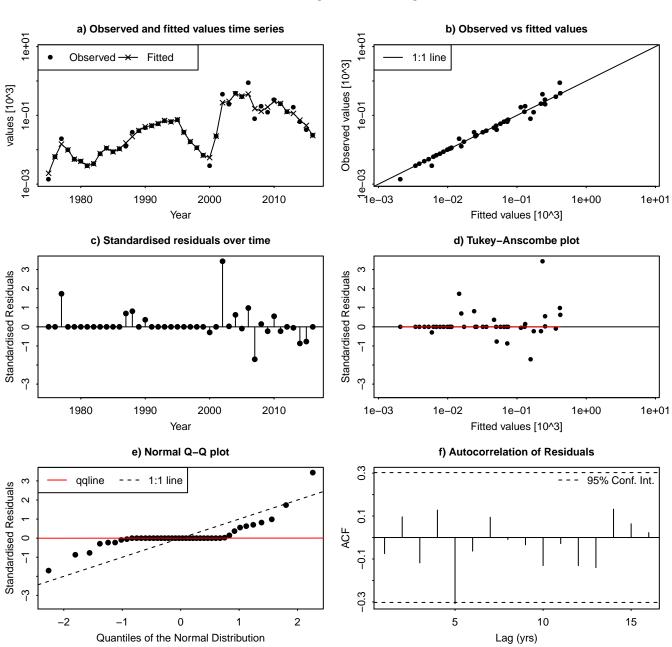
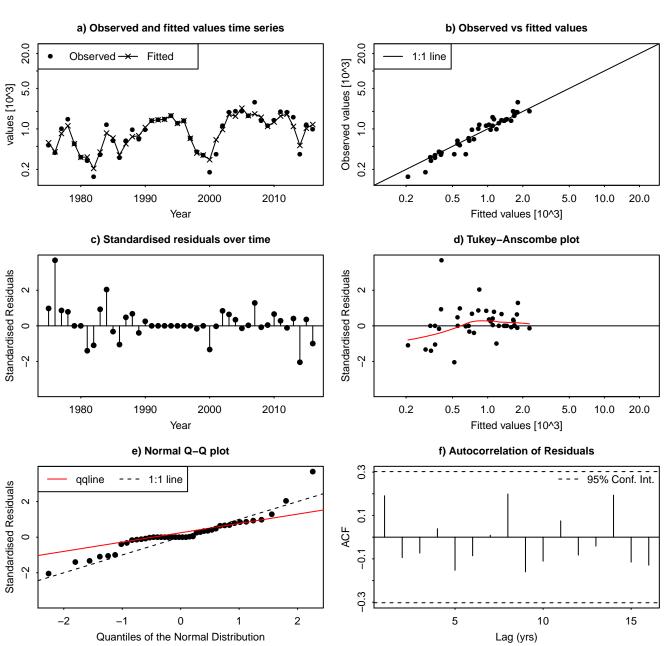


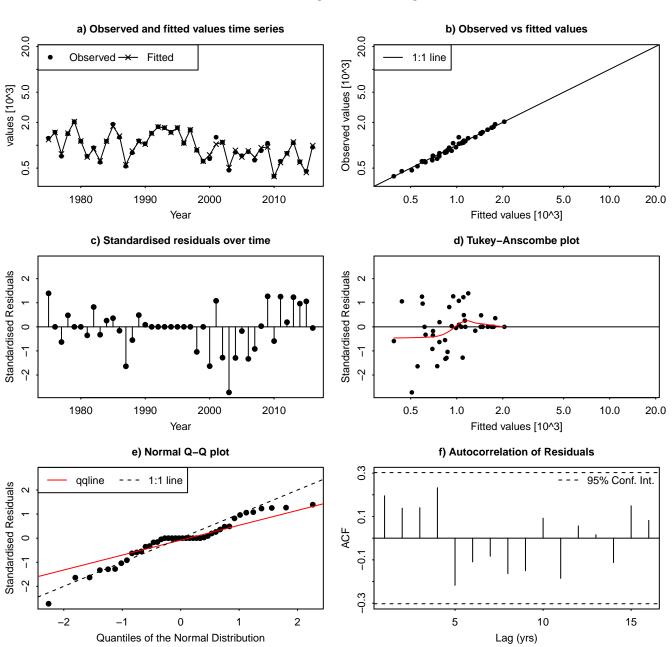
Turbot in IV Diagnostics – catch, age 1

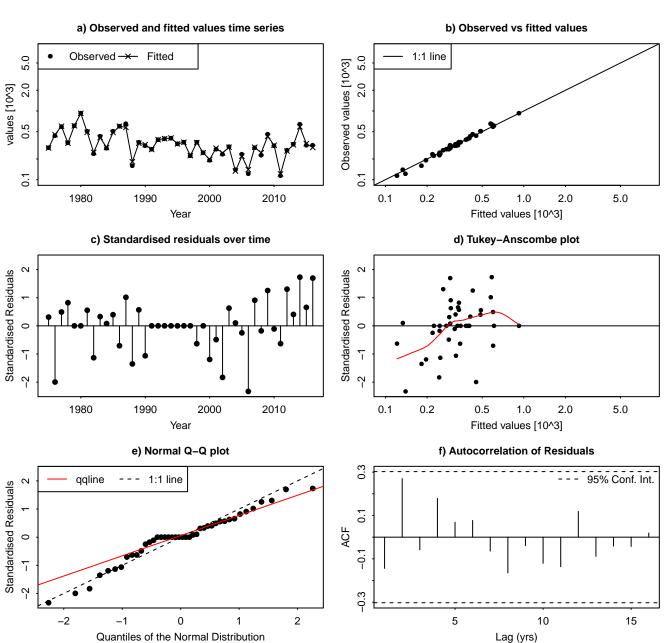


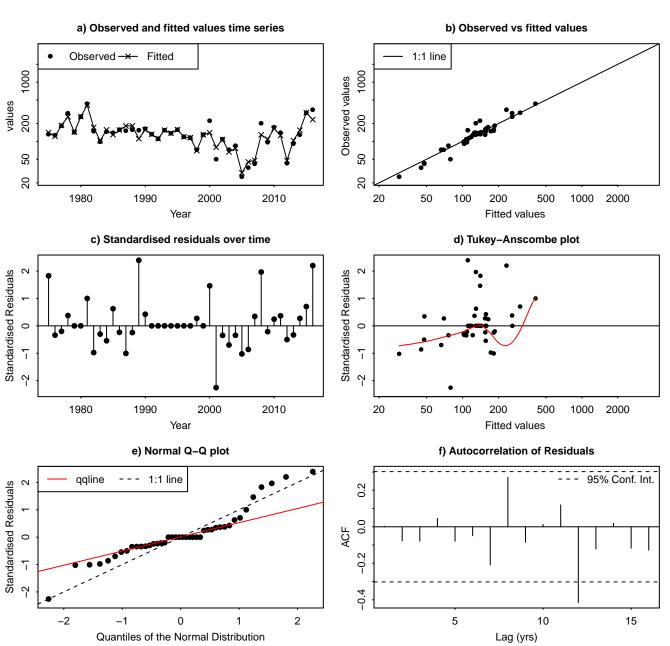
#### Turbot in IV Diagnostics - catch, age 2

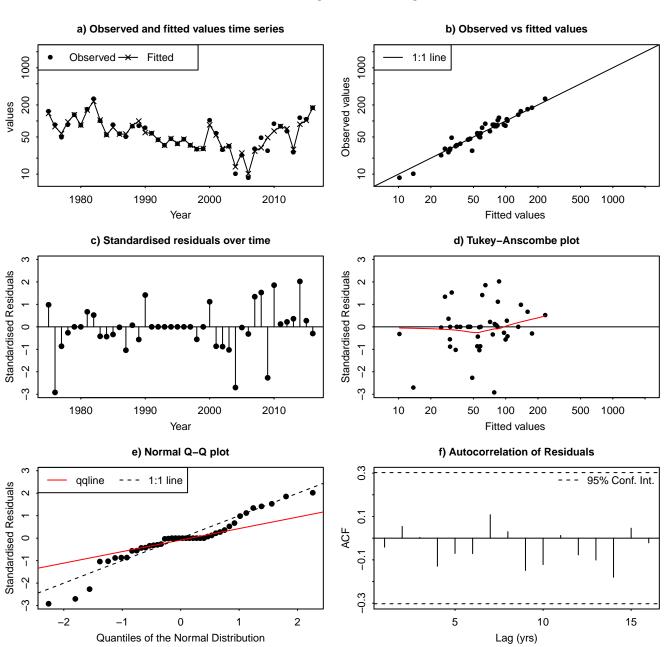


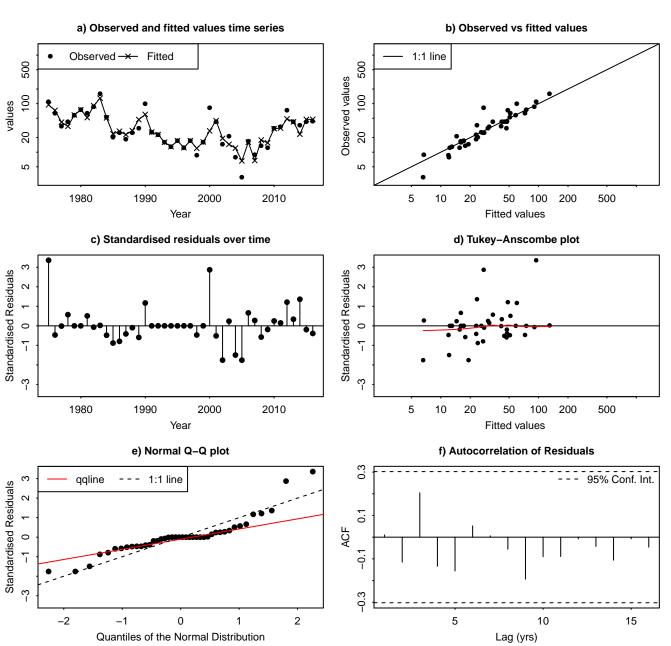
Turbot in IV Diagnostics – catch, age 3

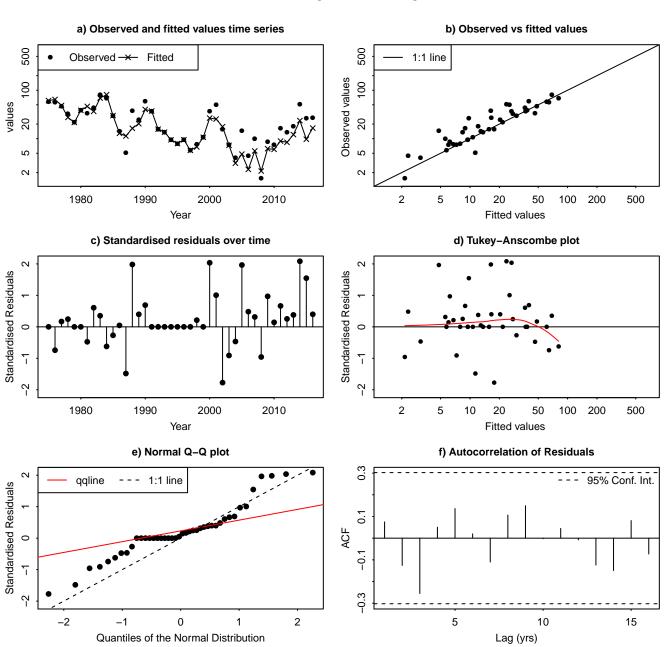




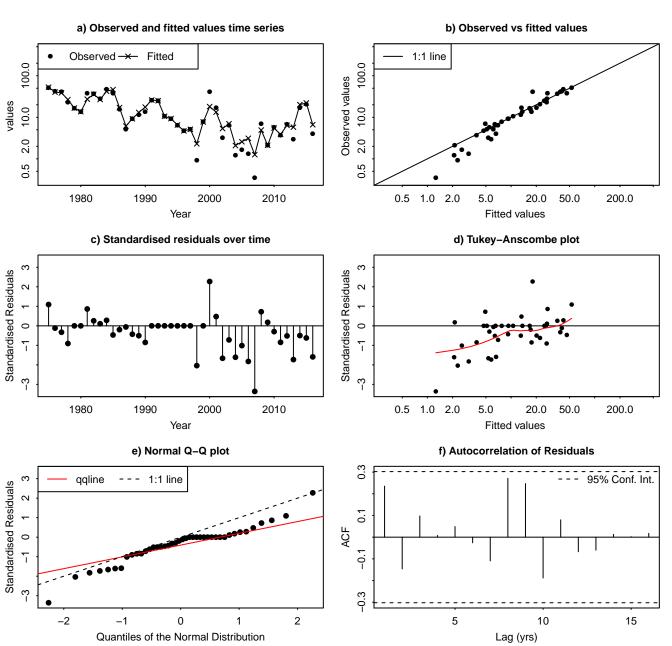


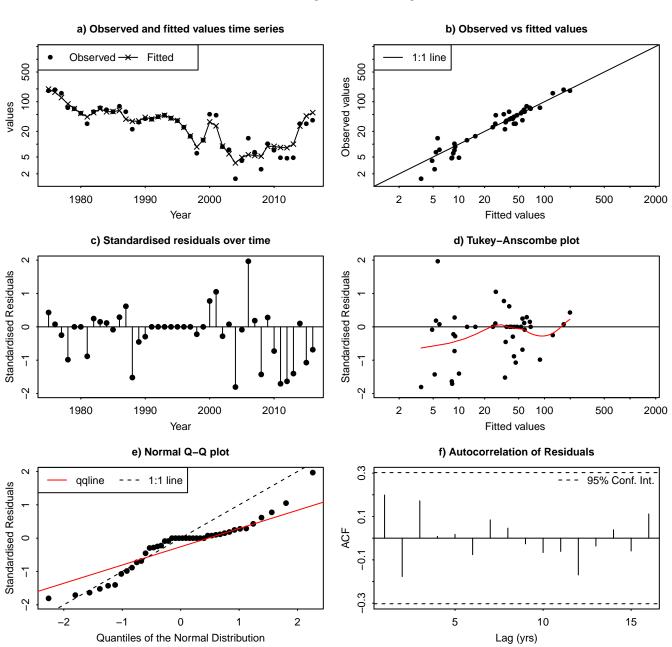


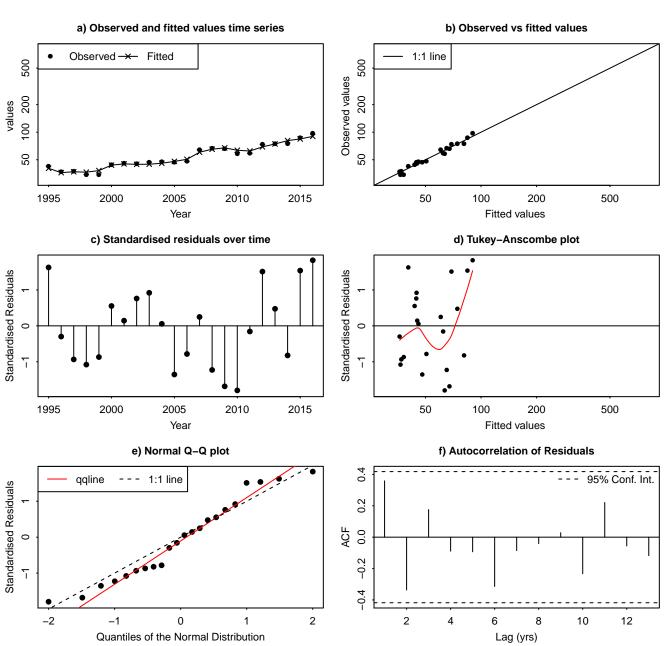


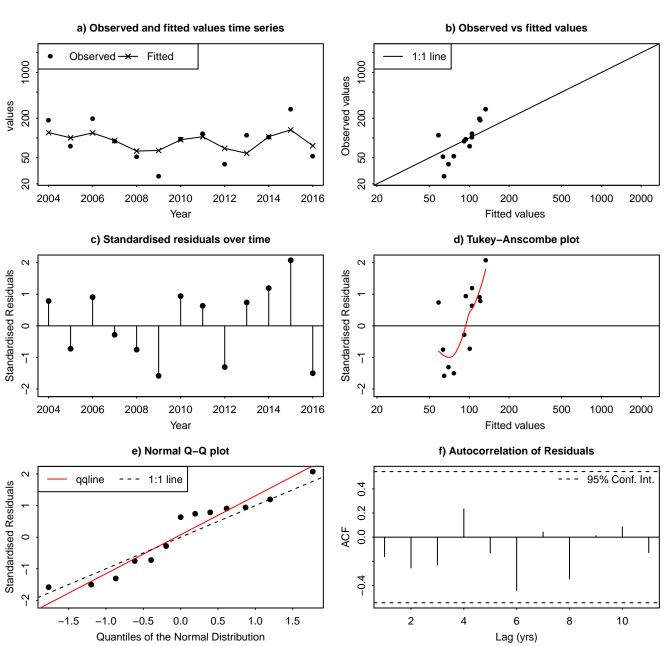


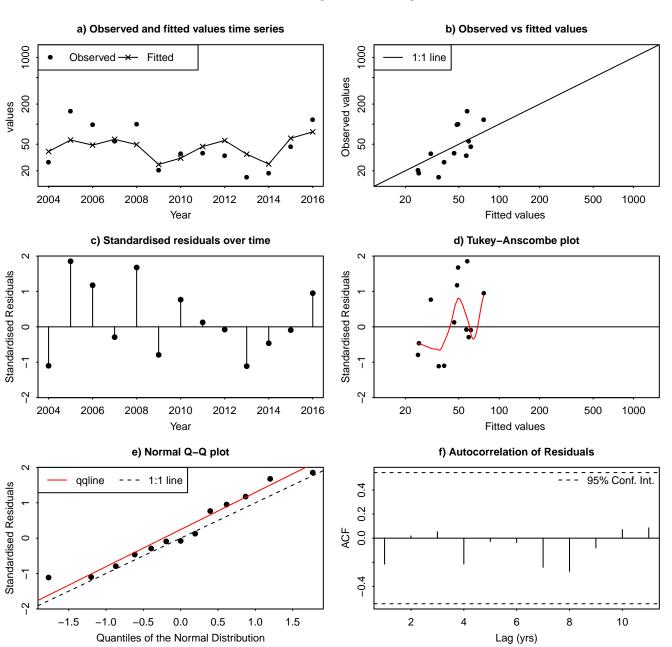
Turbot in IV Diagnostics - catch, age 9

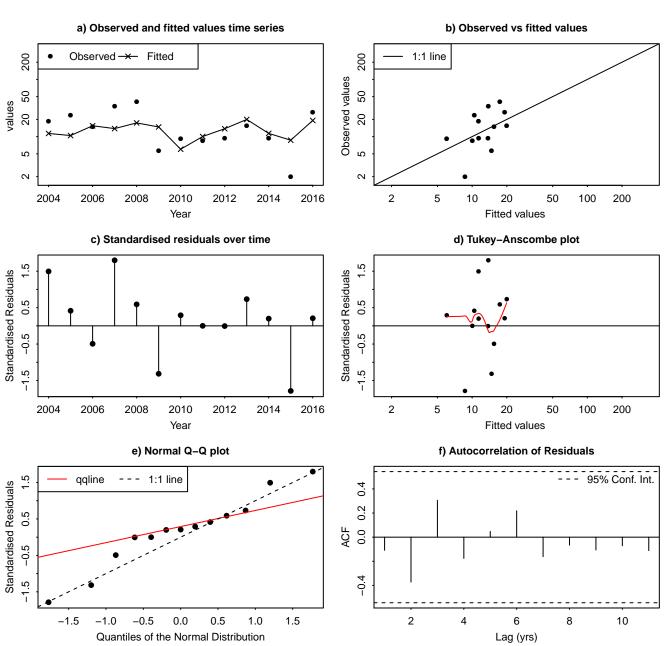


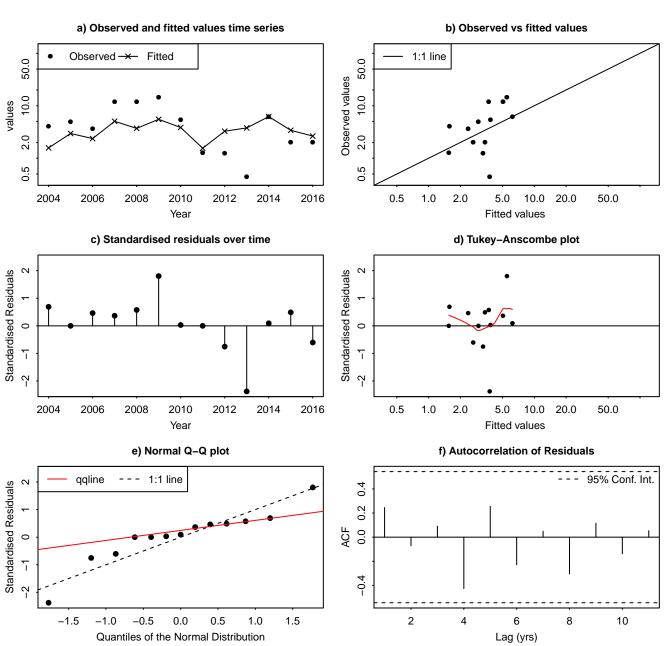


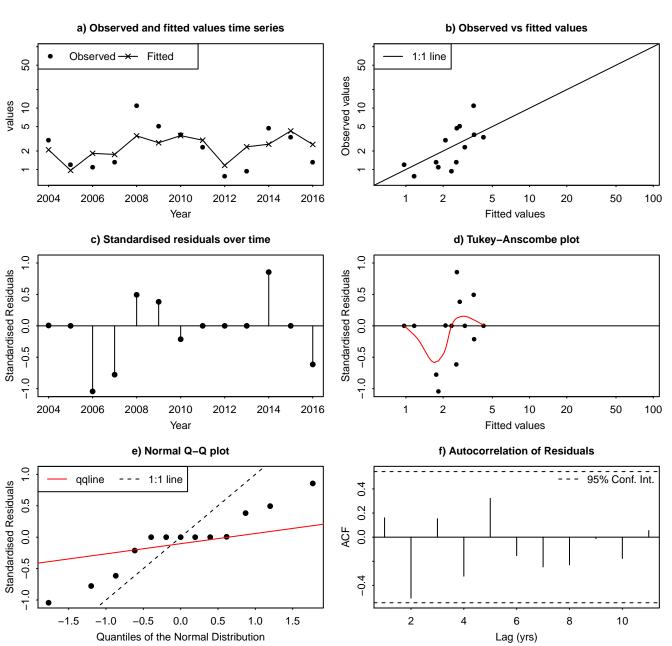


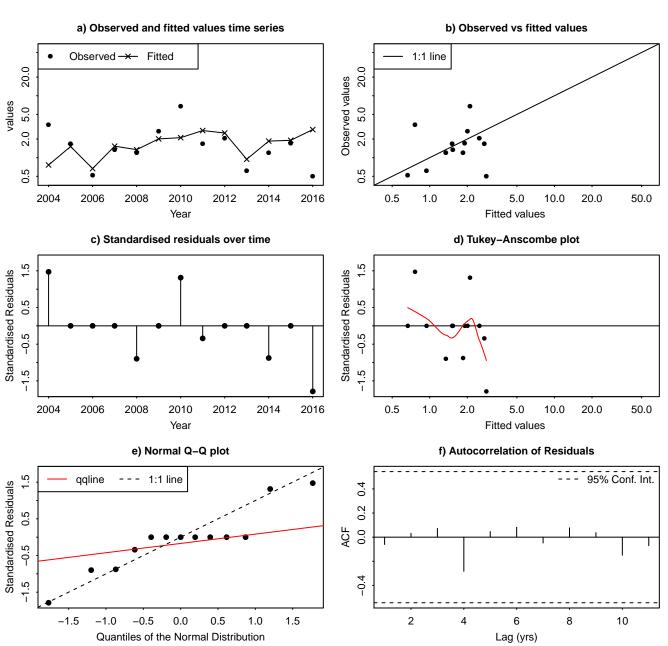




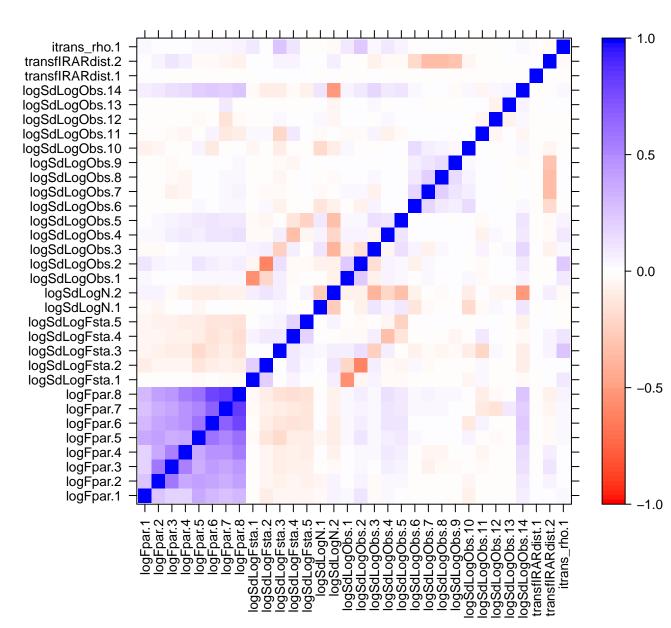




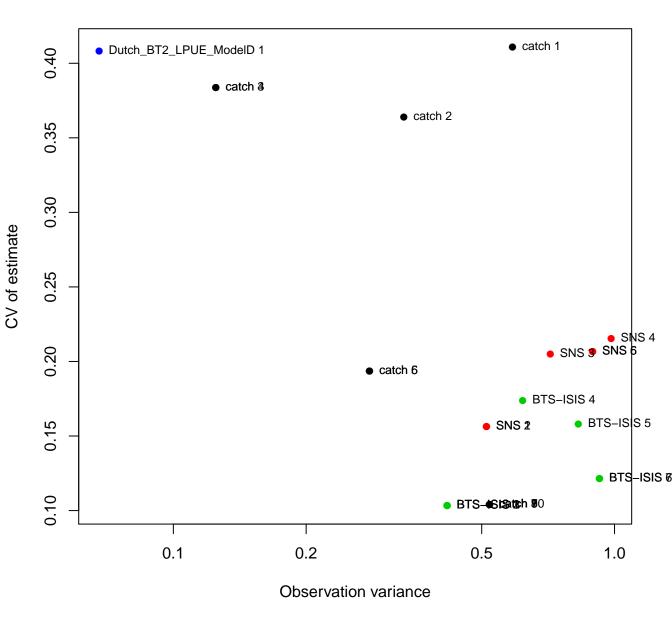




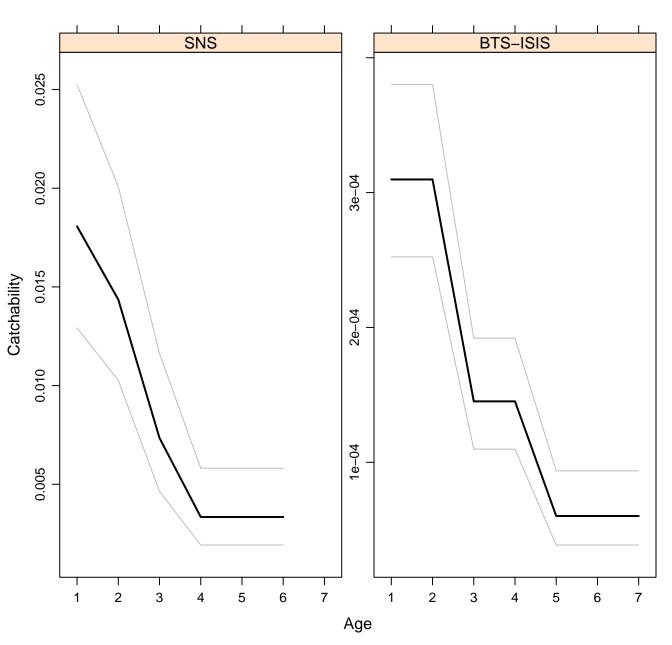
#### **Turbot in IV**



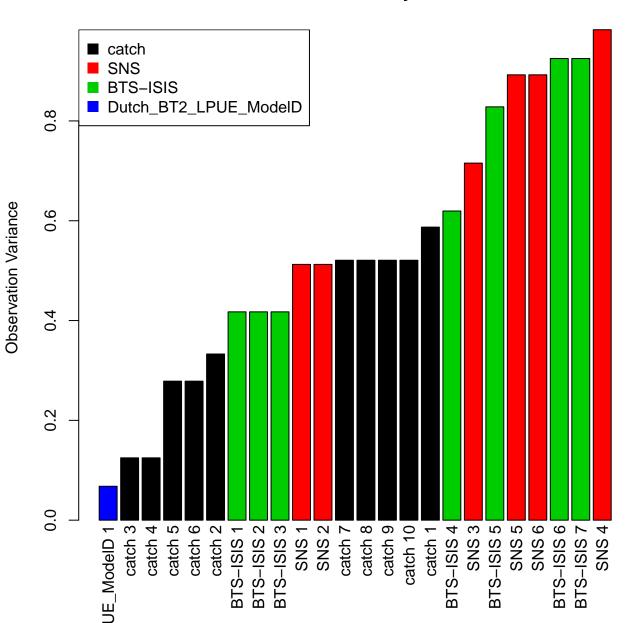
# Observation variance vs uncertainty



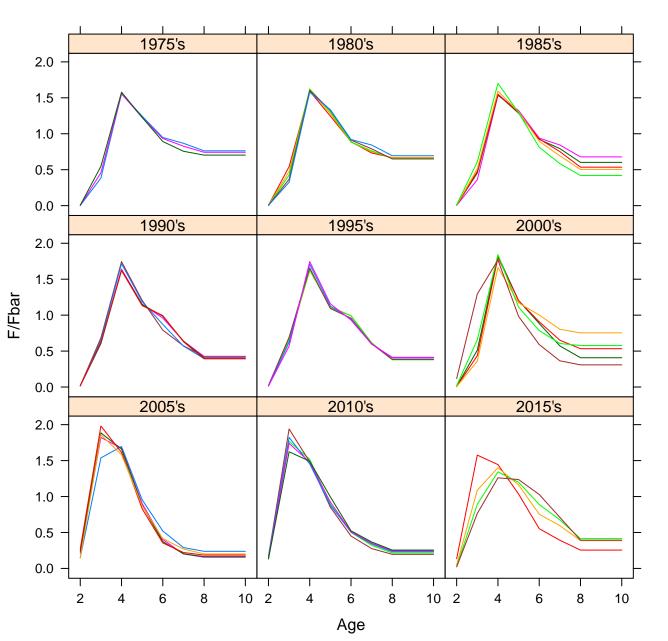
Survey catchability parameters



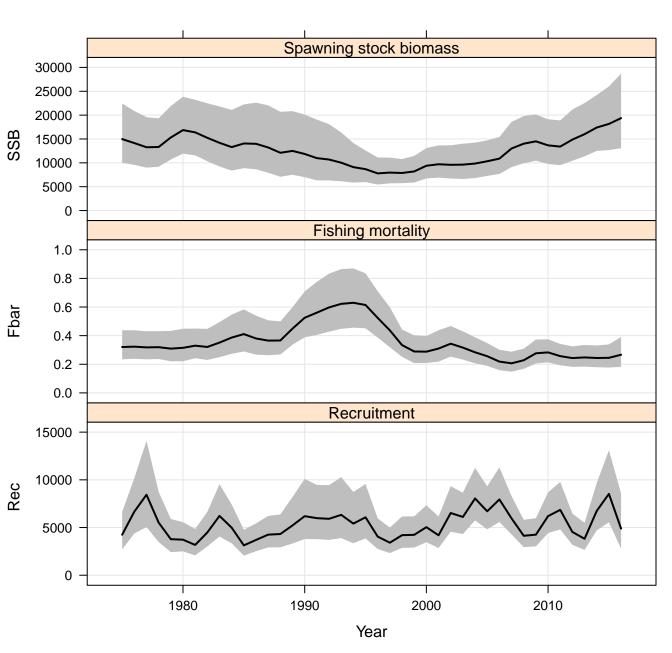
#### Observation variances by data source



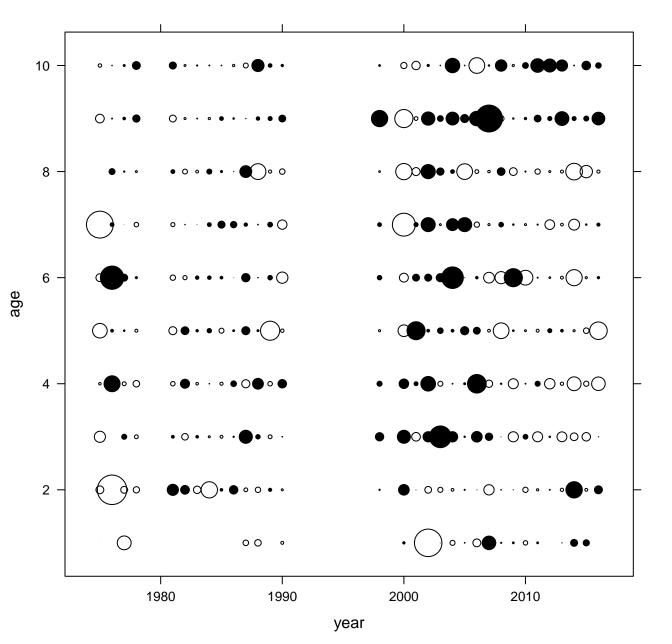
### Selectivity of the Fishery by Pentad



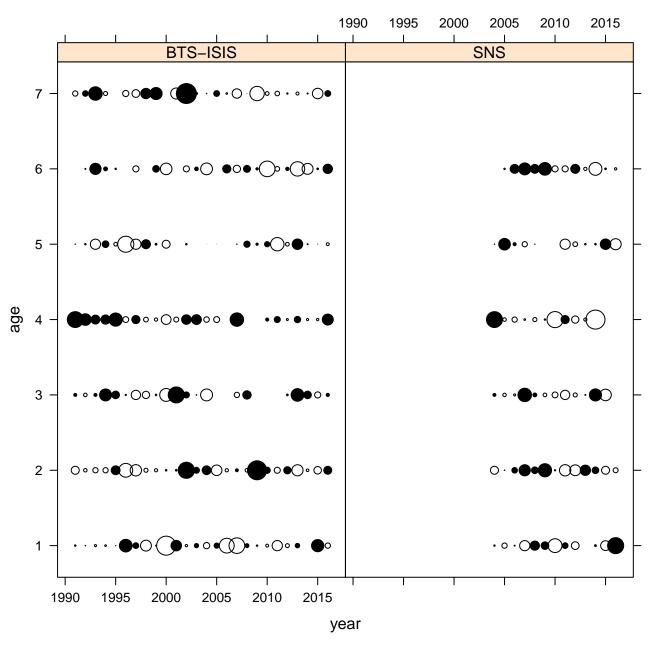
**Turbot in IV** 



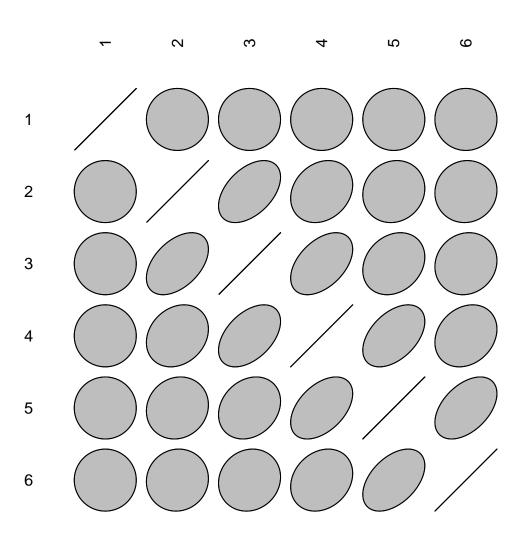
## Residuals by year Catch

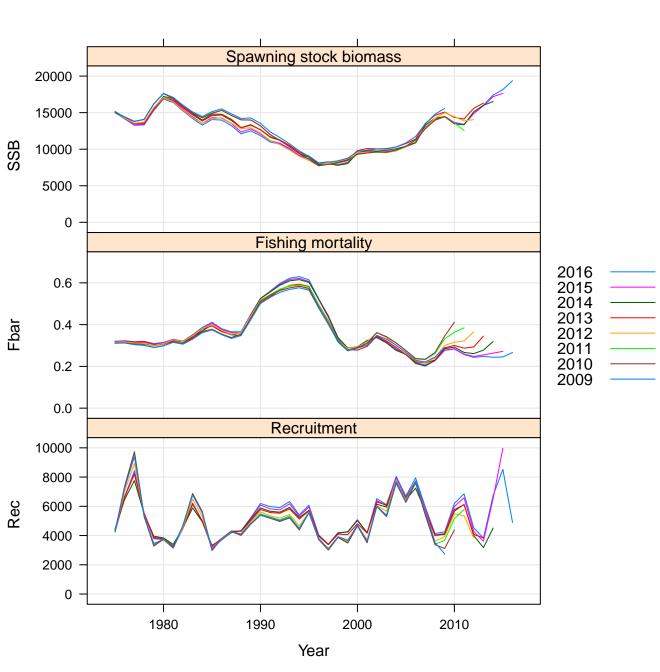


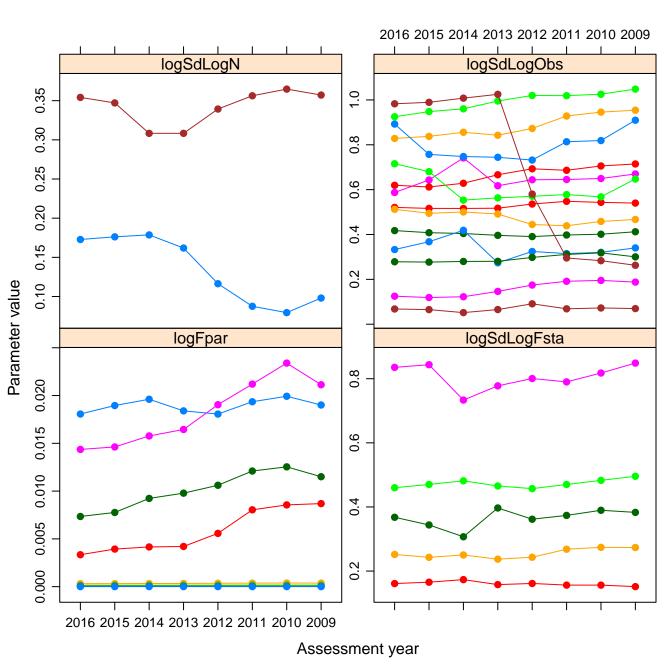
## Residuals by survey

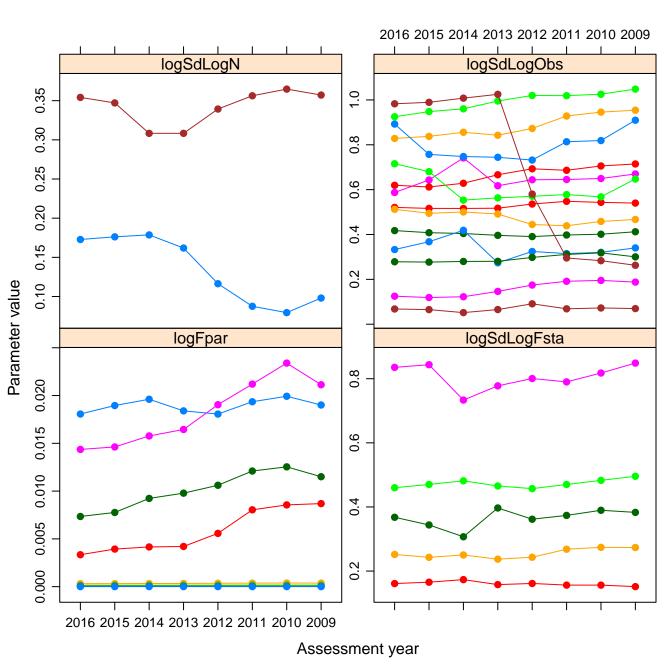


#### **SNS**









#### Retrospective pattern in F at age

