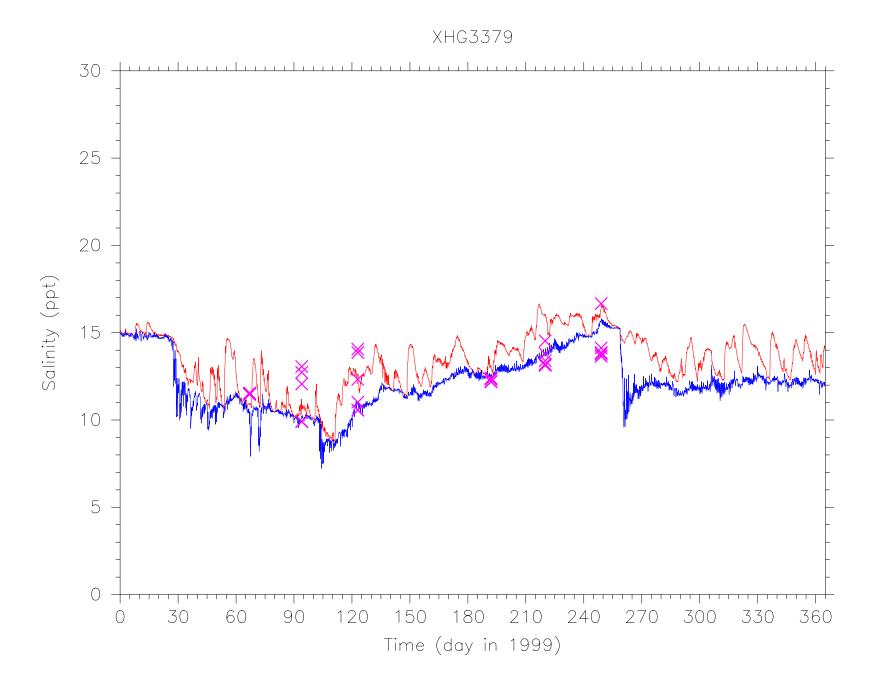


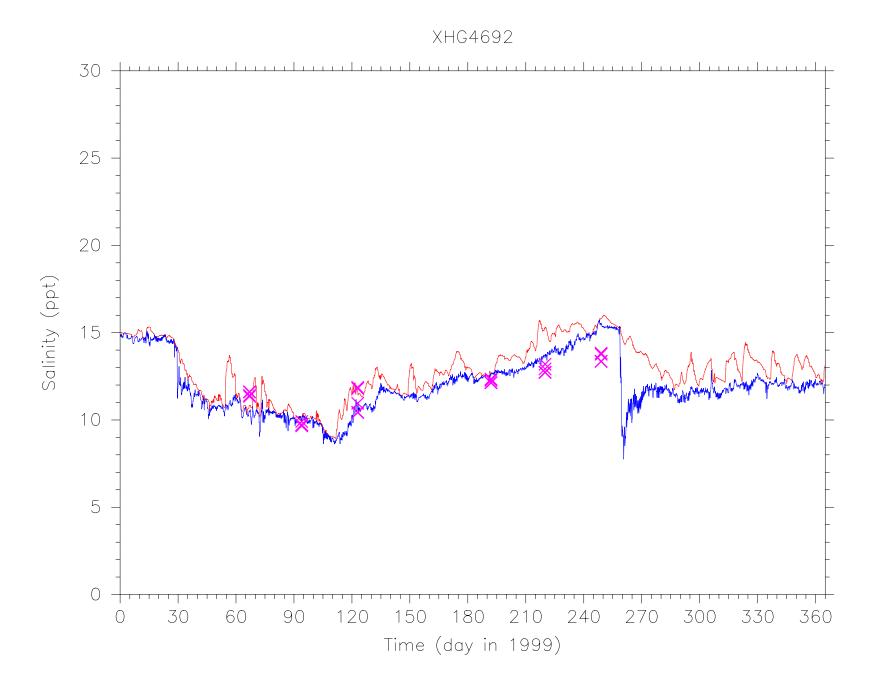


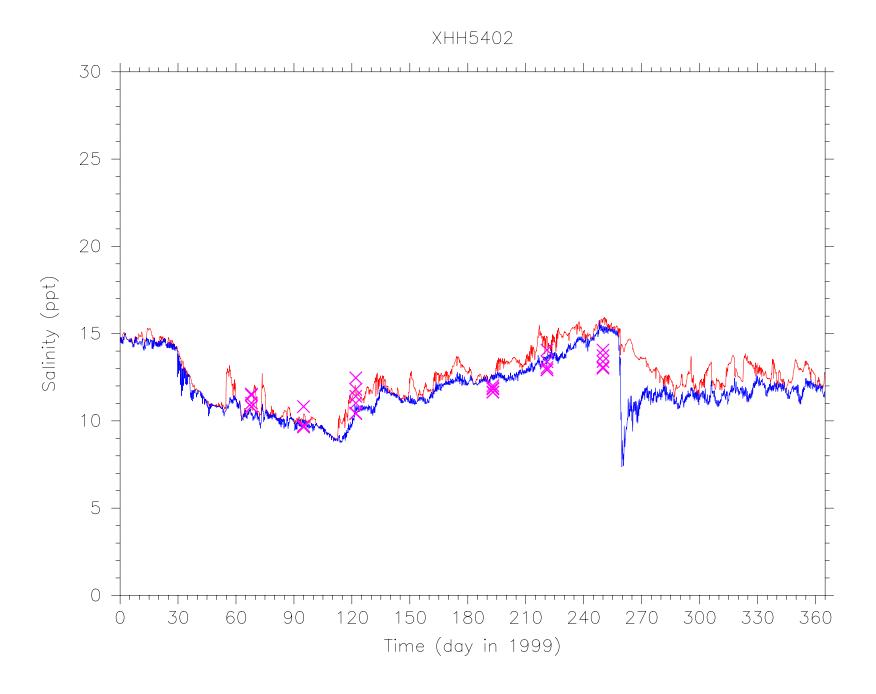


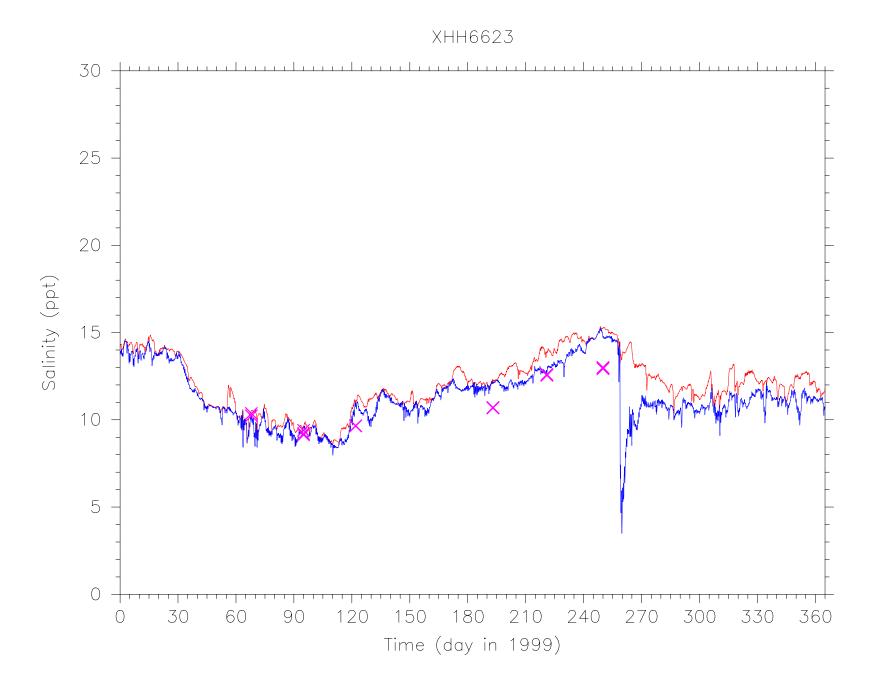


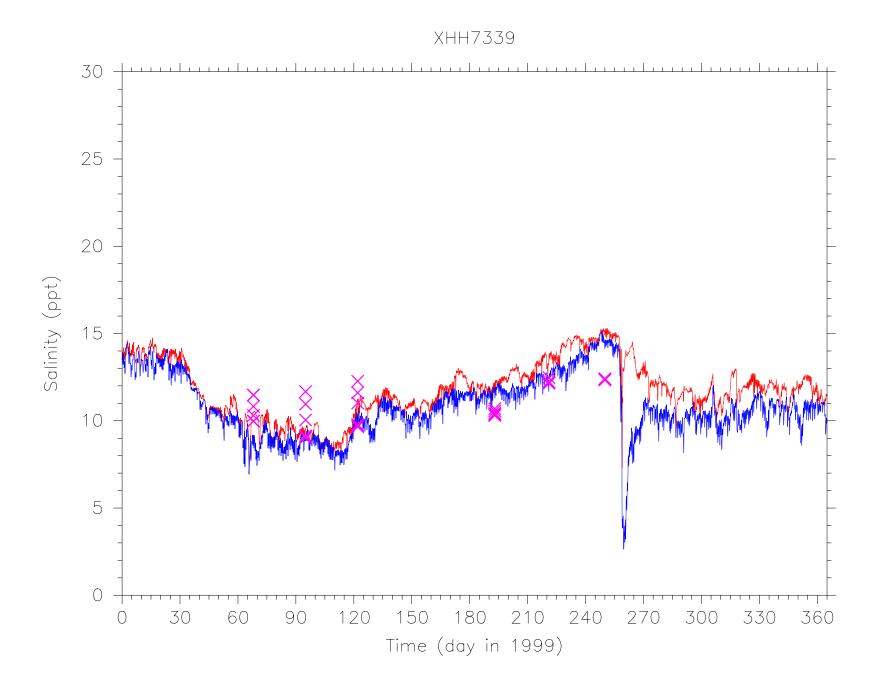


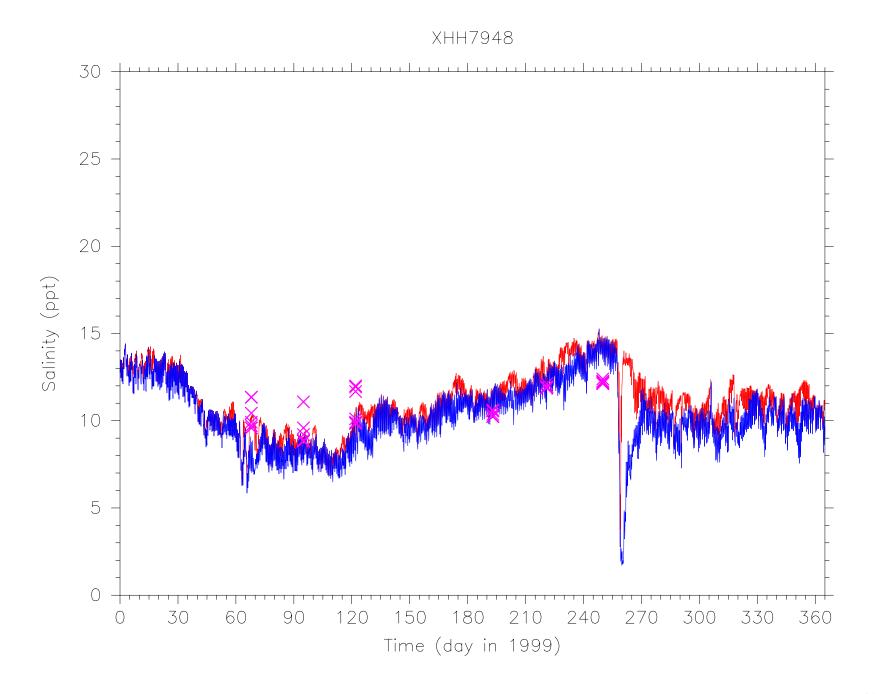


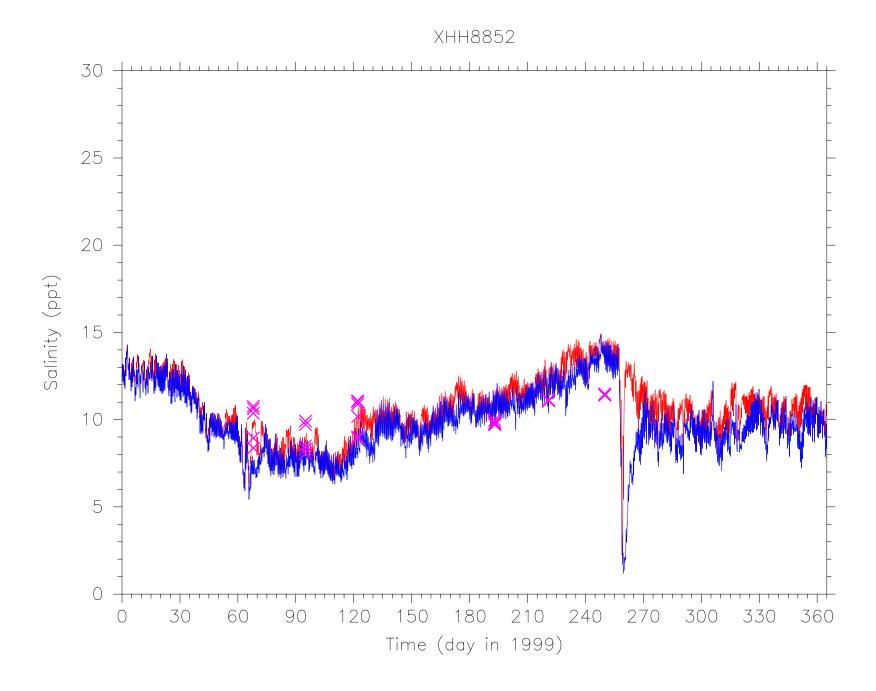


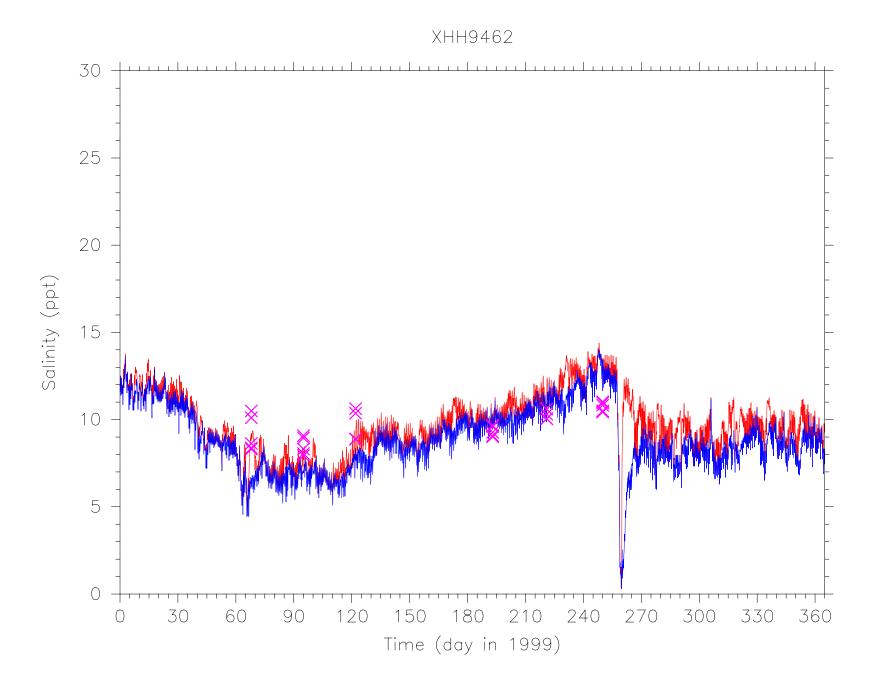


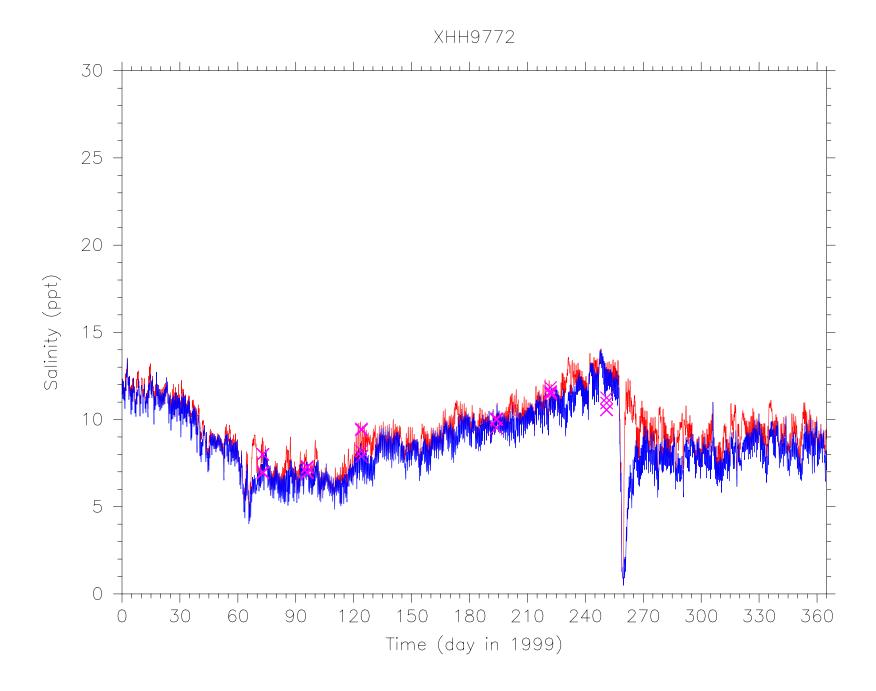


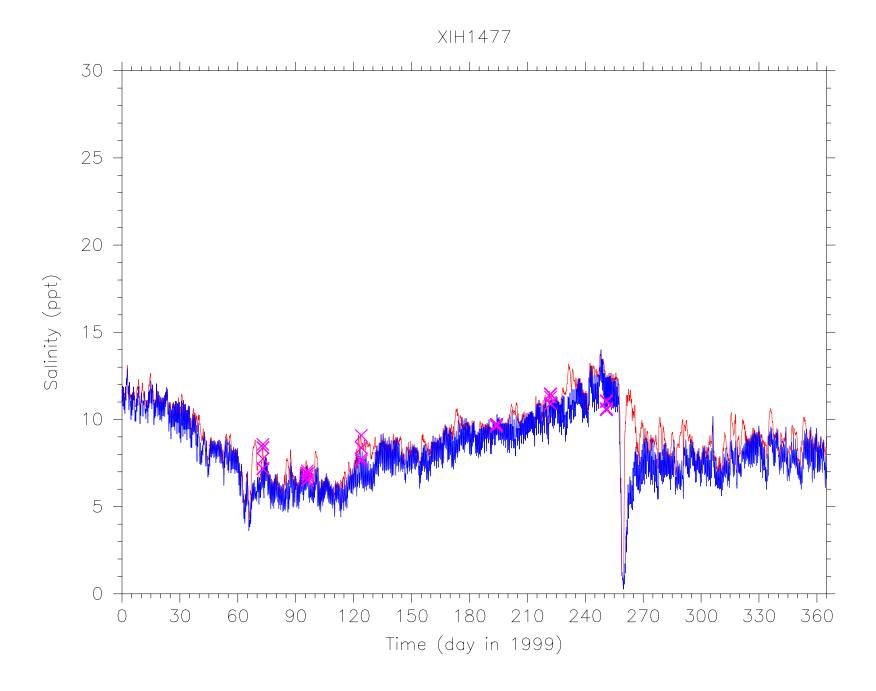


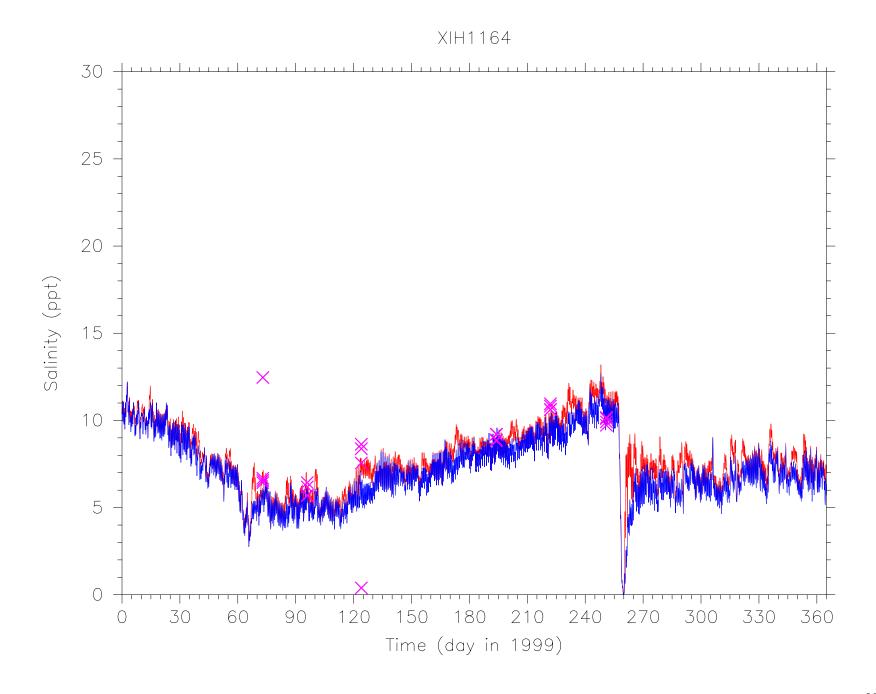


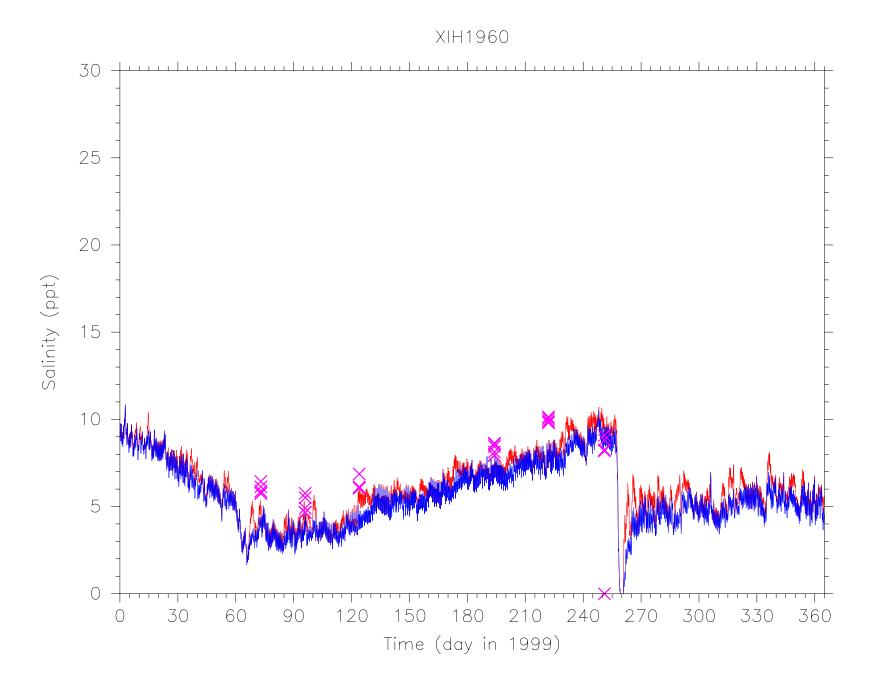


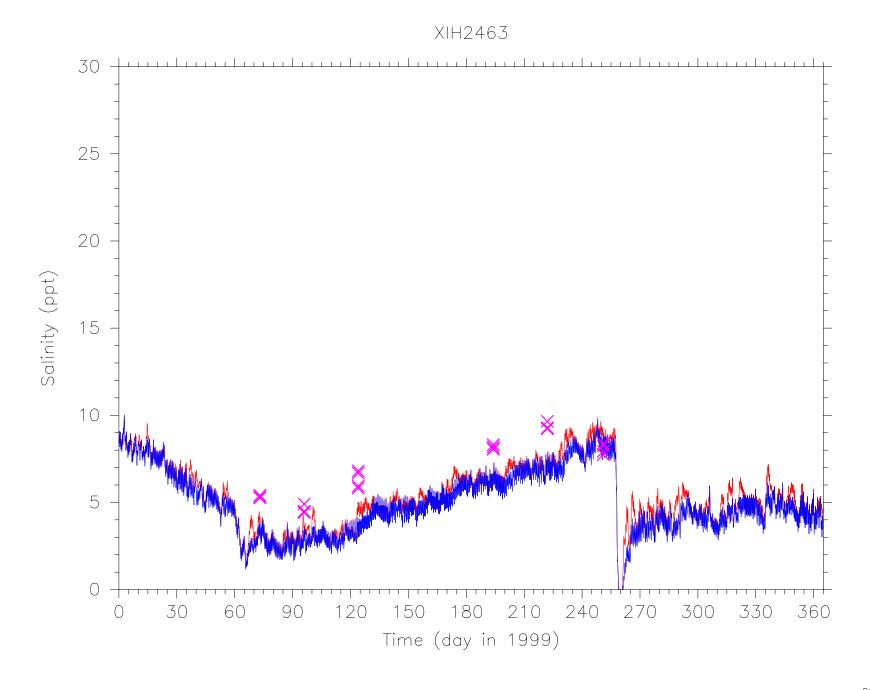


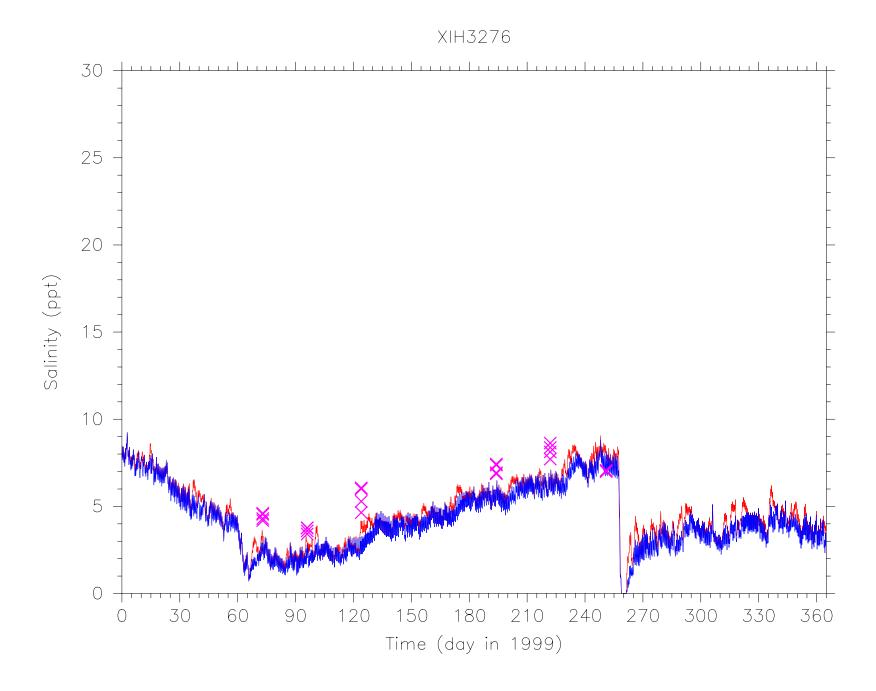


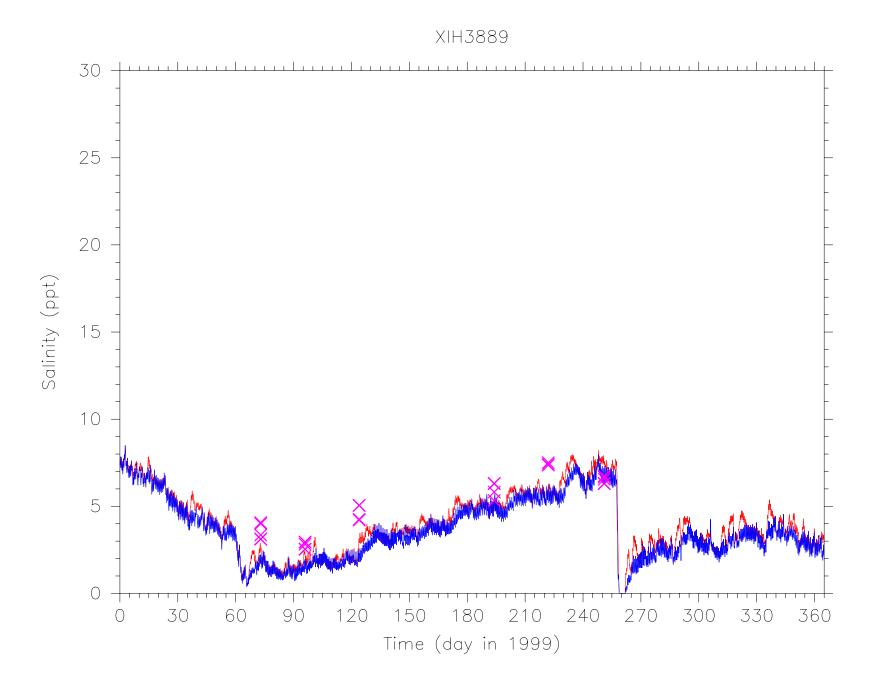


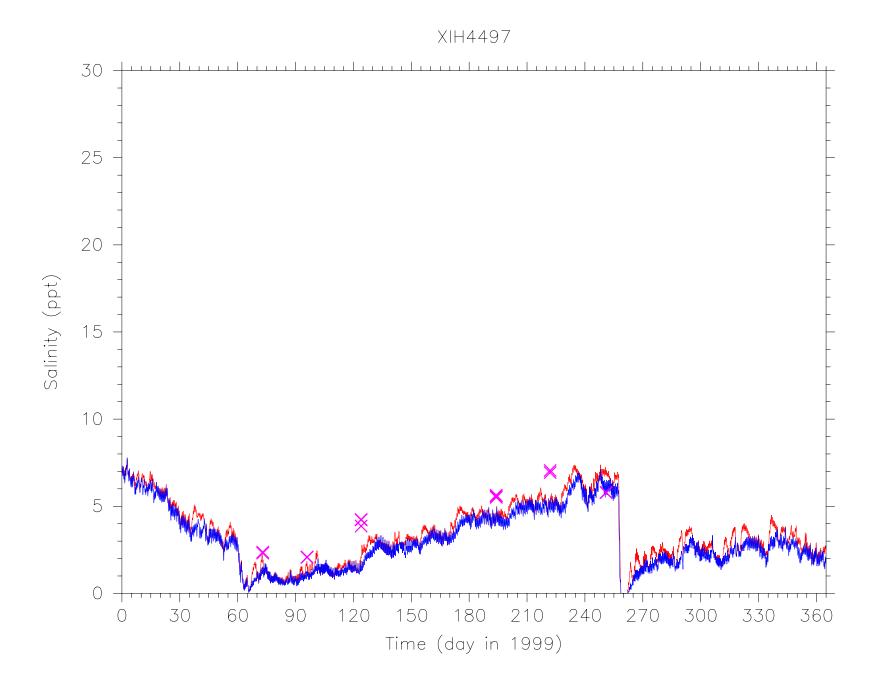


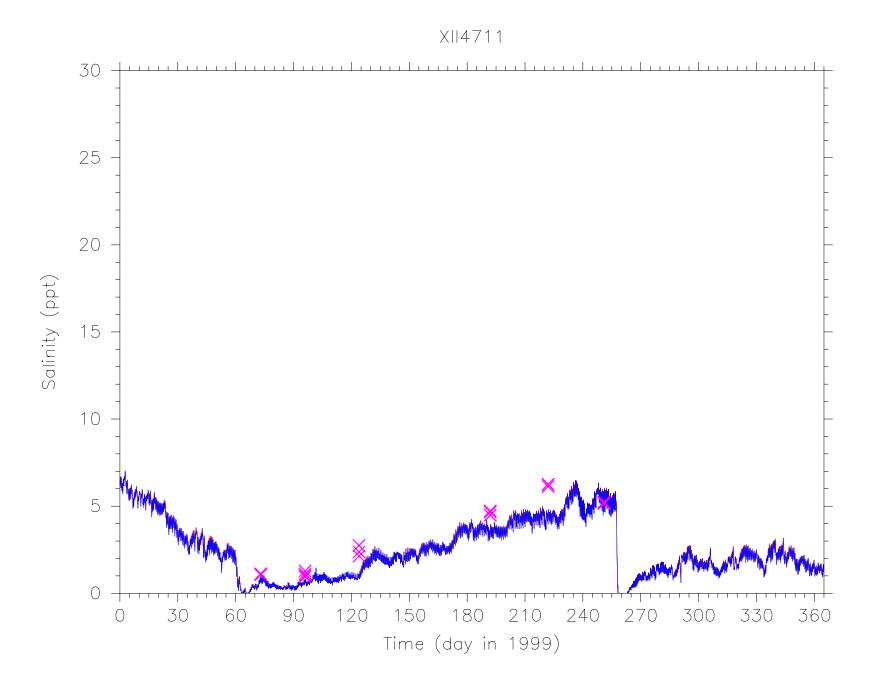


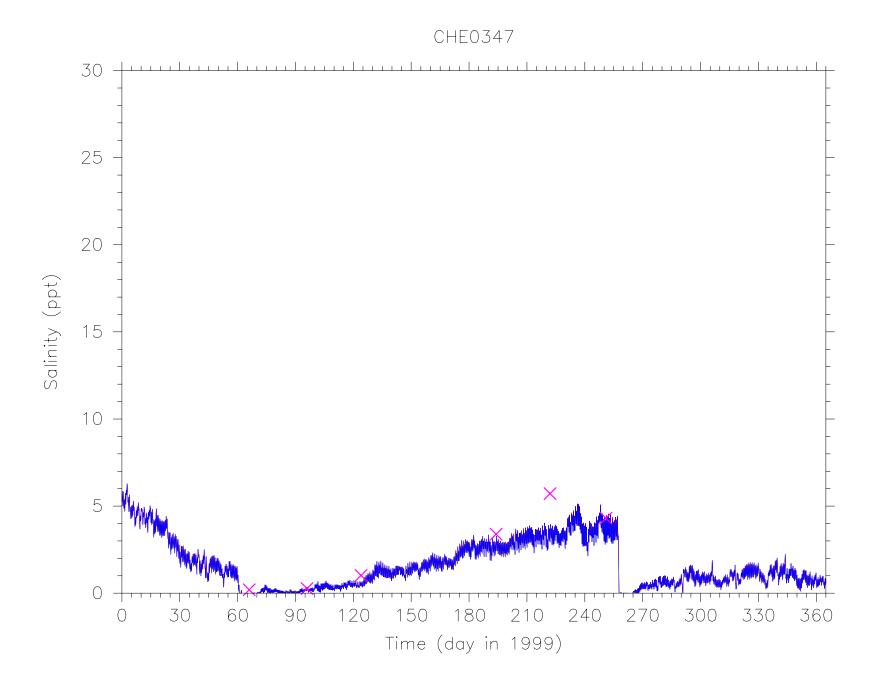


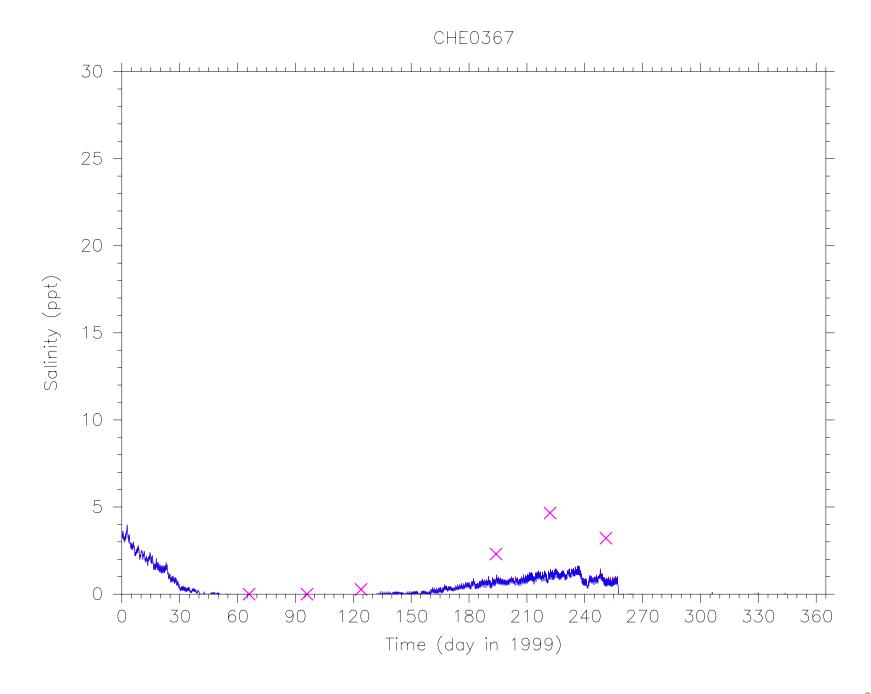


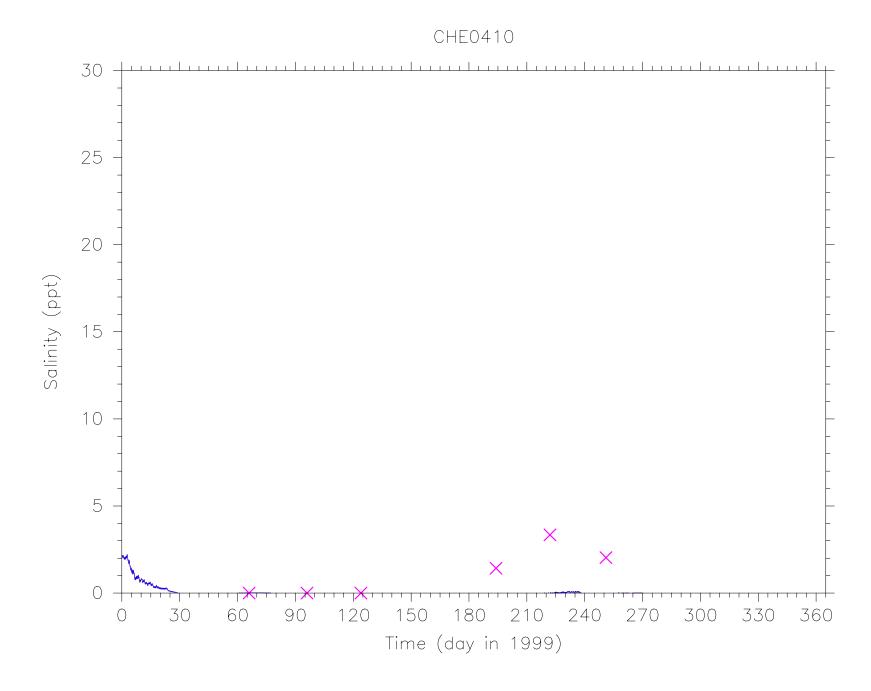


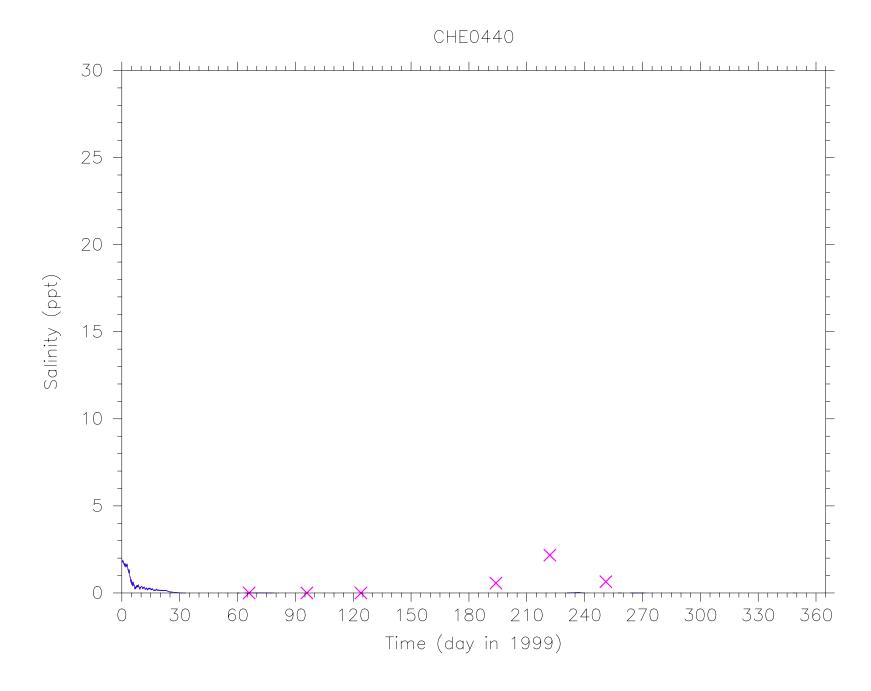


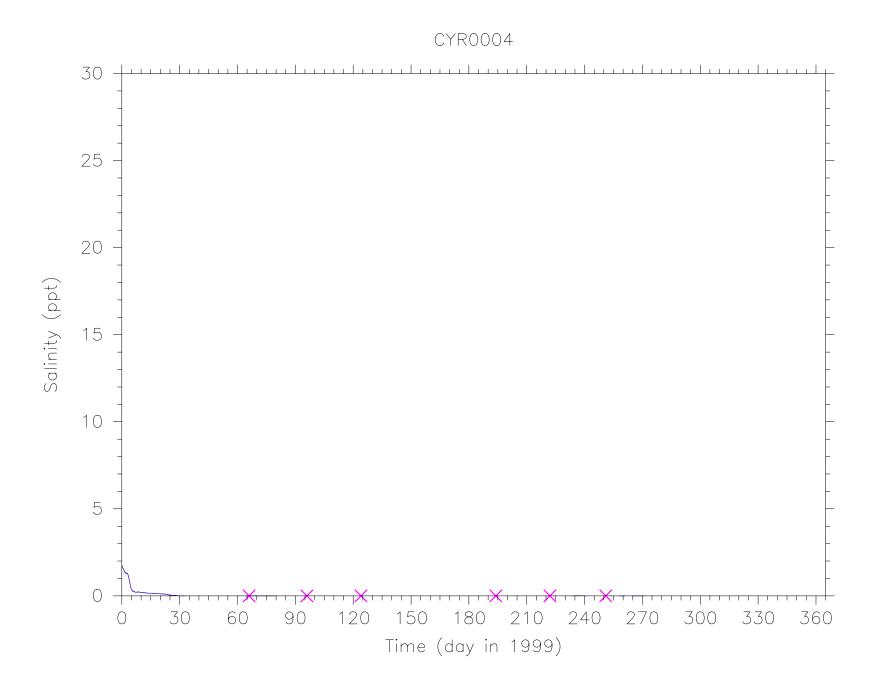


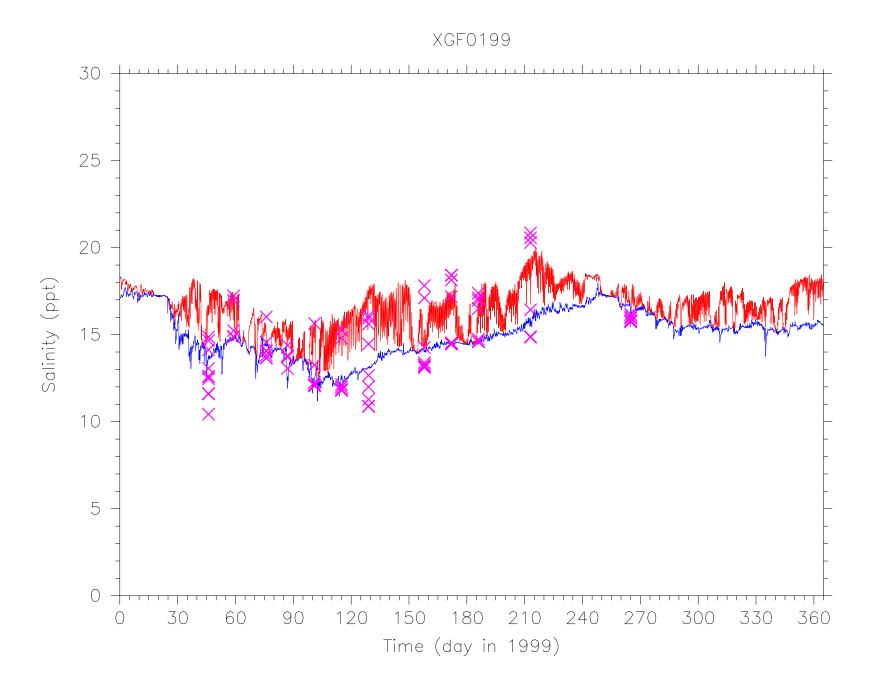


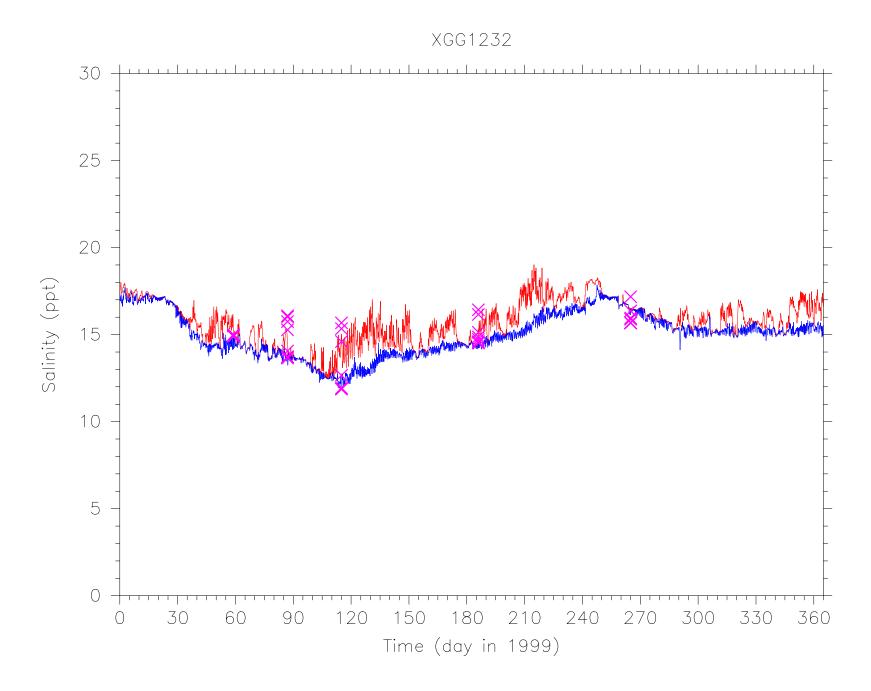


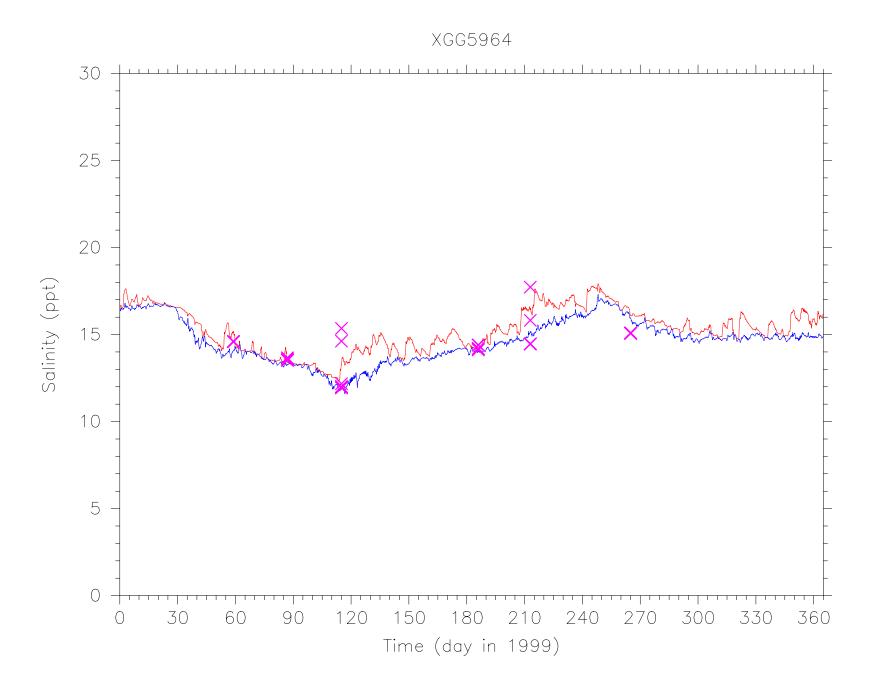


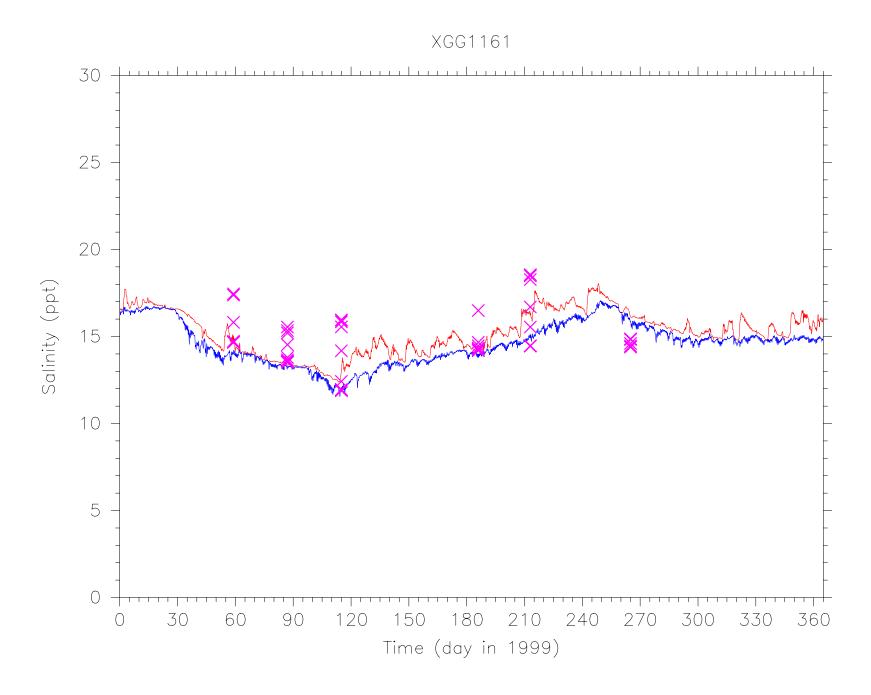


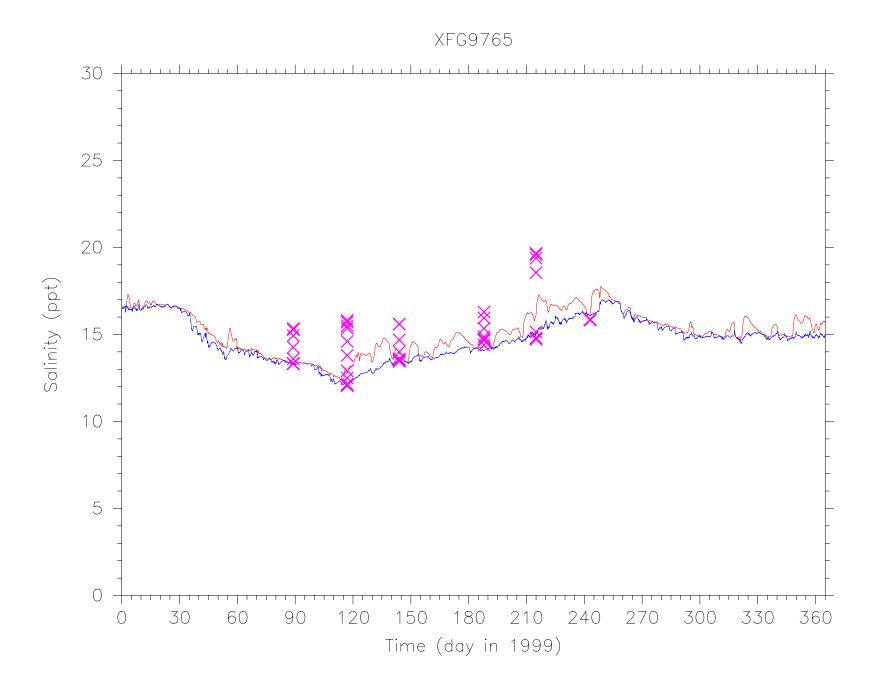


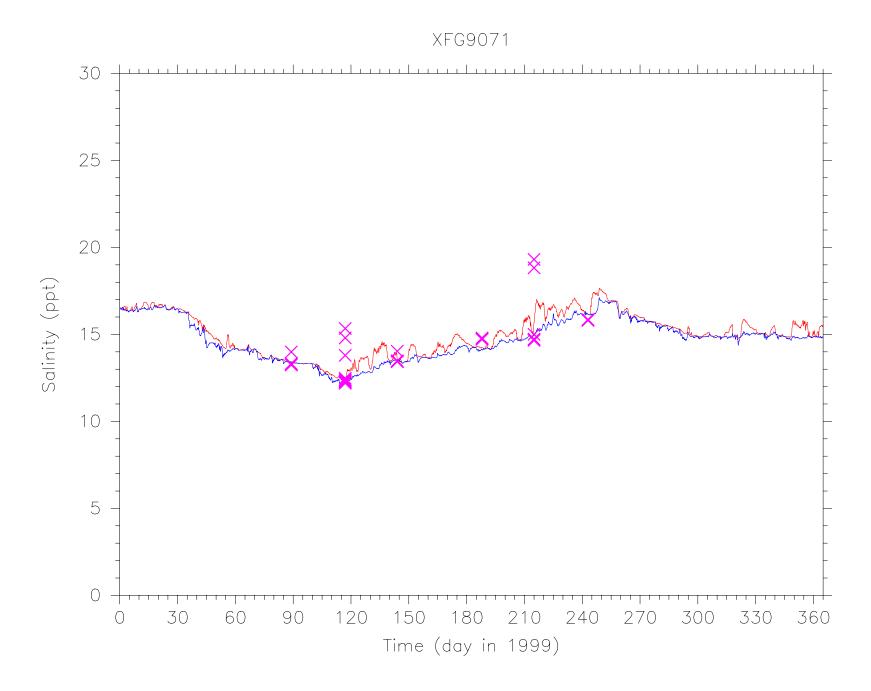


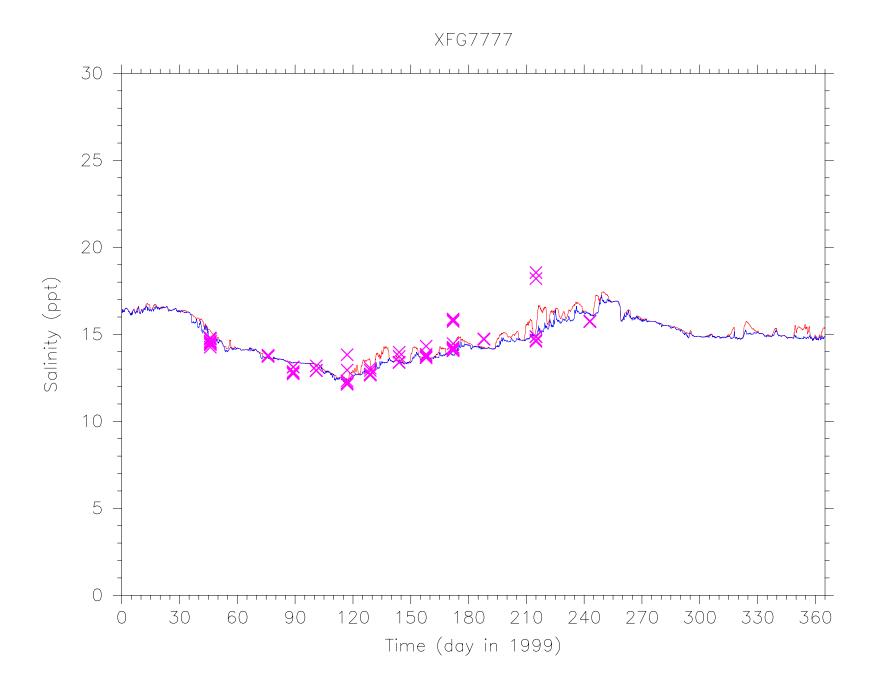


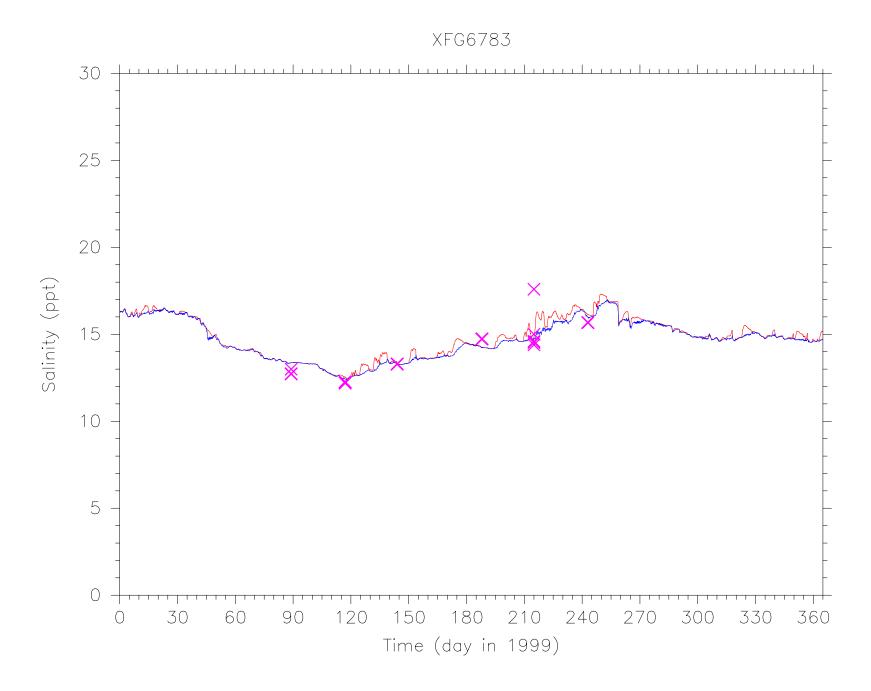


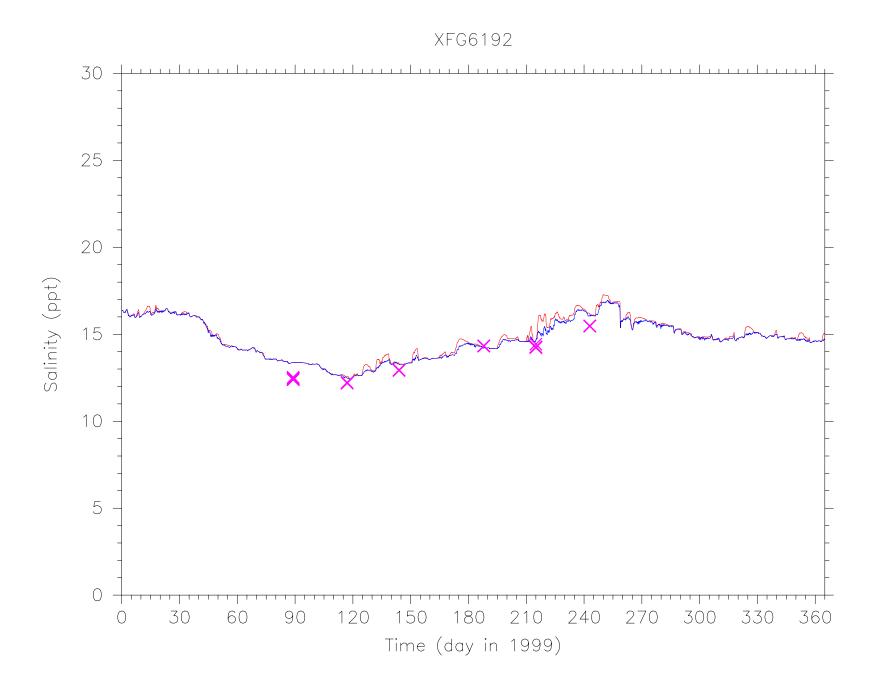


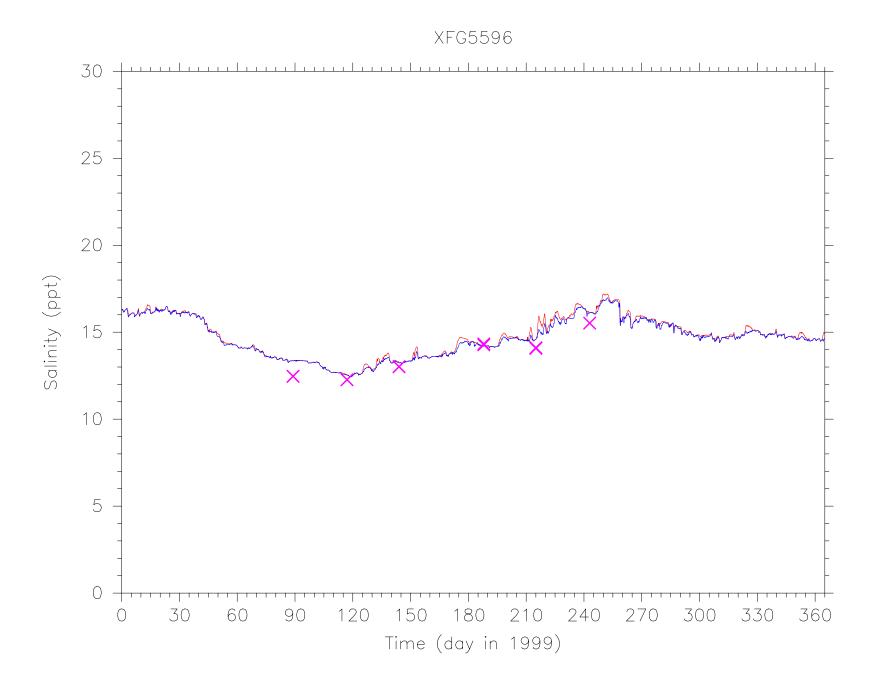


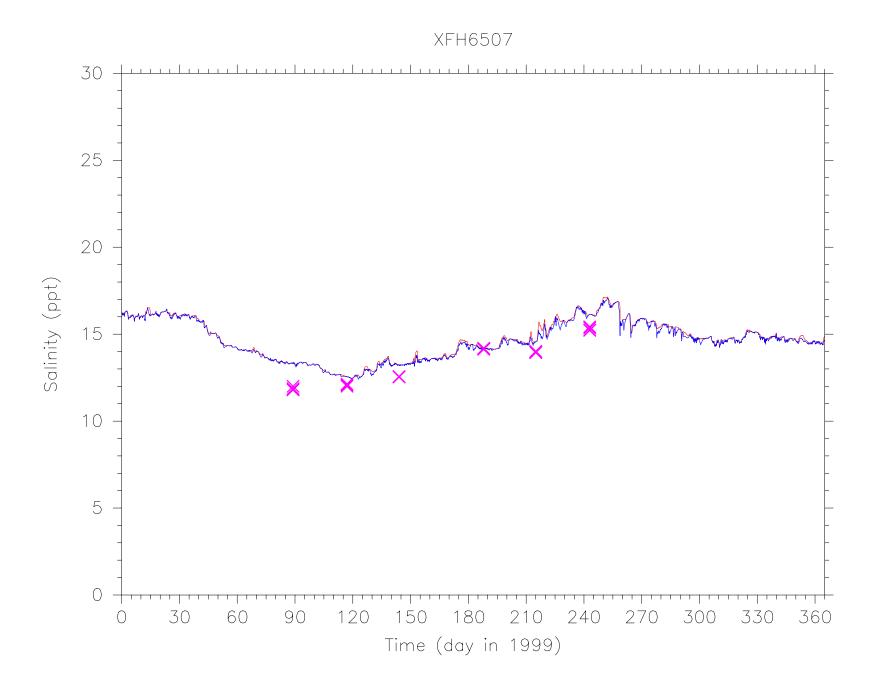


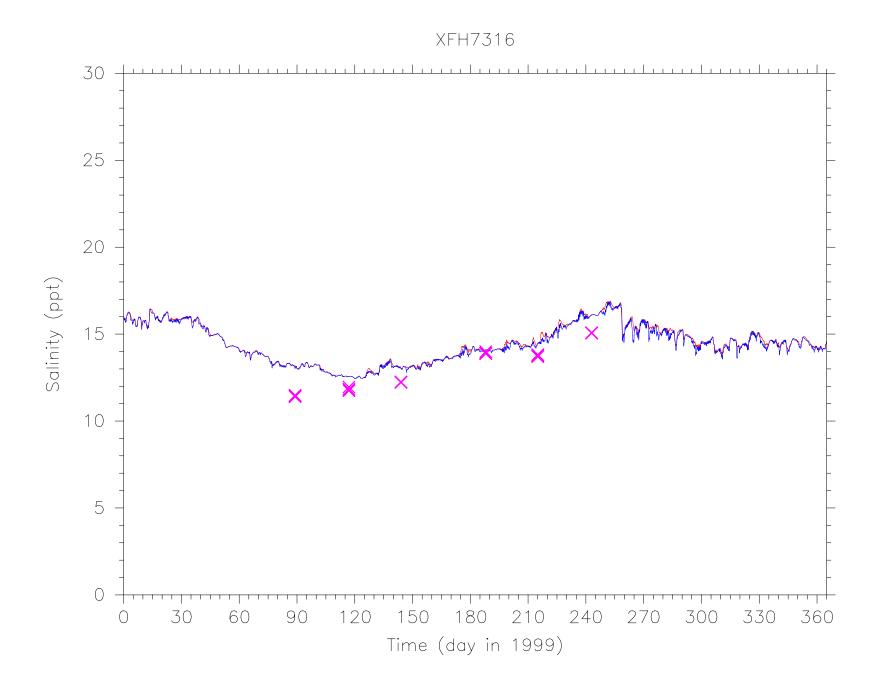


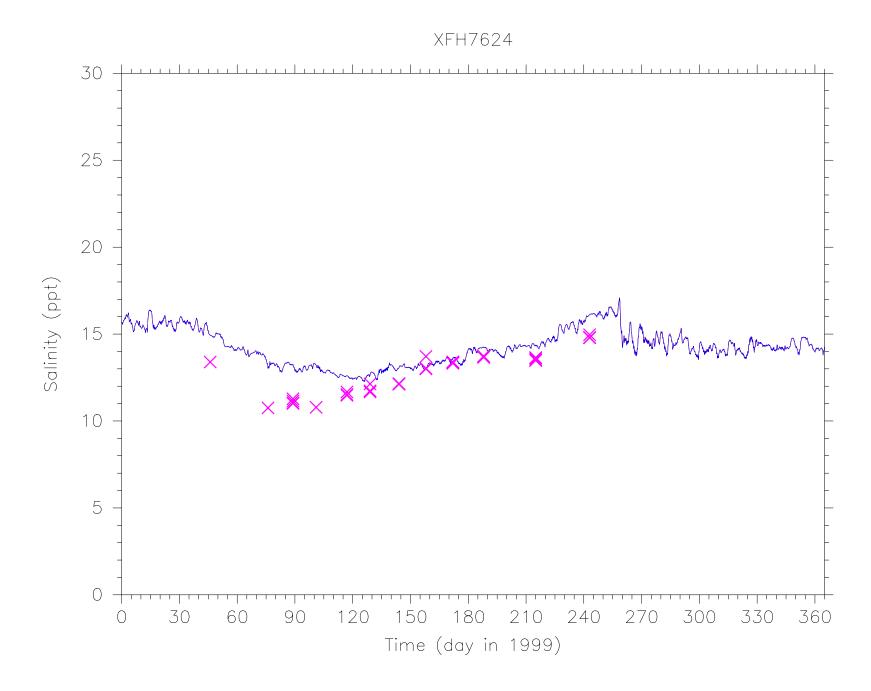


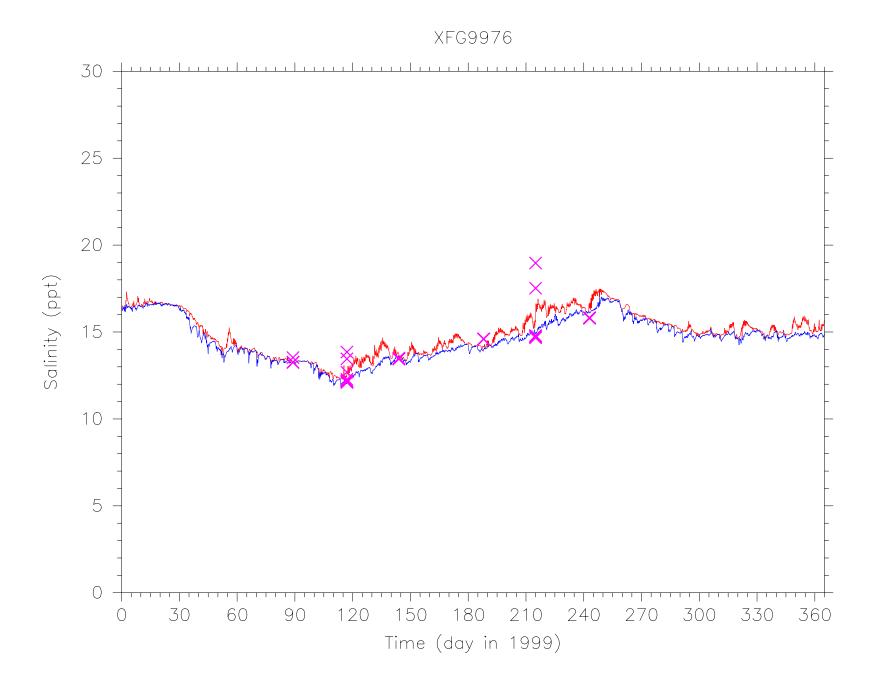


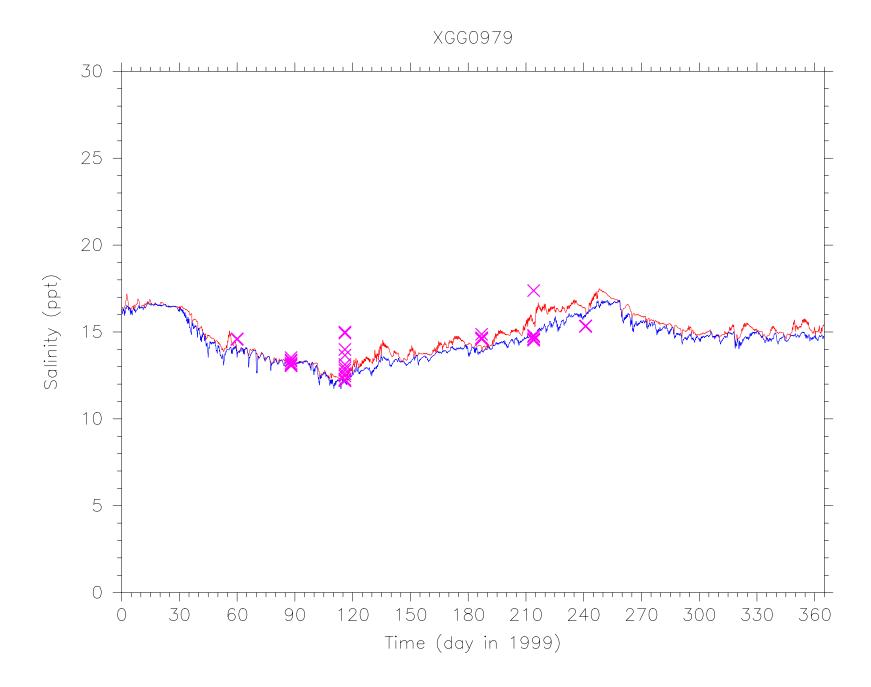


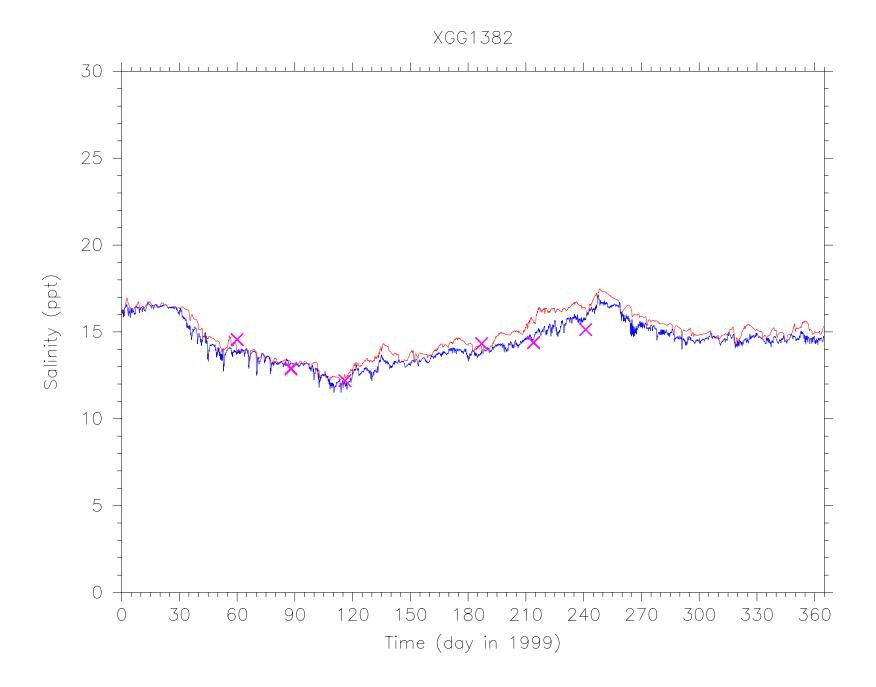


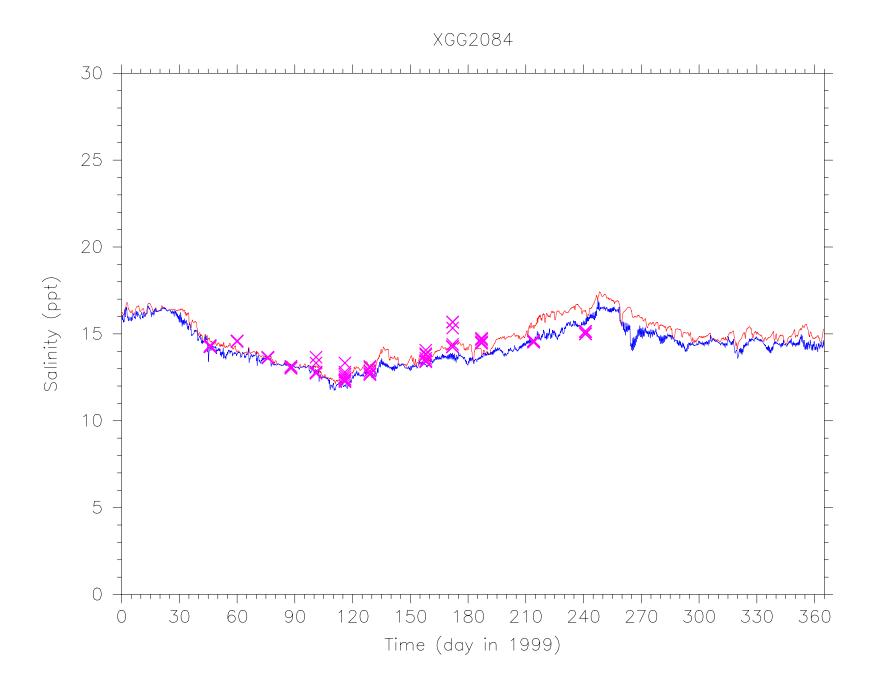


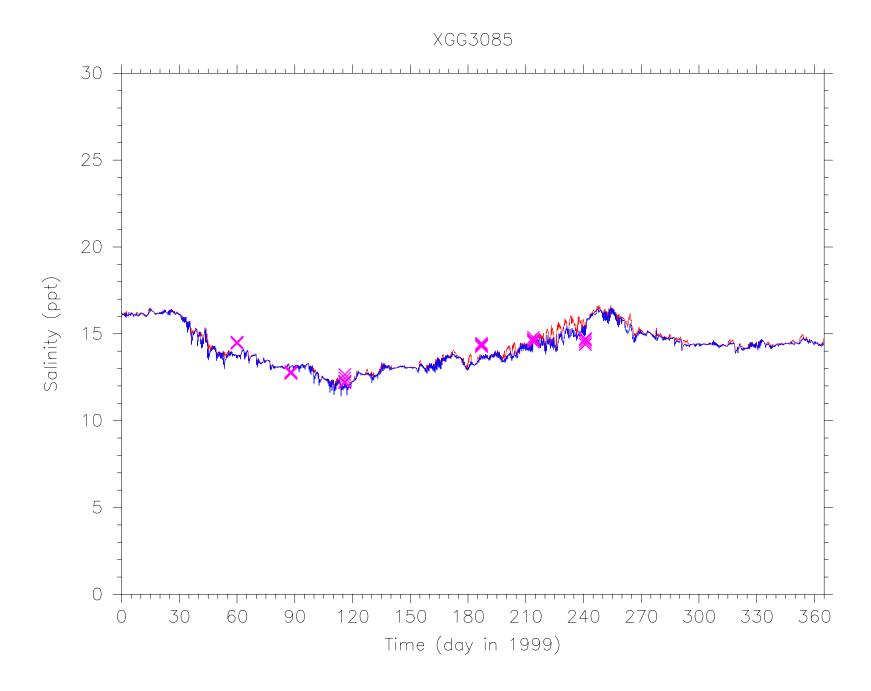


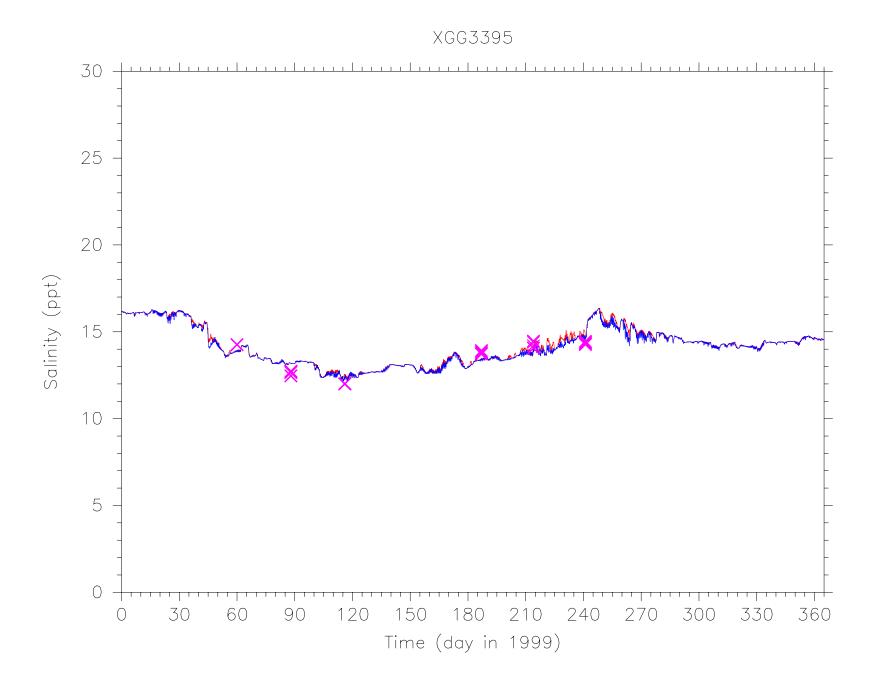


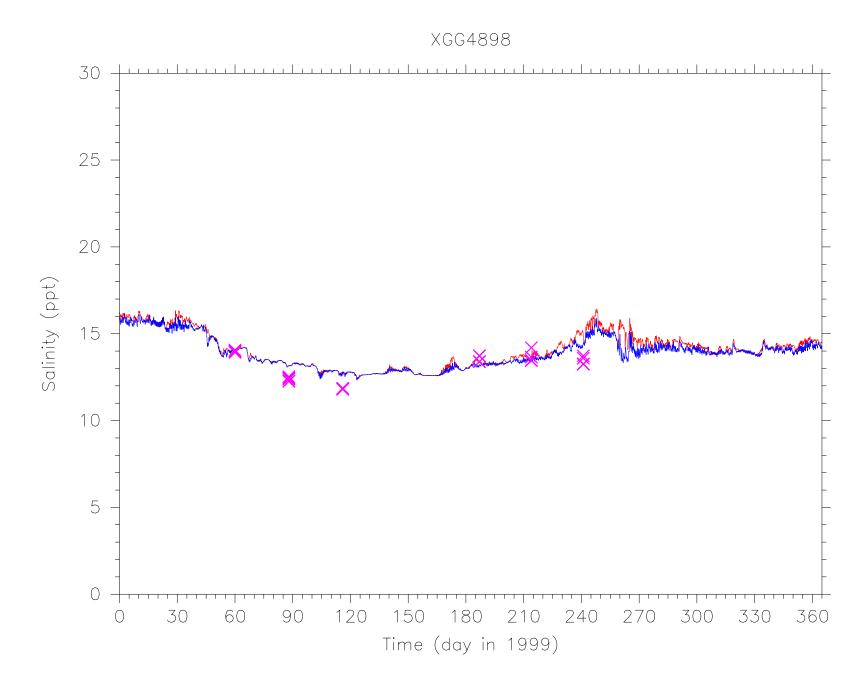


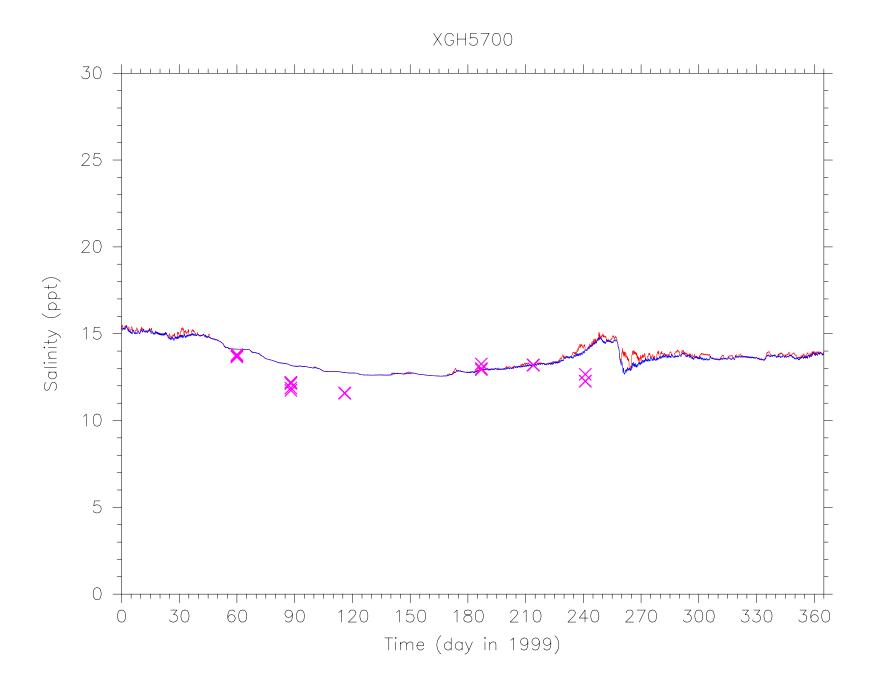


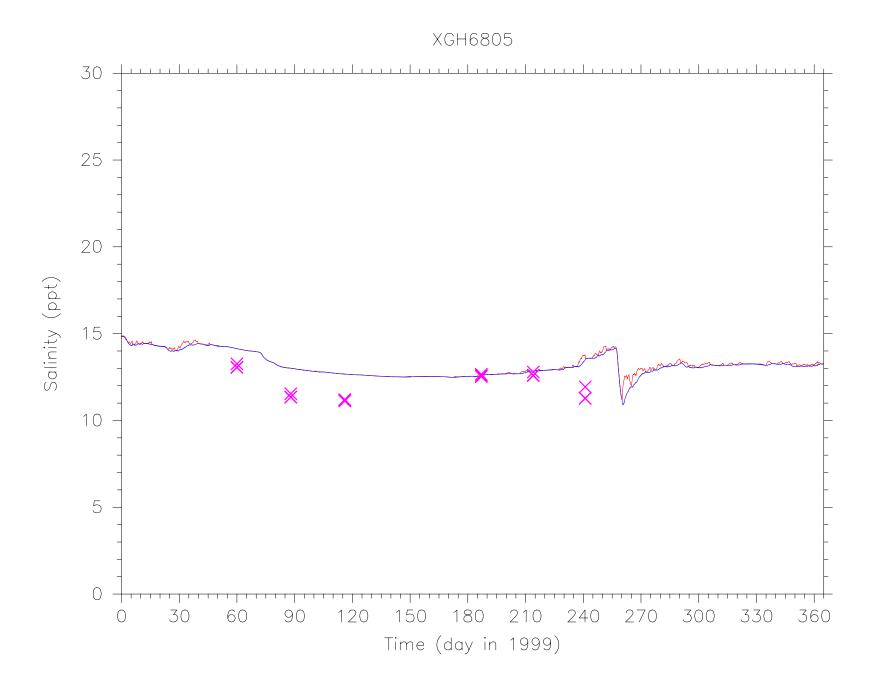


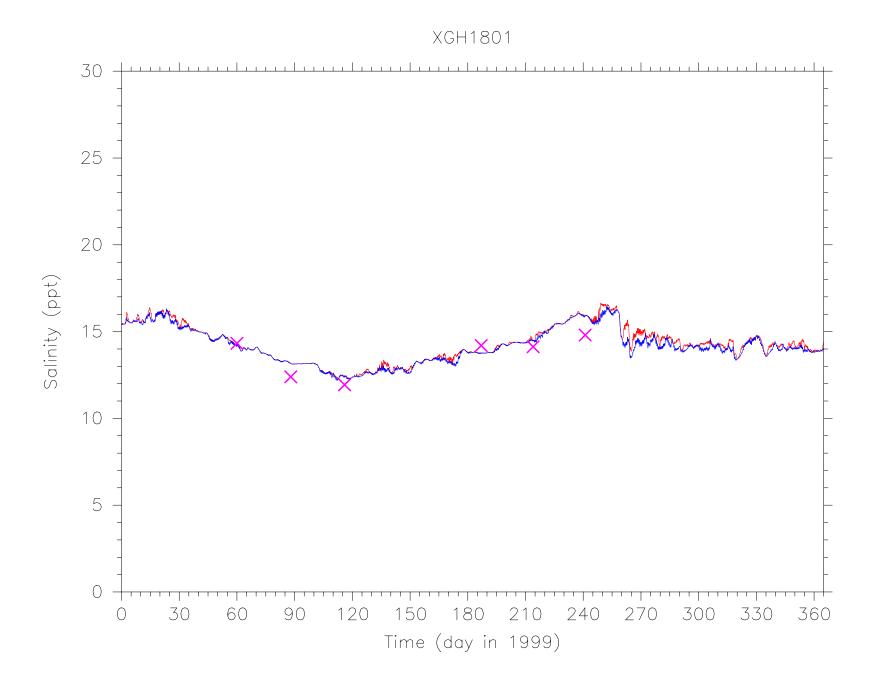


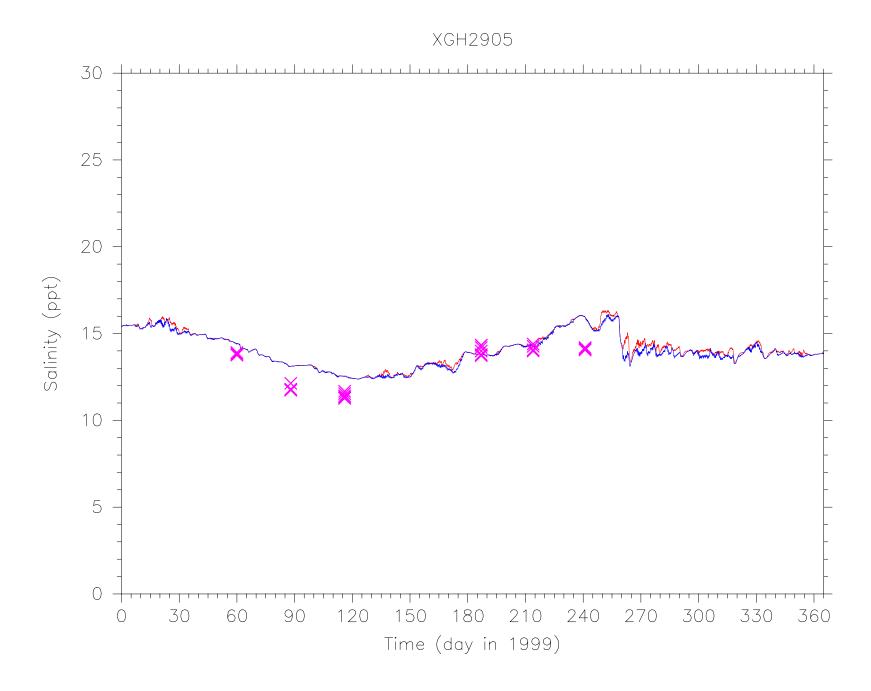


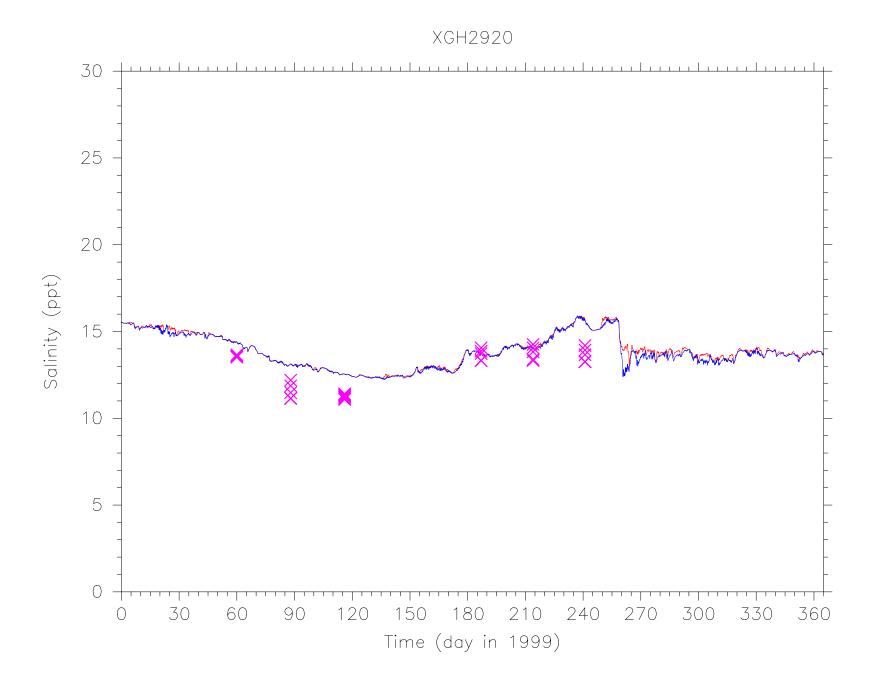


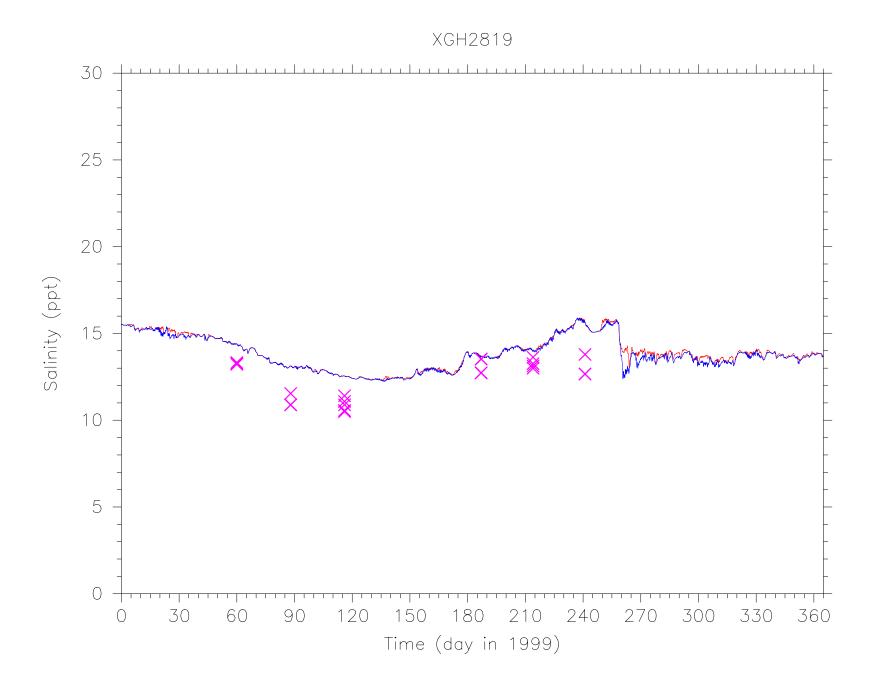


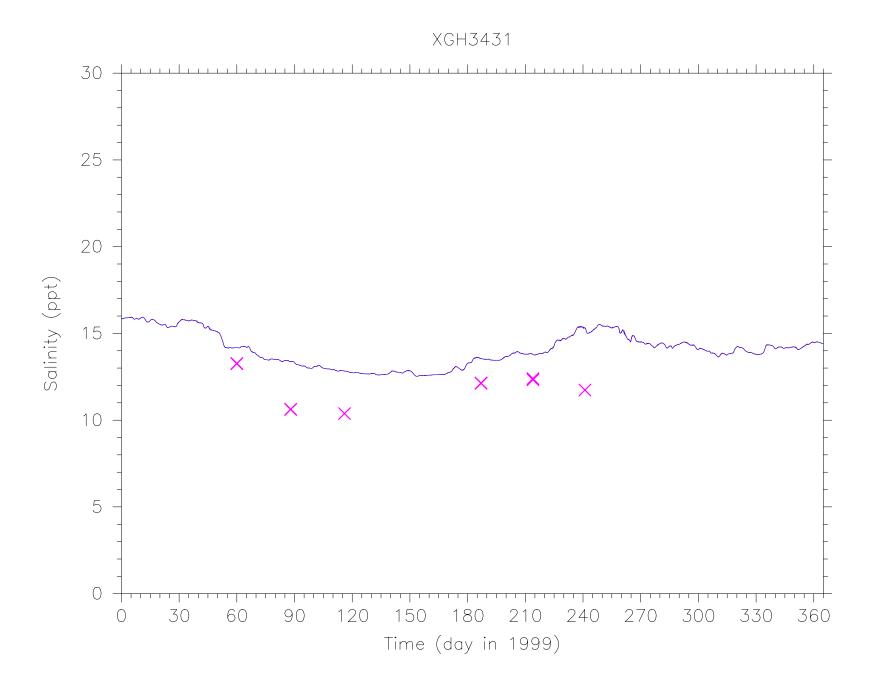


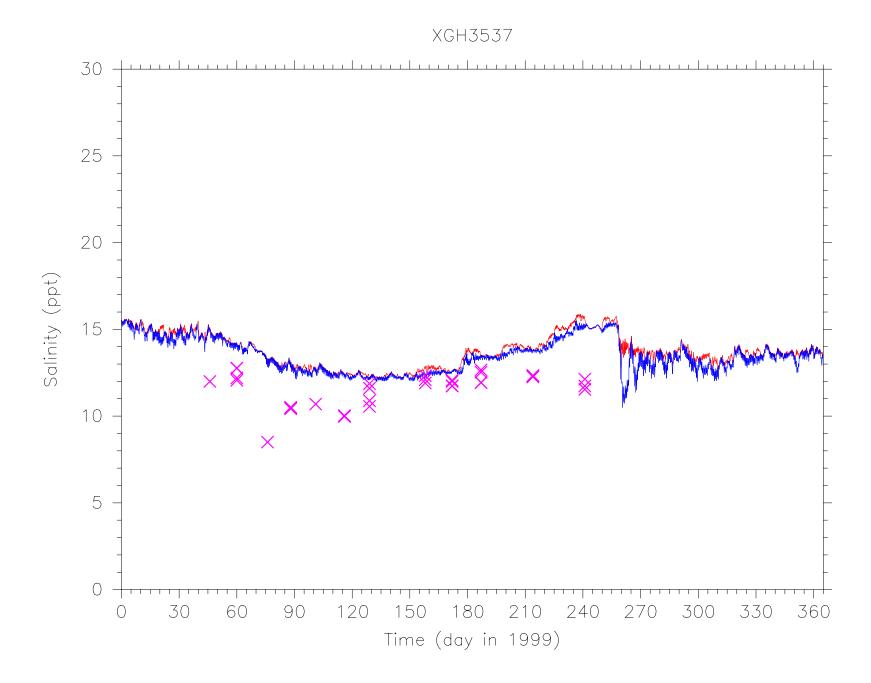


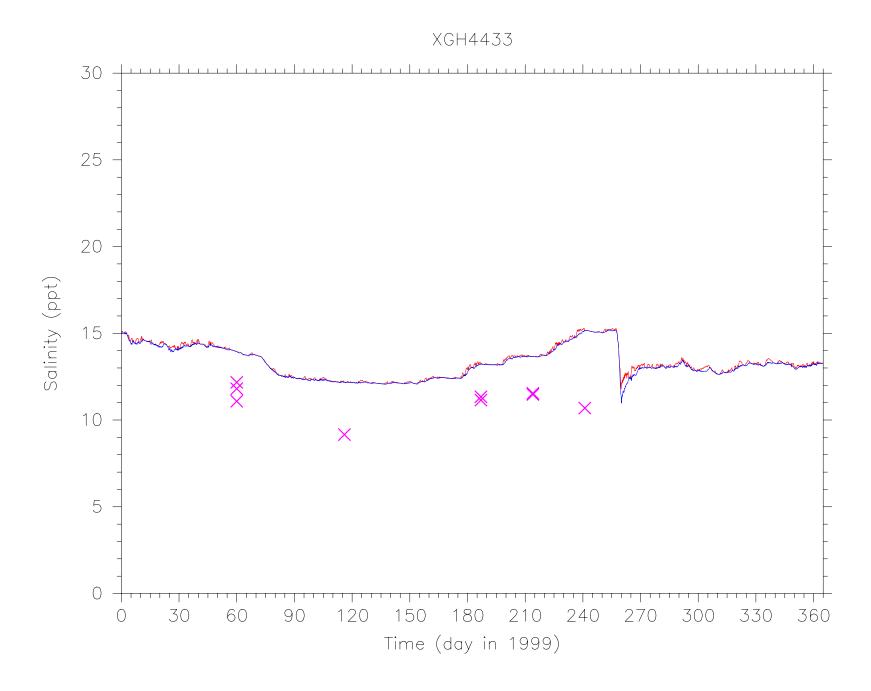


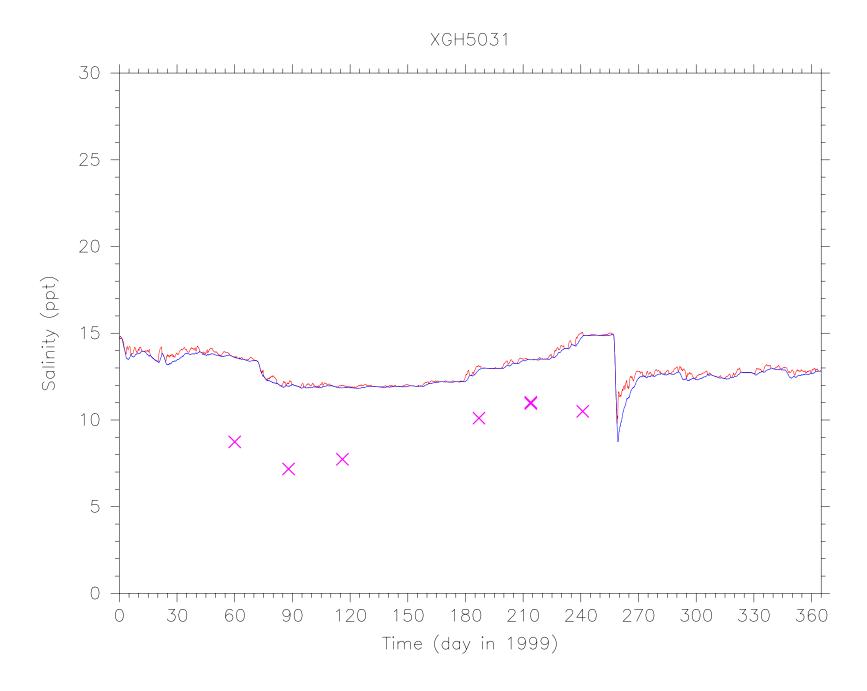


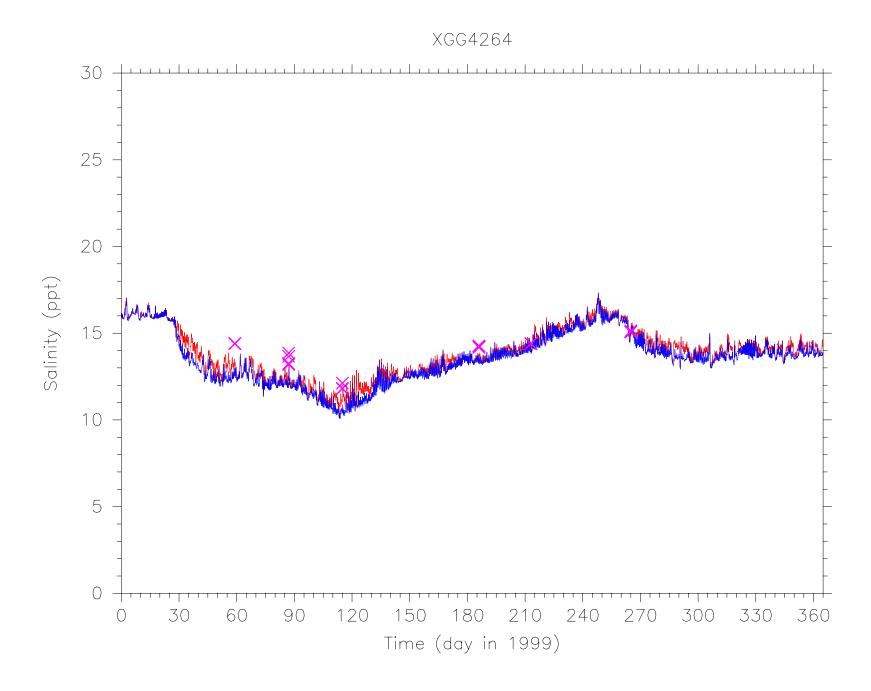


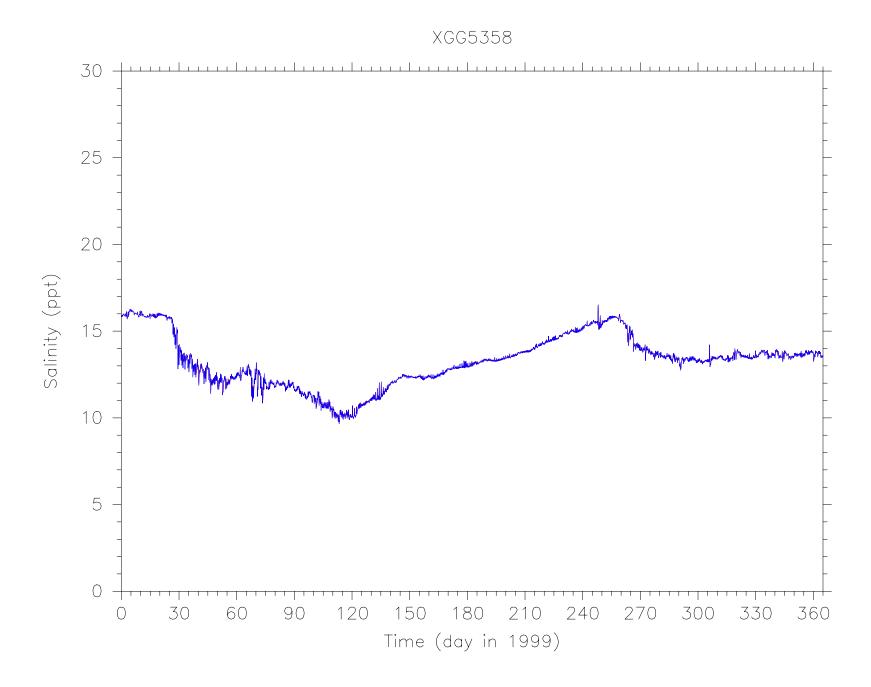


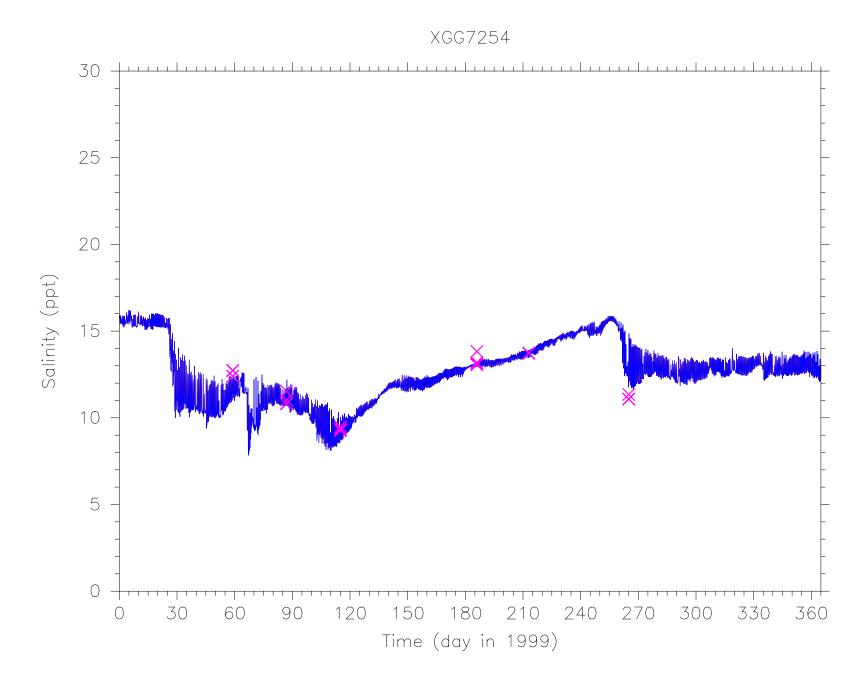


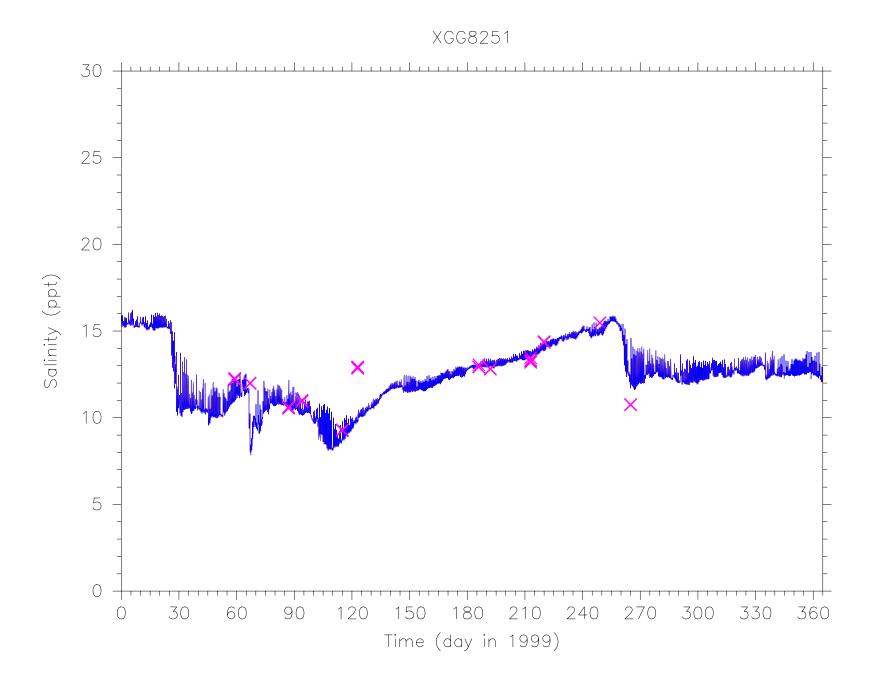












## **Appendix 4-F**

Longitudinal distribution of surface (red) and bottom (blue) salinity during each intensive survey period in the Chester system. Four major river axes were shown: Chester River, Miles River, Wye River, and Wye East River. Dotted lines represent maximum and minimum values during the period.

