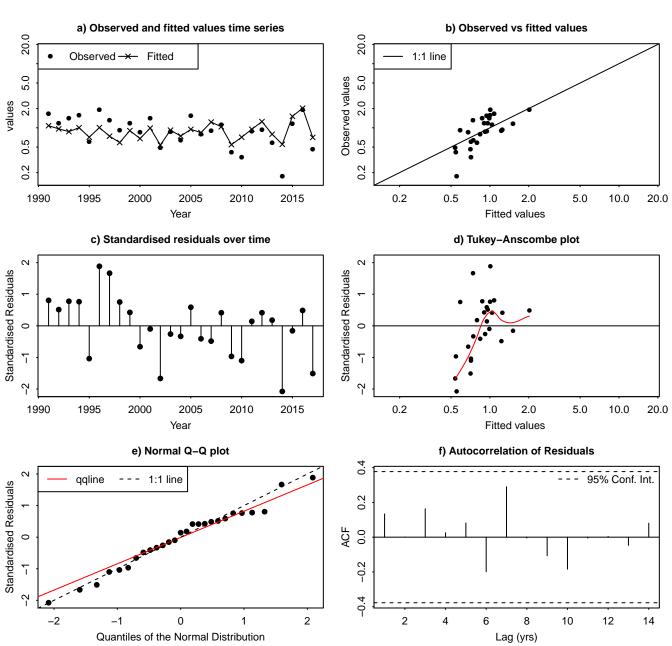
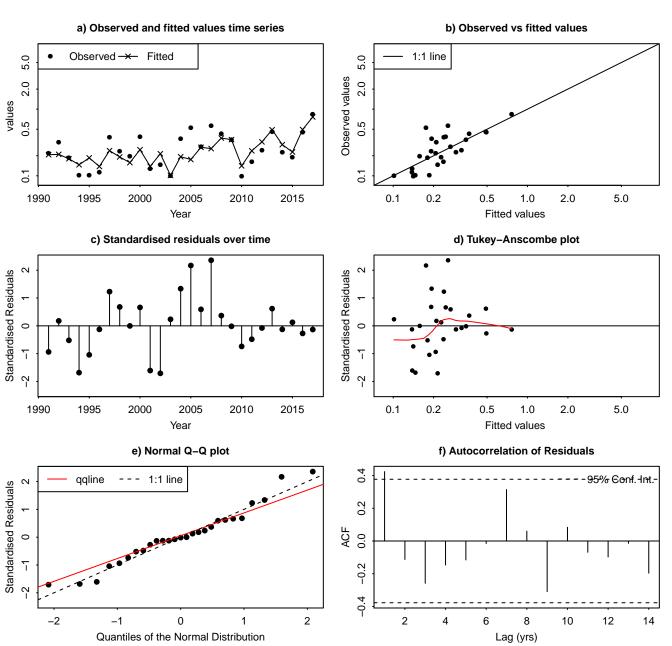
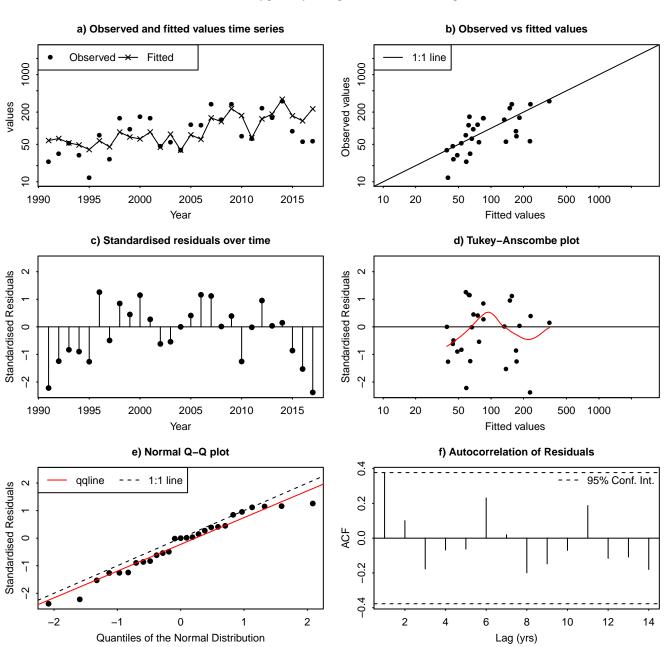


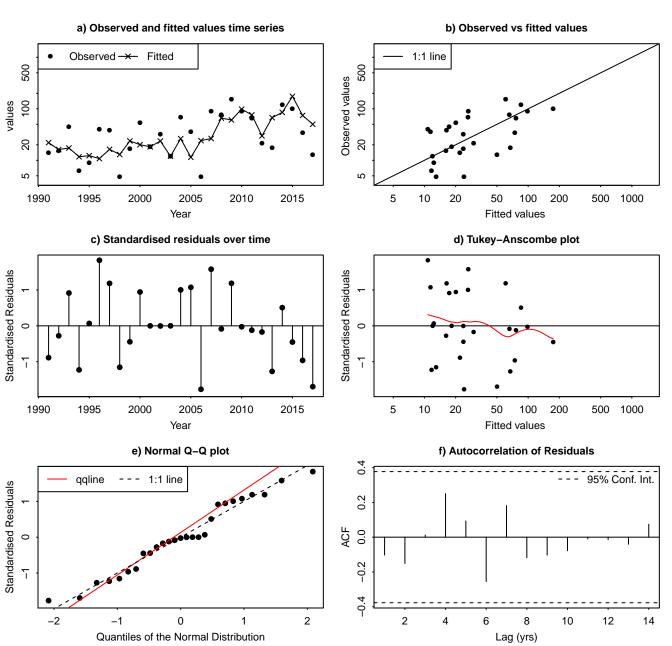
Turbot in IV pgSurvey 5 Diagnostics – BTS-ISIS, age 2



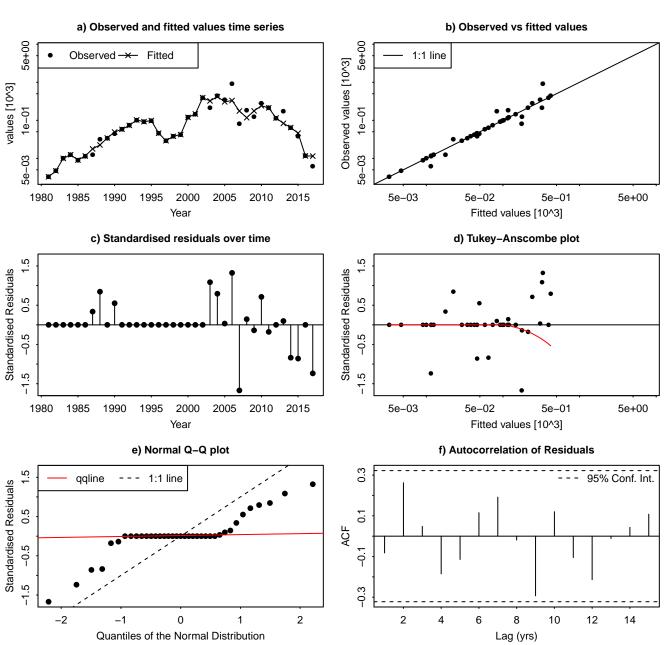


Turbot in IV pgSurvey 5 Diagnostics - BTS-ISIS, age 4

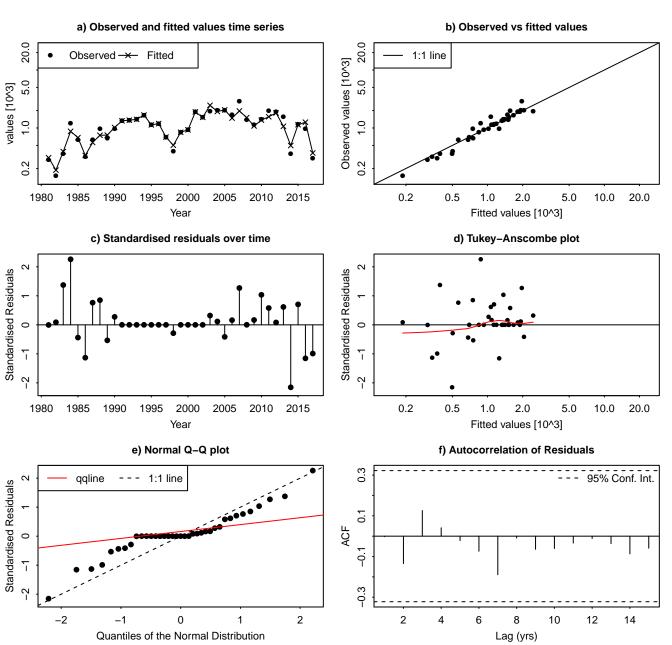




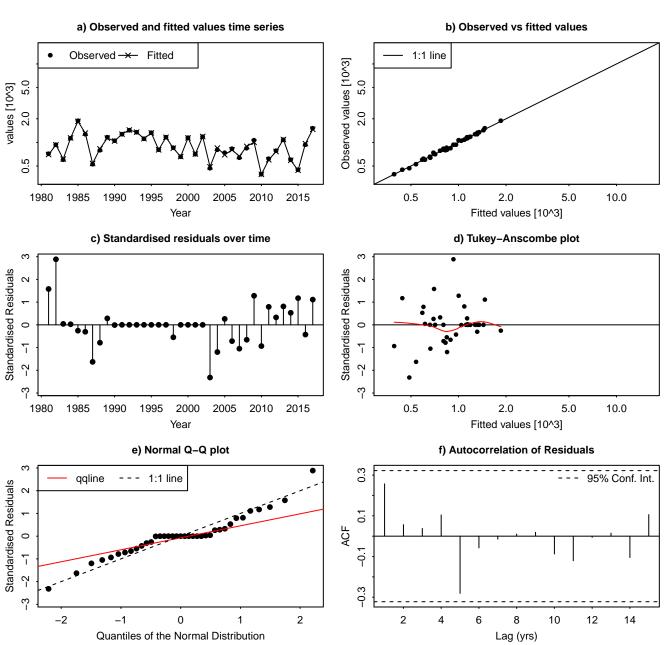
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 1



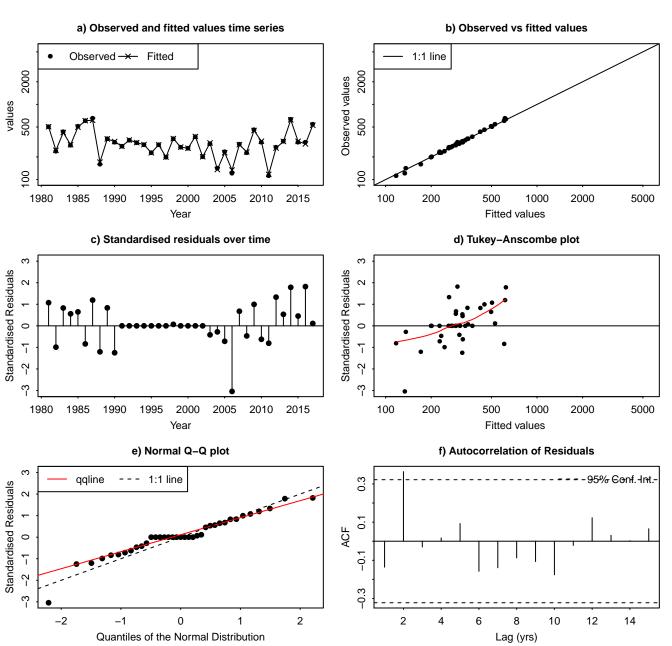
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 2



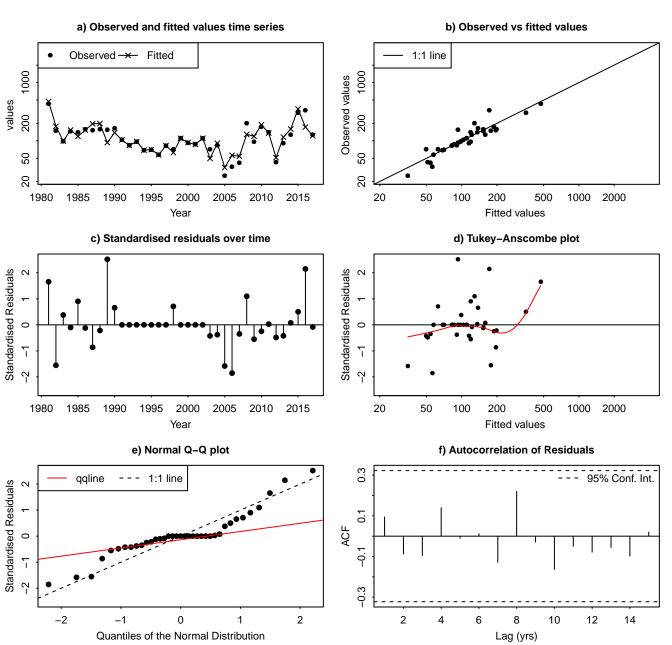
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 3



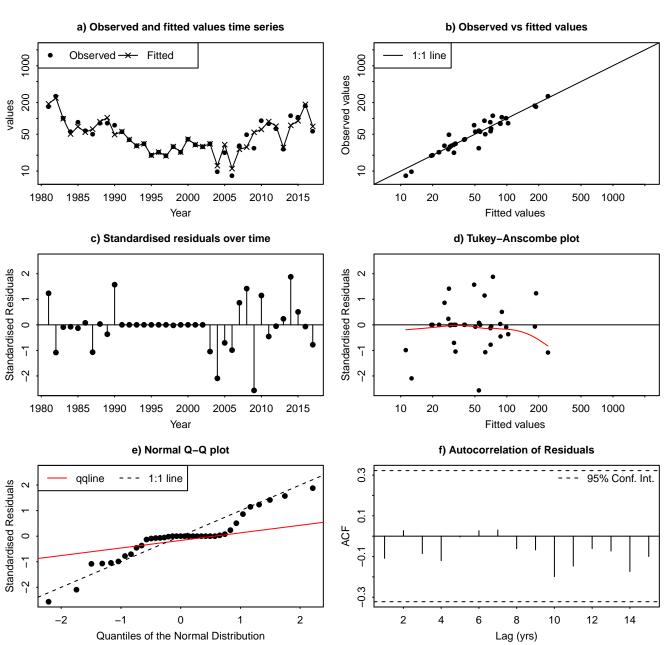
Turbot in IV pgSurvey 5 Diagnostics - catch unique, age 4



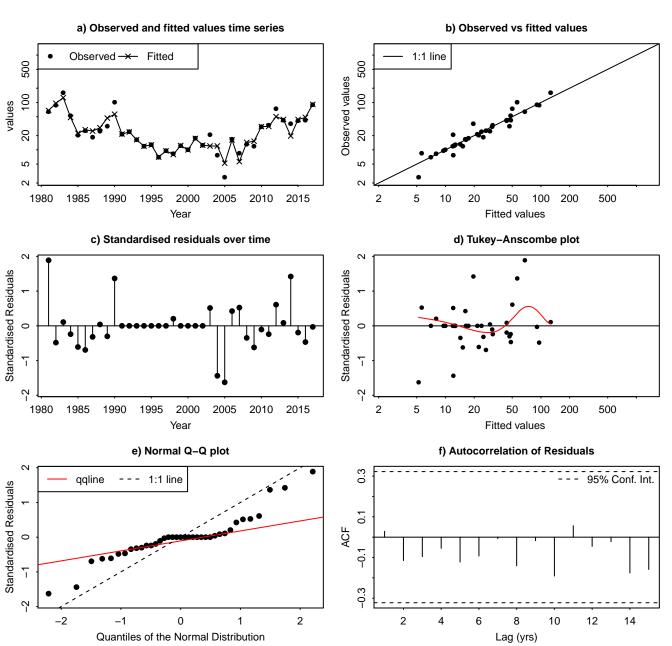
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 5



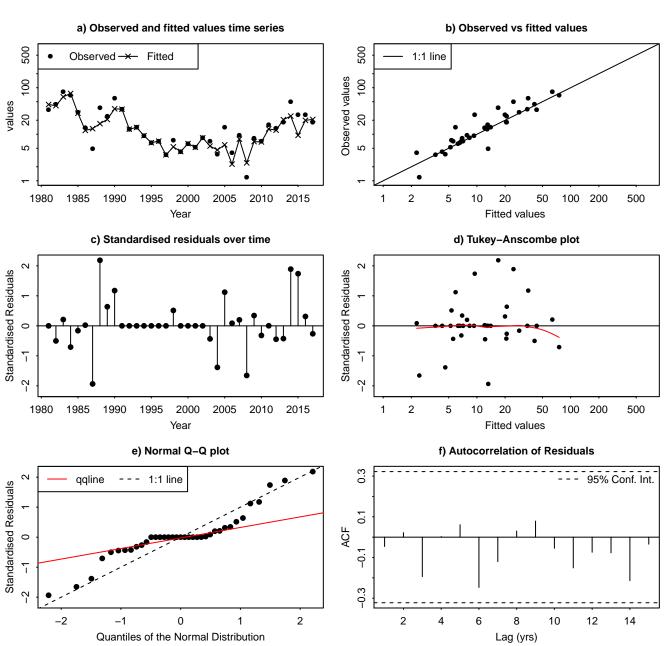
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 6



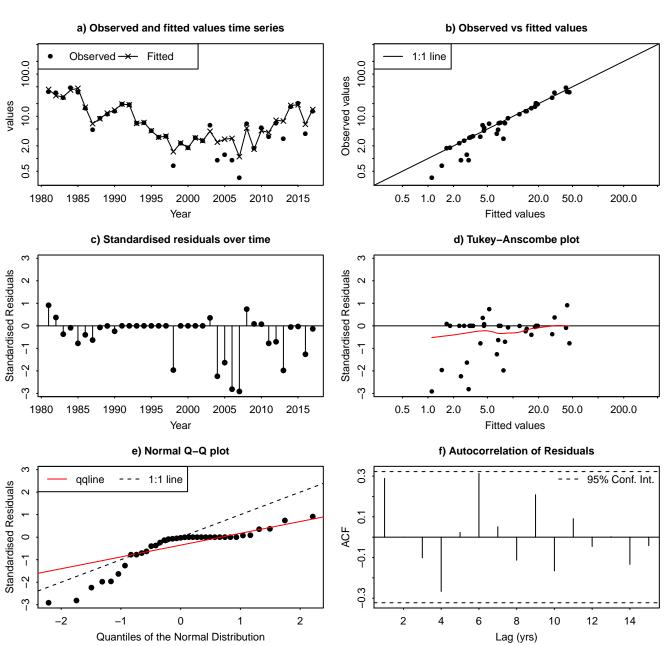
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 7



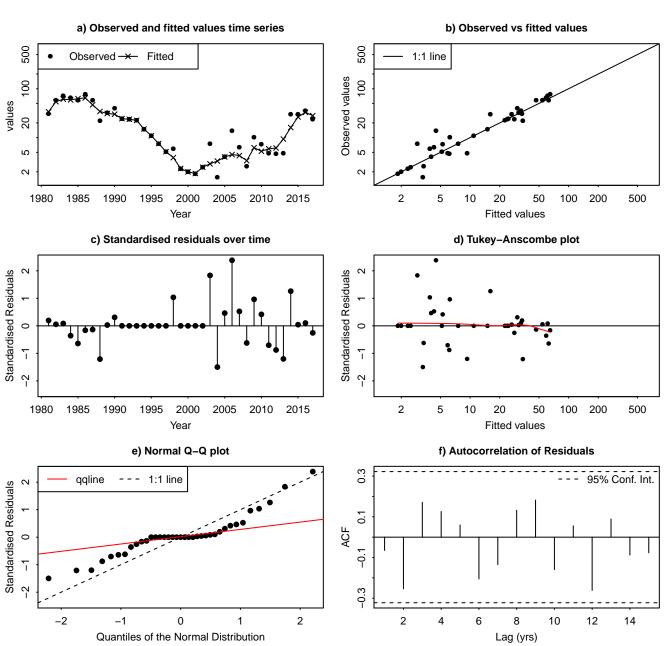
Turbot in IV pgSurvey 5 Diagnostics - catch unique, age 8

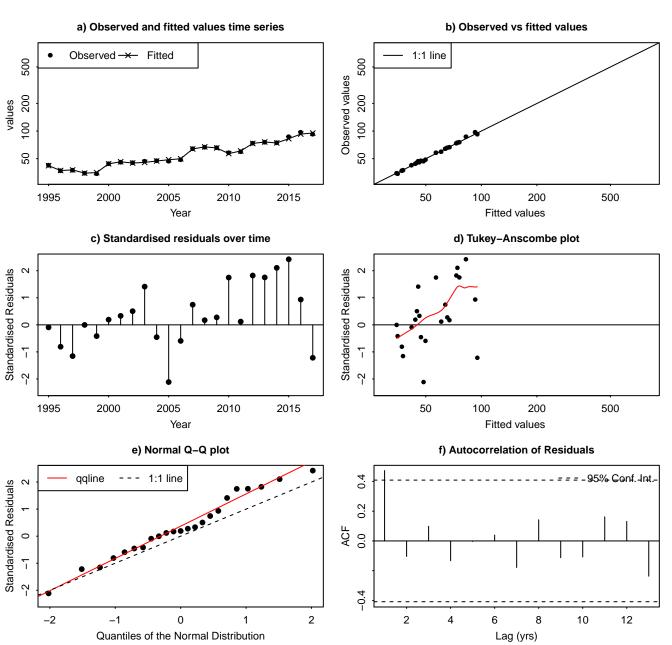


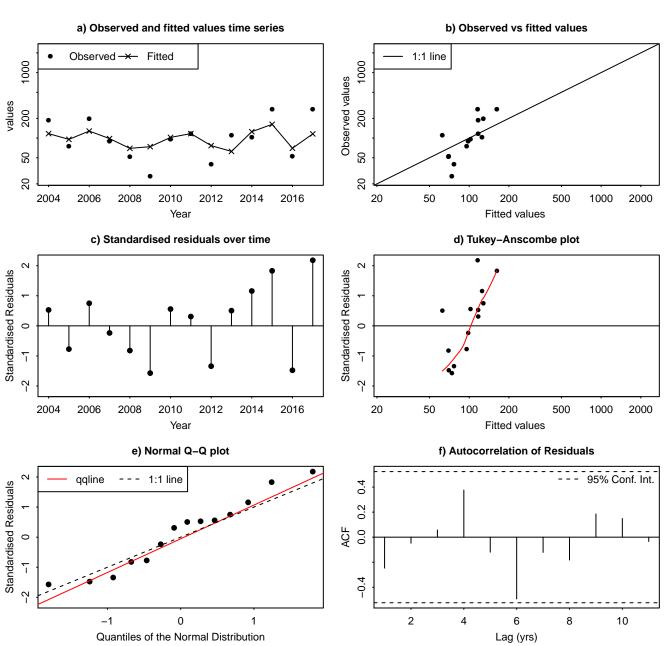
Turbot in IV pgSurvey 5 Diagnostics - catch unique, age 9

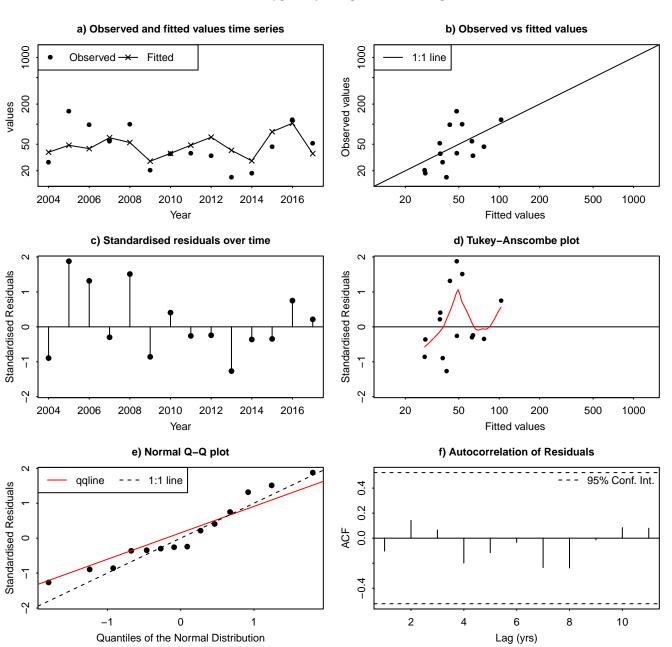


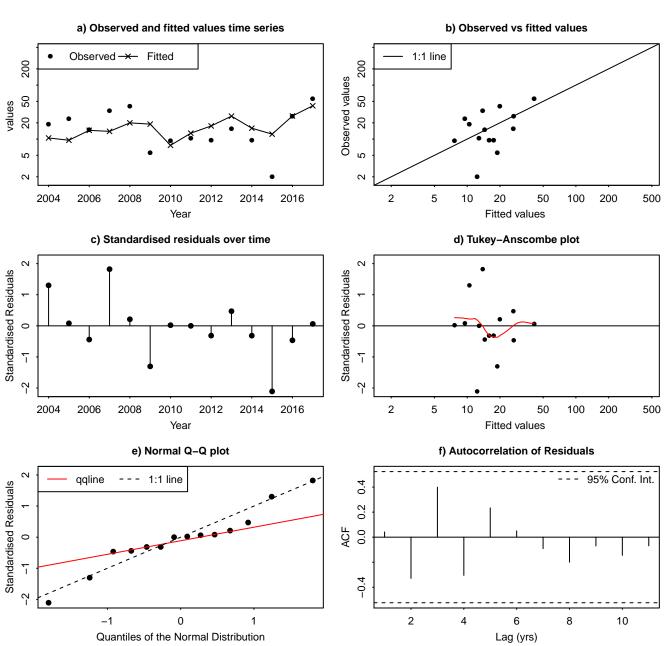
Turbot in IV pgSurvey 5 Diagnostics – catch unique, age 10

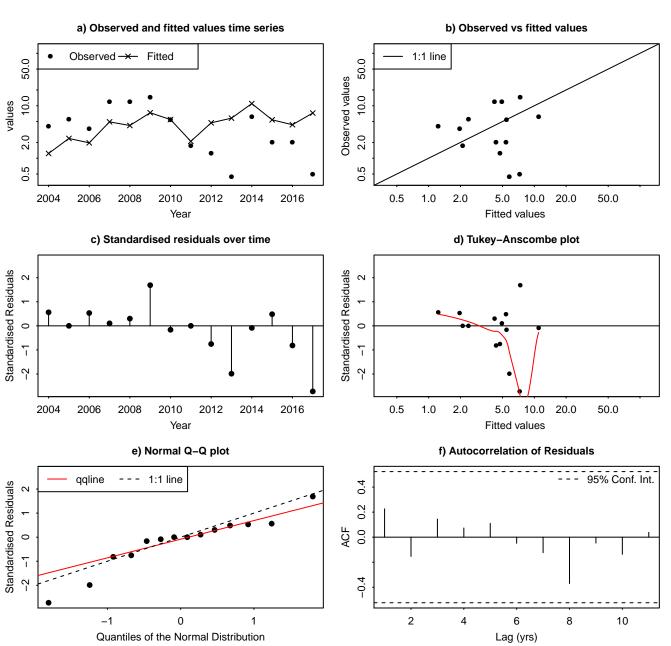




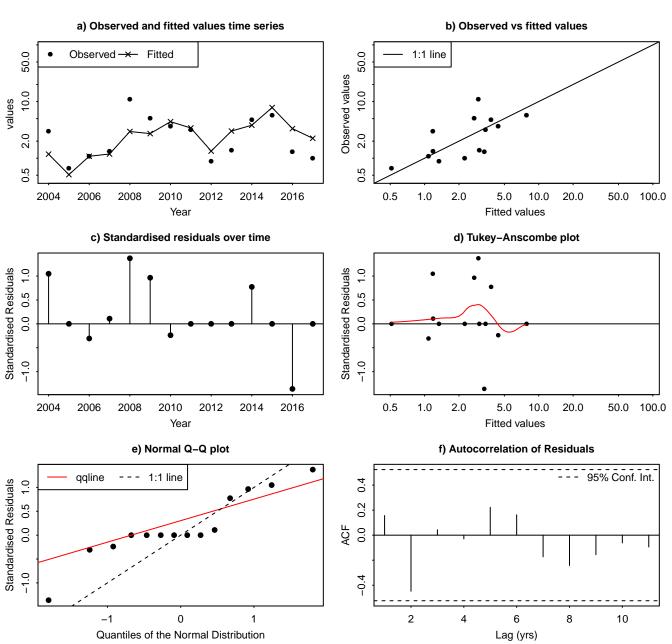




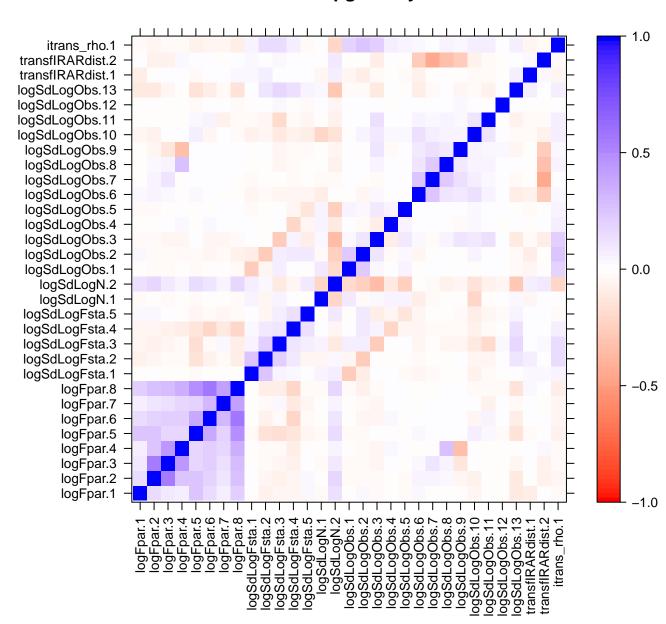




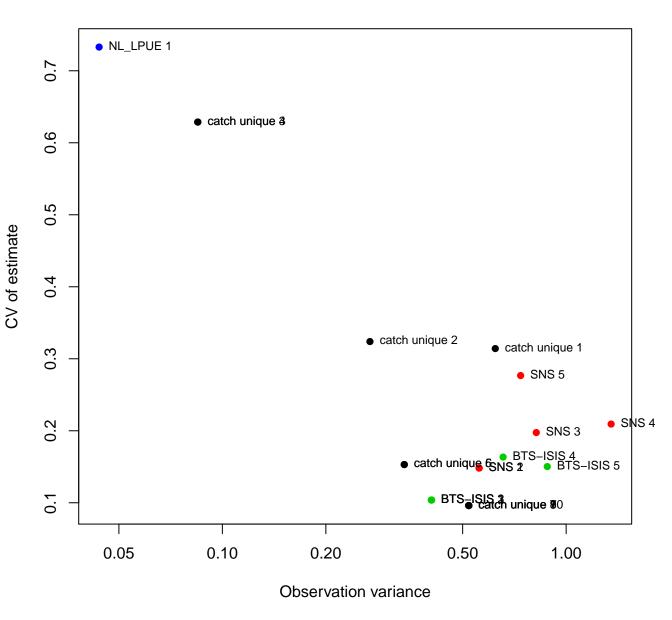
Turbot in IV pgSurvey 5 Diagnostics – SNS, age 5



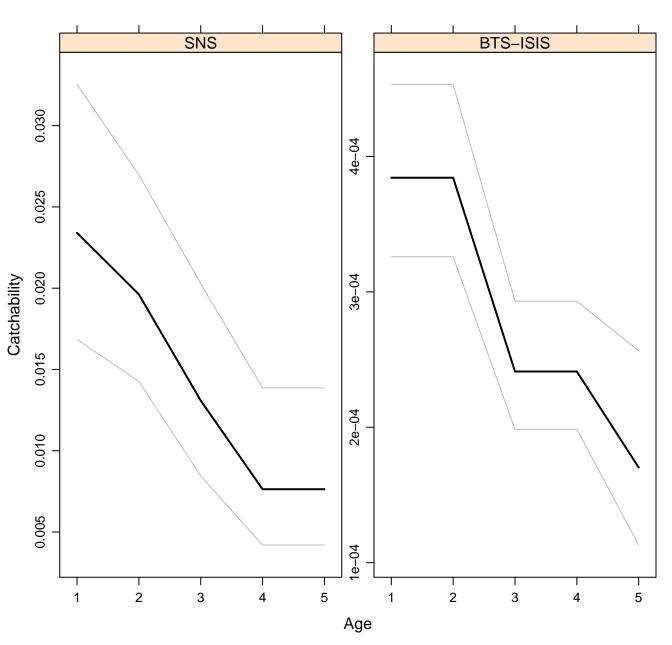
#### Turbot in IV pgSurvey 5



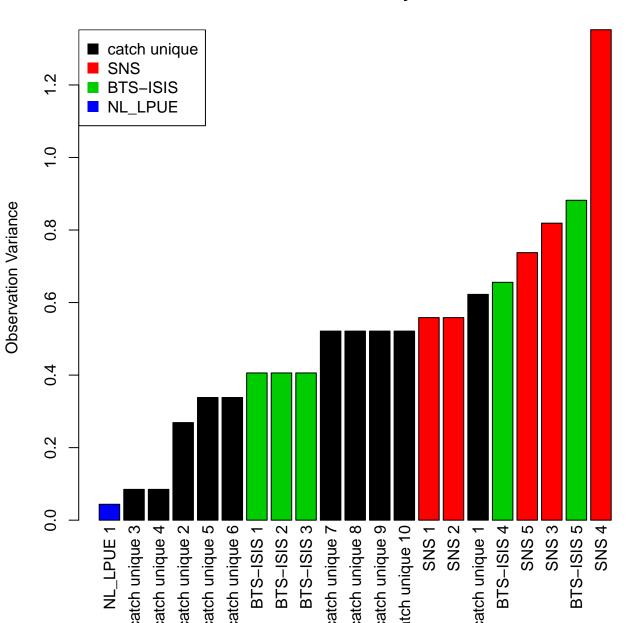
# Observation variance vs uncertainty



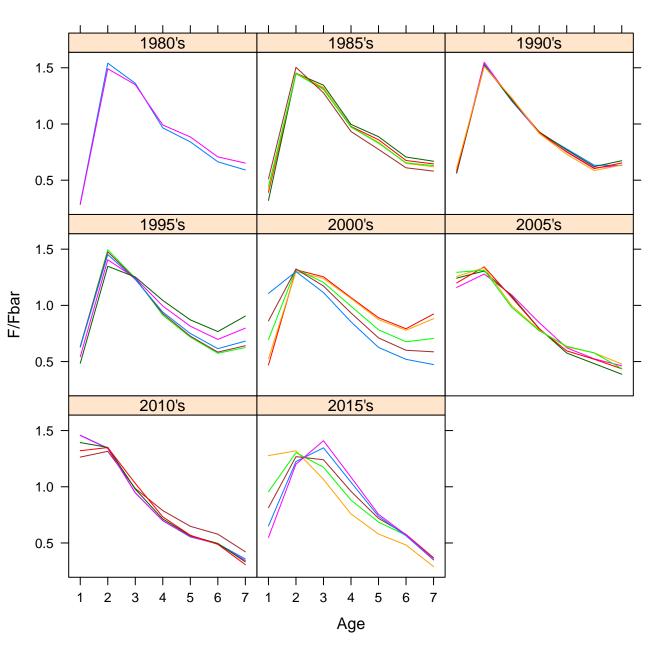
Survey catchability parameters



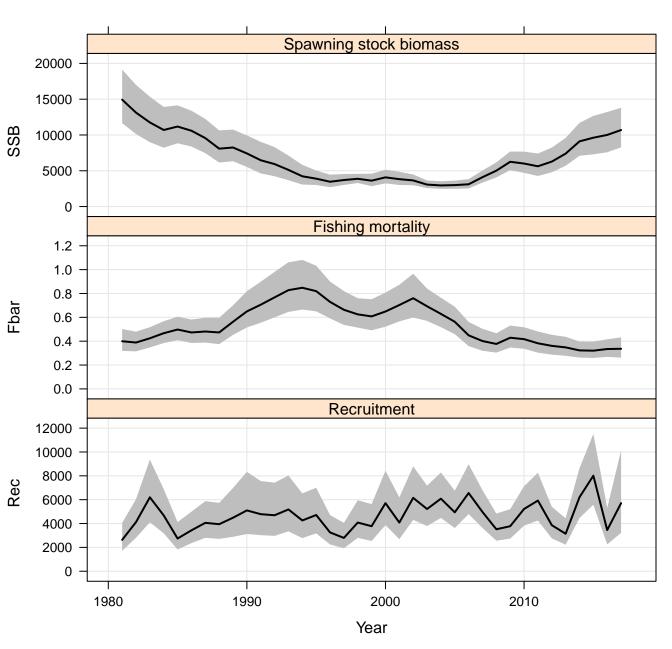
### Observation variances by data source



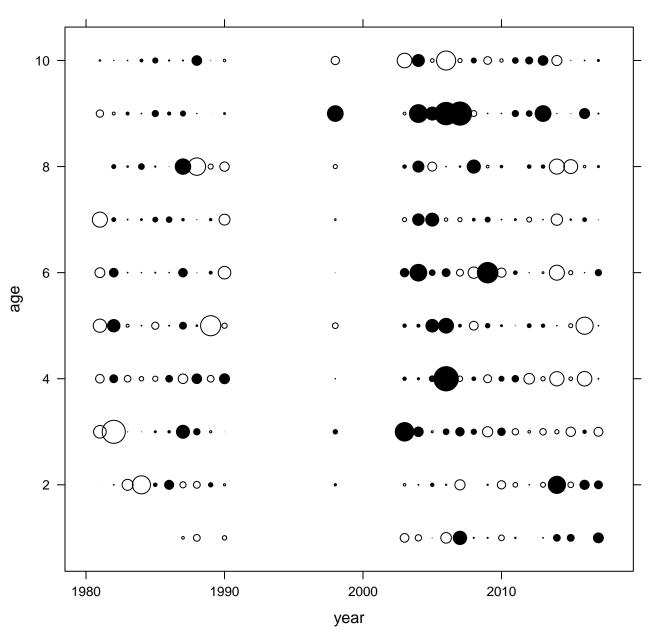
## Selectivity of the Fishery by Pentad



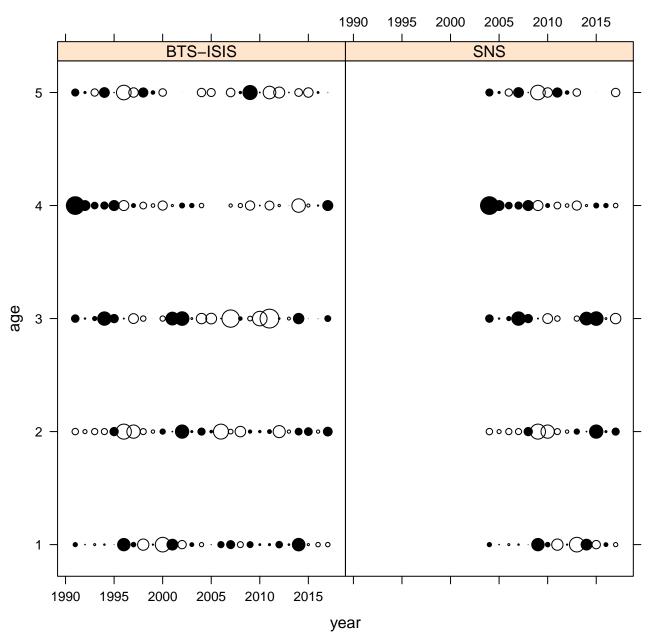
**Turbot in IV pgSurvey 5** 

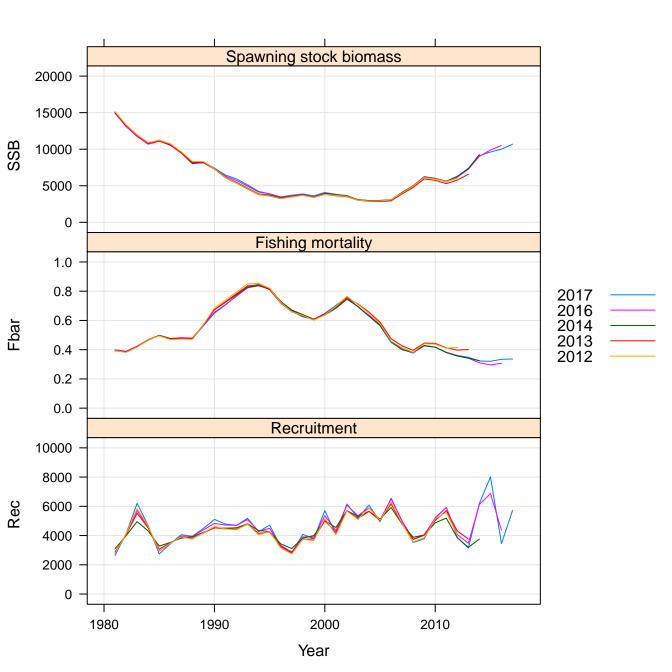


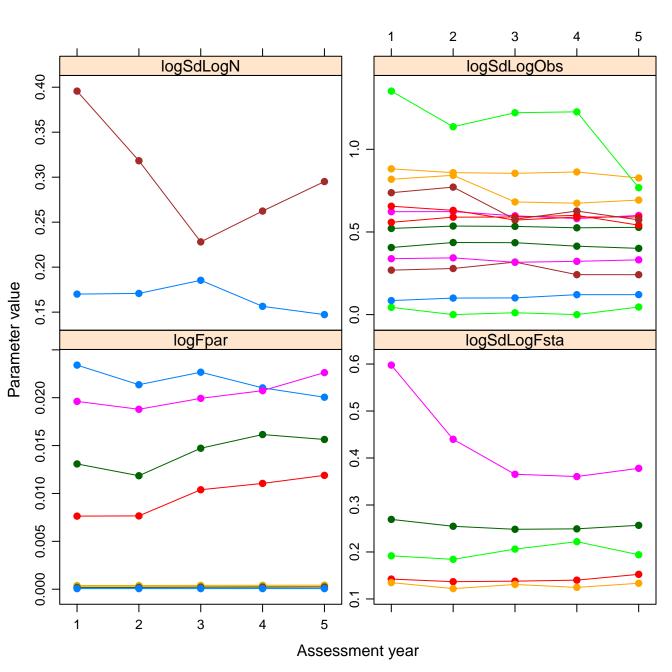
# Residuals by year Catch

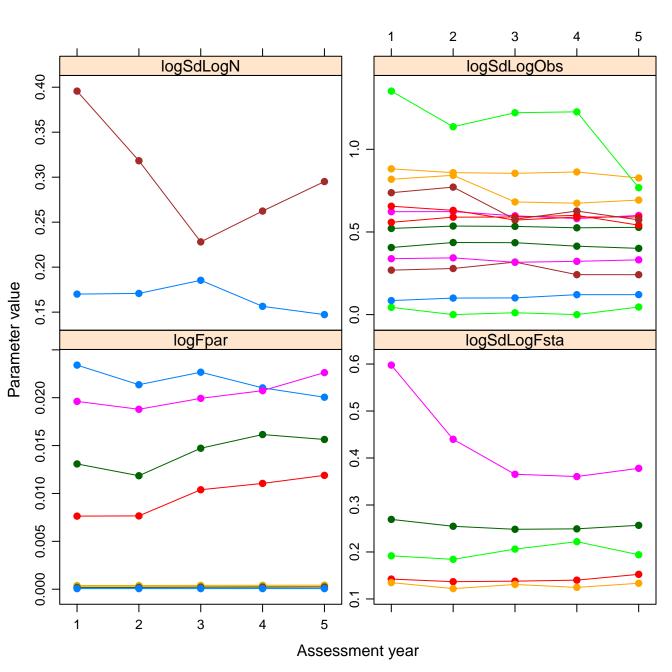


# Residuals by survey

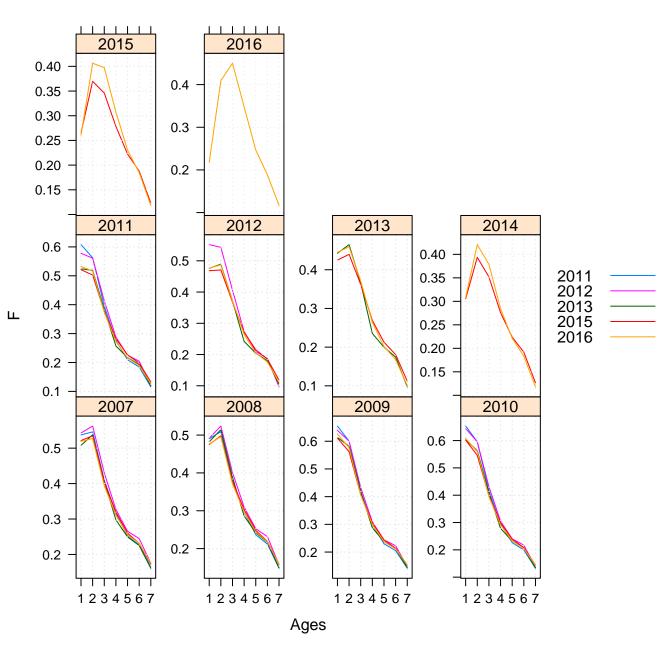








## Retrospective pattern in F at age



## Retrospective pattern in F at age

