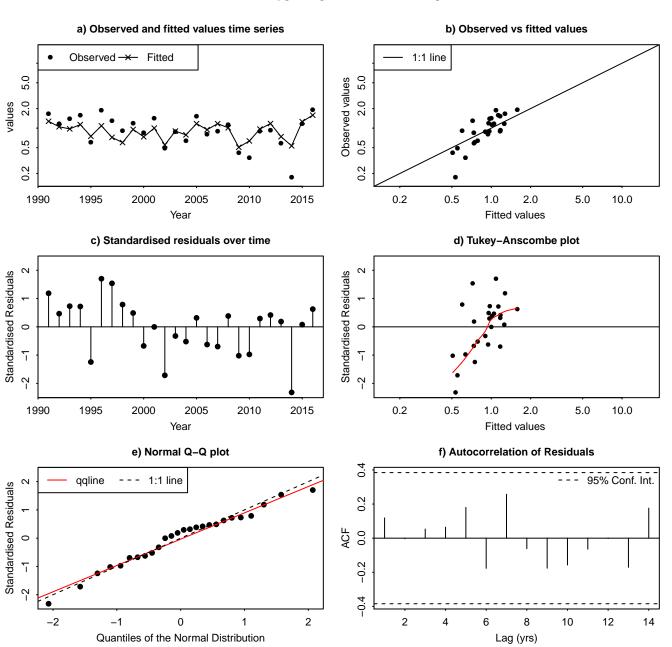
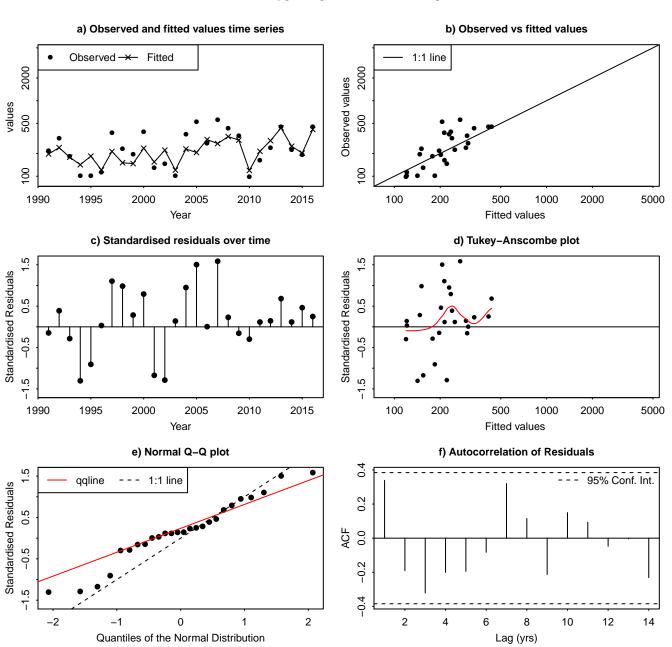


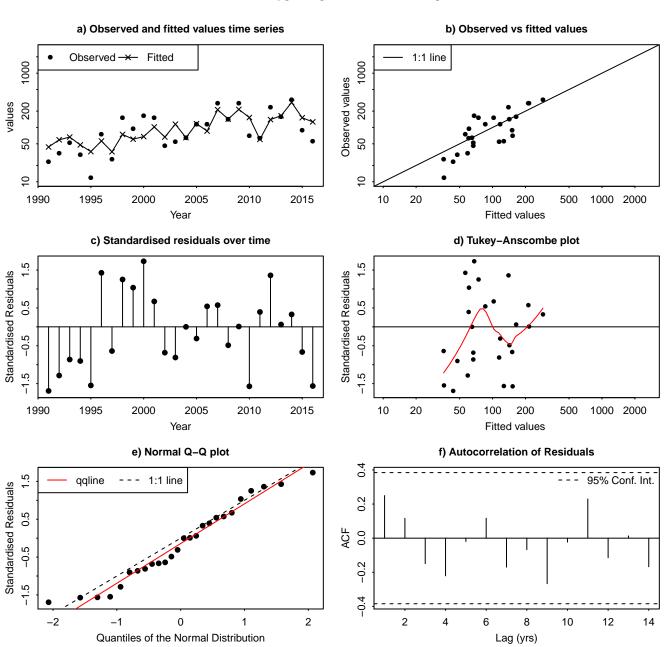
Turbot in IV pg 6 Diagnostics - BTS-ISIS, age 2

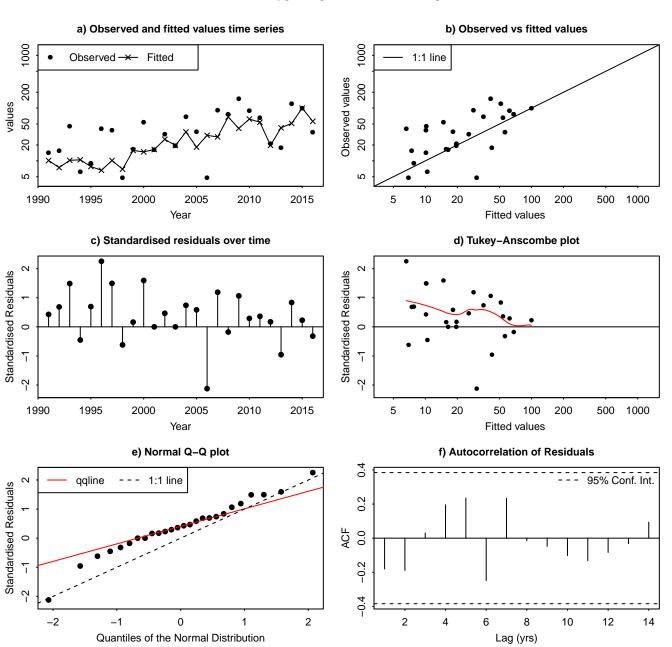


Turbot in IV pg 6 Diagnostics - BTS-ISIS, age 3

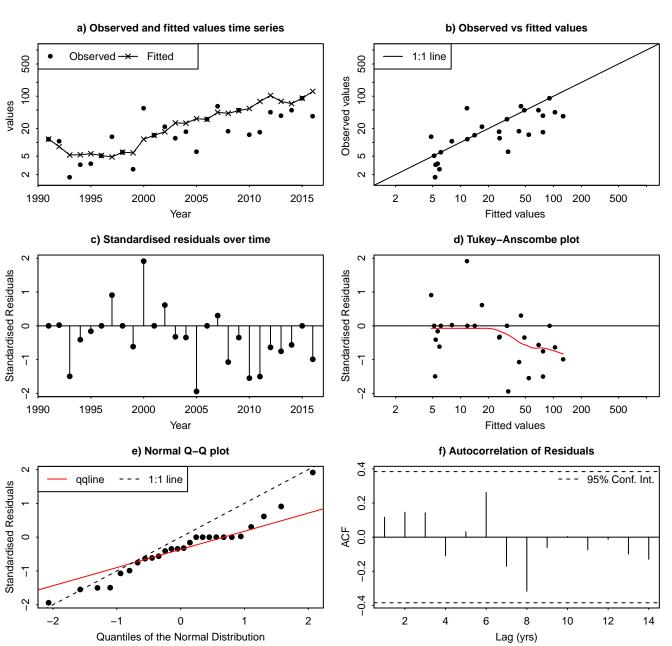


Turbot in IV pg 6 Diagnostics - BTS-ISIS, age 4

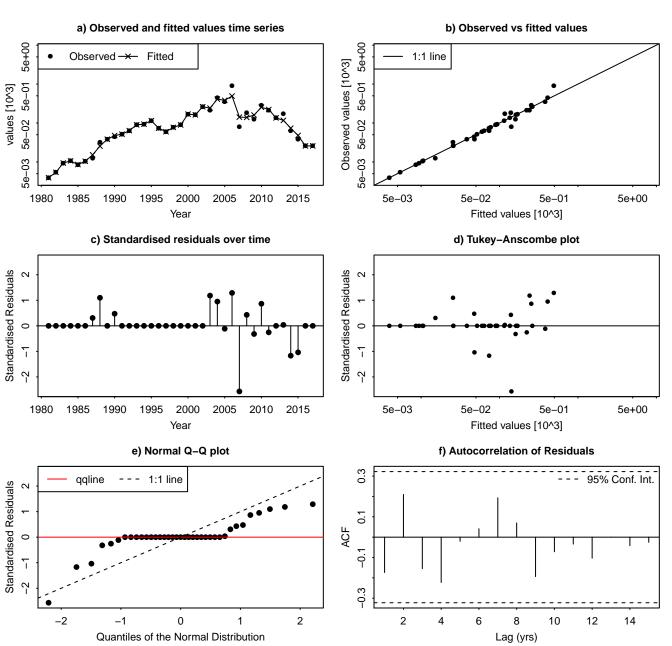




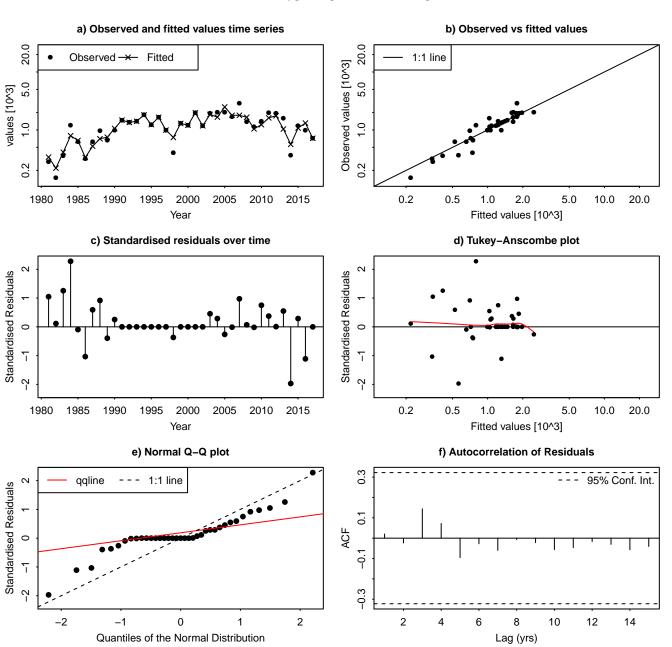
Turbot in IV pg 6 Diagnostics - BTS-ISIS, age 6



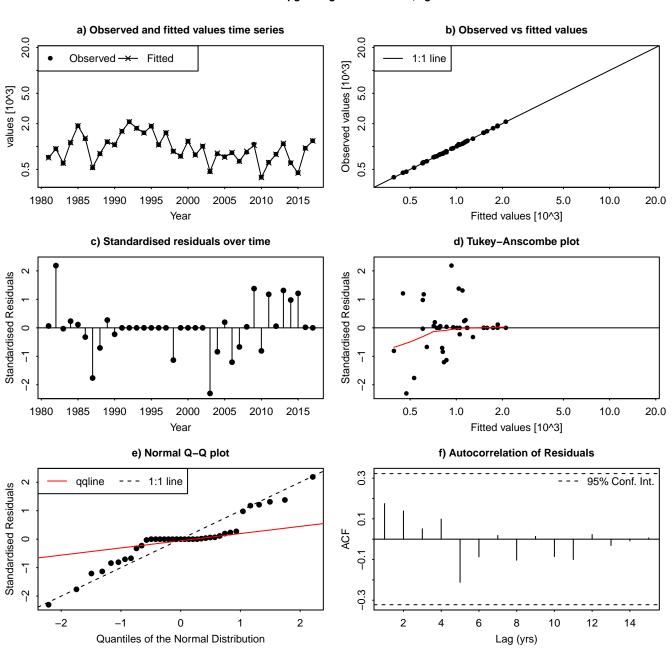
Turbot in IV pg 6 Diagnostics – catch, age 1



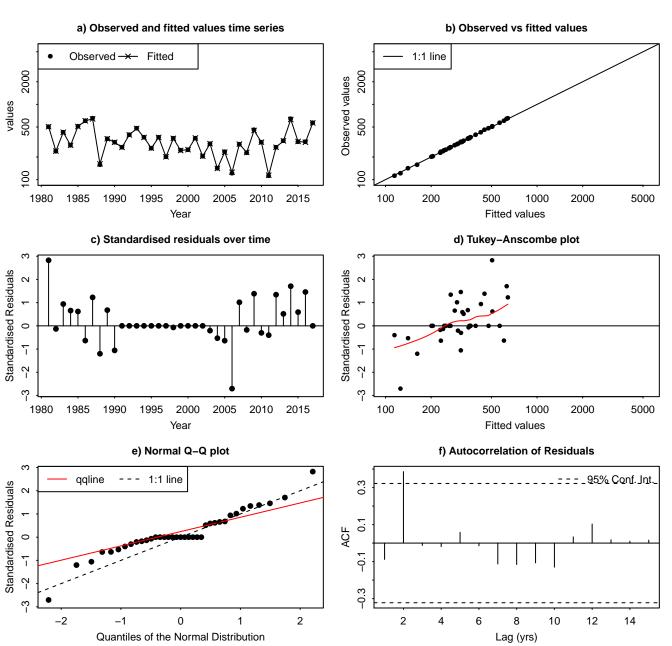
Turbot in IV pg 6 Diagnostics – catch, age 2



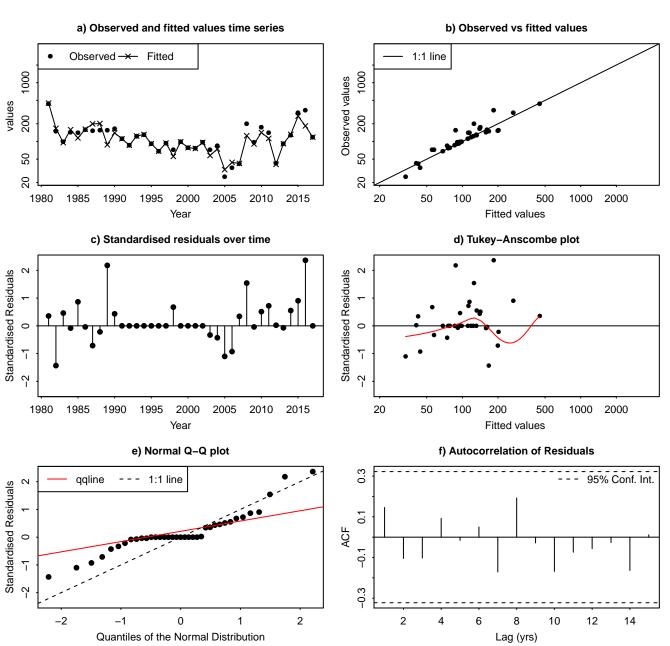
Turbot in IV pg 6 Diagnostics – catch, age 3



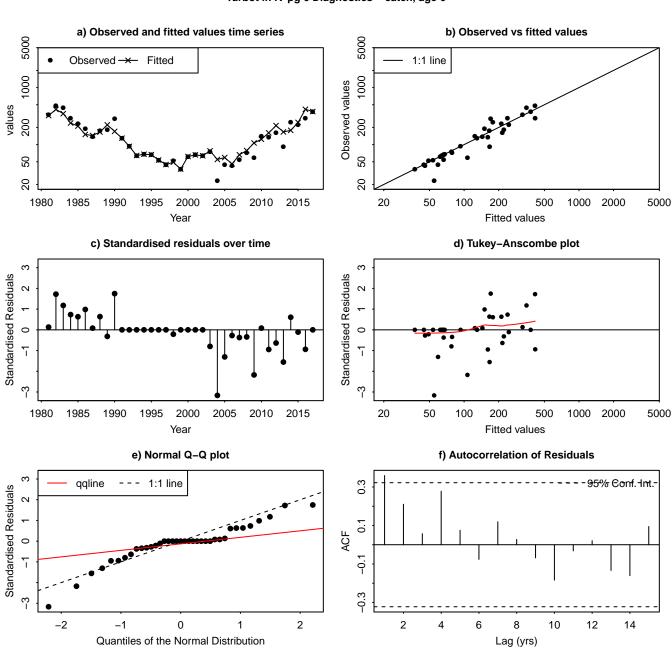
Turbot in IV pg 6 Diagnostics – catch, age 4



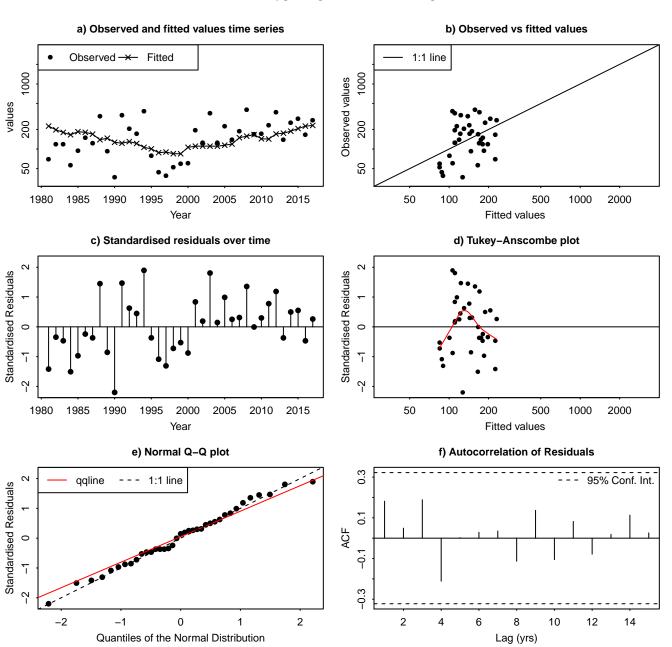
Turbot in IV pg 6 Diagnostics – catch, age 5



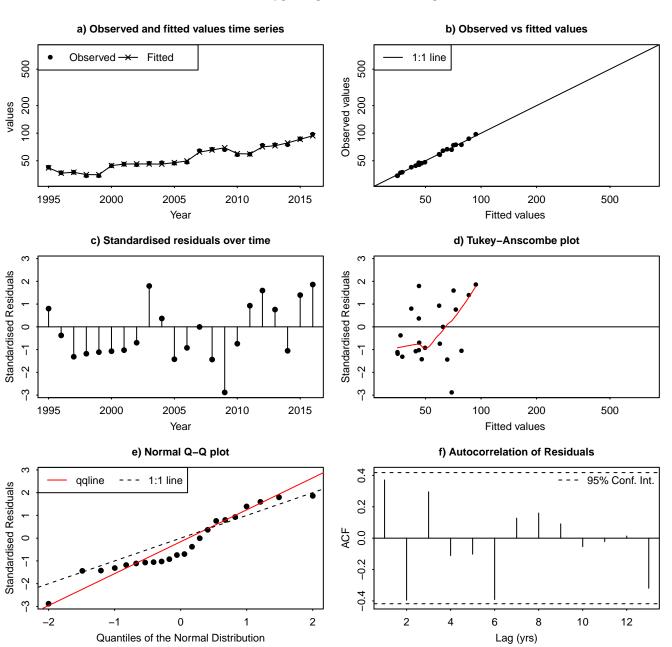
Turbot in IV pg 6 Diagnostics – catch, age 6



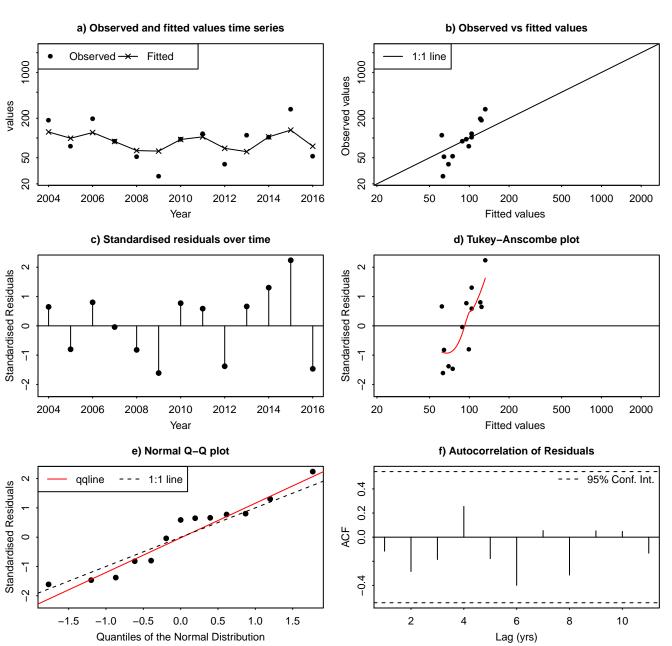
Turbot in IV pg 6 Diagnostics - IBTS\_Q1, age -1



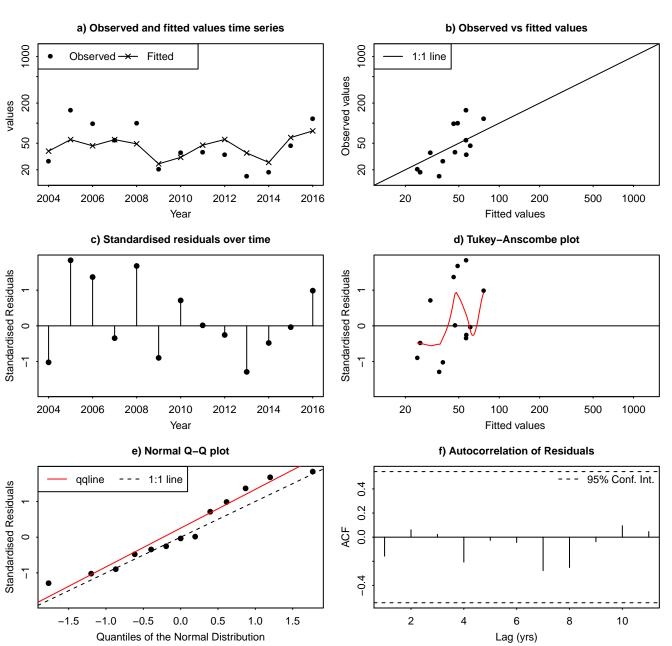
Turbot in IV pg 6 Diagnostics - NL\_LPUE, age -1



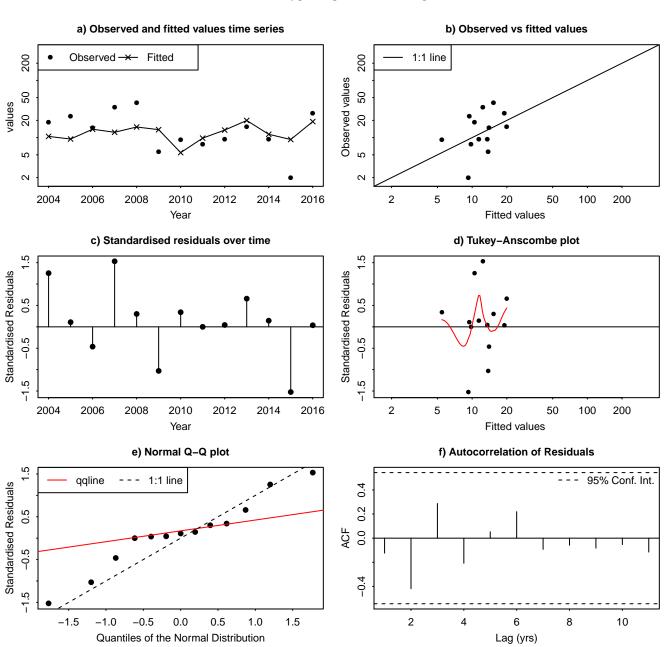
Turbot in IV pg 6 Diagnostics – SNS, age 1



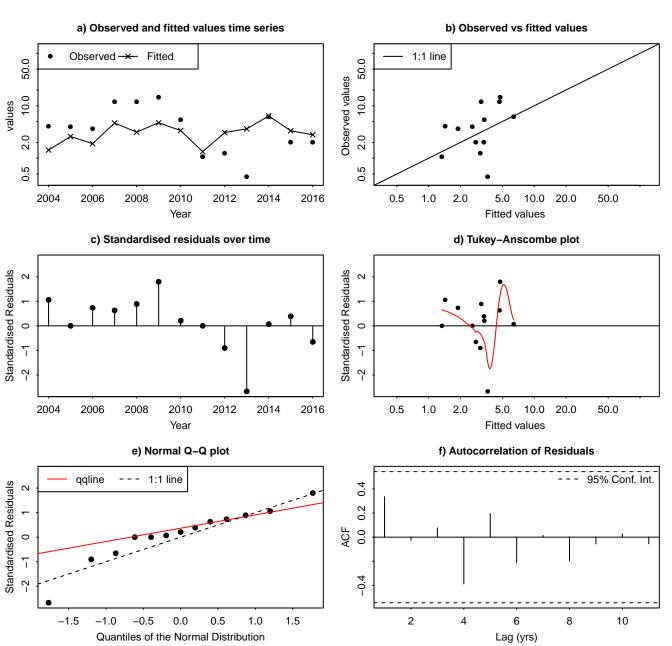
Turbot in IV pg 6 Diagnostics - SNS, age 2



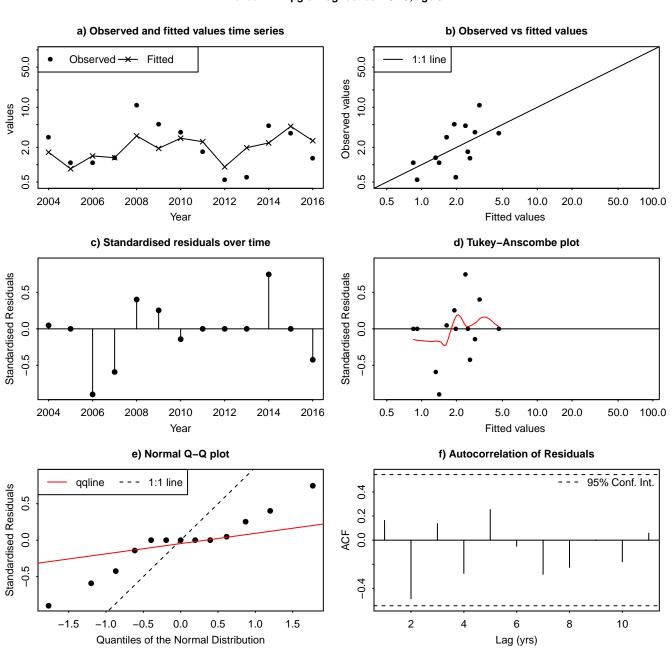
Turbot in IV pg 6 Diagnostics – SNS, age 3



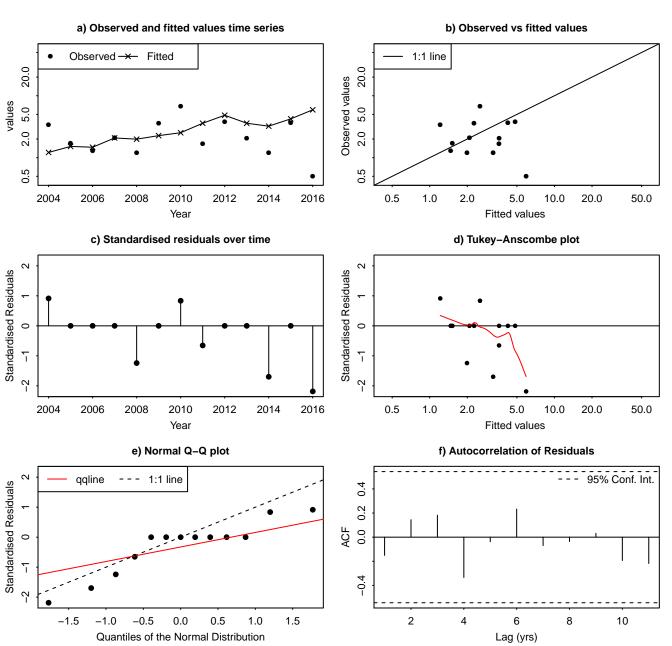
Turbot in IV pg 6 Diagnostics – SNS, age 4



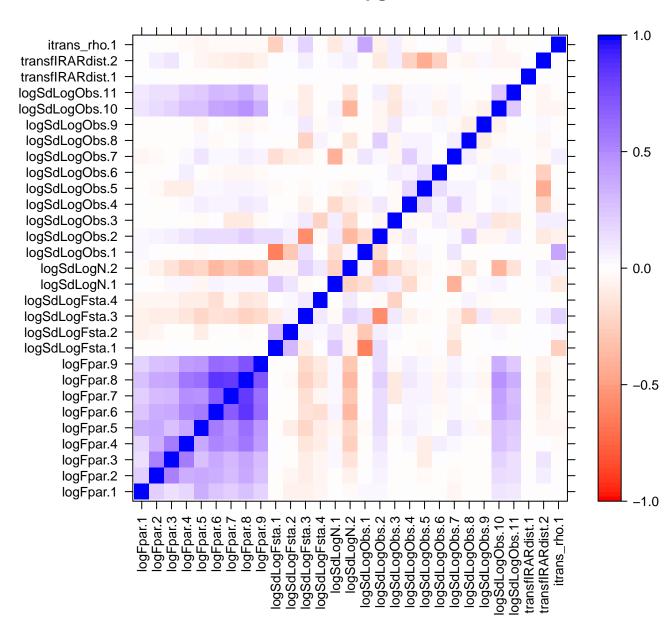
Turbot in IV pg 6 Diagnostics – SNS, age 5



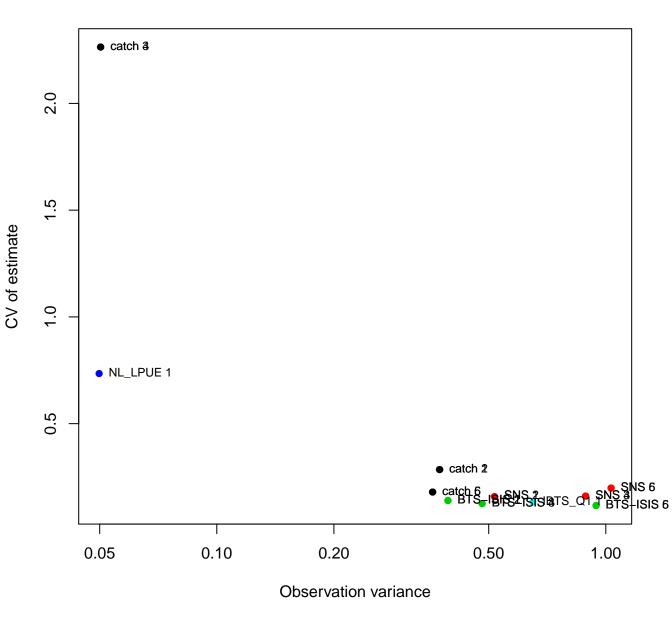
Turbot in IV pg 6 Diagnostics – SNS, age 6



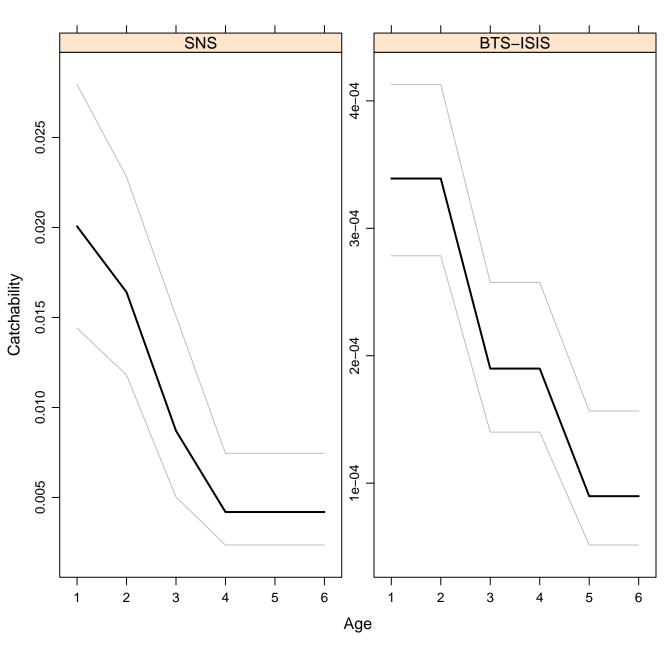
#### **Turbot in IV pg 6**



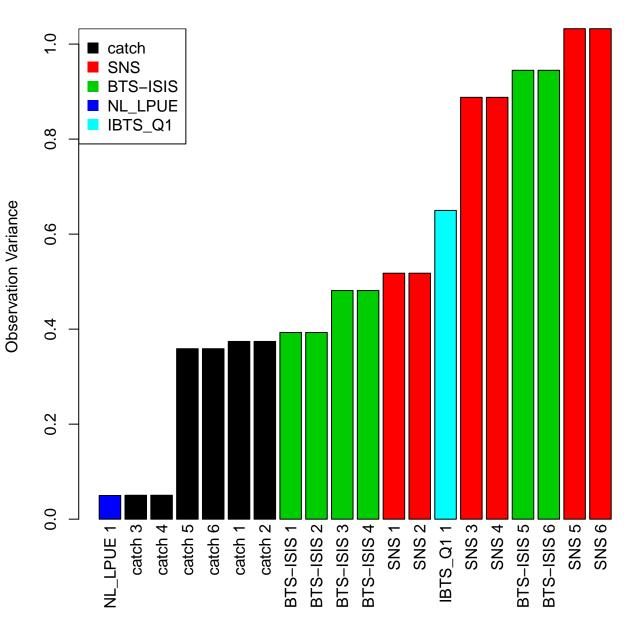
# Observation variance vs uncertainty



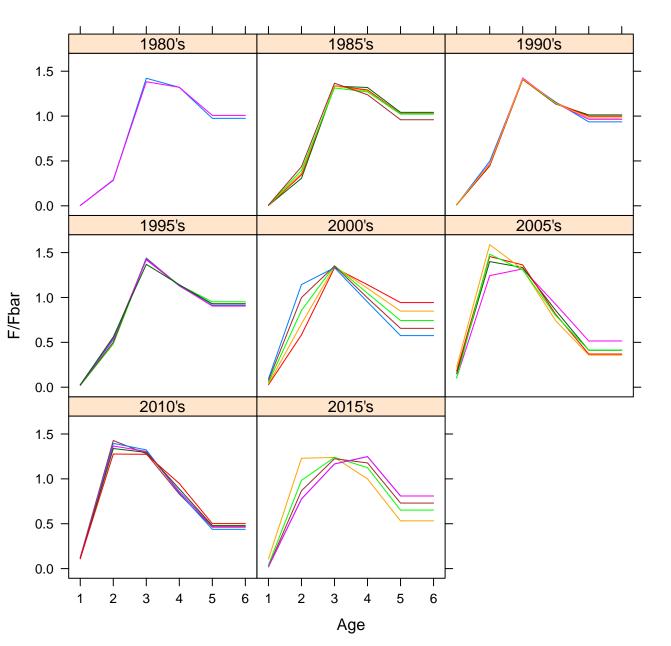
Survey catchability parameters



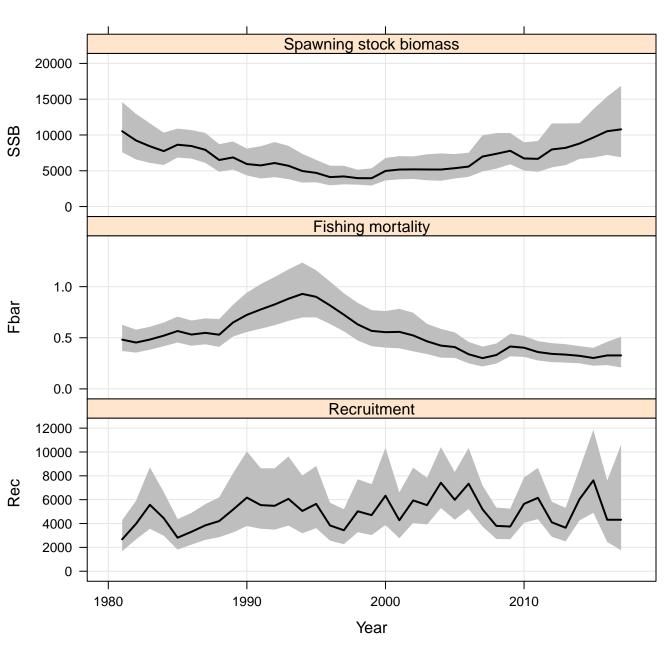
### Observation variances by data source



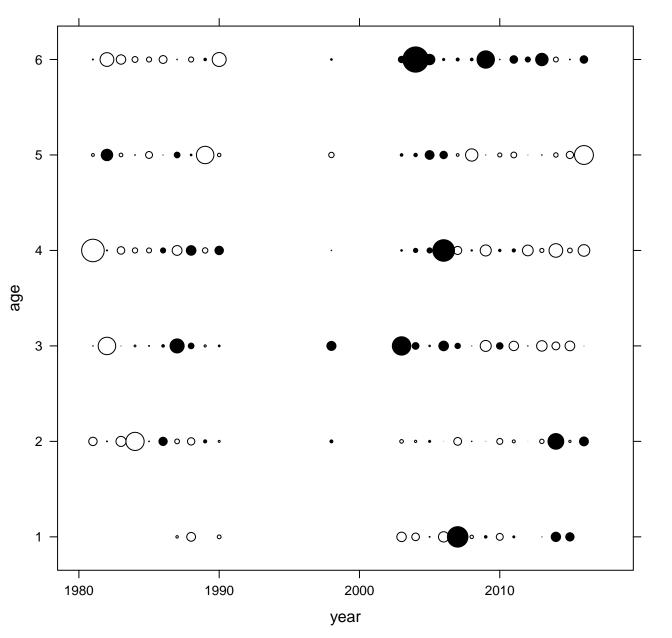
### Selectivity of the Fishery by Pentad



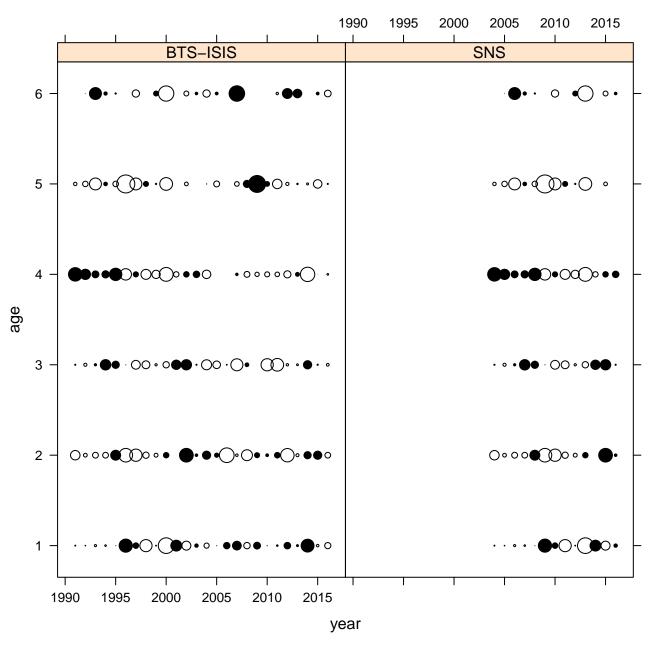
Turbot in IV pg 6



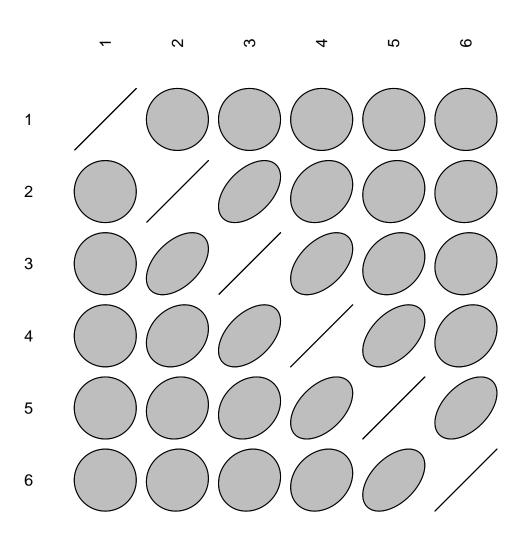
# Residuals by year Catch

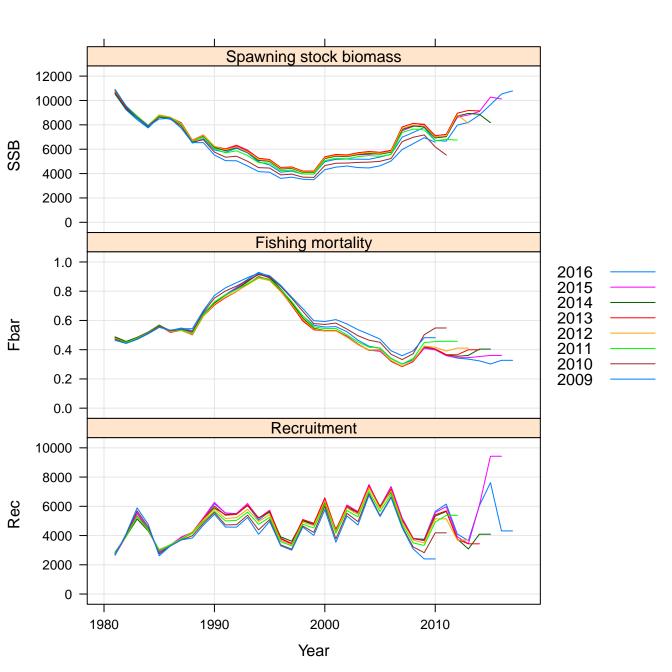


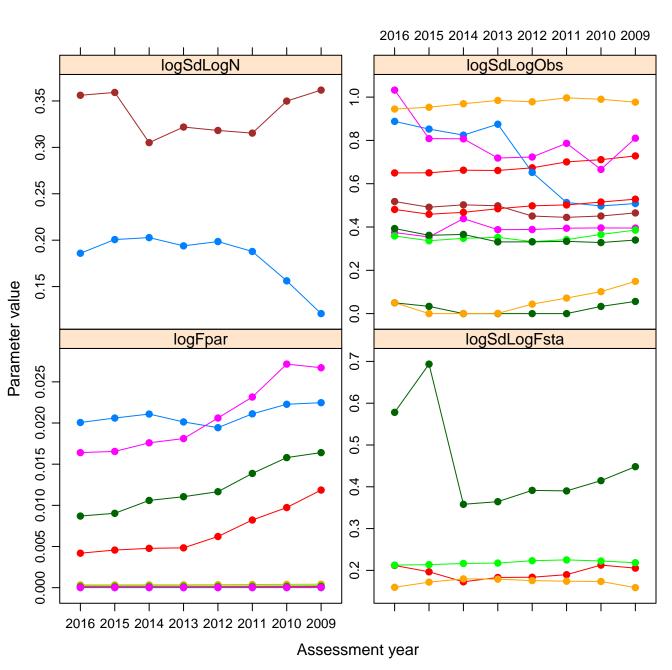
## Residuals by survey

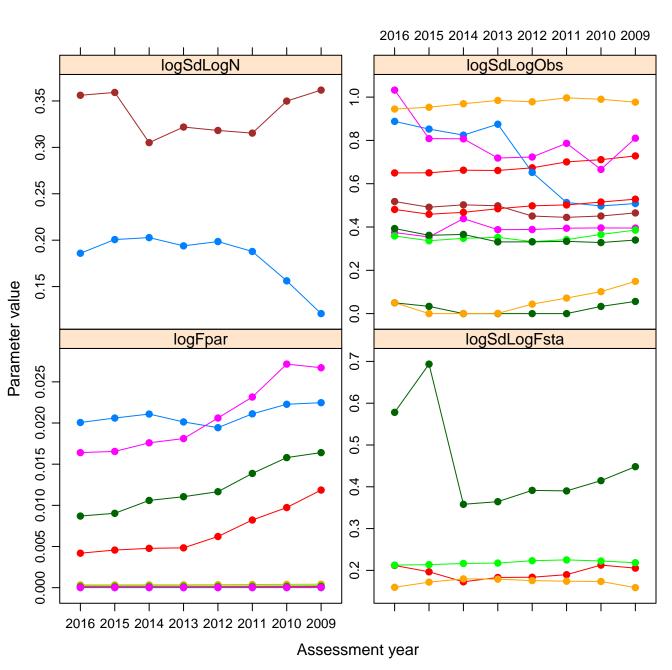


### **SNS**









### Retrospective pattern in F at age

