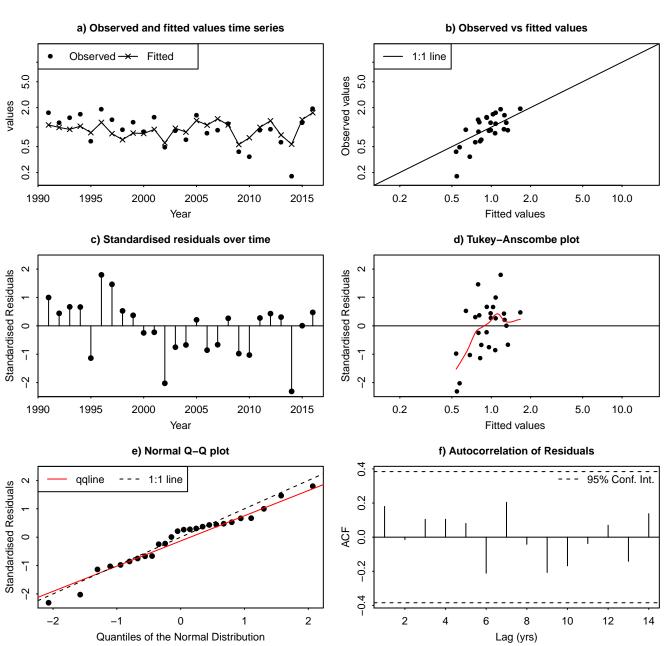
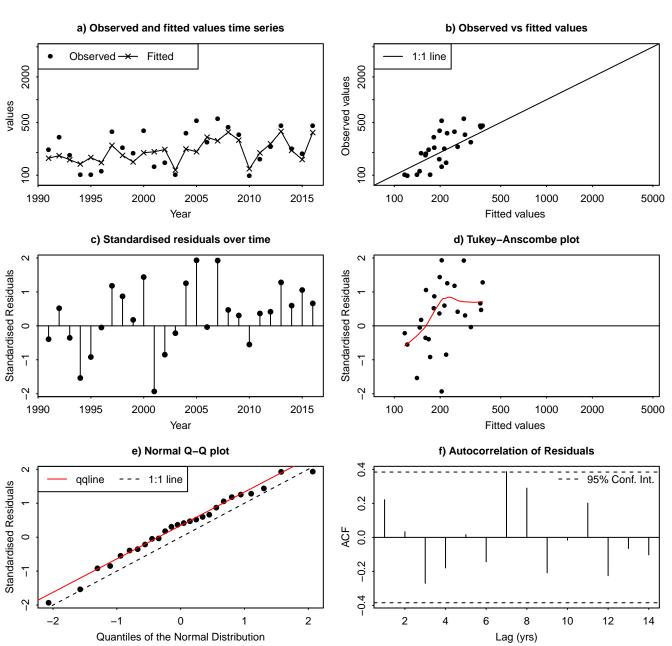


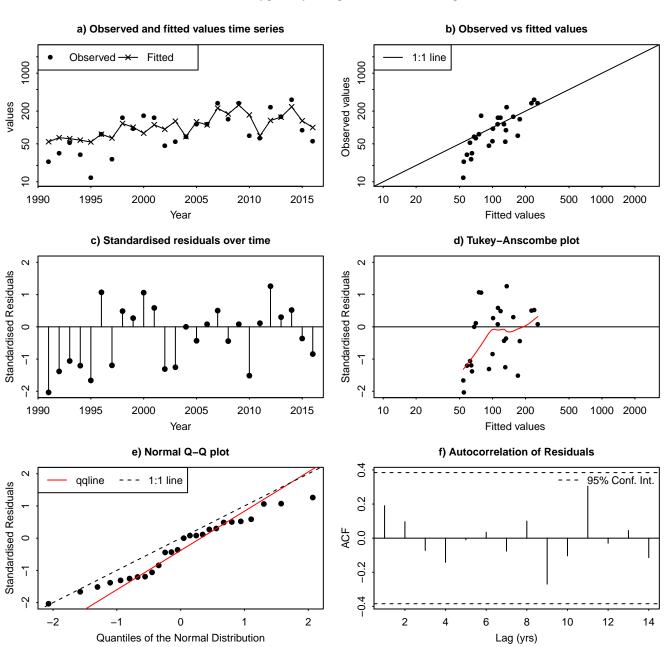
#### Turbot in IV pgSurvey 5 Diagnostics - BTS-ISIS, age 2



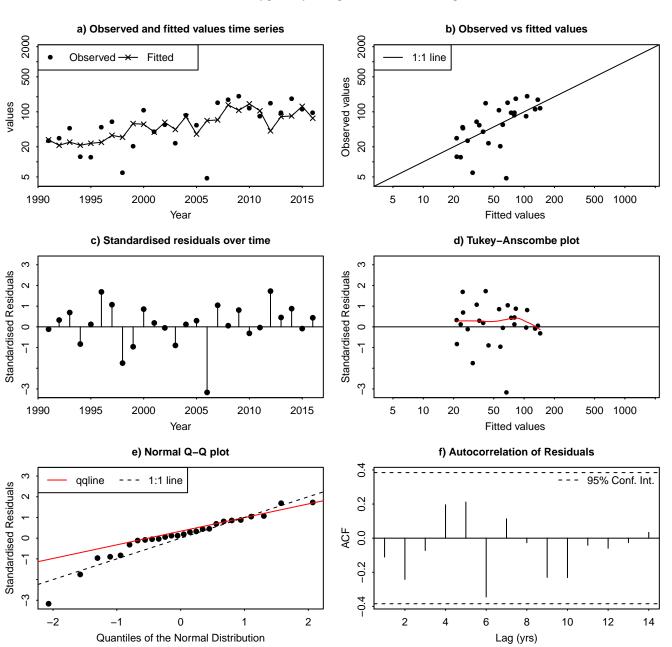
Turbot in IV pgSurvey 5 Diagnostics - BTS-ISIS, age 3



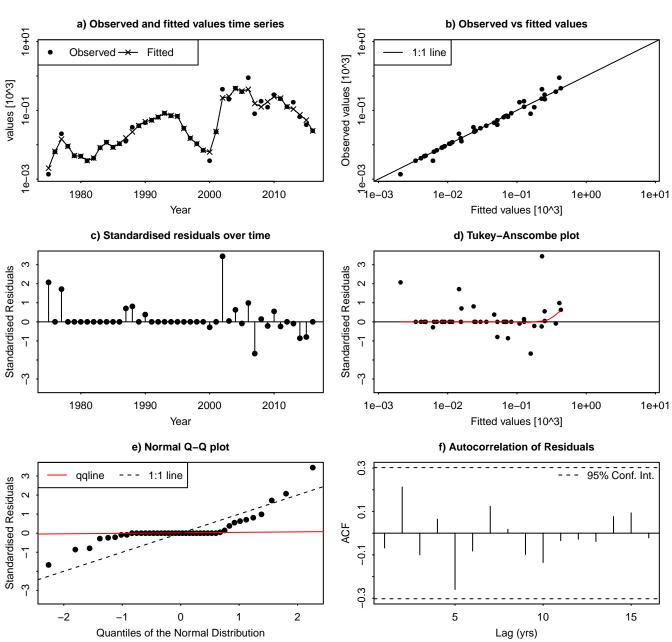
Turbot in IV pgSurvey 5 Diagnostics - BTS-ISIS, age 4



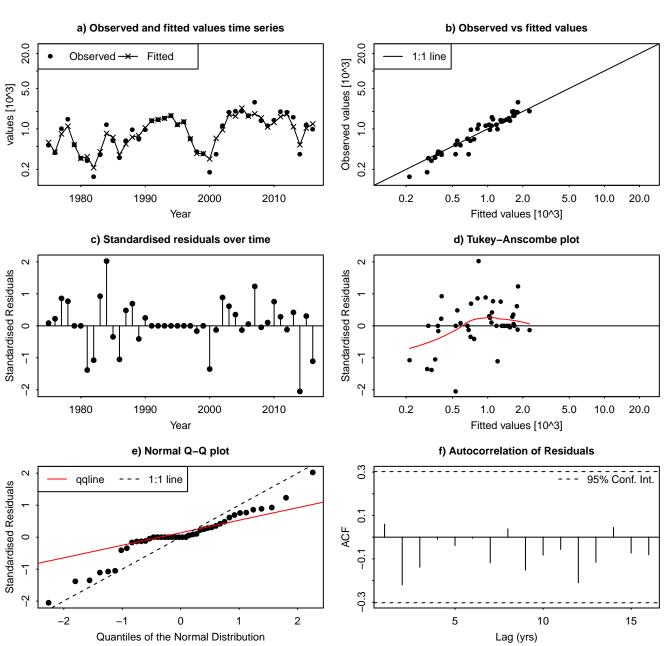
Turbot in IV pgSurvey 5 Diagnostics – BTS-ISIS, age 5



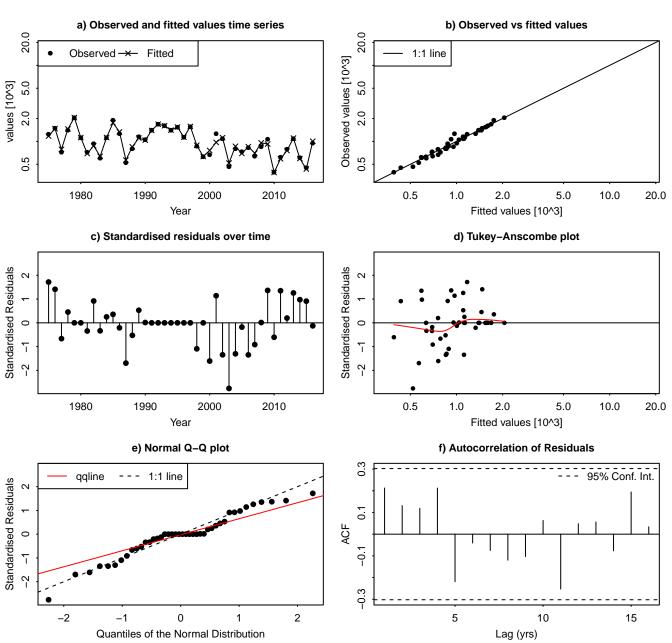
Turbot in IV pgSurvey 5 Diagnostics – catch, age 1

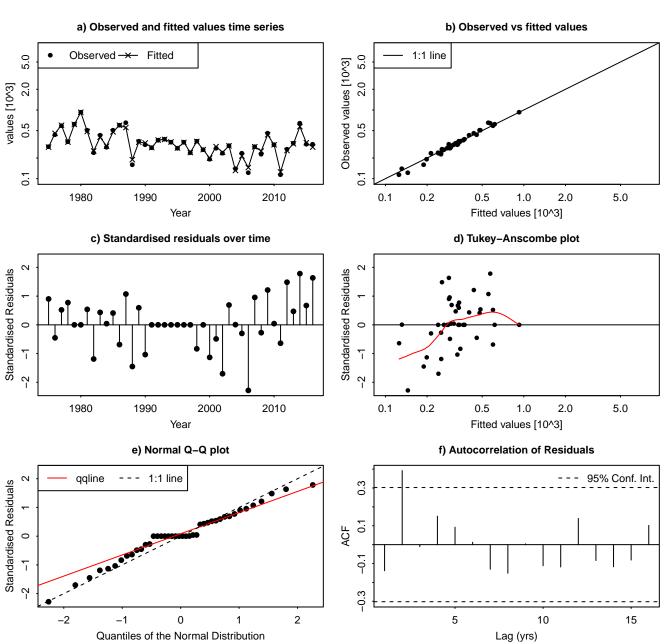


Turbot in IV pgSurvey 5 Diagnostics – catch, age 2

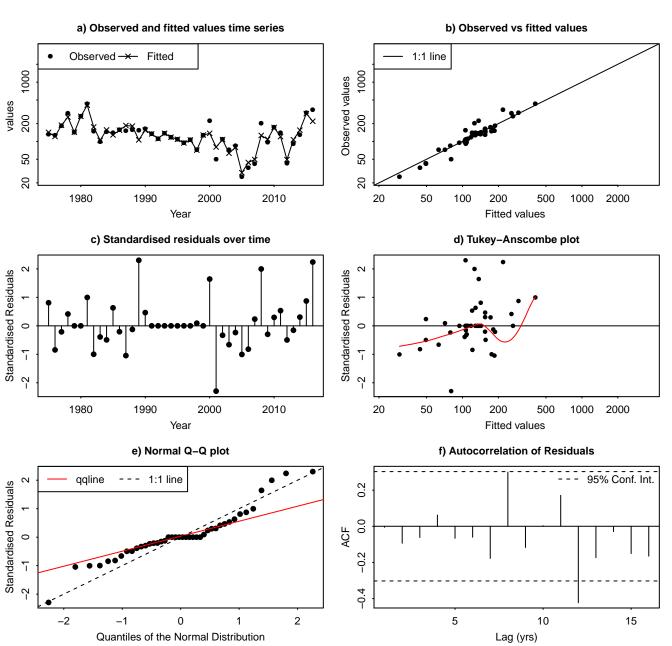


Turbot in IV pgSurvey 5 Diagnostics – catch, age 3

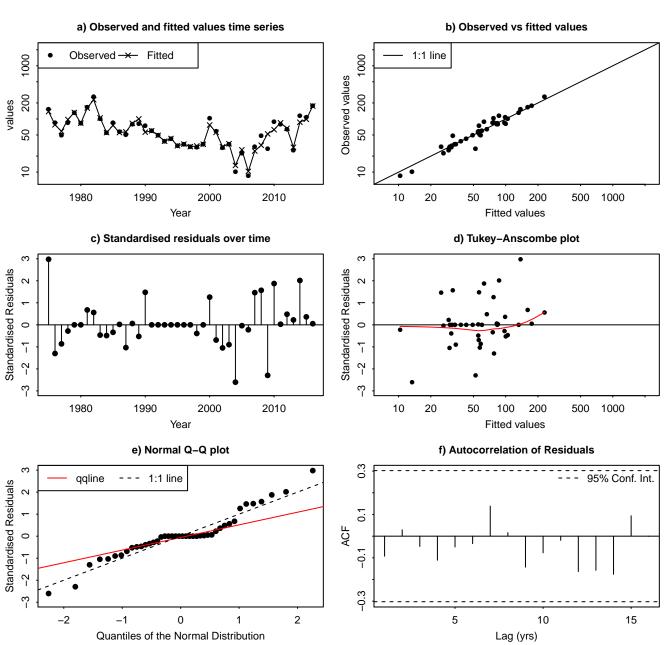


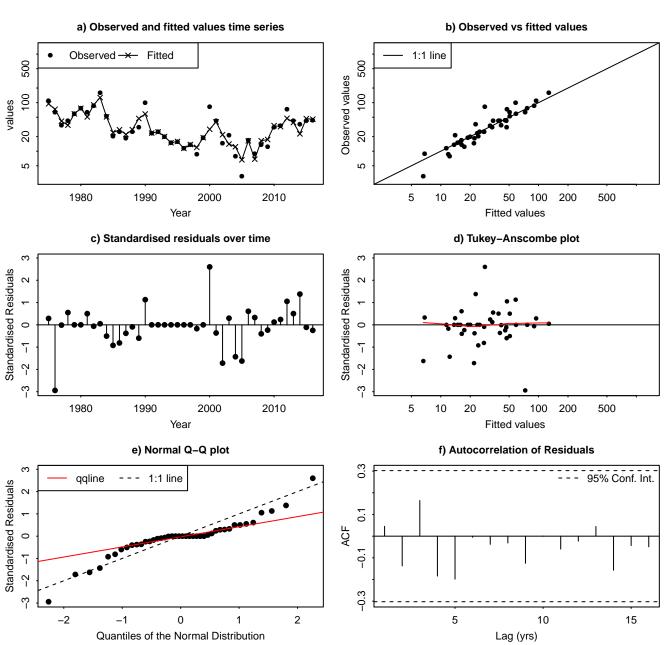


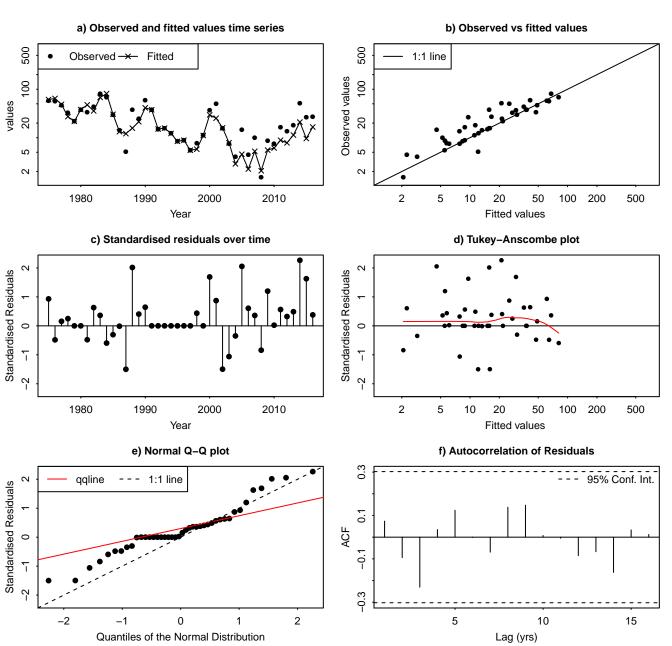
Turbot in IV pgSurvey 5 Diagnostics – catch, age 5



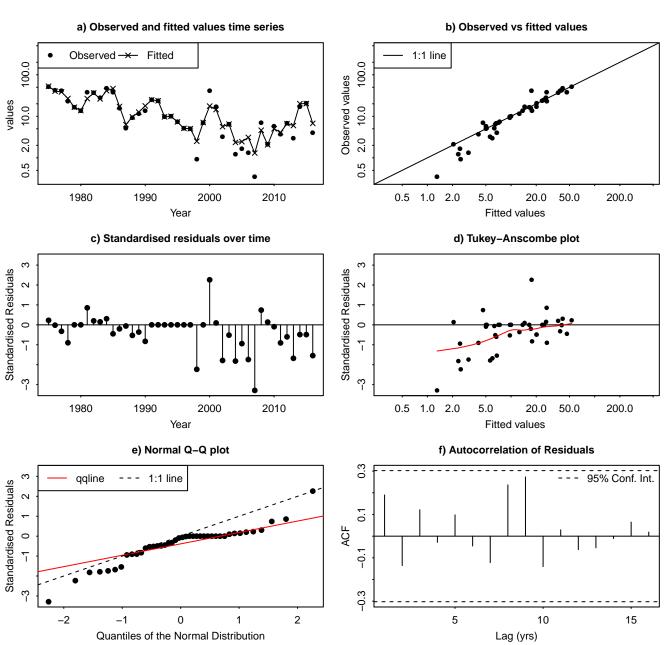
Turbot in IV pgSurvey 5 Diagnostics - catch, age 6

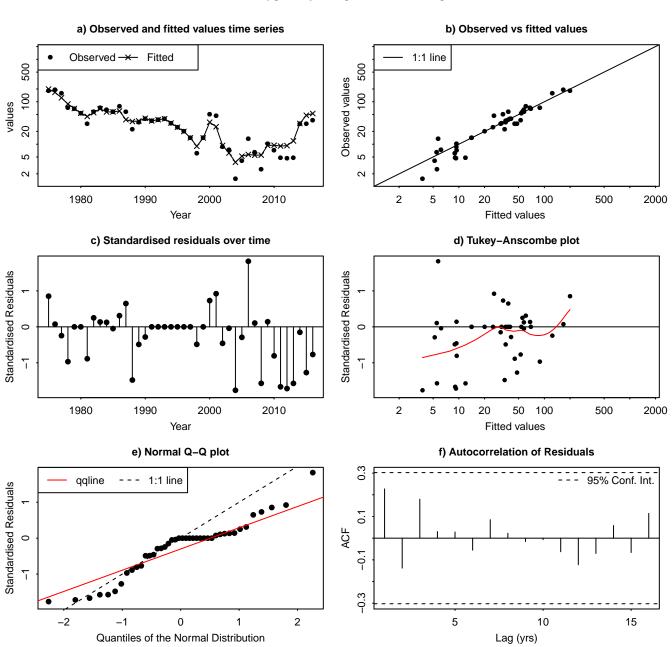


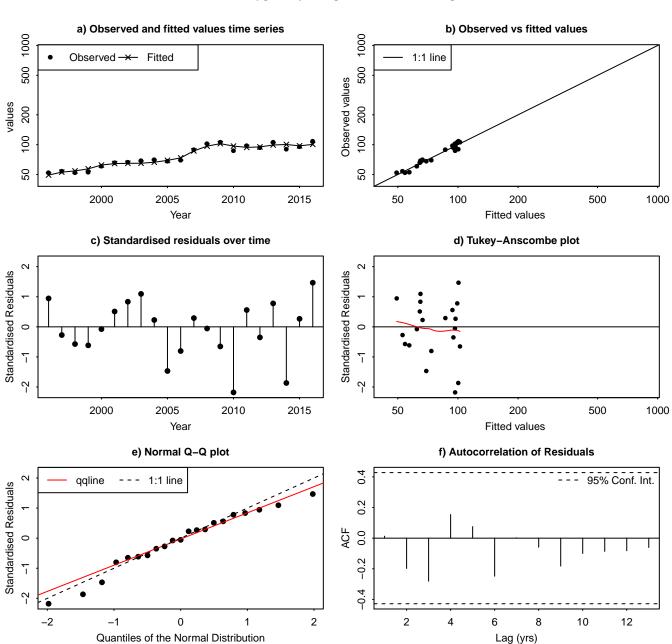


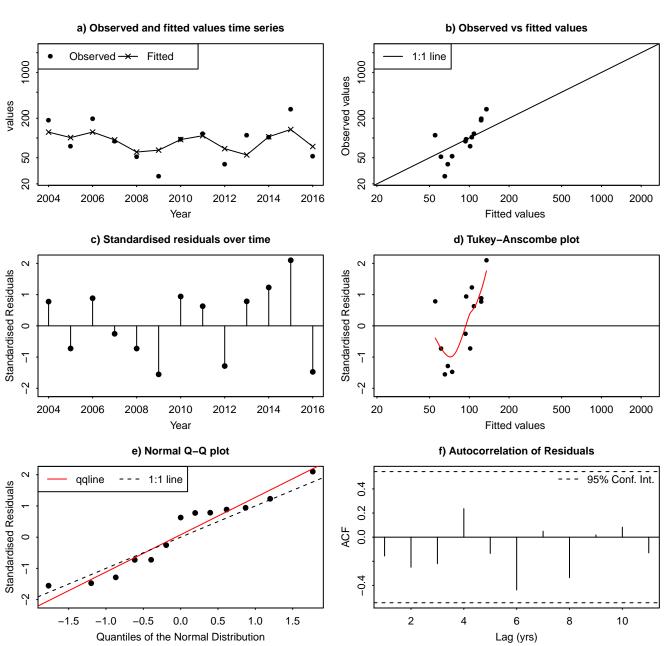


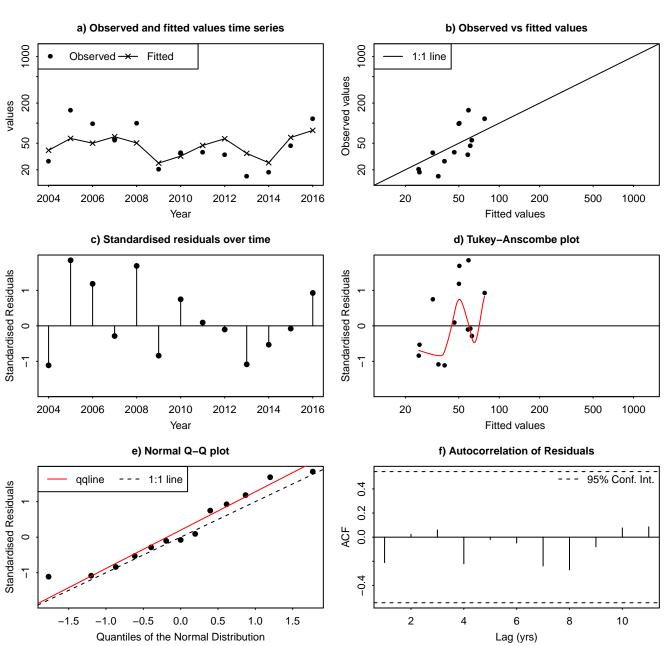
Turbot in IV pgSurvey 5 Diagnostics - catch, age 9

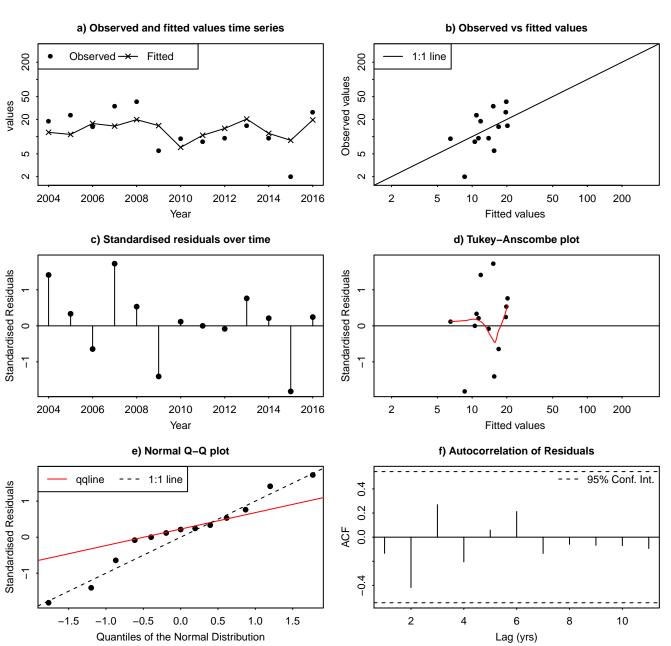


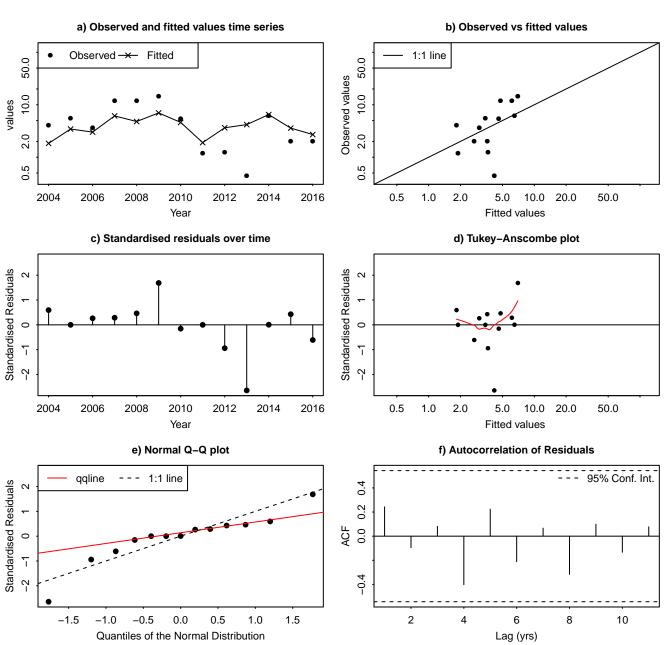


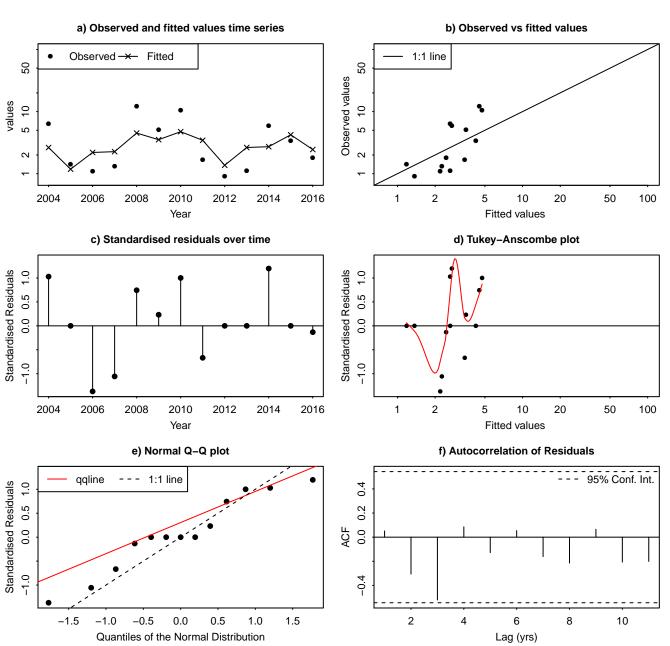




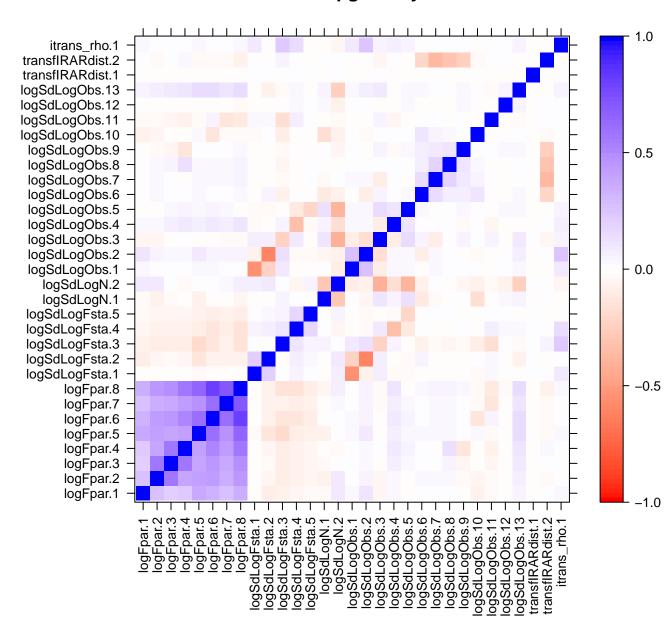




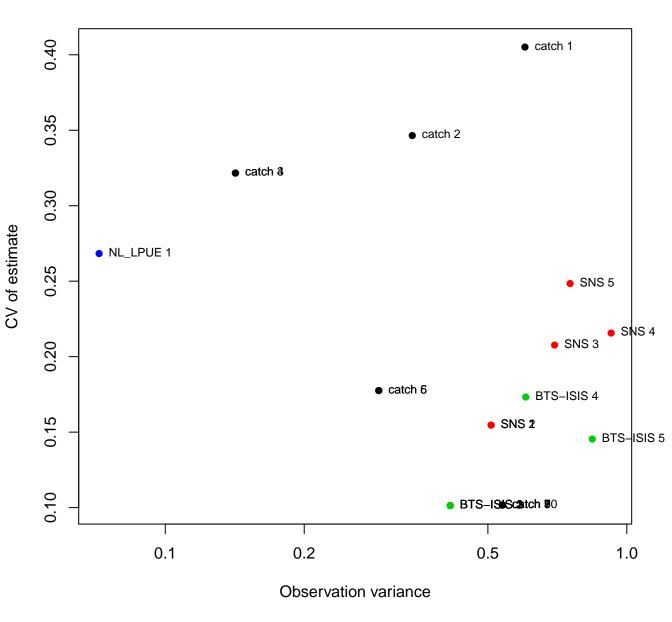




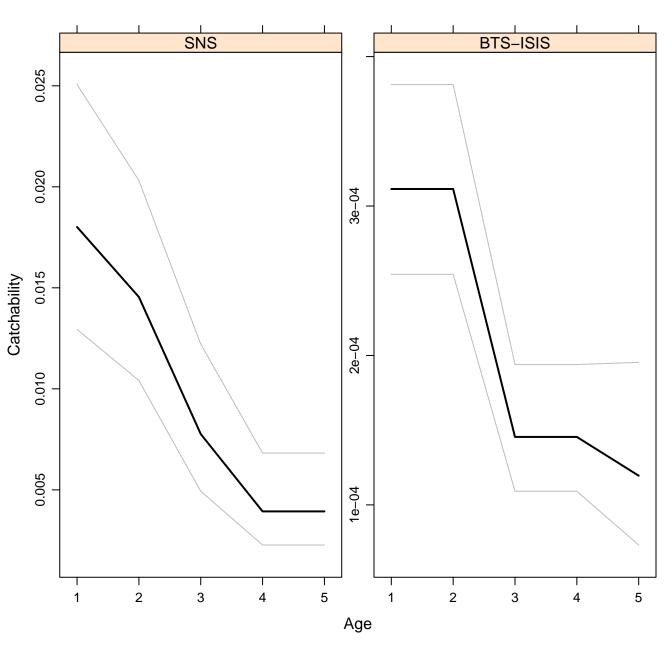
### Turbot in IV pgSurvey 5



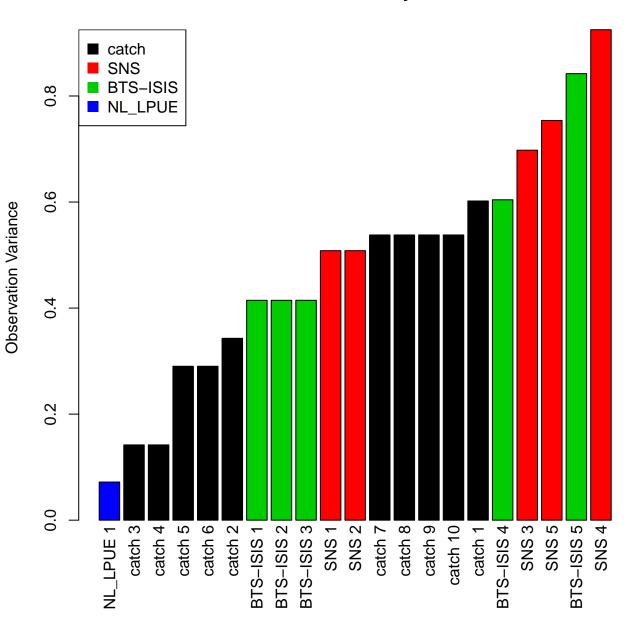
## **Observation variance vs uncertainty**



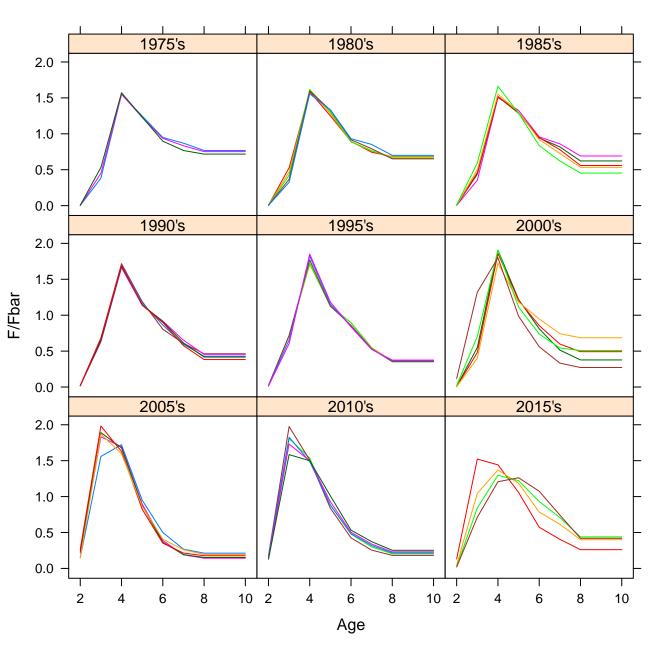
Survey catchability parameters



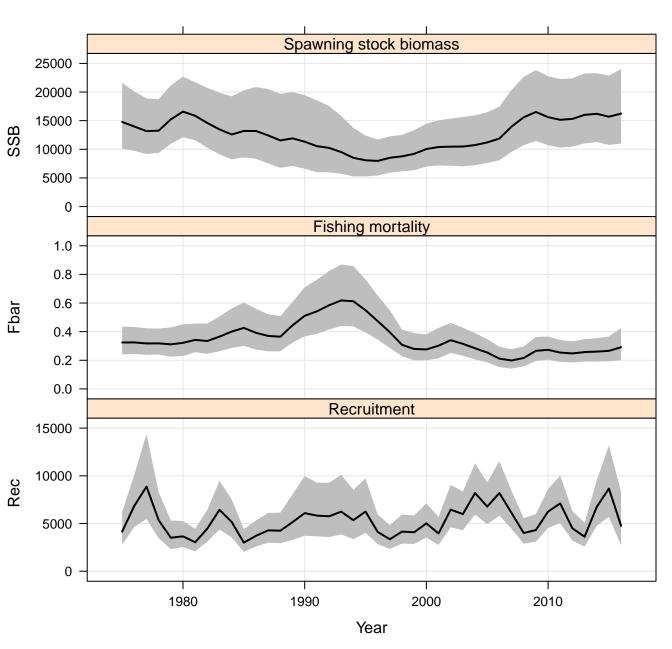
## Observation variances by data source



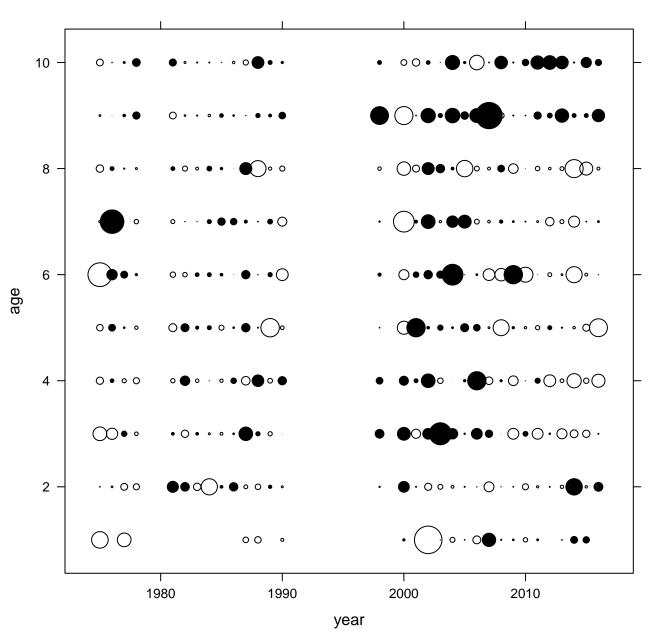
## Selectivity of the Fishery by Pentad



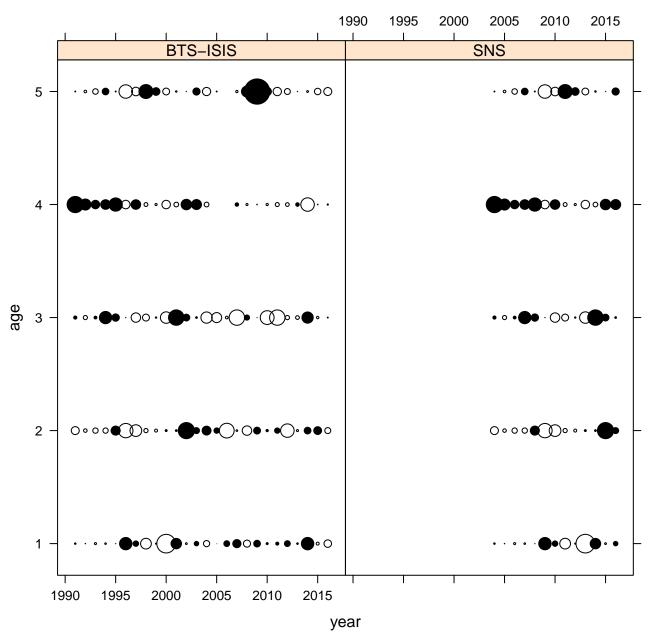
**Turbot in IV pgSurvey 5** 



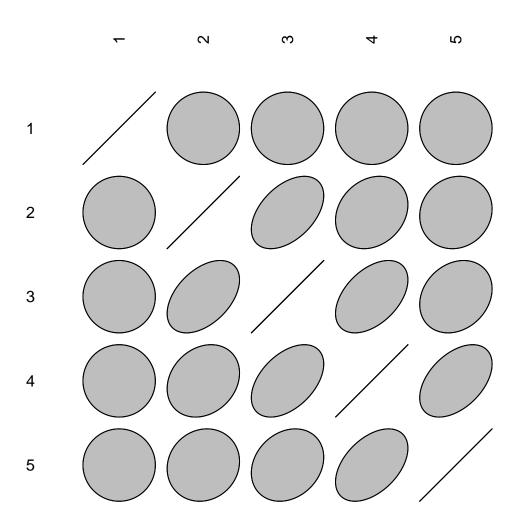
# Residuals by year Catch

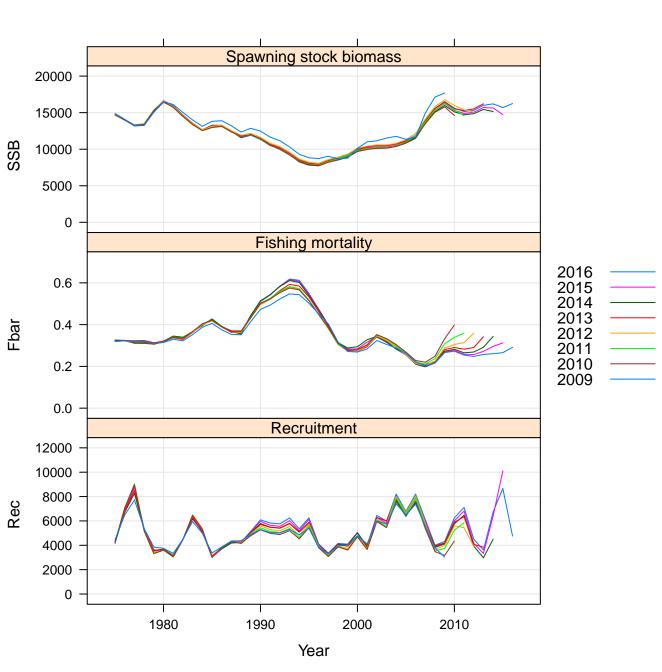


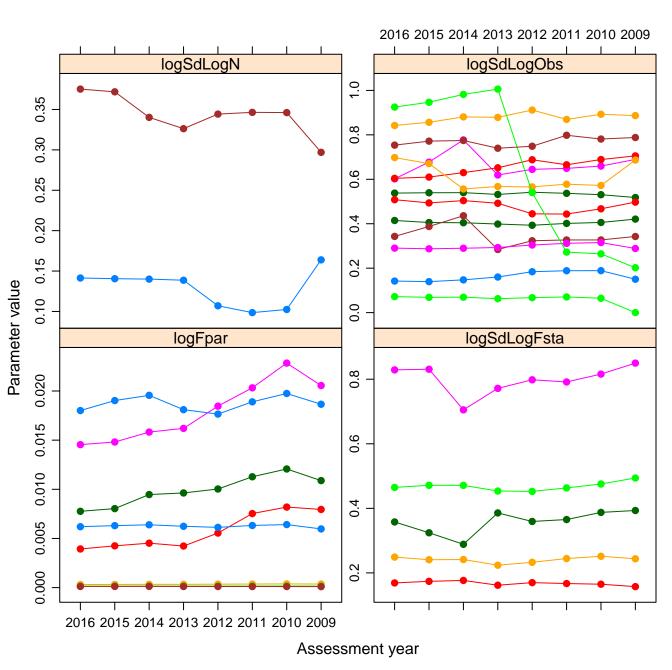
# Residuals by survey

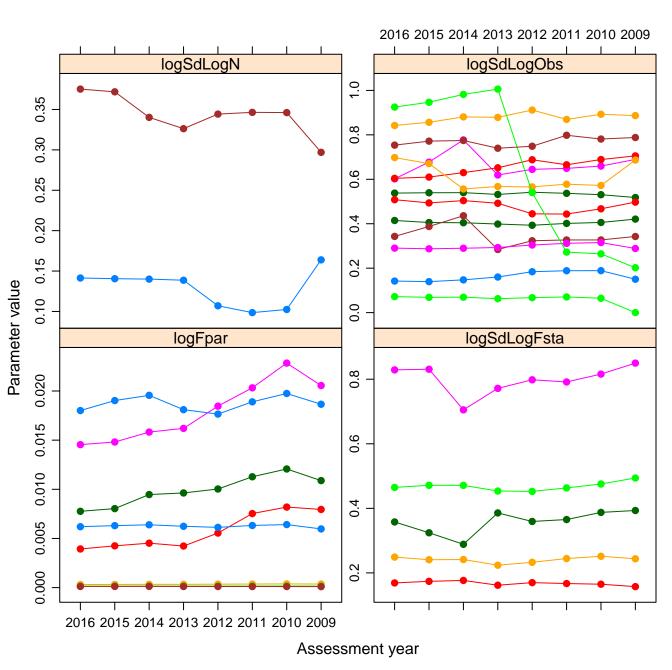


# SNS









## Retrospective pattern in F at age

