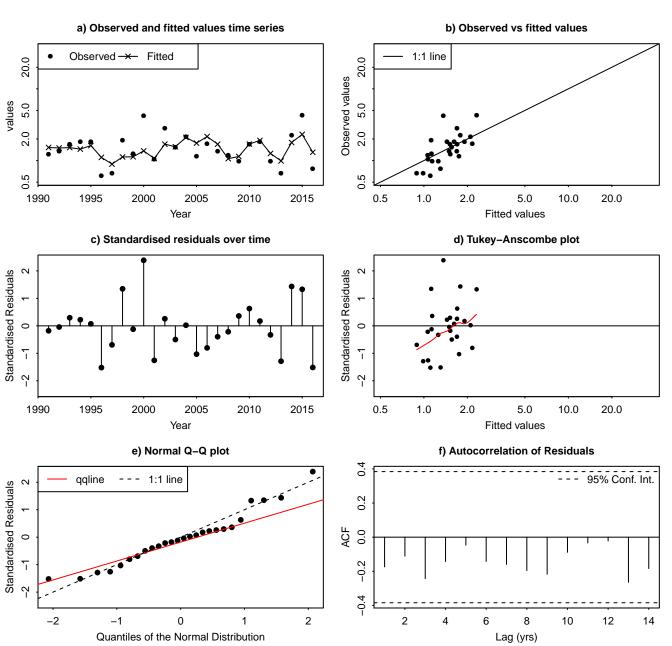
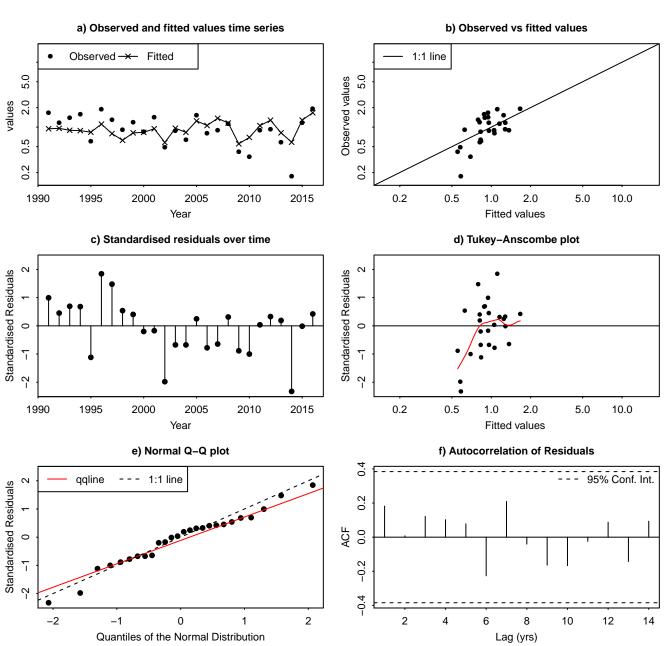
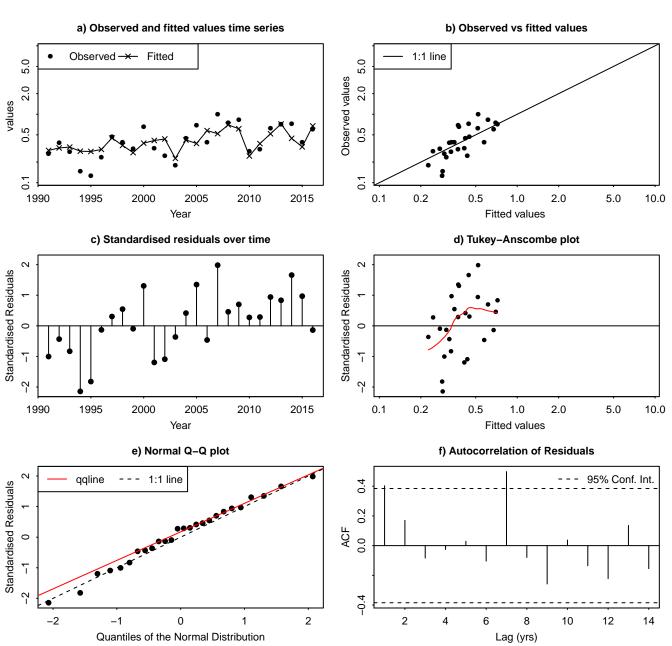
#### Turbot in IV pgSurvey 3 Diagnostics - BTS-ISIS, age 1



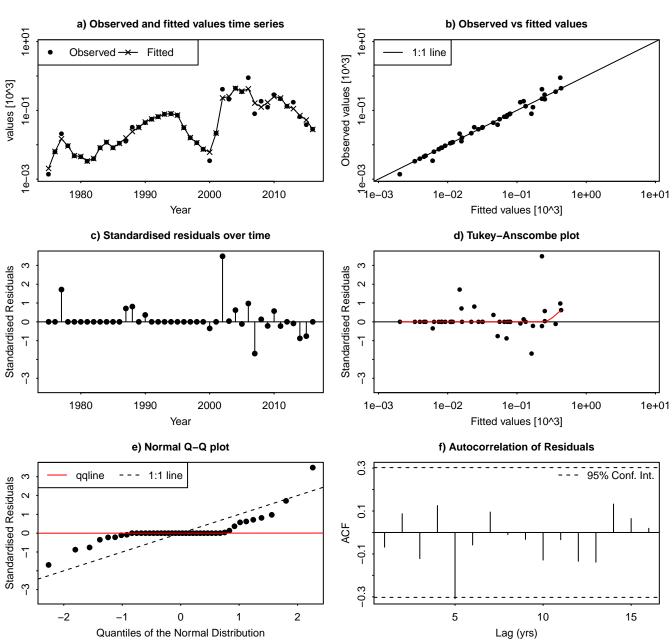
#### Turbot in IV pgSurvey 3 Diagnostics - BTS-ISIS, age 2



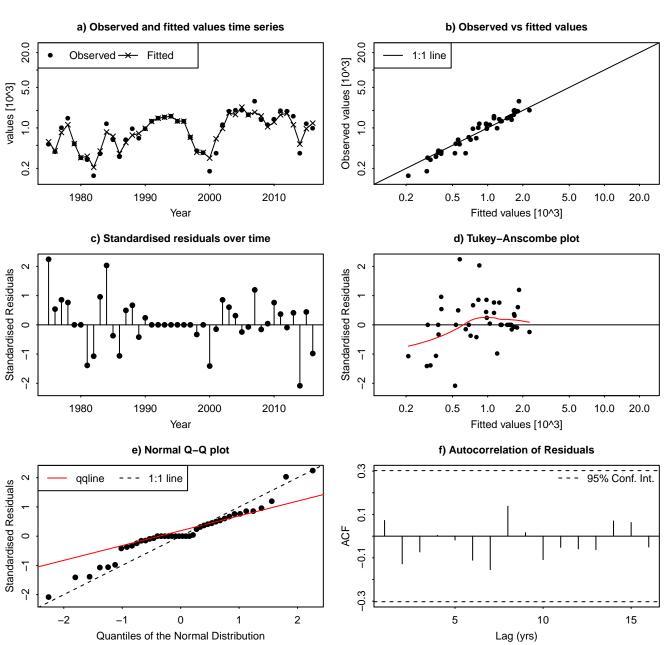
Turbot in IV pgSurvey 3 Diagnostics - BTS-ISIS, age 3



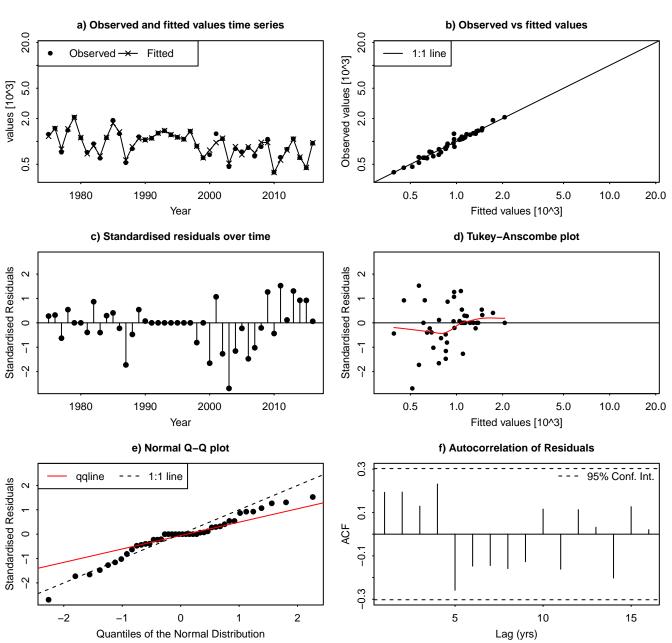
Turbot in IV pgSurvey 3 Diagnostics – catch, age 1

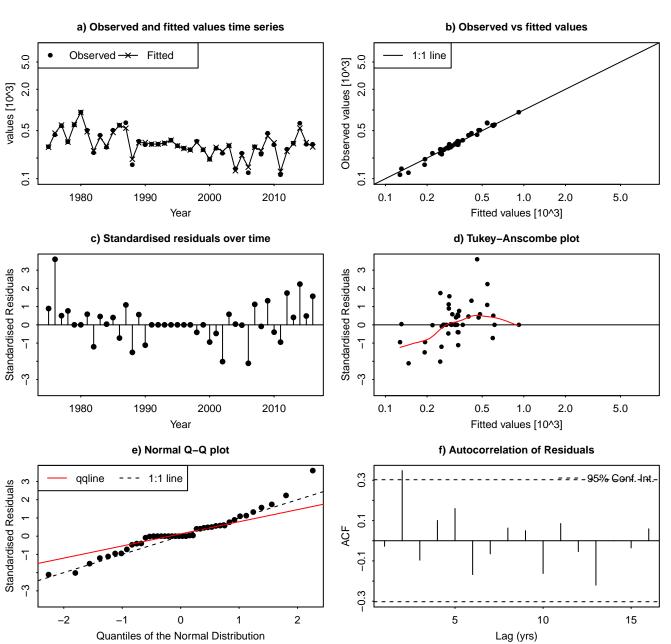


Turbot in IV pgSurvey 3 Diagnostics - catch, age 2

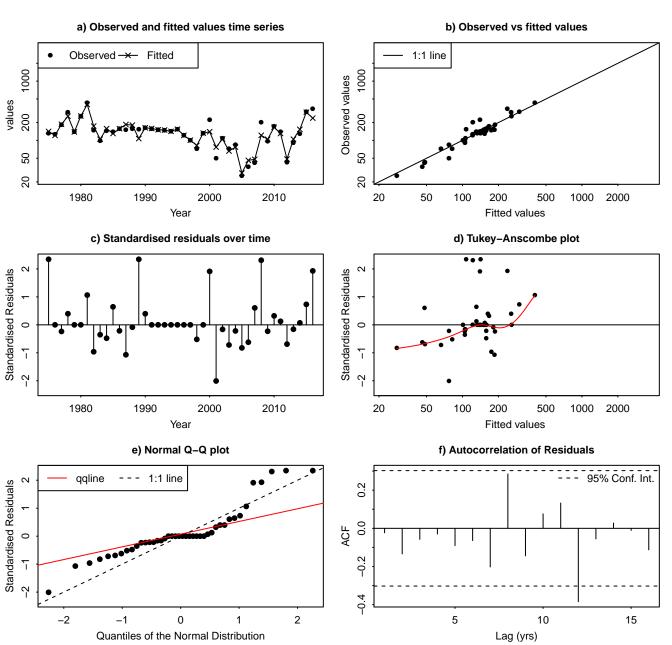


Turbot in IV pgSurvey 3 Diagnostics – catch, age 3

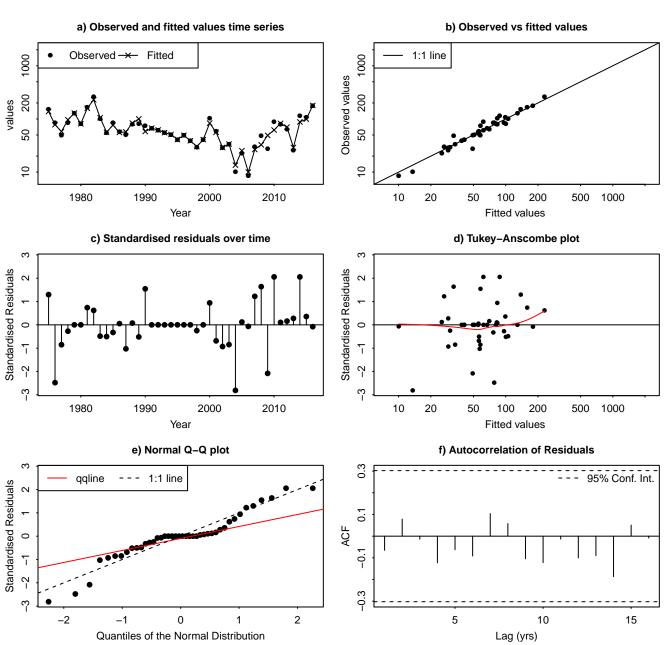


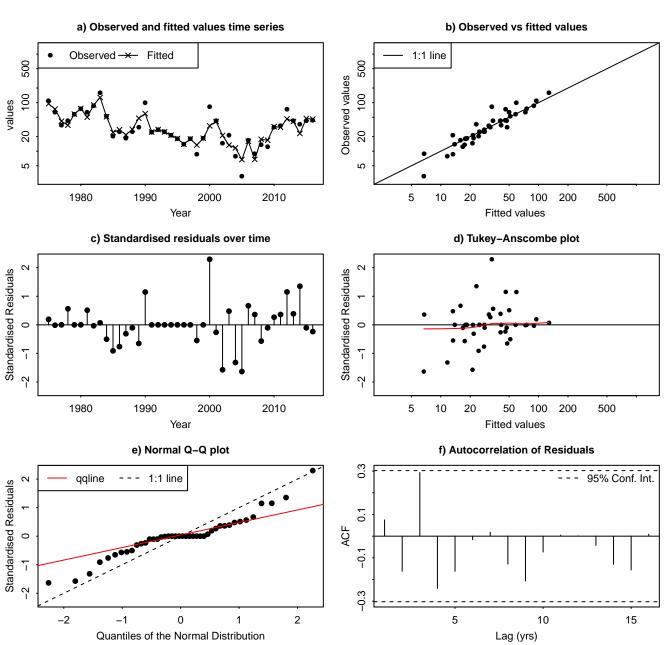


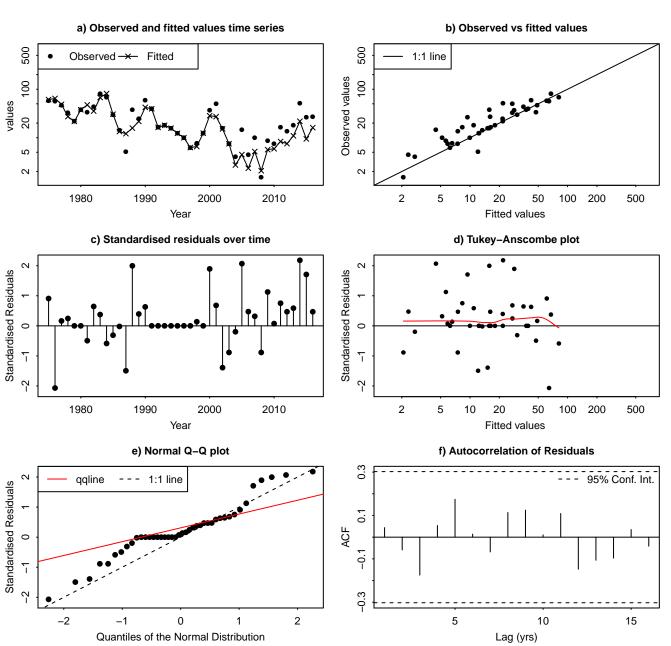
Turbot in IV pgSurvey 3 Diagnostics - catch, age 5



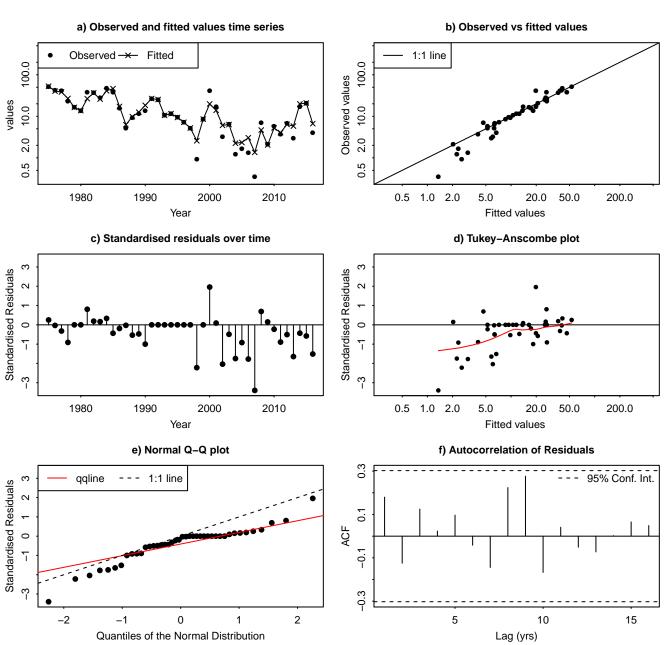
Turbot in IV pgSurvey 3 Diagnostics - catch, age 6

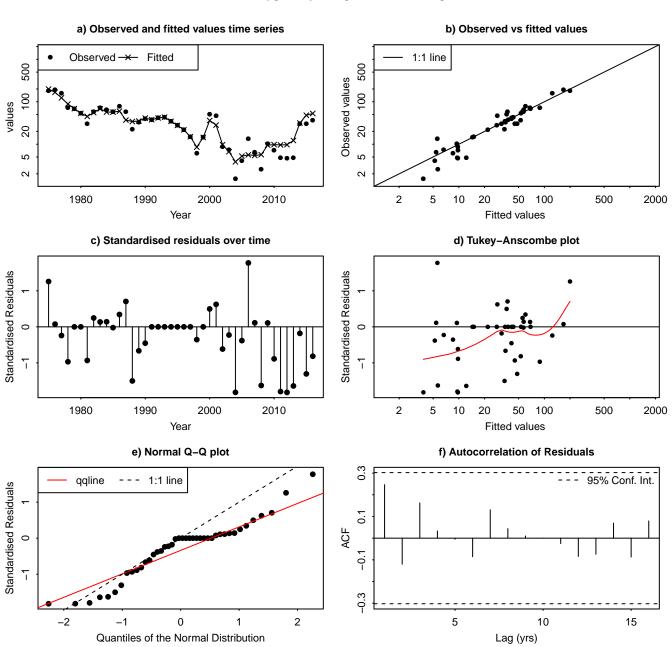




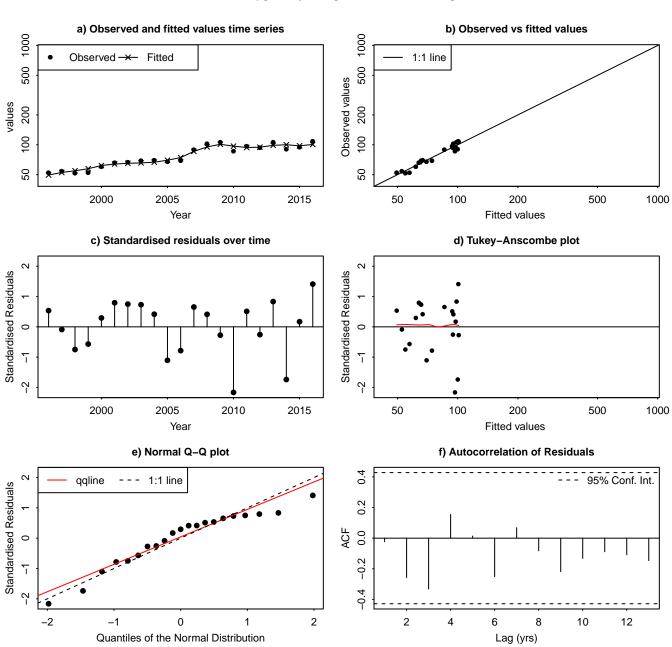


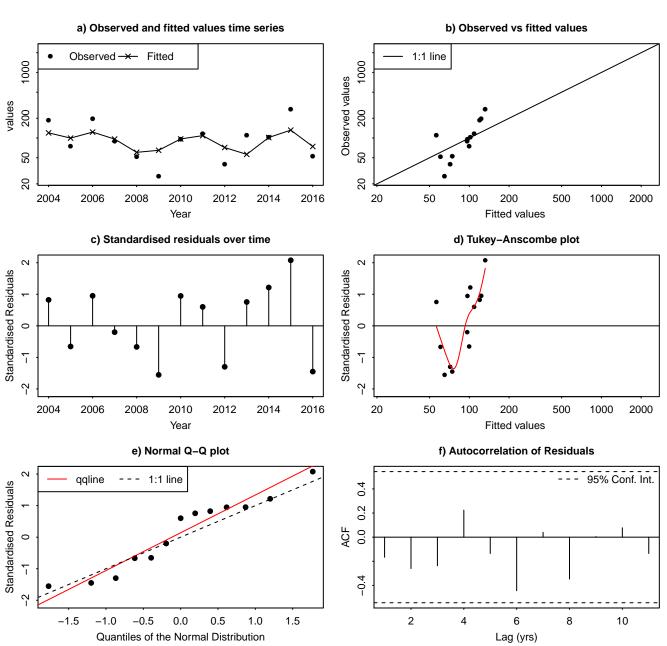
Turbot in IV pgSurvey 3 Diagnostics - catch, age 9

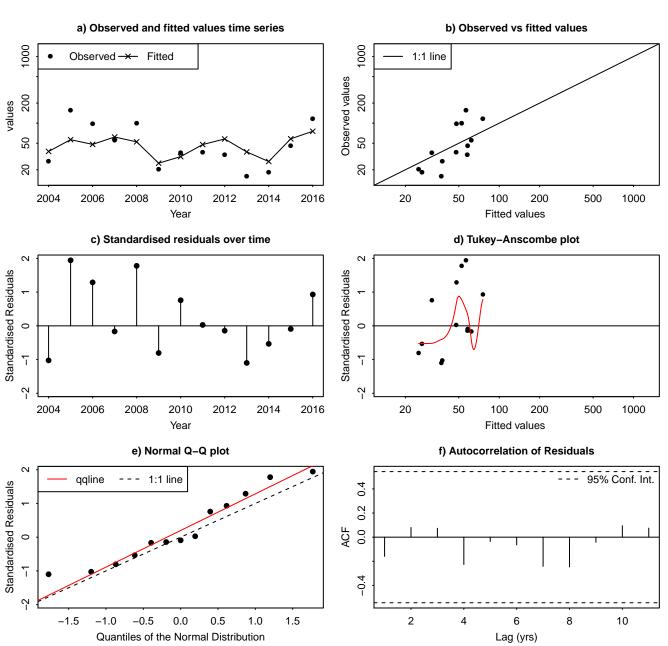


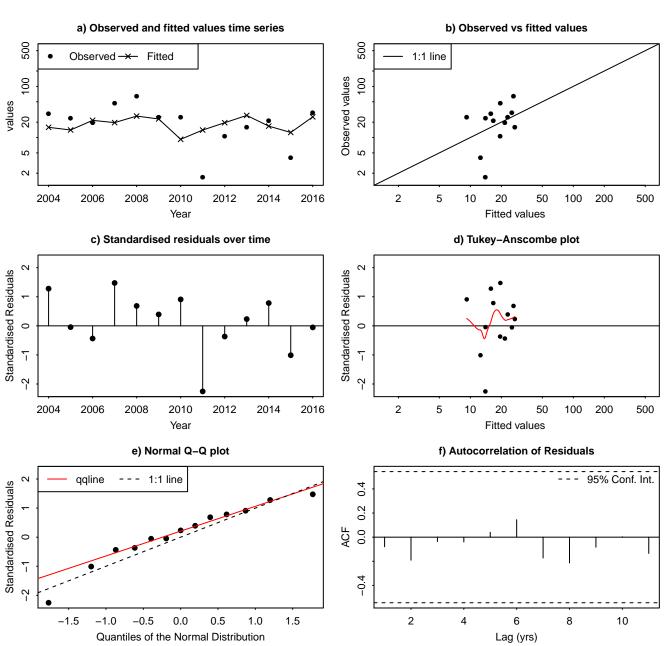


Turbot in IV pgSurvey 3 Diagnostics – NL\_LPUE, age –1

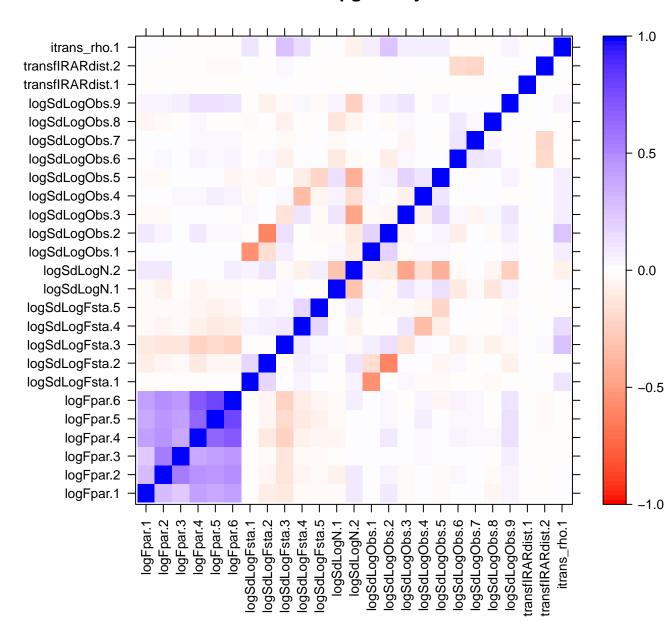




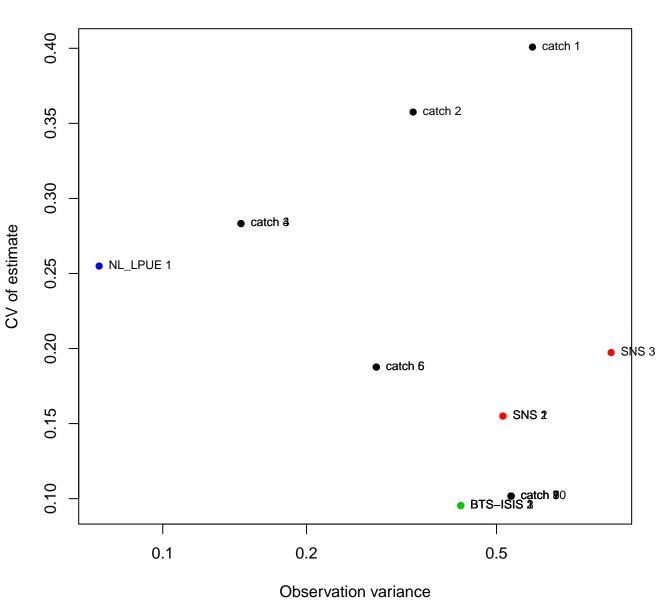




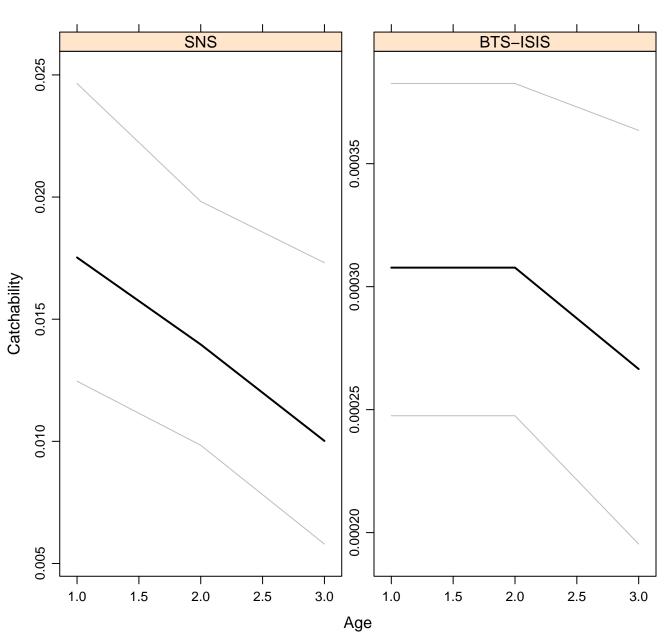
#### **Turbot in IV pgSurvey 3**



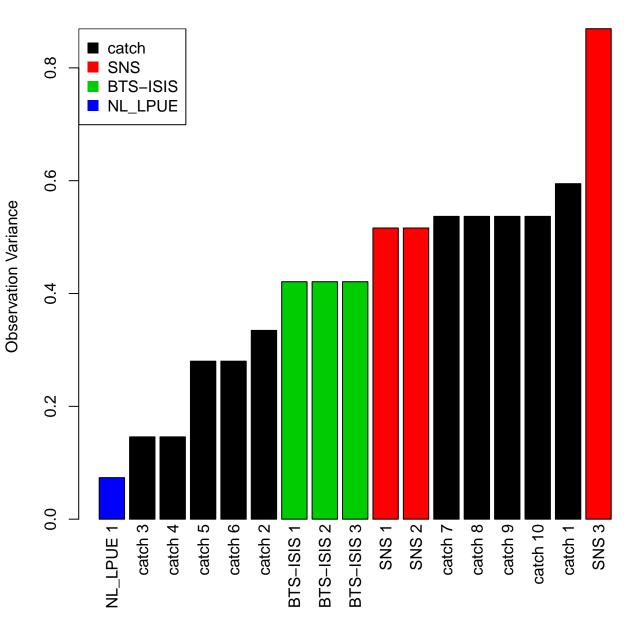
### **Observation variance vs uncertainty**



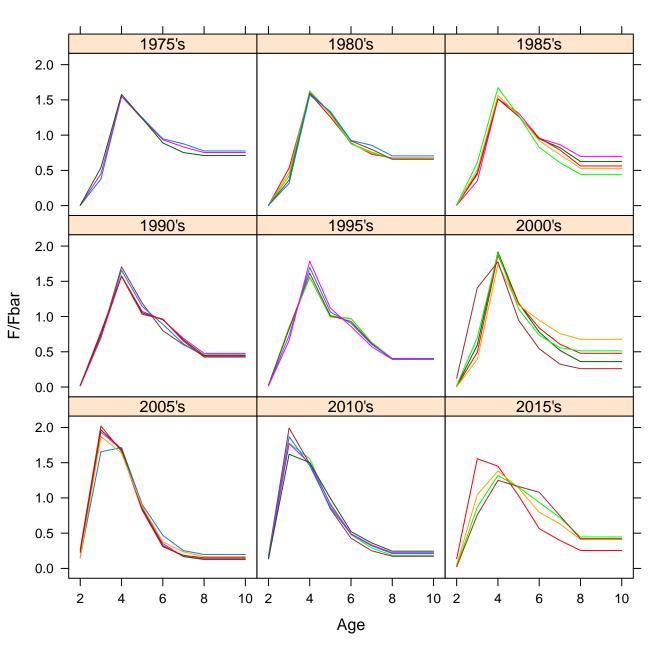
# Survey catchability parameters



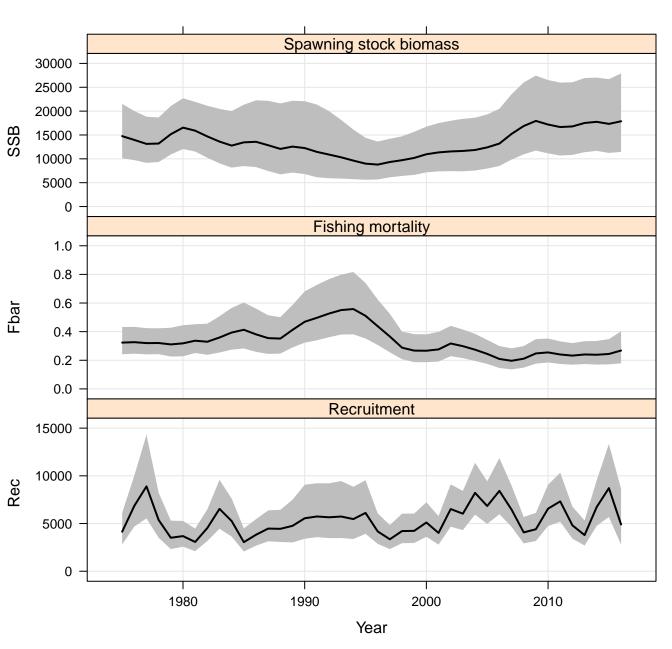
### Observation variances by data source



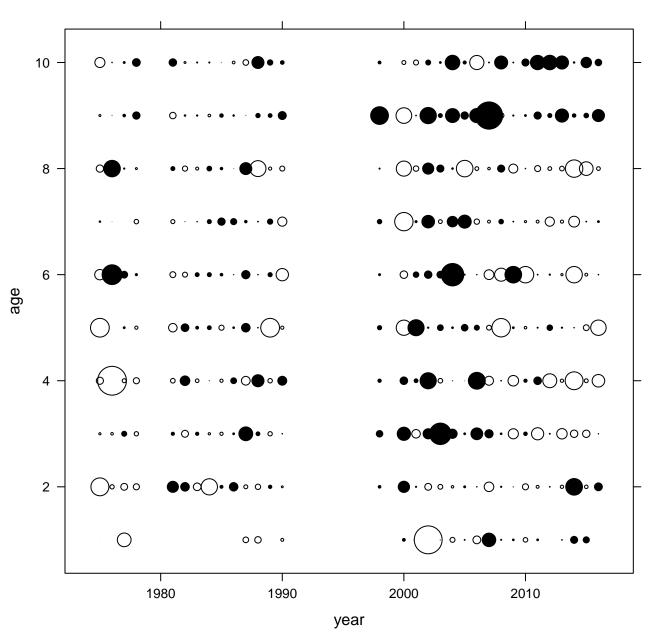
## Selectivity of the Fishery by Pentad



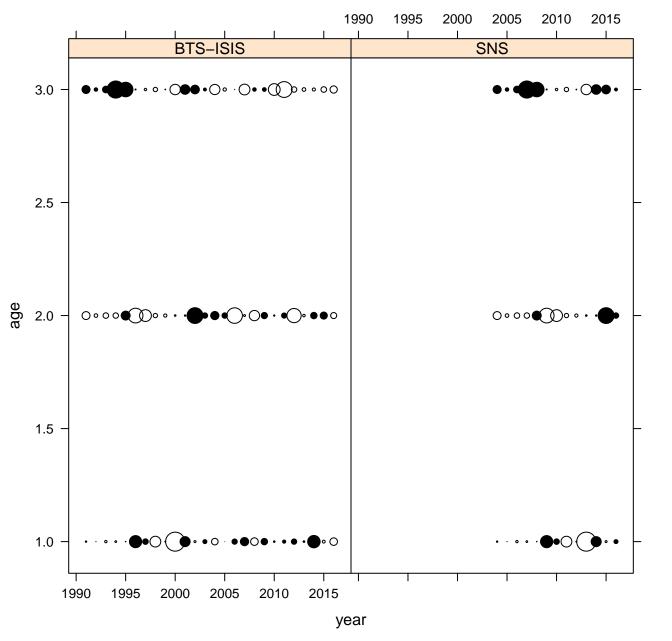
**Turbot in IV pgSurvey 3** 

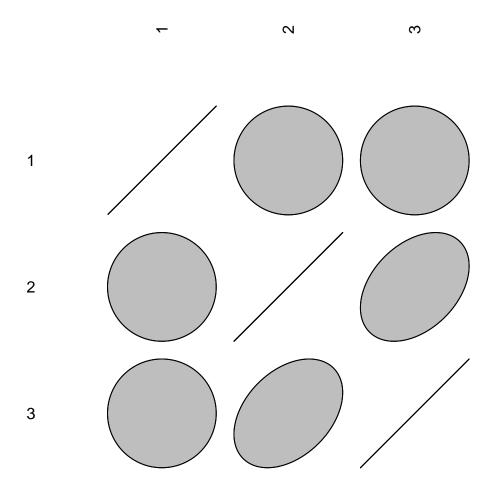


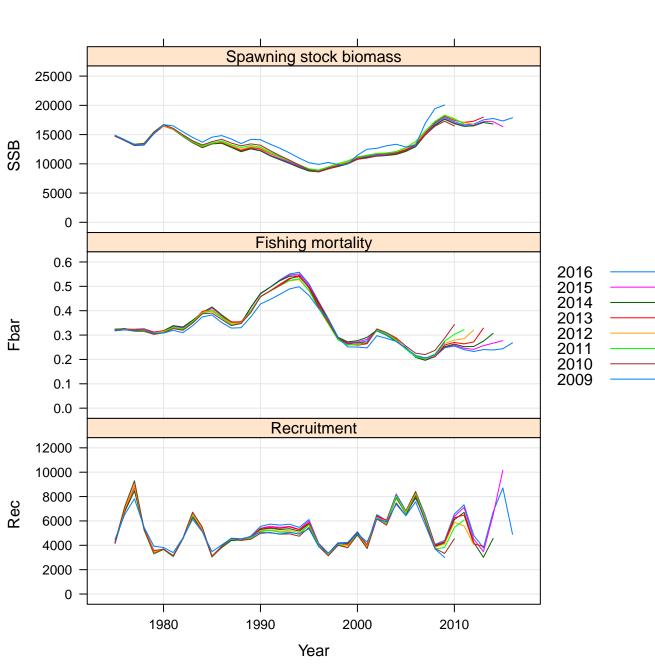
## Residuals by year Catch

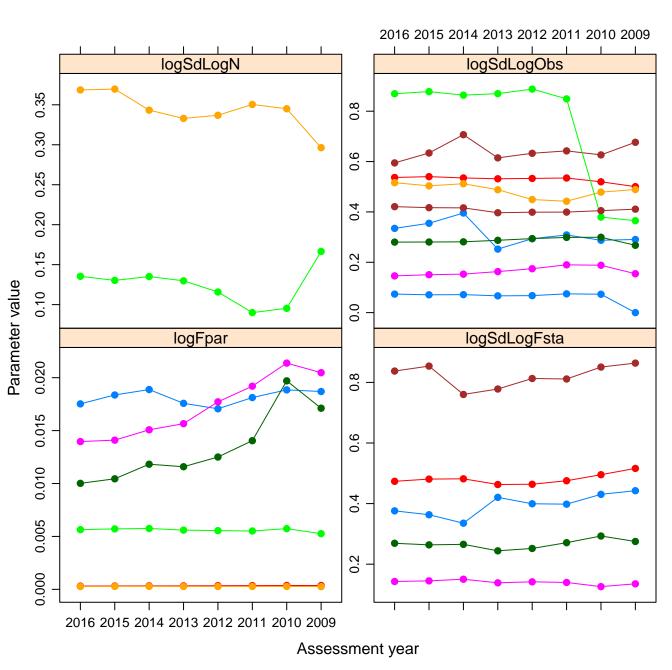


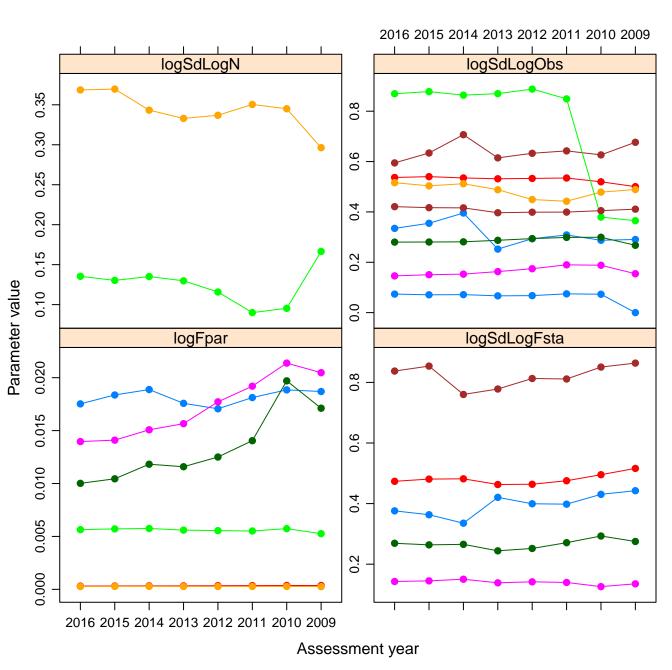
# Residuals by survey











### Retrospective pattern in F at age

