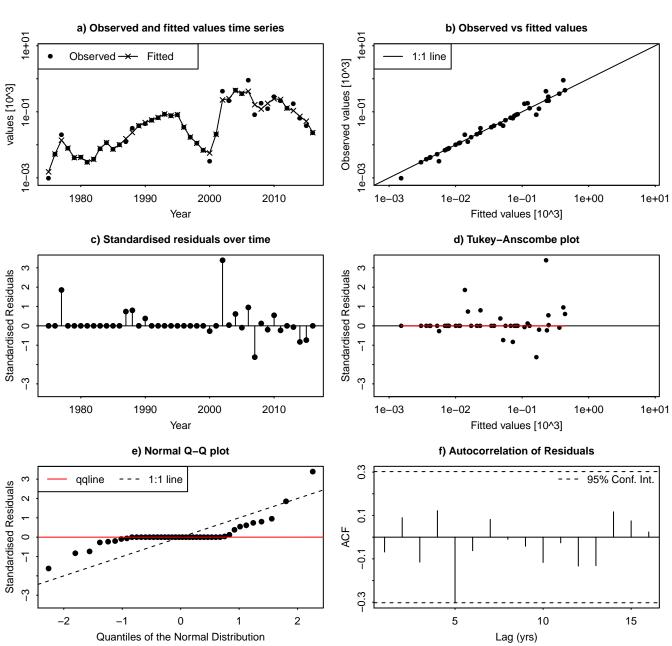
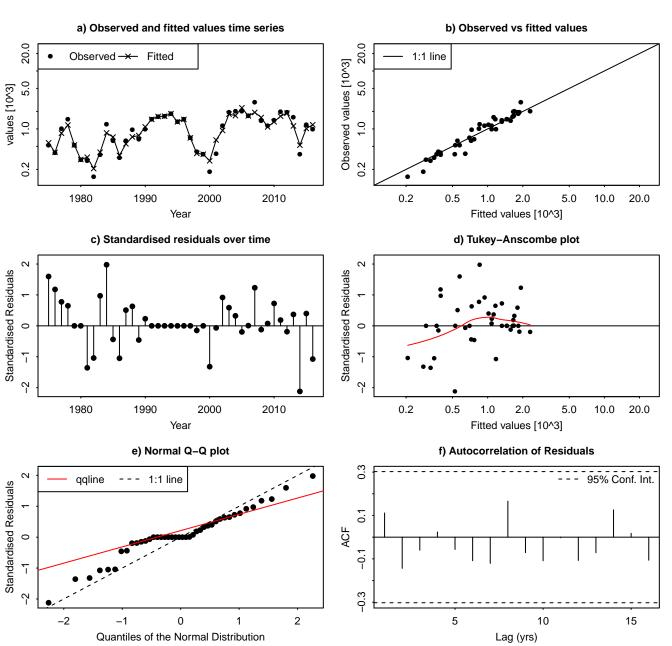
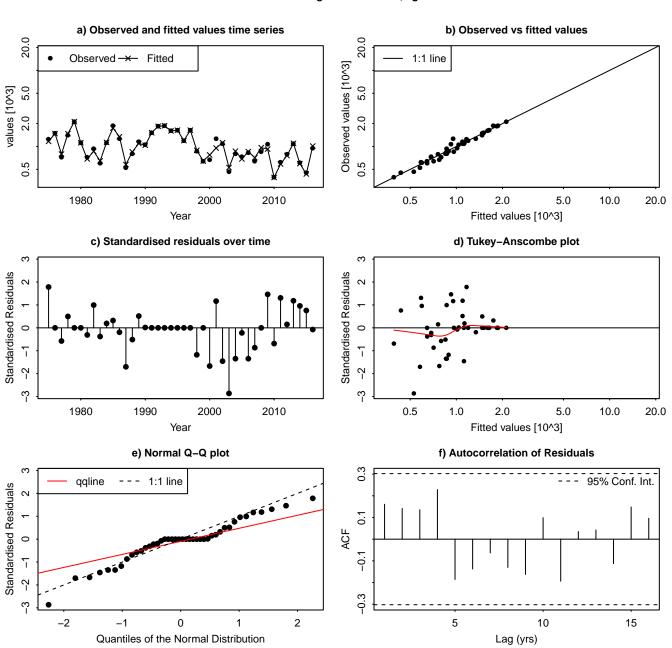


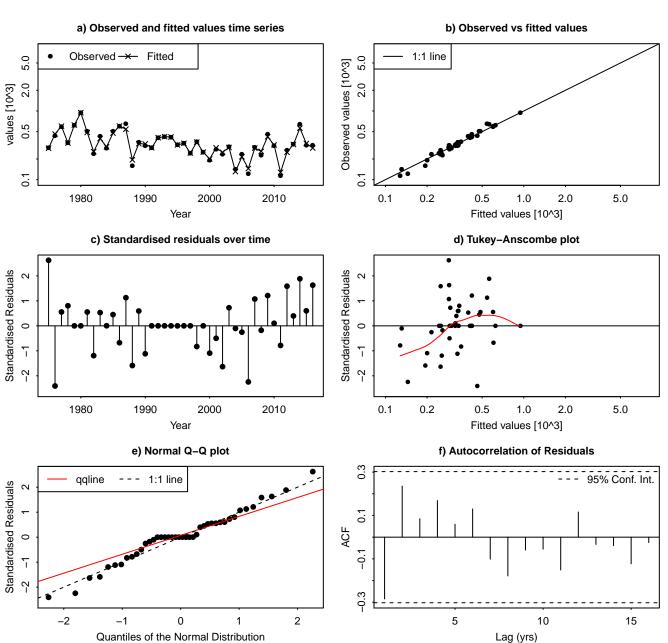
Turbot in IV Diagnostics – catch, age 1

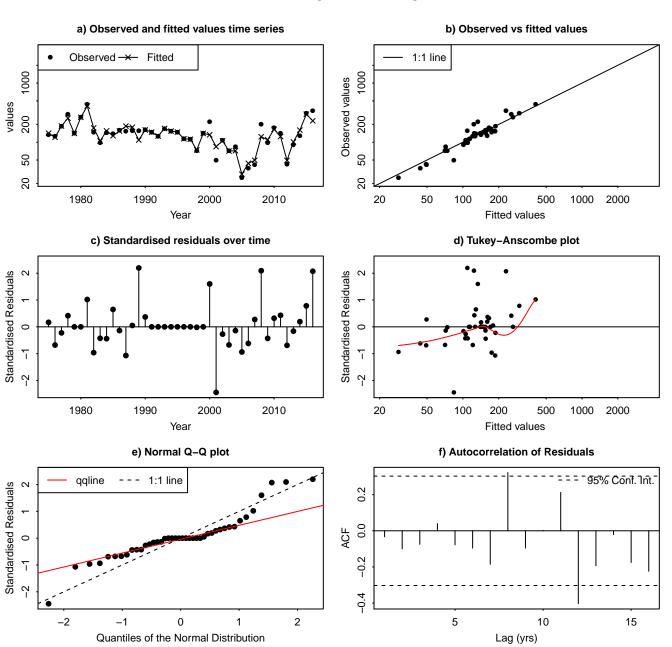


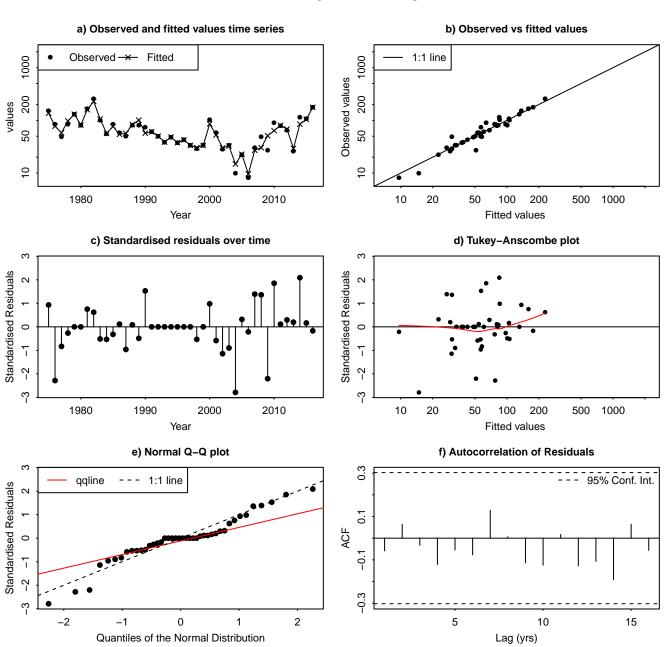


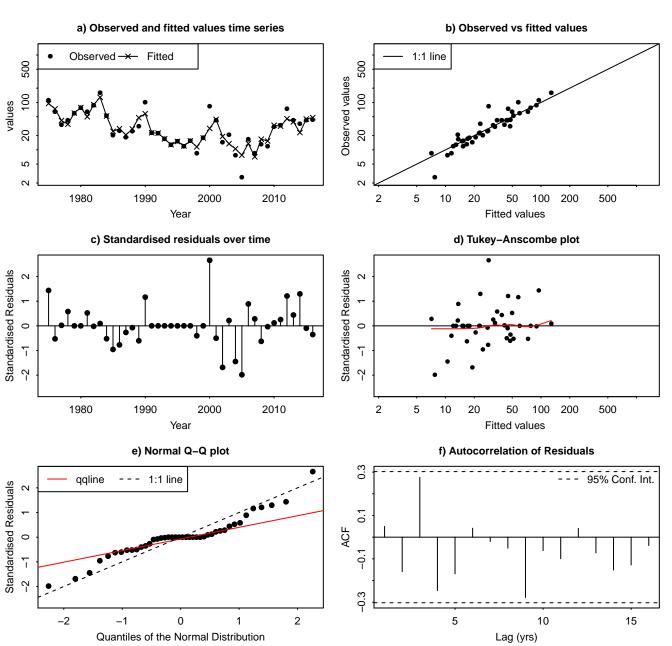
Turbot in IV Diagnostics – catch, age 3

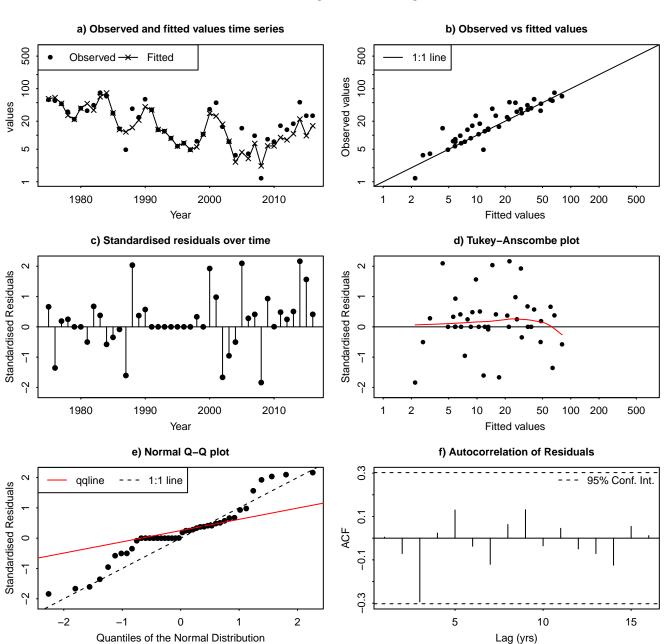




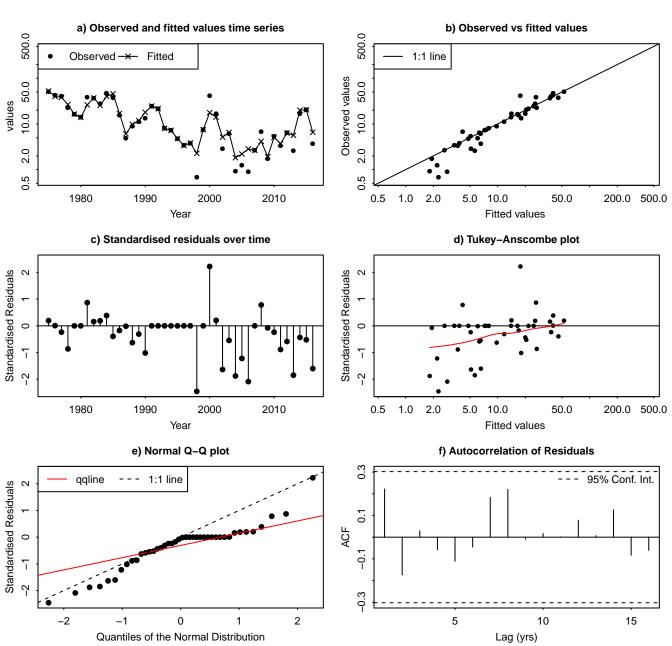


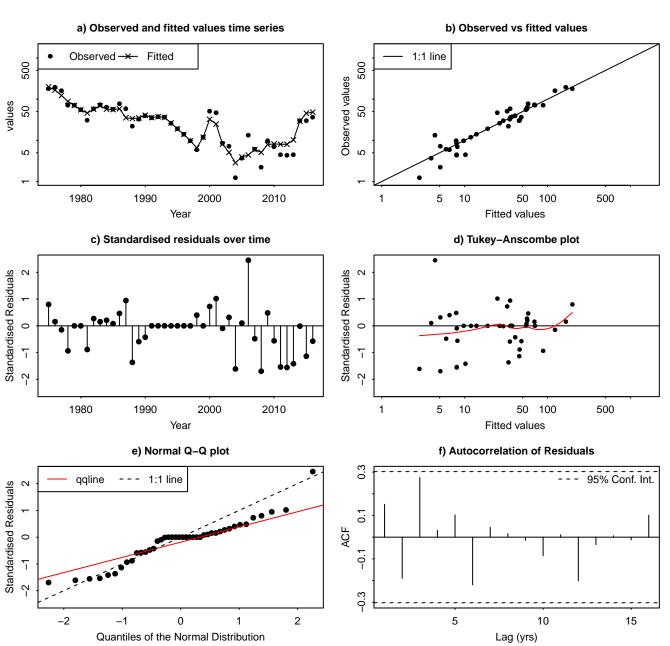




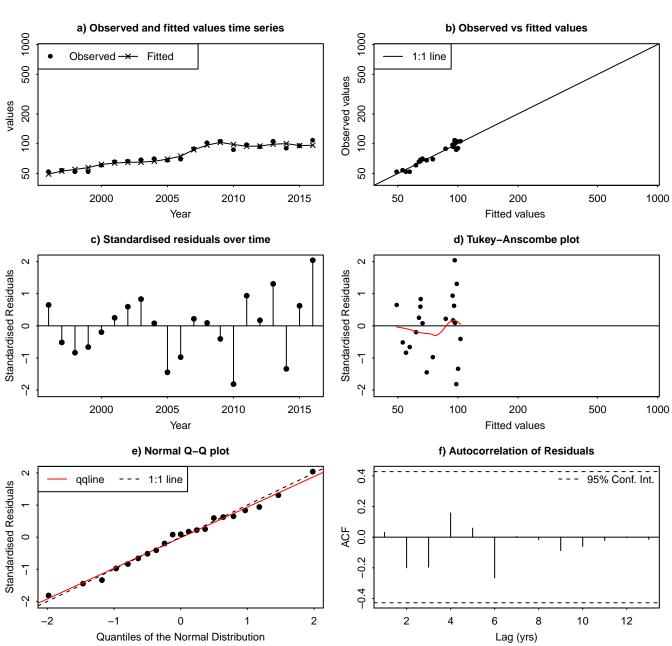


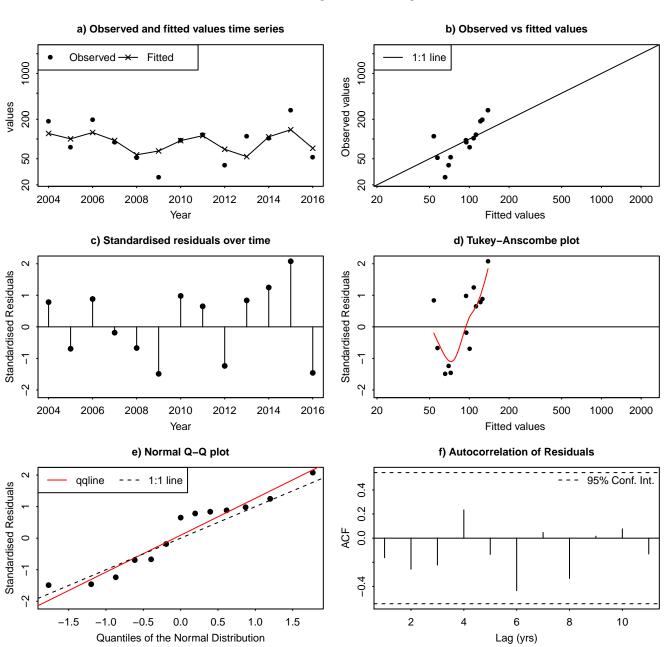
Turbot in IV Diagnostics – catch, age 9

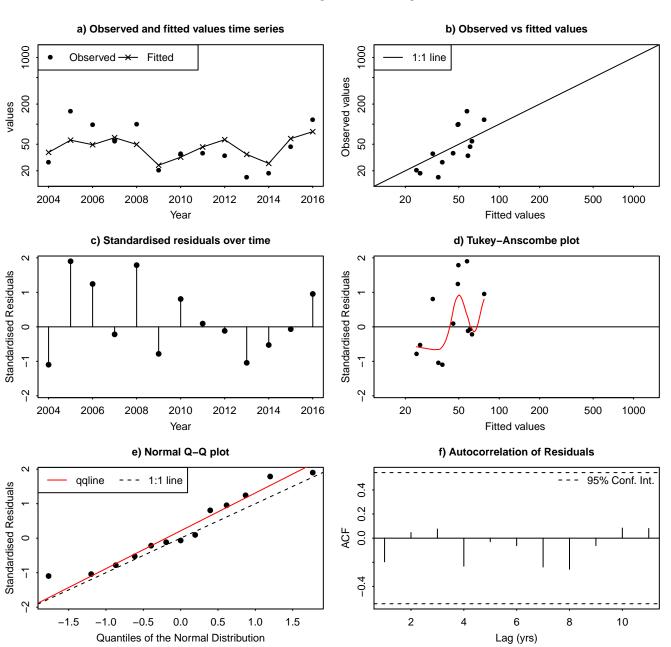


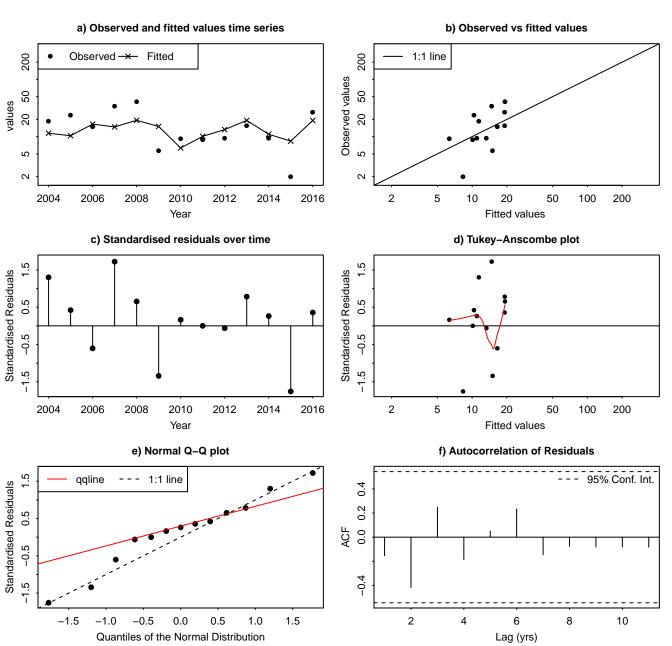


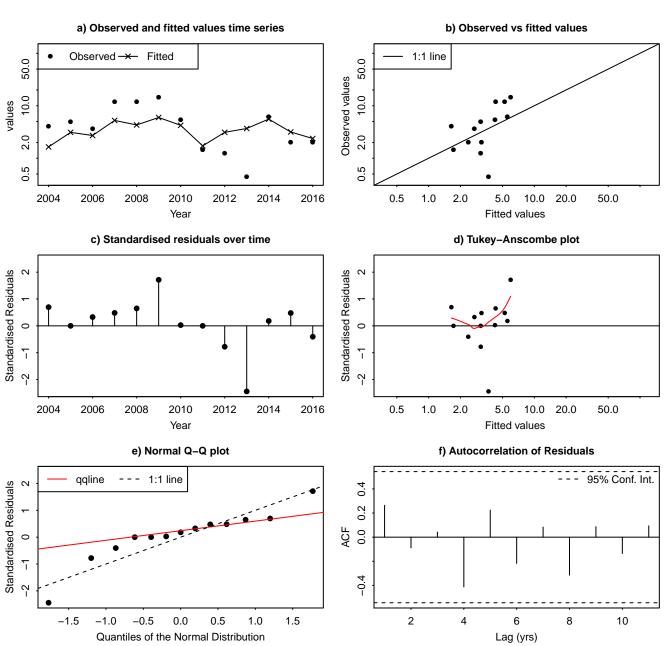
#### Turbot in IV Diagnostics – NL\_LPUE, age –1

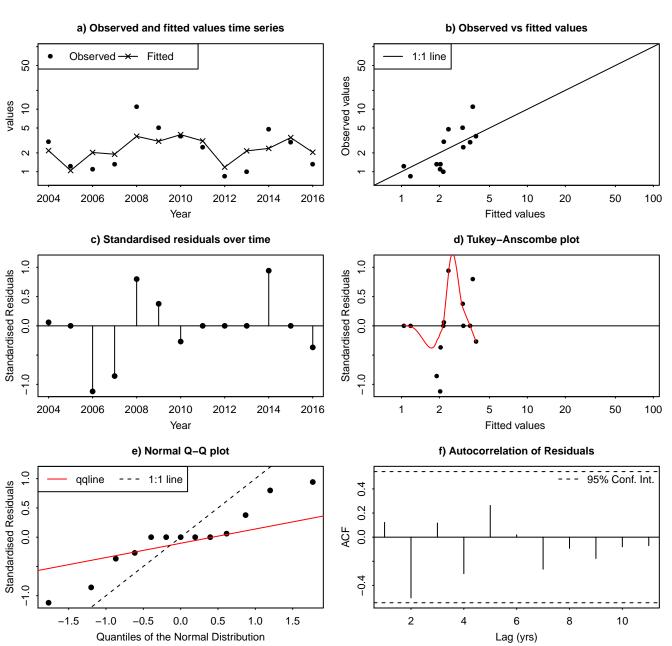


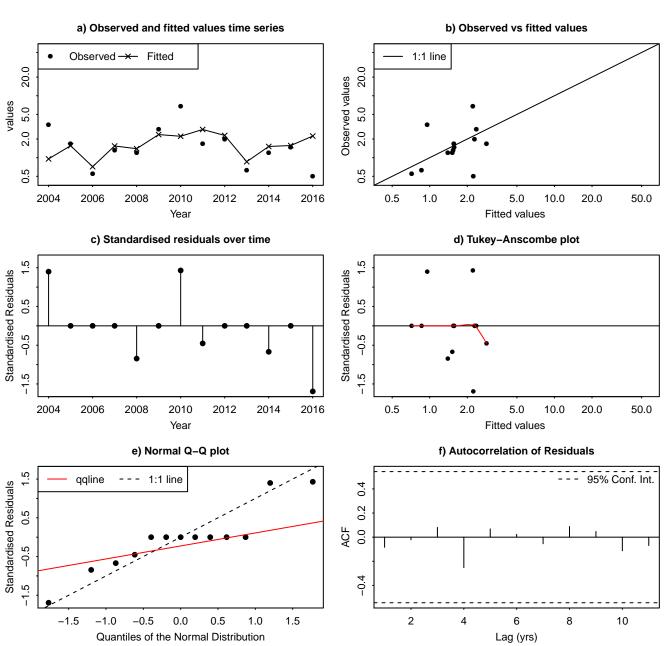




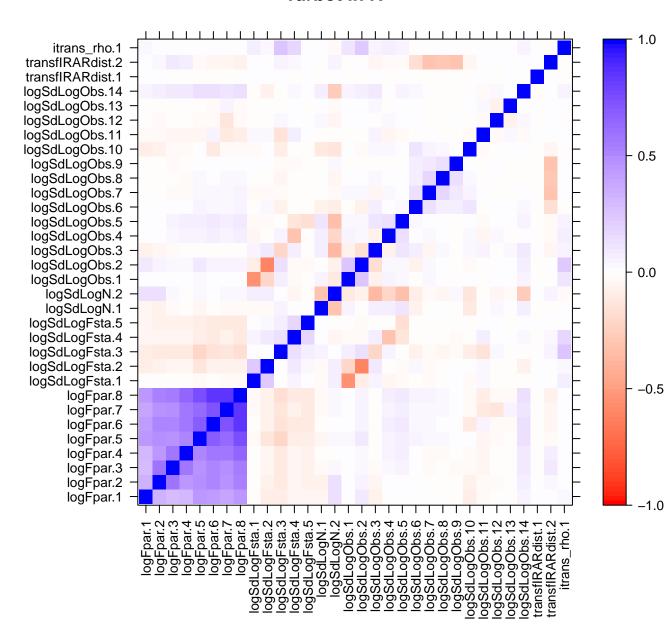




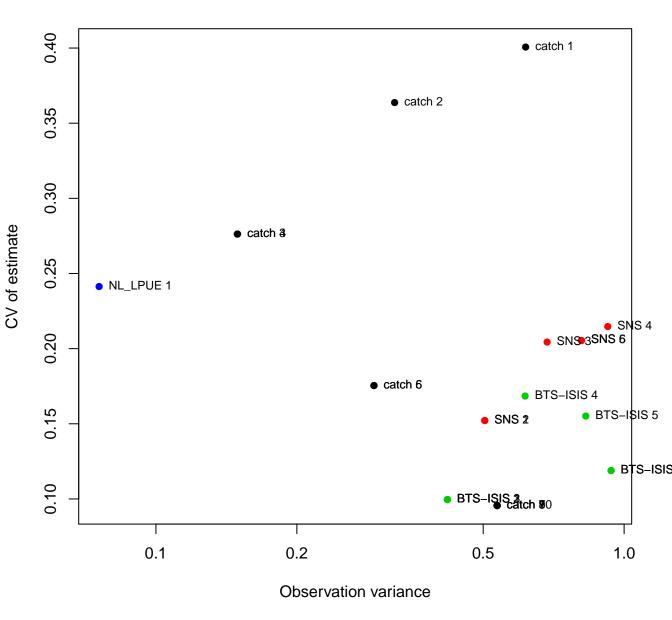




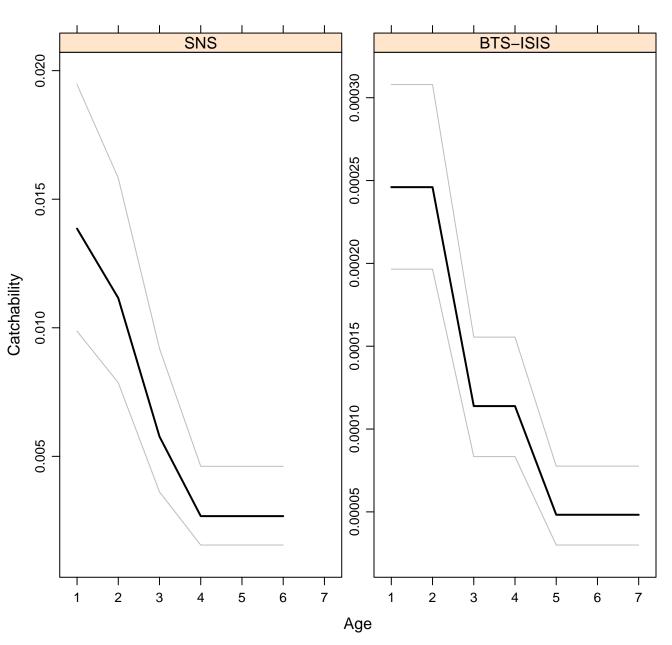
#### **Turbot in IV**



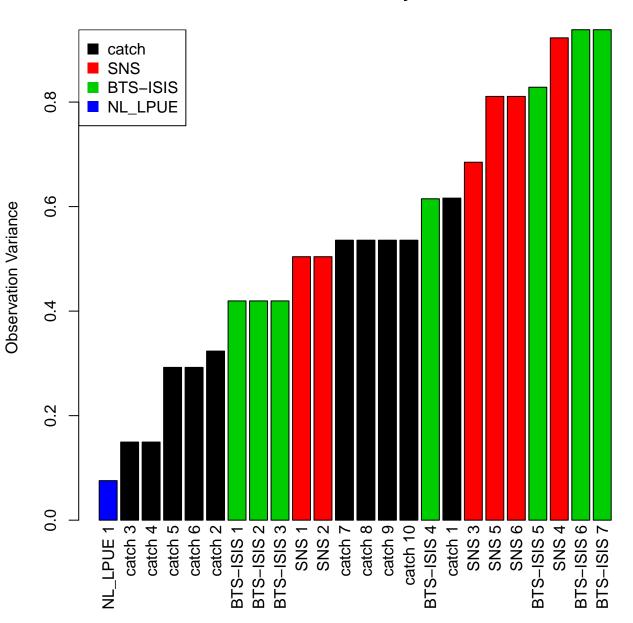
#### **Observation variance vs uncertainty**



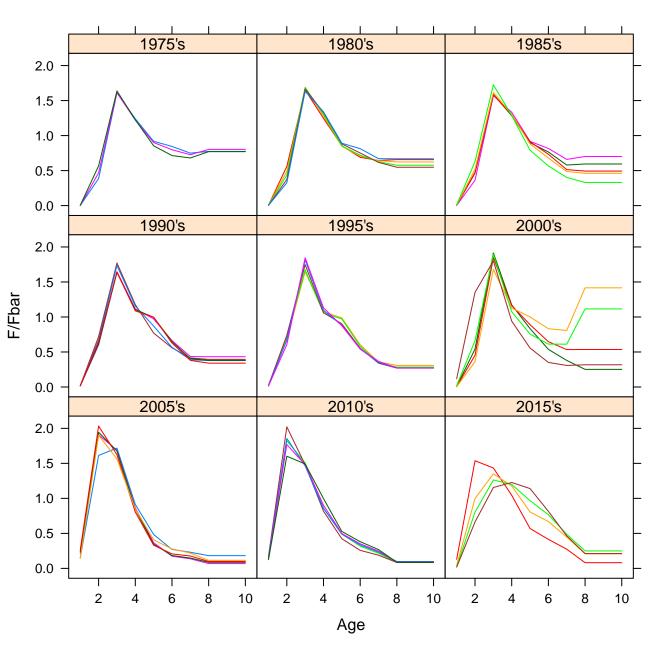
Survey catchability parameters



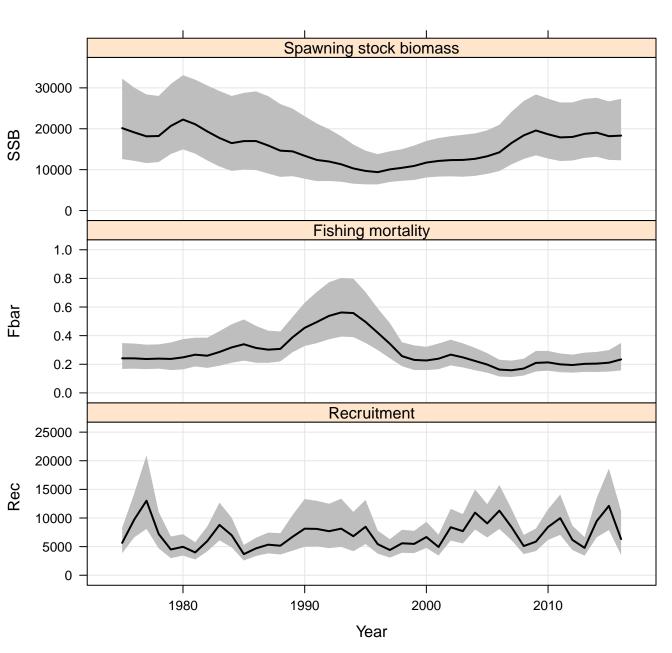
#### Observation variances by data source



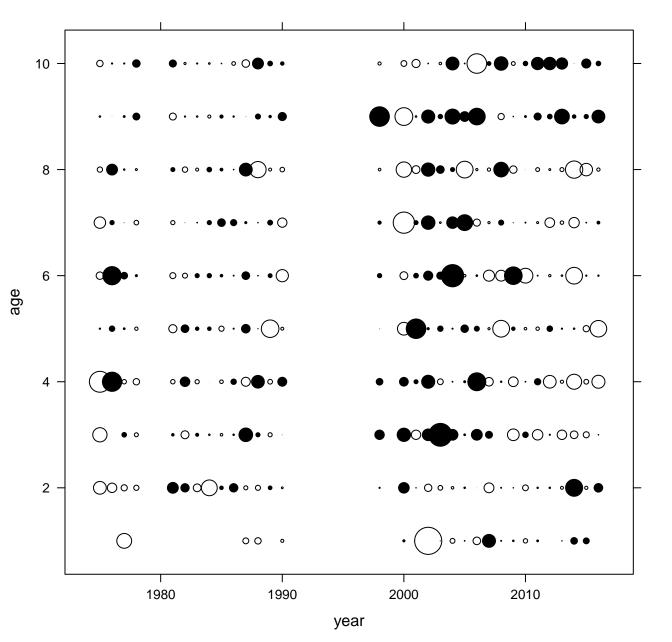
## Selectivity of the Fishery by Pentad



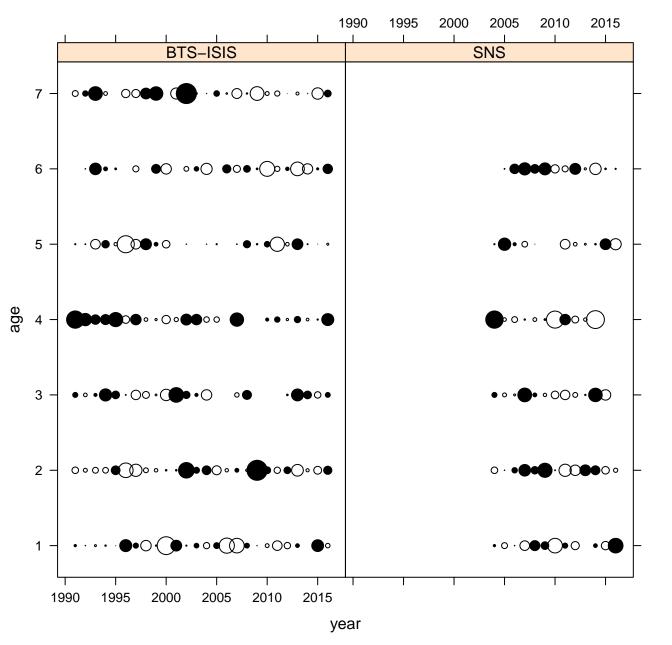
**Turbot in IV** 



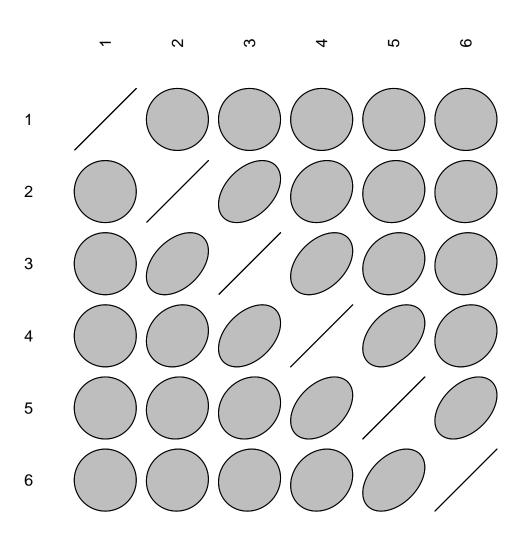
# Residuals by year Catch

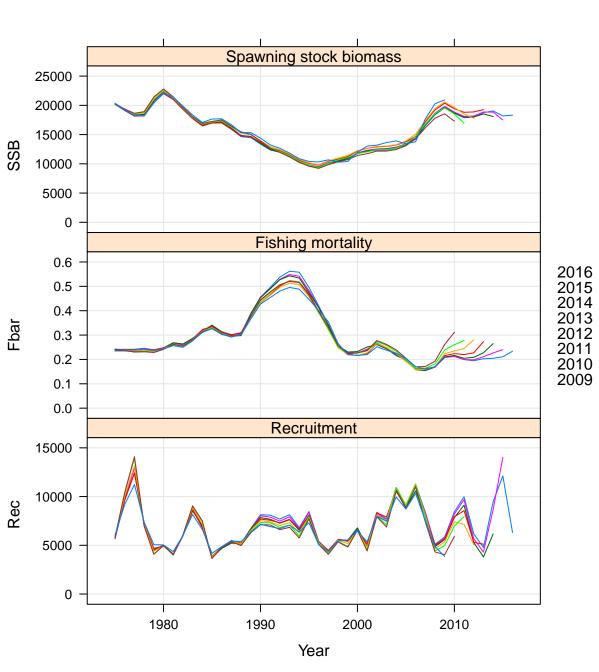


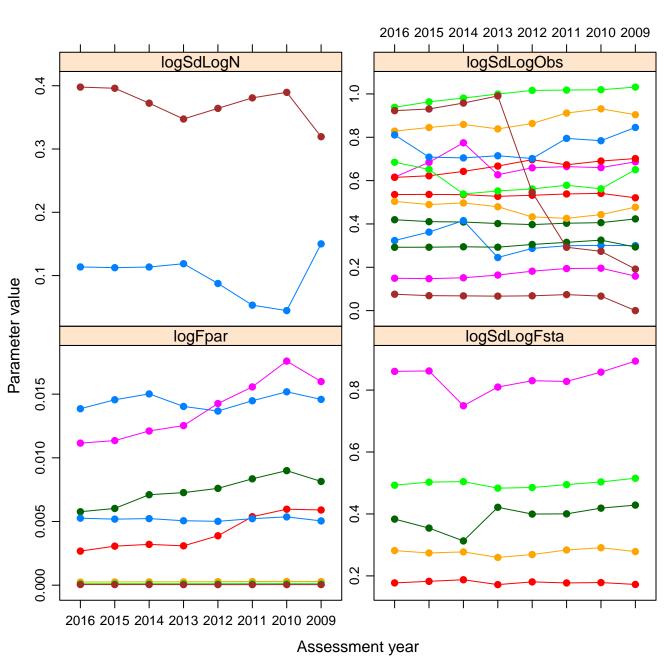
# Residuals by survey

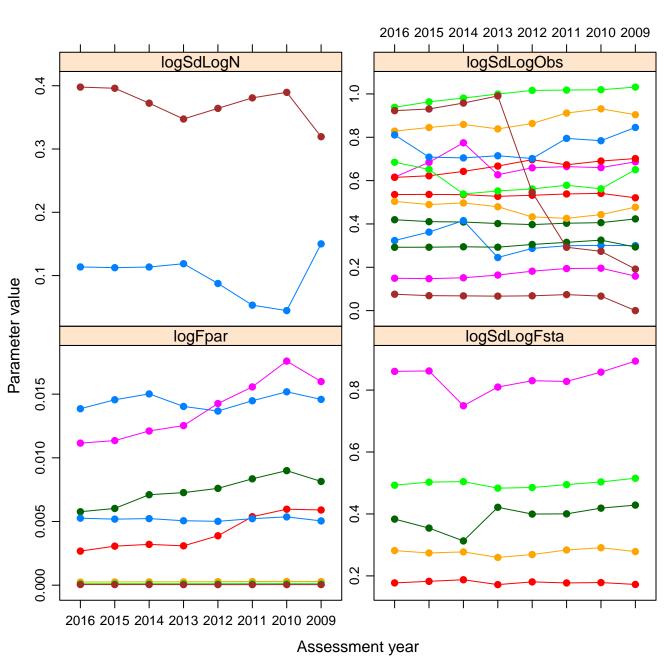


## **SNS**









### Retrospective pattern in F at age

