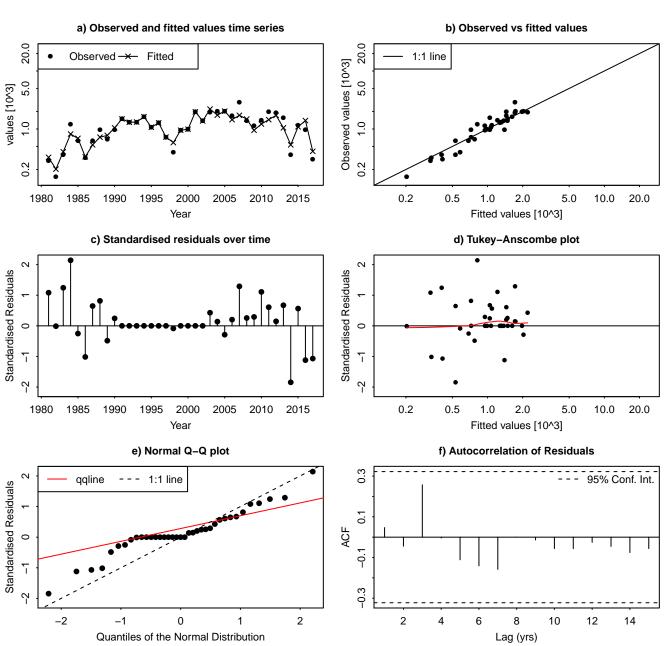
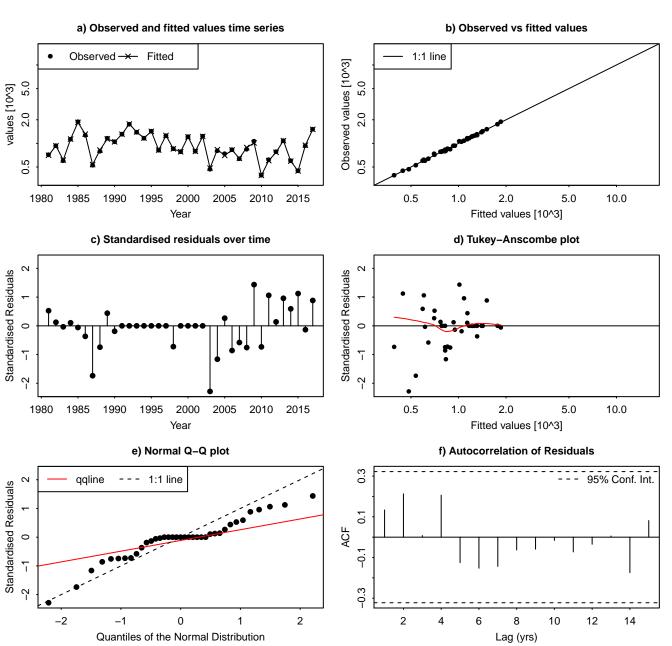
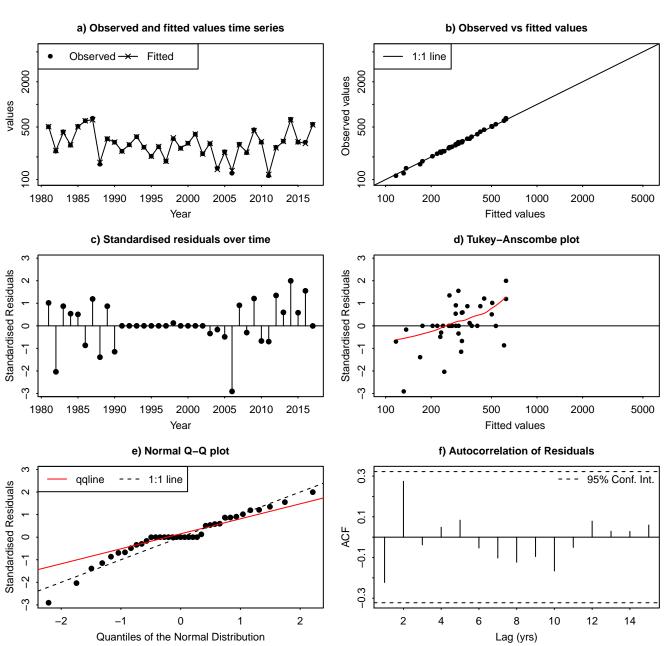


Turbot in IV Diagnostics – catch unique, age 2

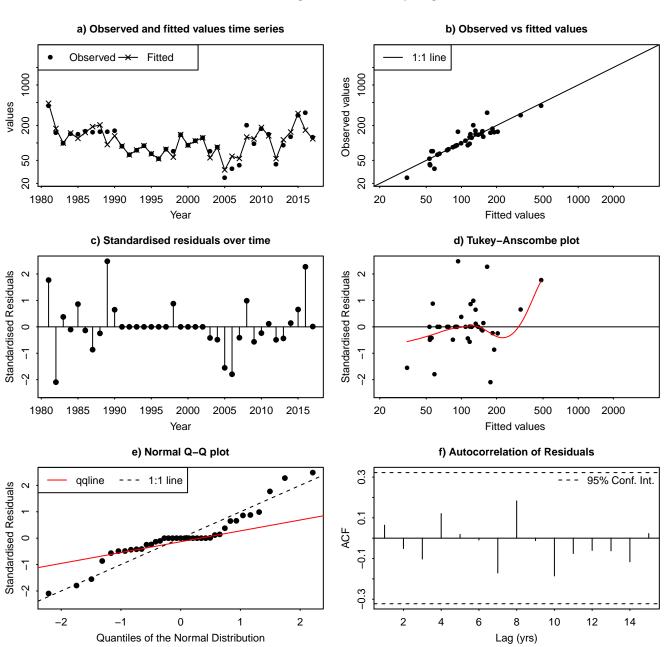


Turbot in IV Diagnostics – catch unique, age 3

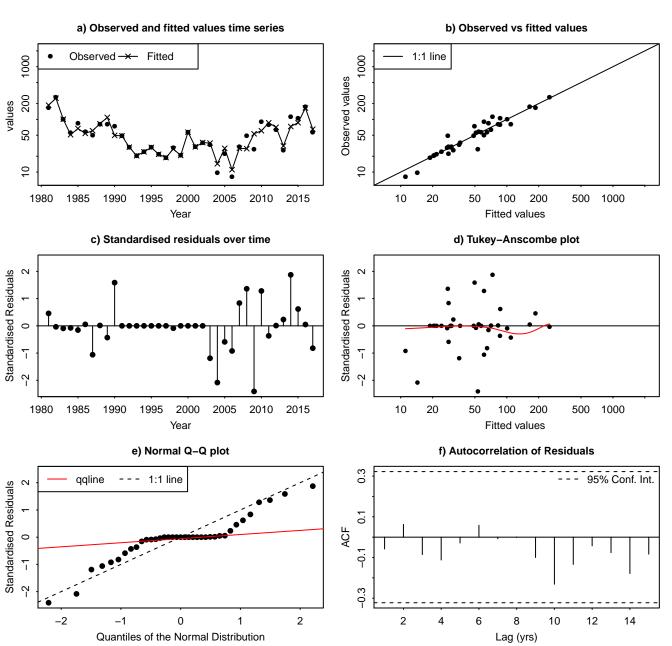




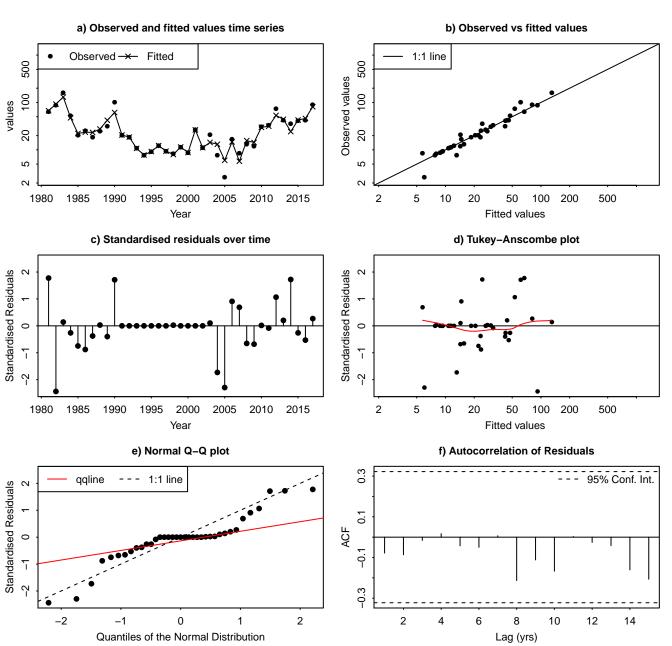
Turbot in IV Diagnostics - catch unique, age 5

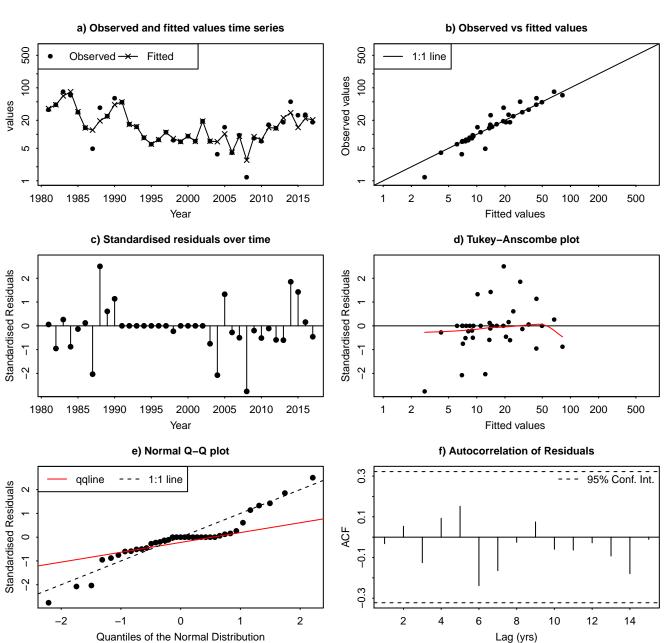


Turbot in IV Diagnostics - catch unique, age 6

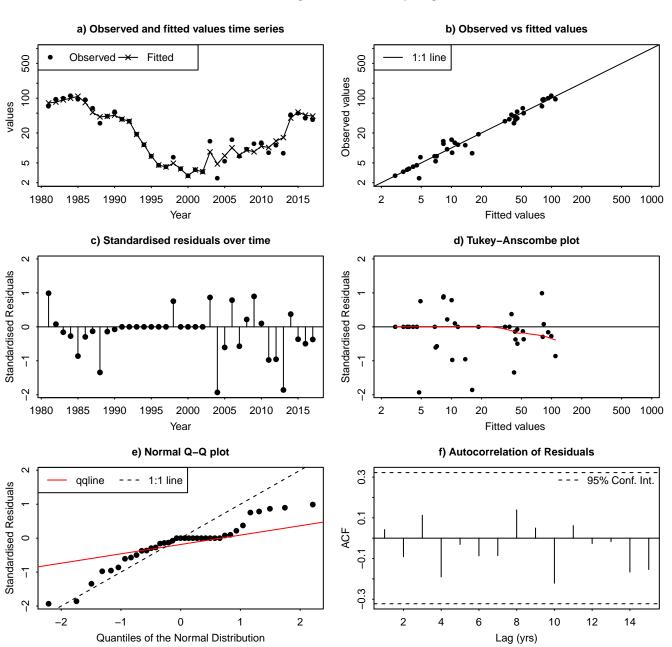


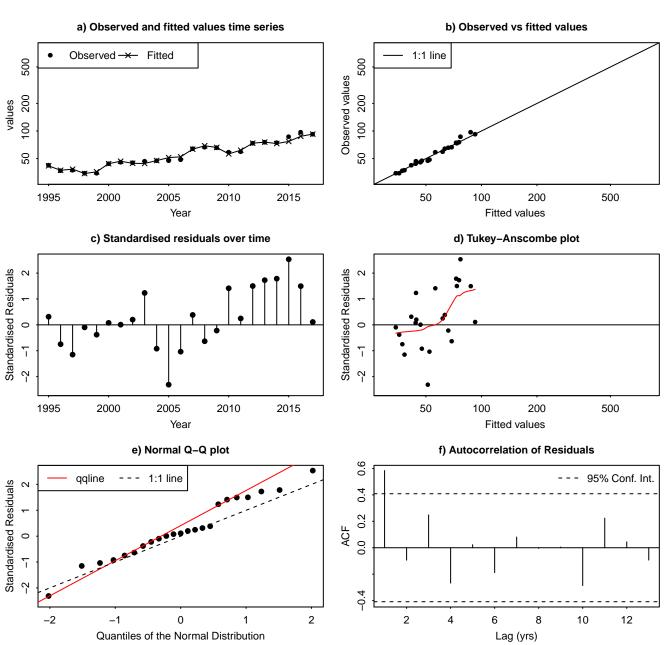
Turbot in IV Diagnostics – catch unique, age 7

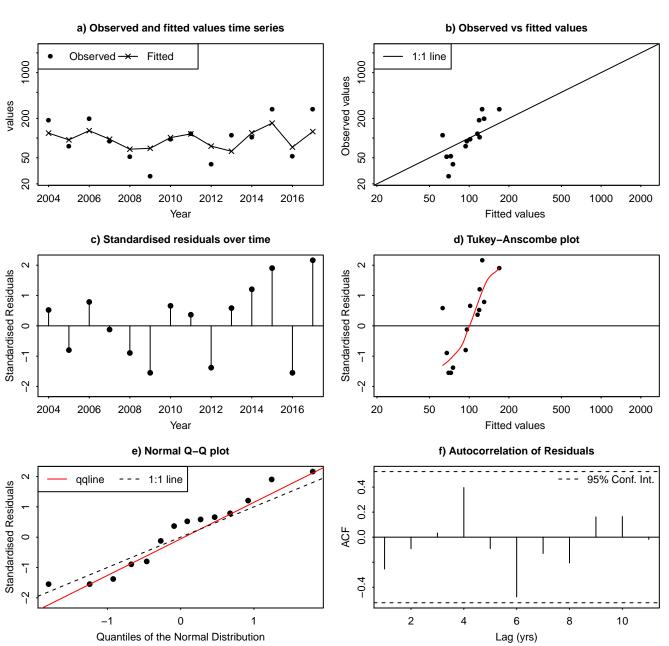


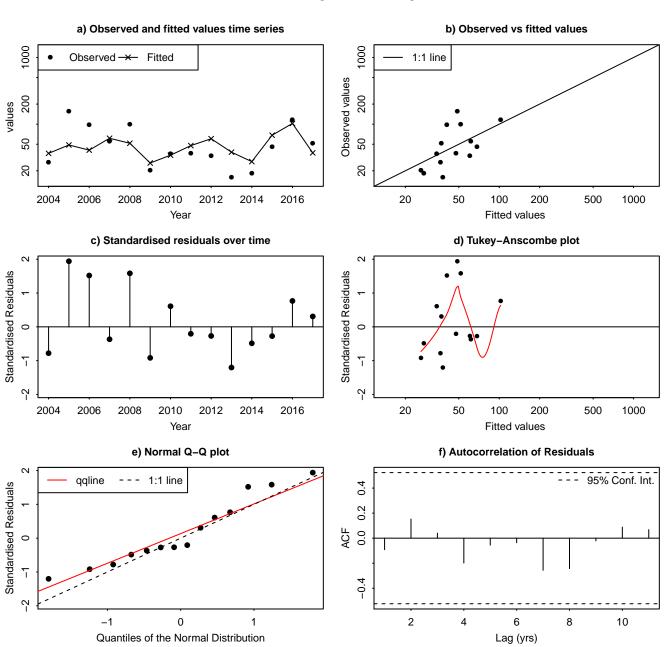


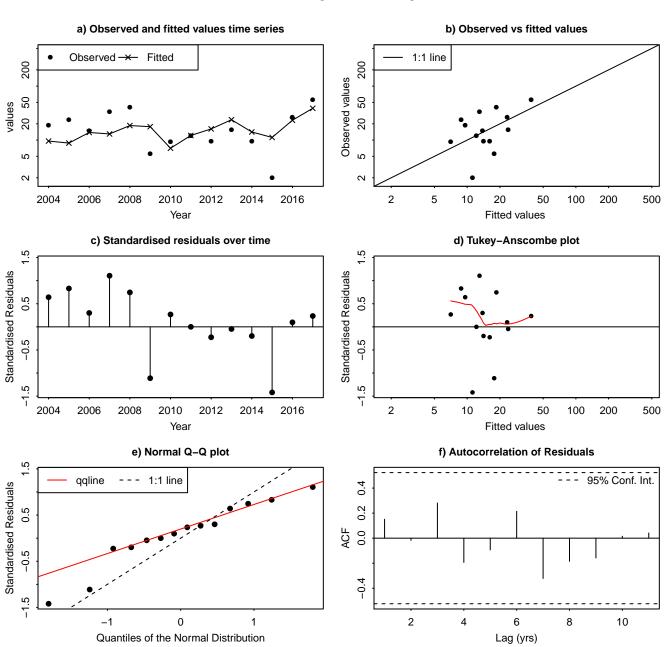
Turbot in IV Diagnostics - catch unique, age 9

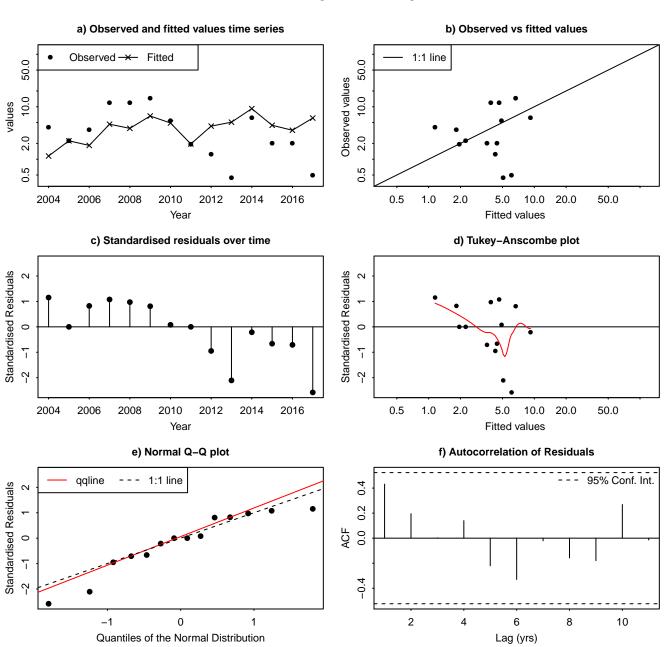


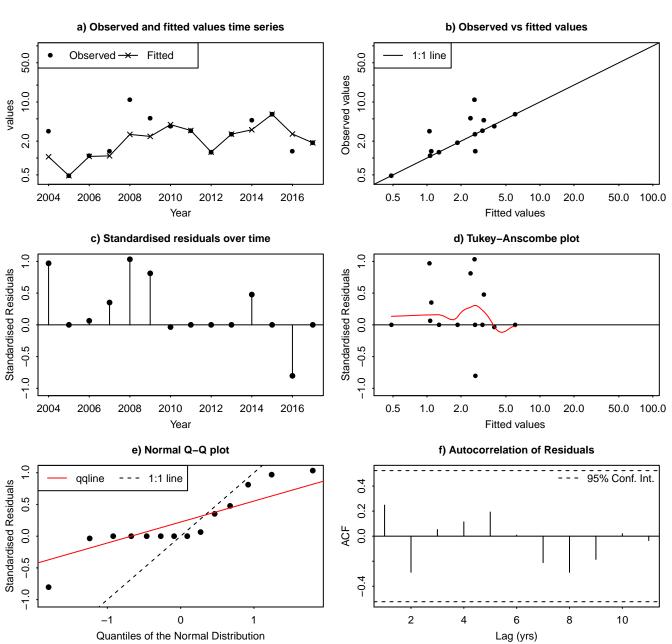


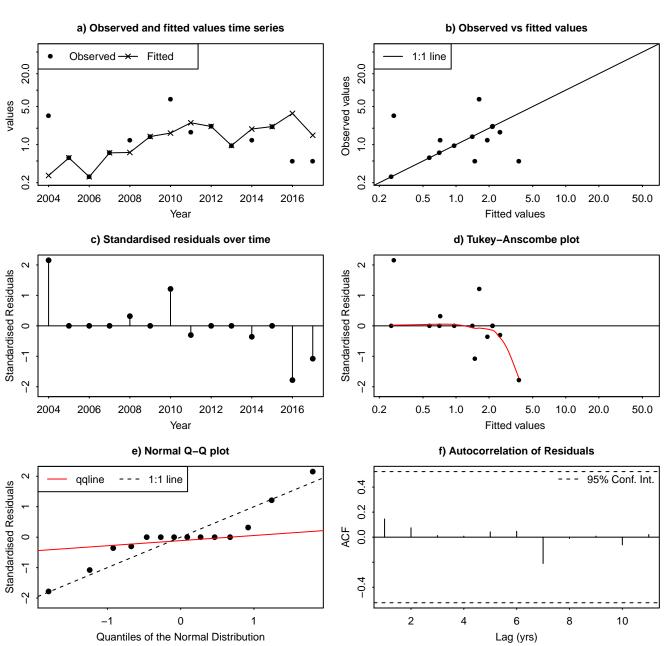




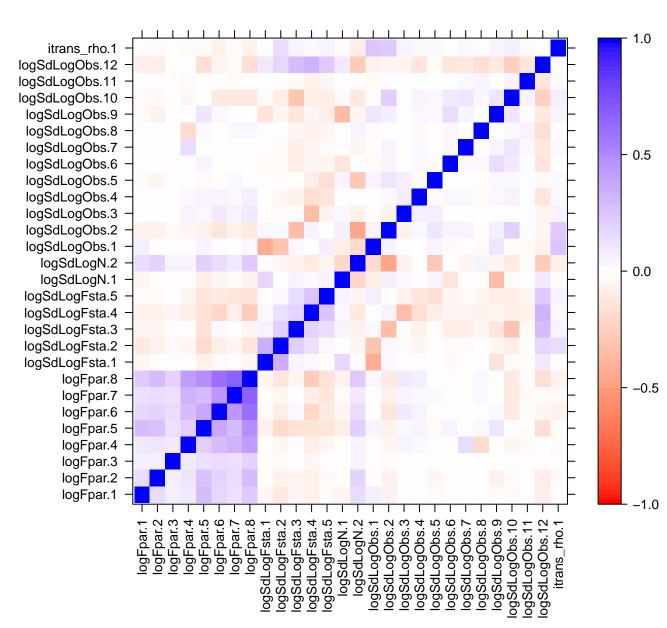




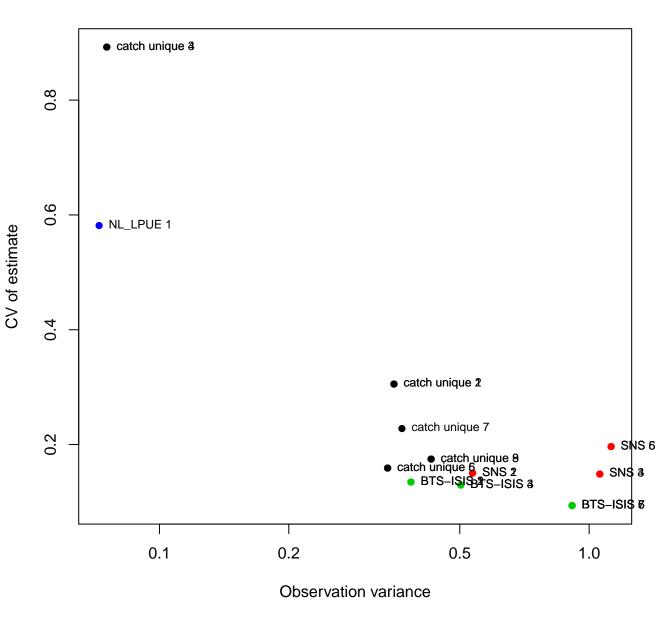




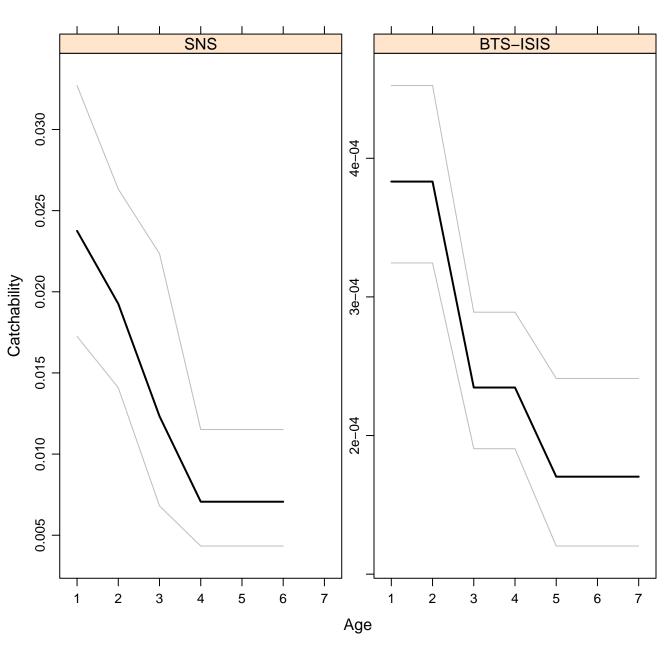
#### **Turbot in IV**



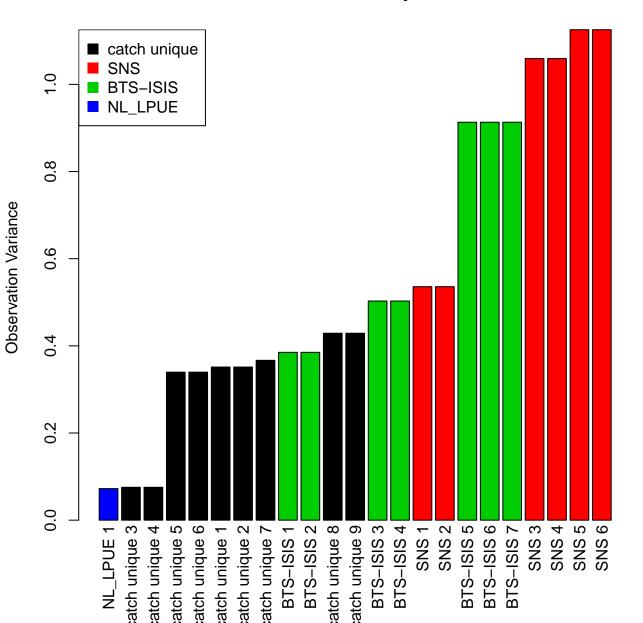
#### **Observation variance vs uncertainty**



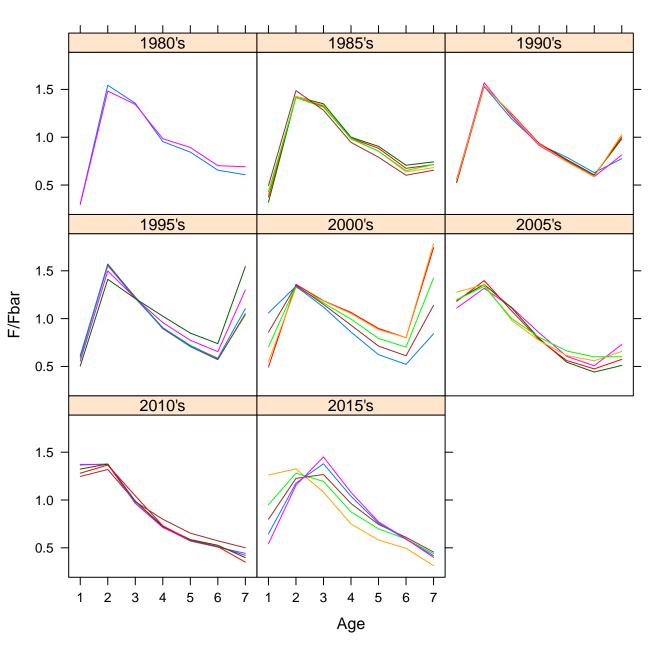
## Survey catchability parameters



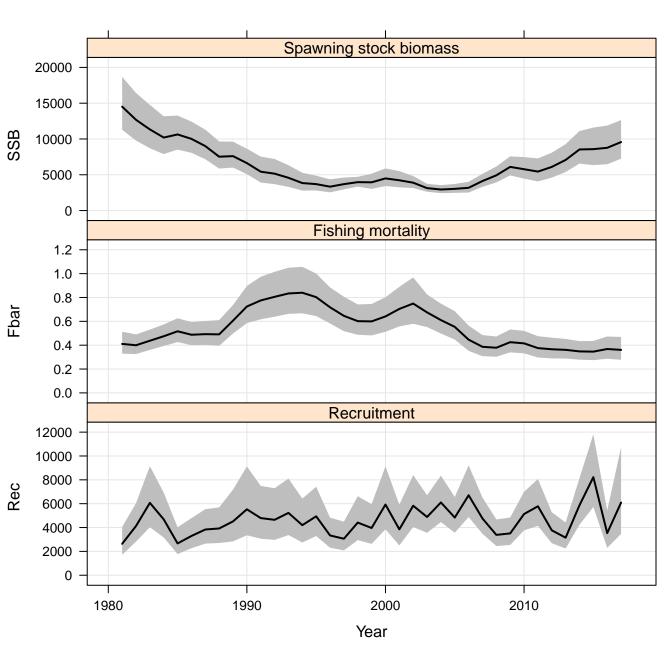
#### Observation variances by data source



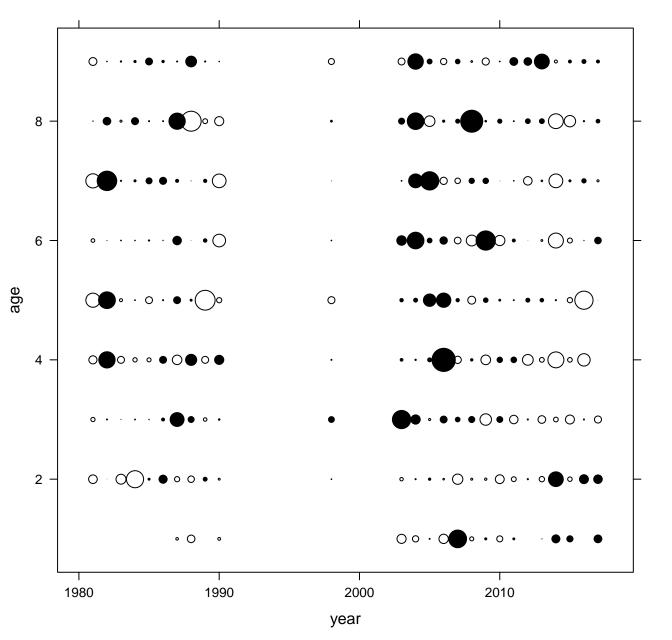
## Selectivity of the Fishery by Pentad



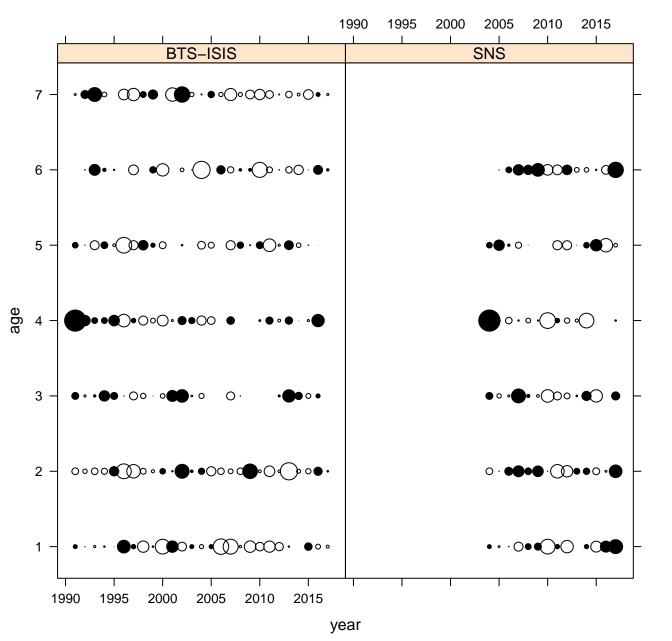
**Turbot in IV** 

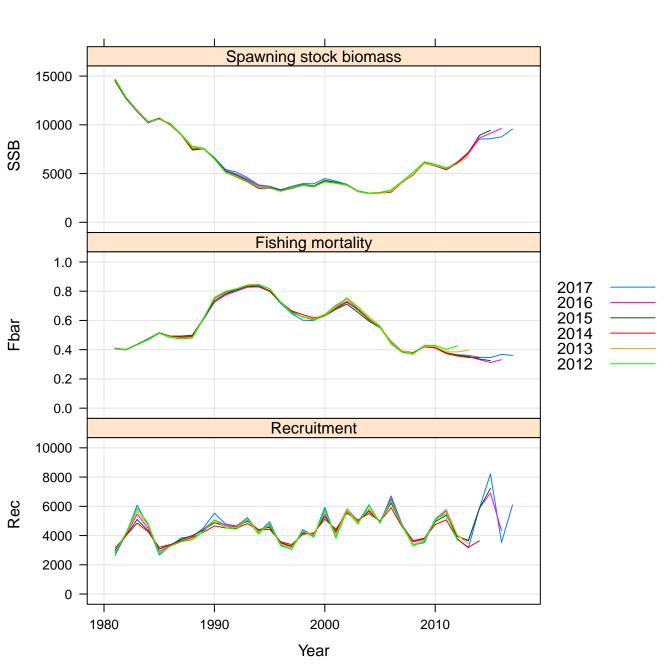


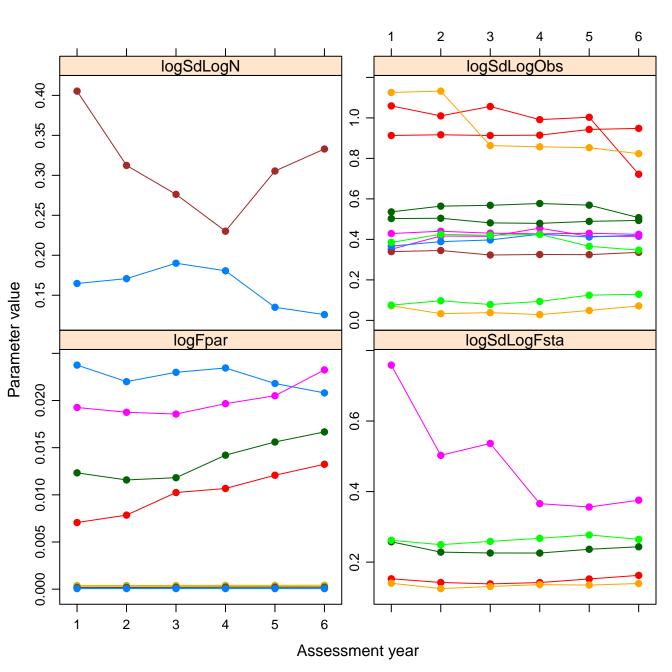
# Residuals by year Catch

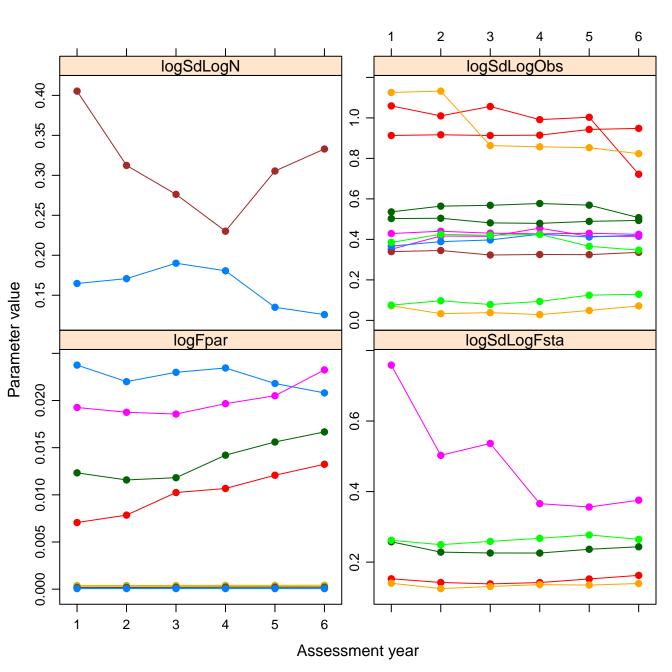


### Residuals by survey

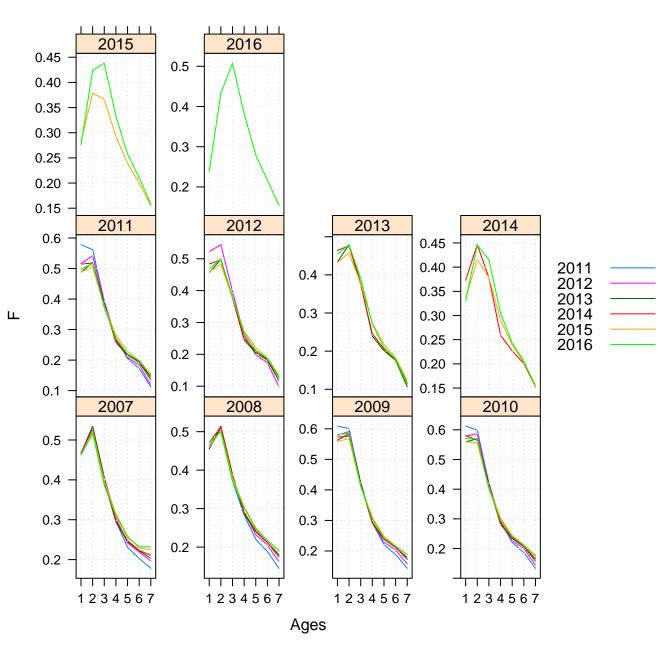








#### Retrospective pattern in F at age



#### Retrospective pattern in F at age

