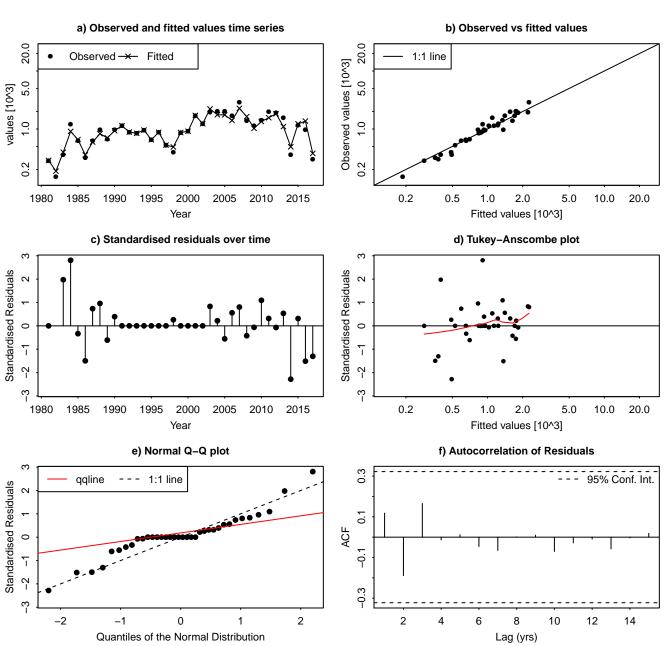
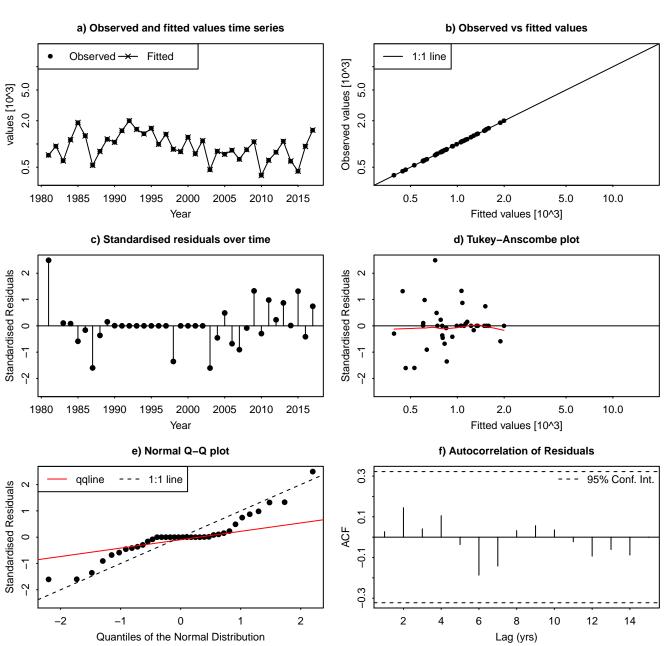
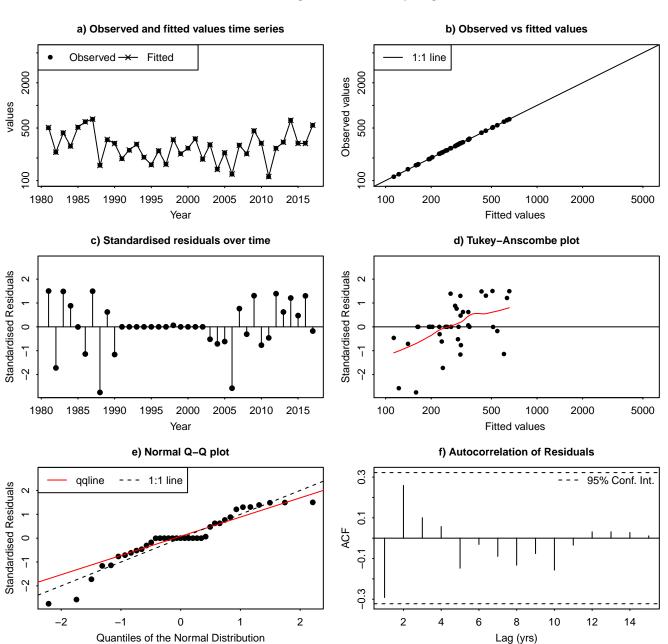


#### Turbot in IV Diagnostics – catch unique, age 2

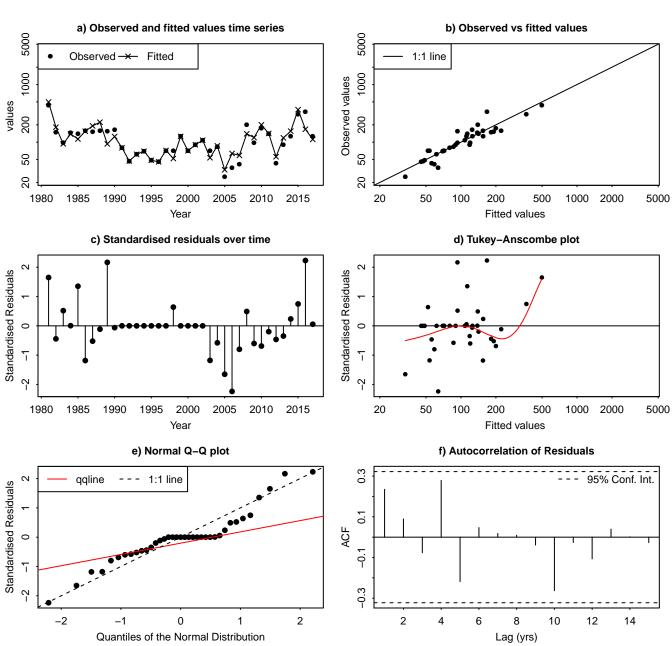


Turbot in IV Diagnostics – catch unique, age 3

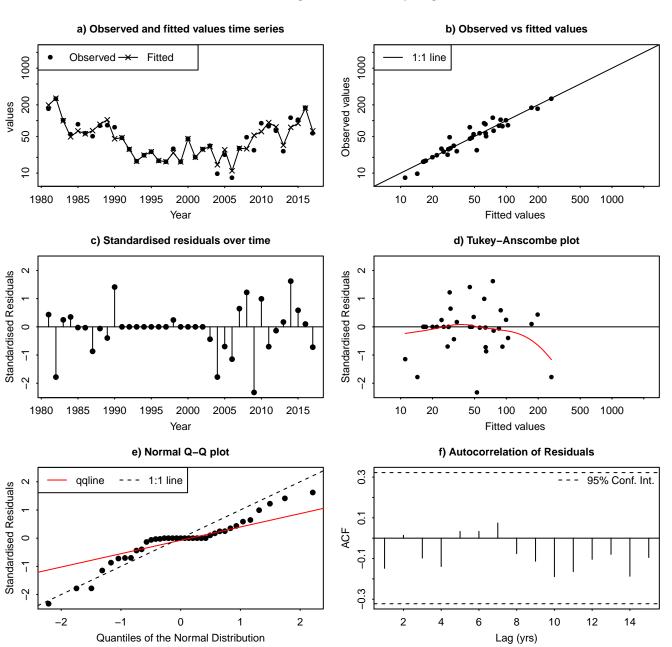




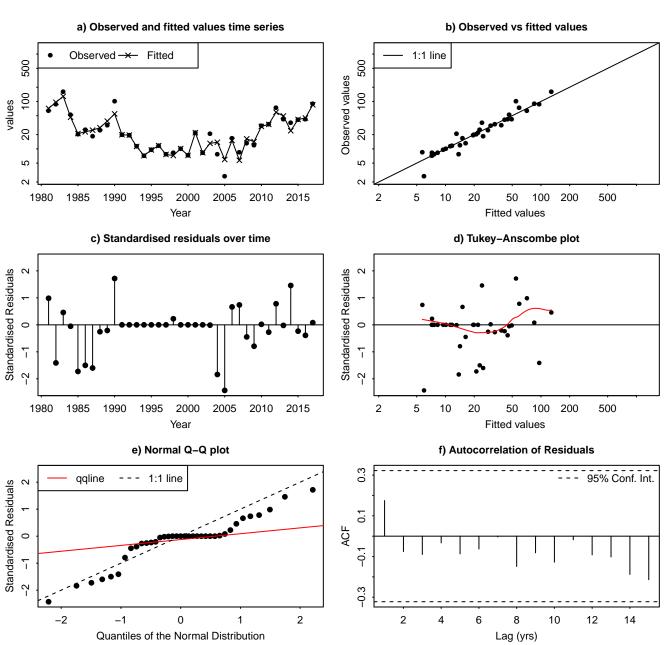
Turbot in IV Diagnostics – catch unique, age 5

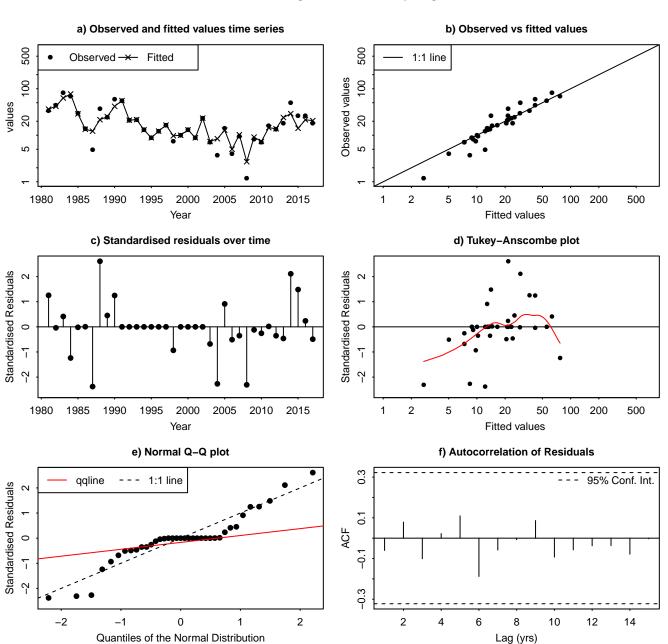


Turbot in IV Diagnostics - catch unique, age 6

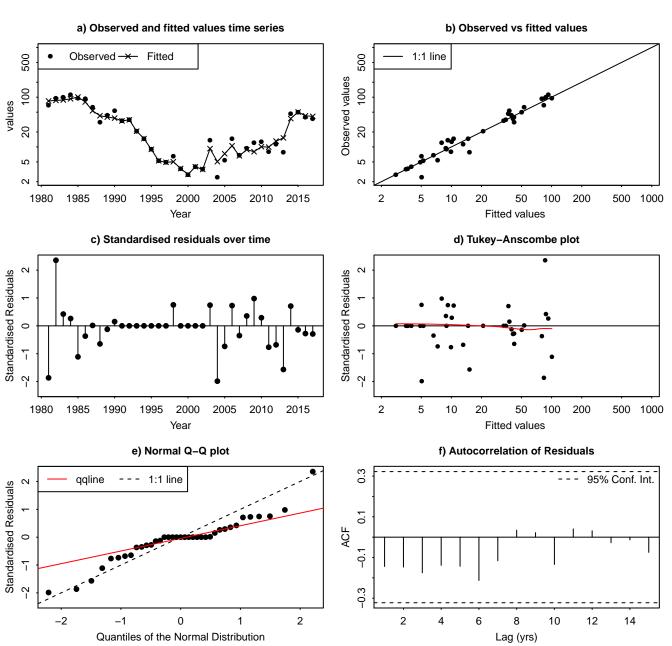


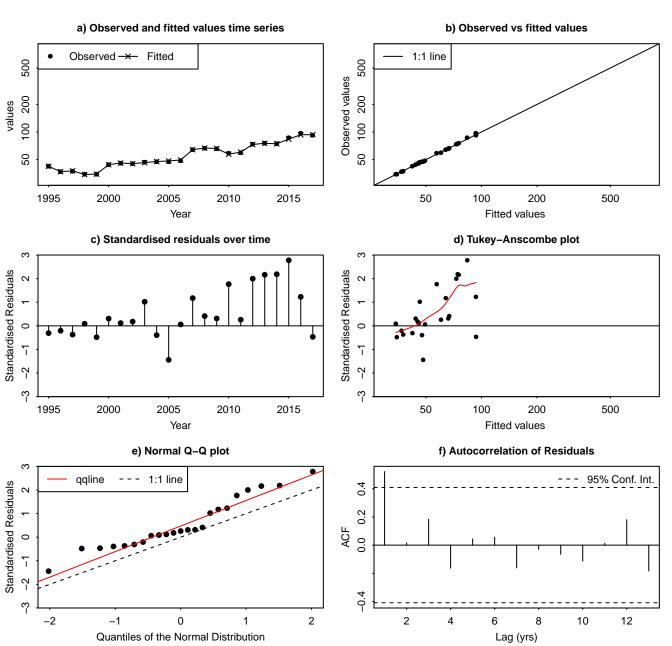
Turbot in IV Diagnostics – catch unique, age 7

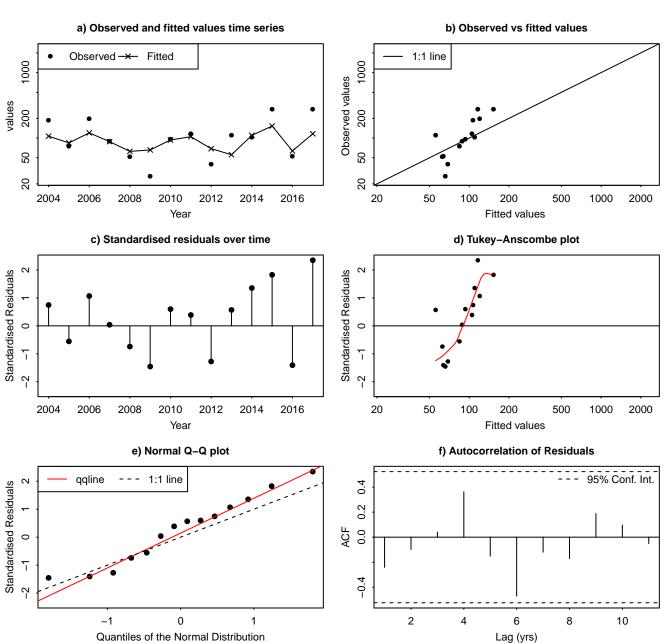


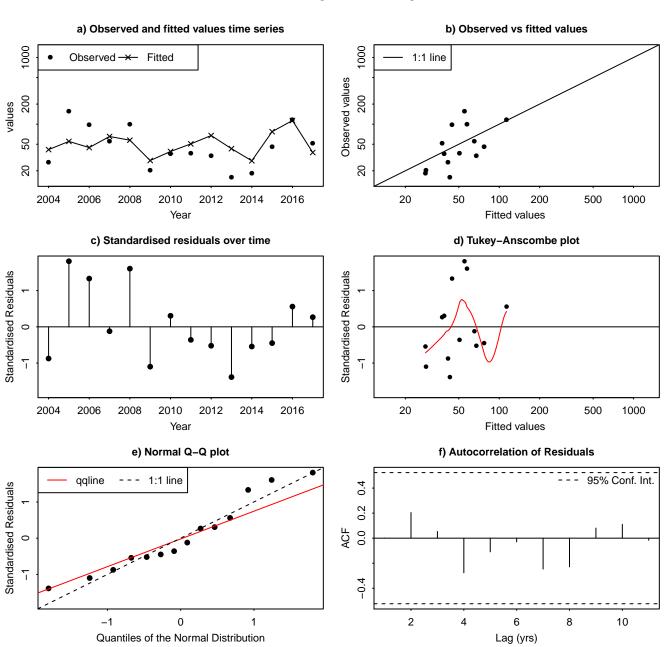


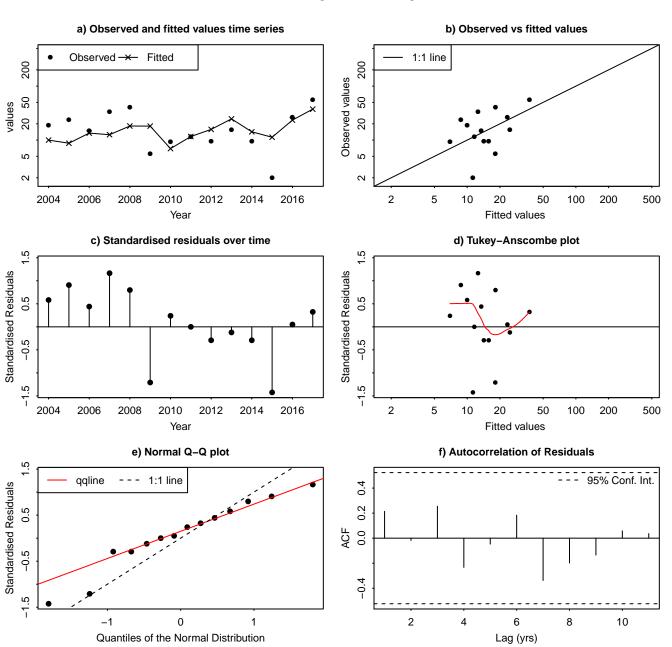
Turbot in IV Diagnostics - catch unique, age 9

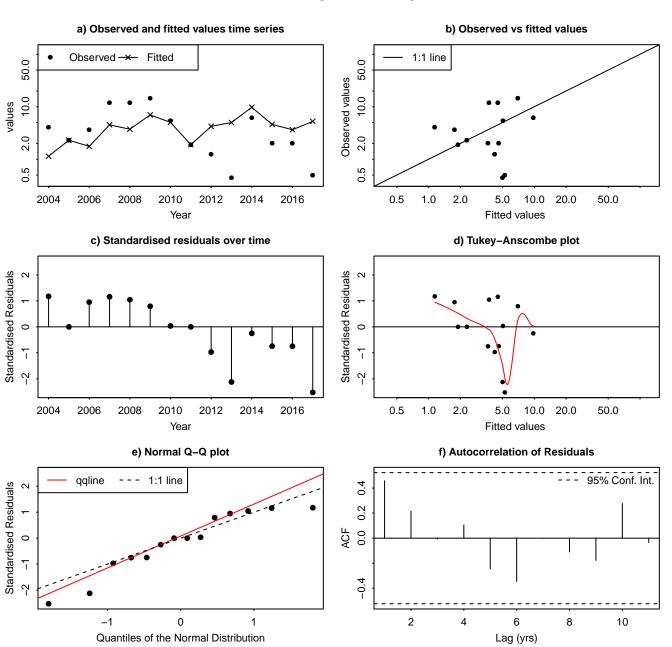


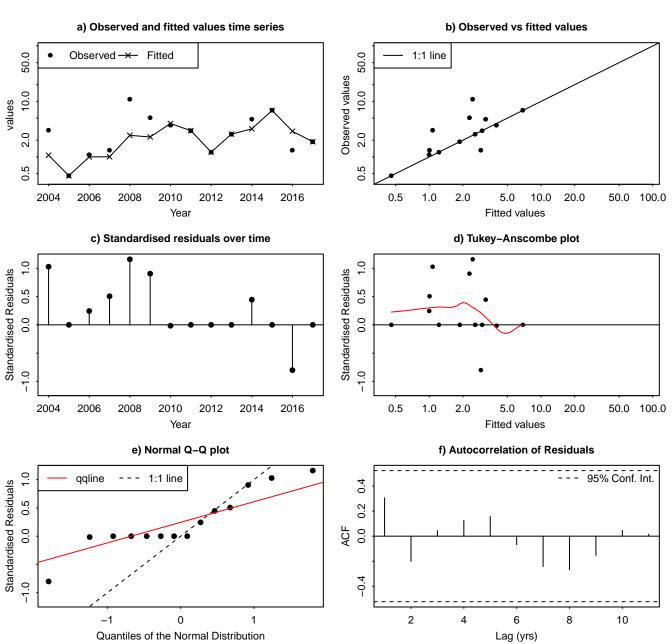


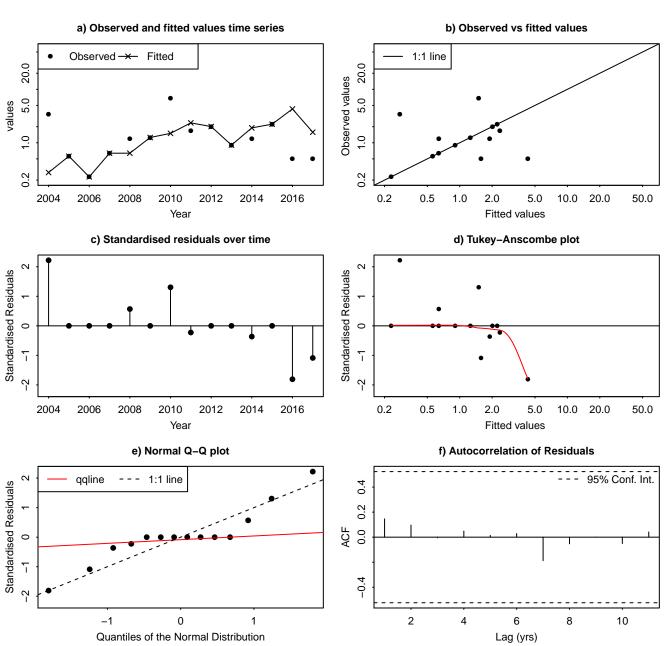




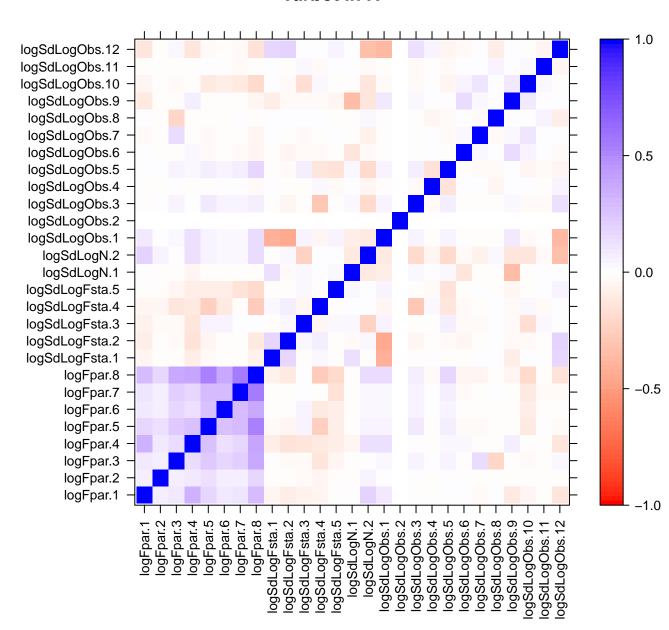




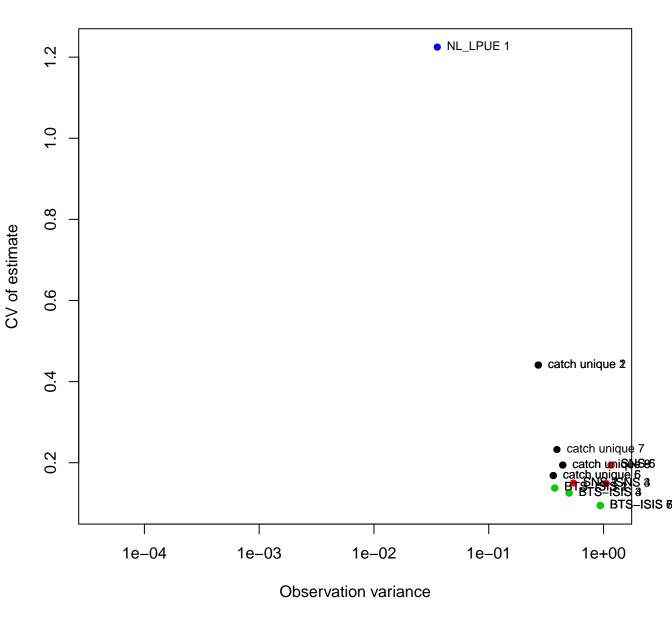




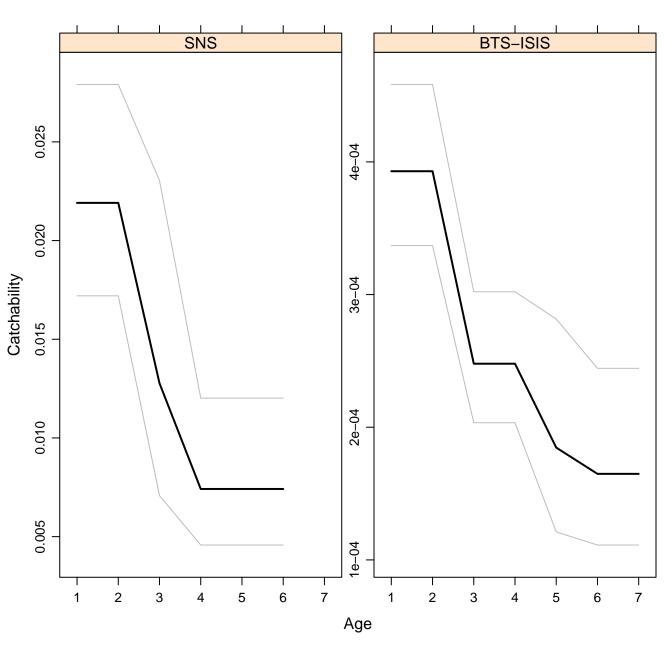
#### **Turbot in IV**



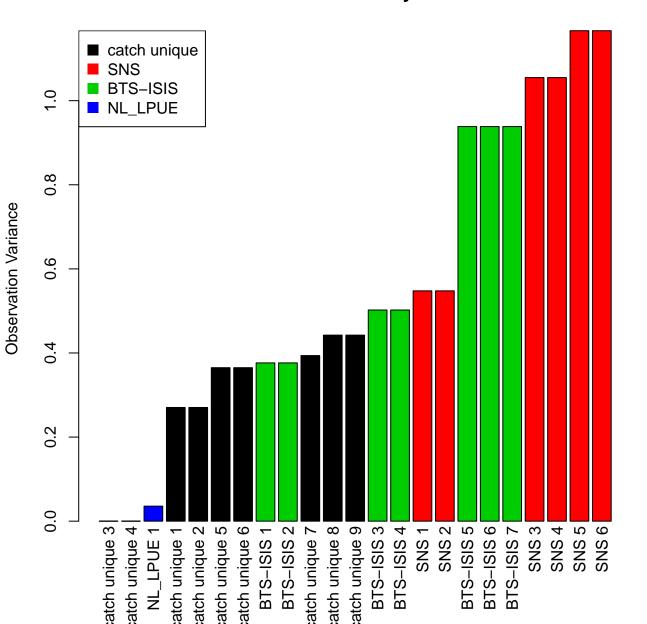
#### **Observation variance vs uncertainty**



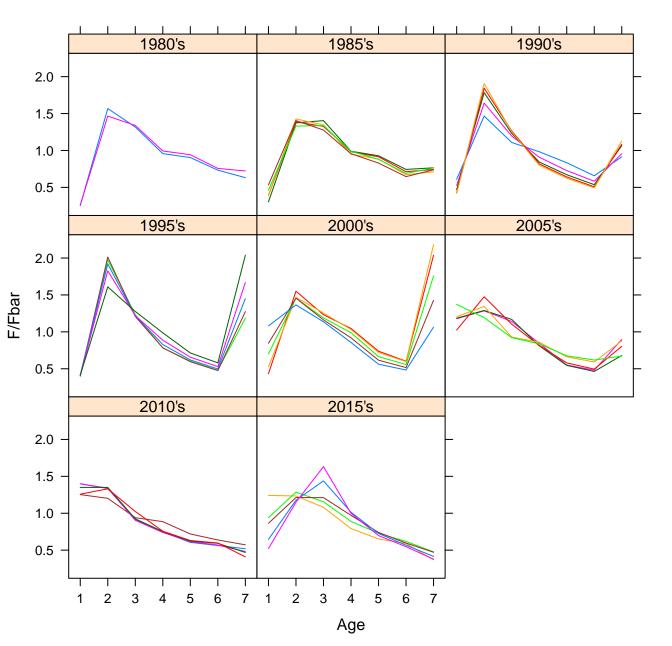
Survey catchability parameters



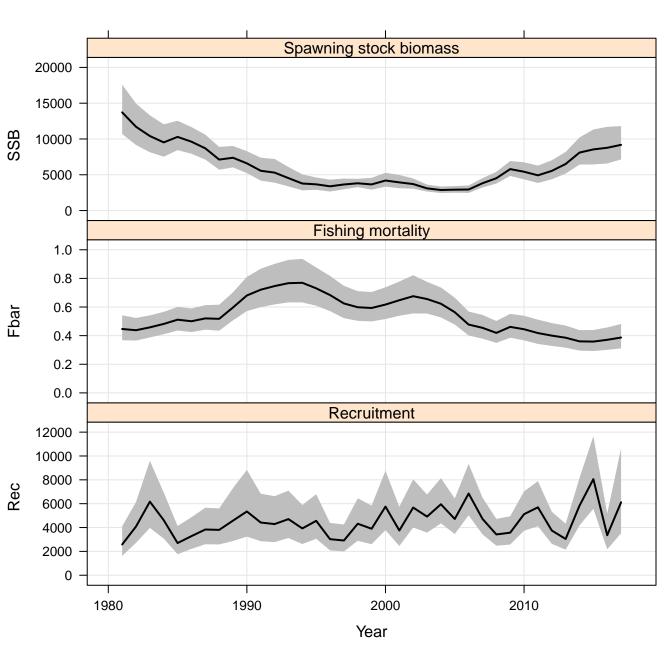
#### Observation variances by data source



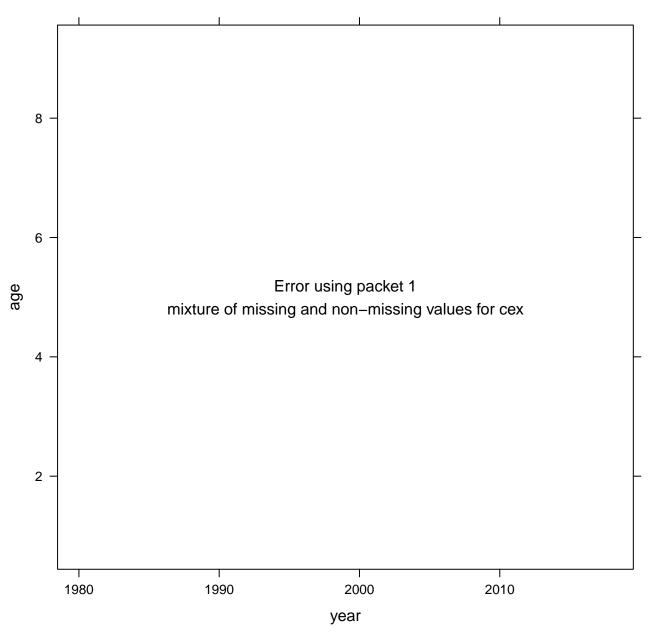
# Selectivity of the Fishery by Pentad



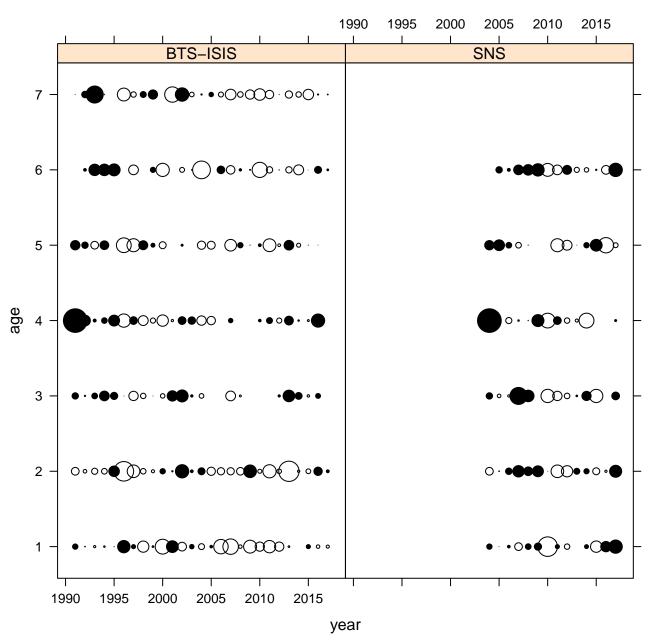
**Turbot in IV** 

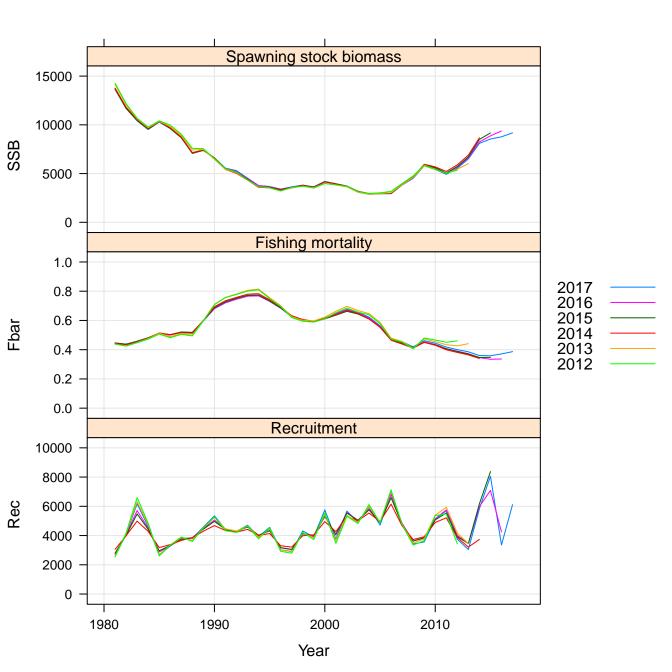


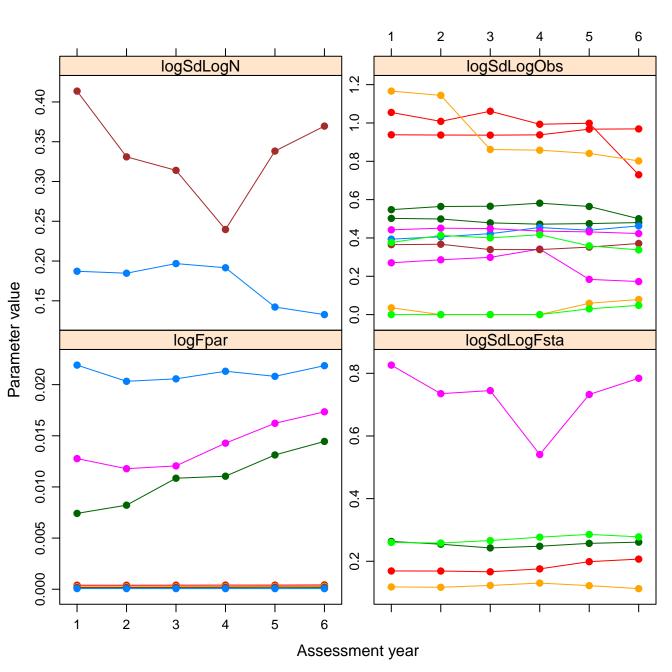
# Residuals by year Catch

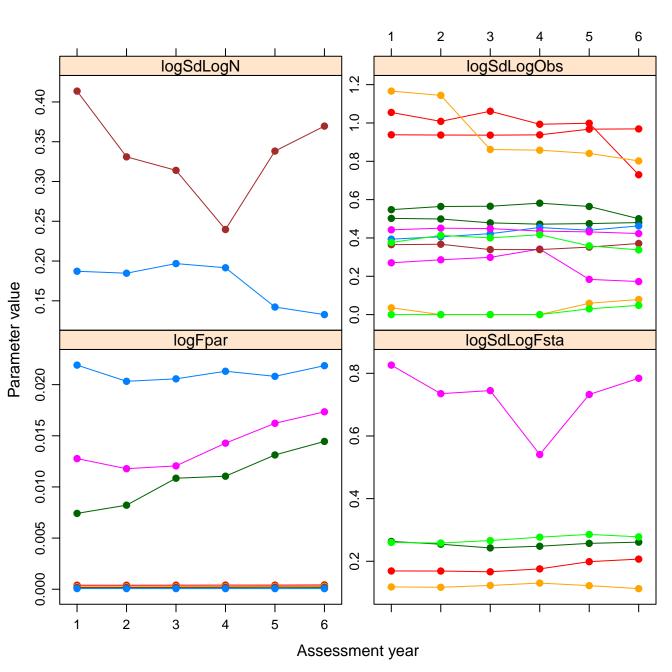


# Residuals by survey

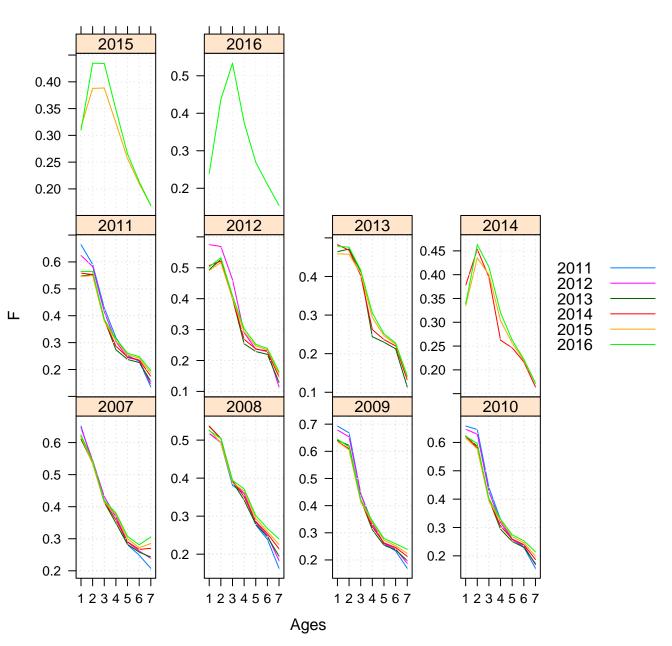








# Retrospective pattern in F at age



# Retrospective pattern in F at age

