Eastern Bering Sea pollock
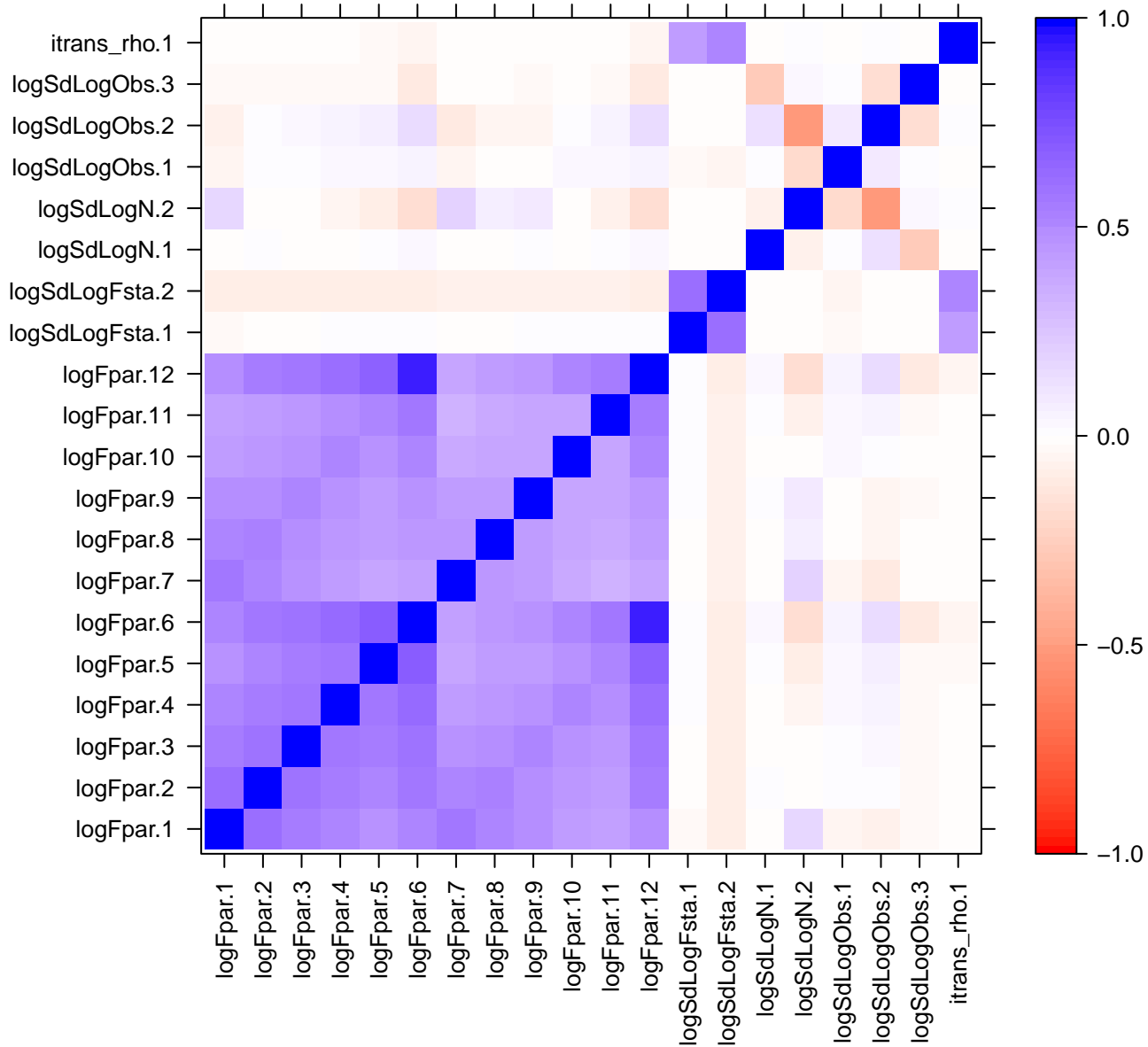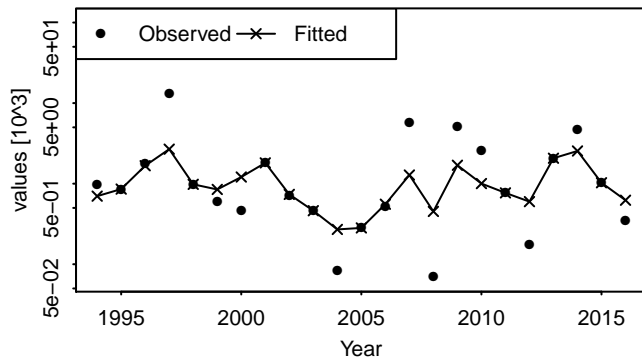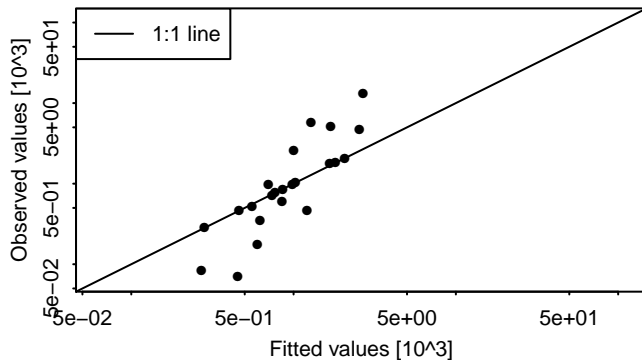
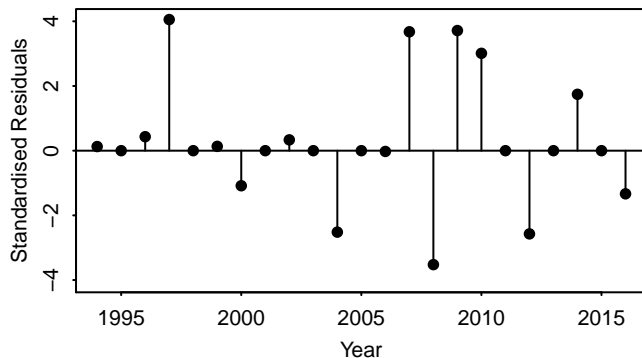# Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 1
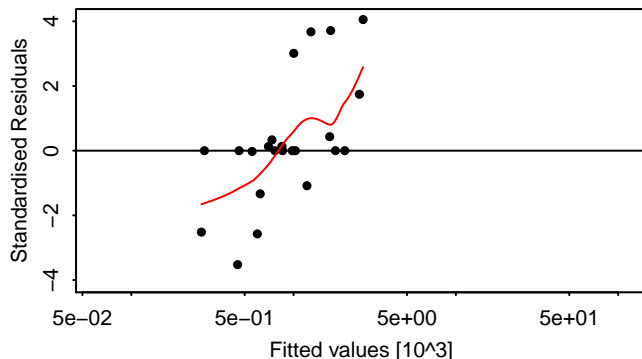

a) Observed and fitted values time series
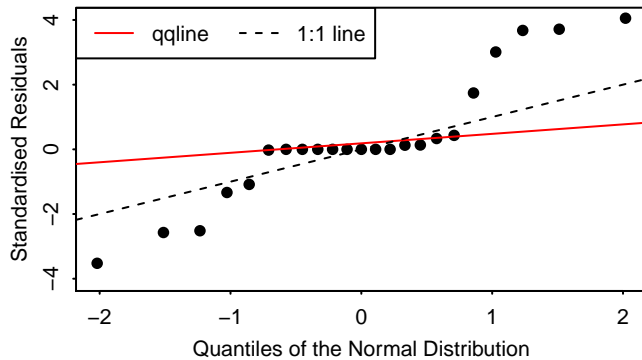
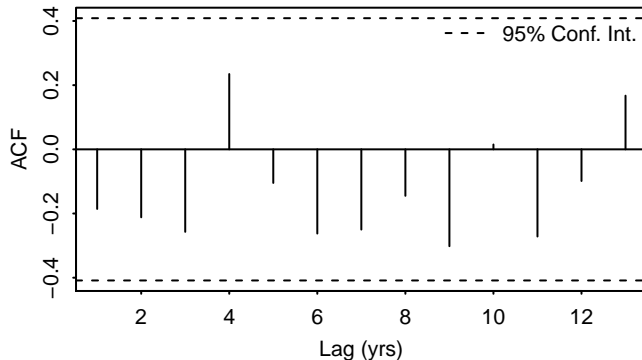b) Observed vs fitted values

c) Standardised residuals over time

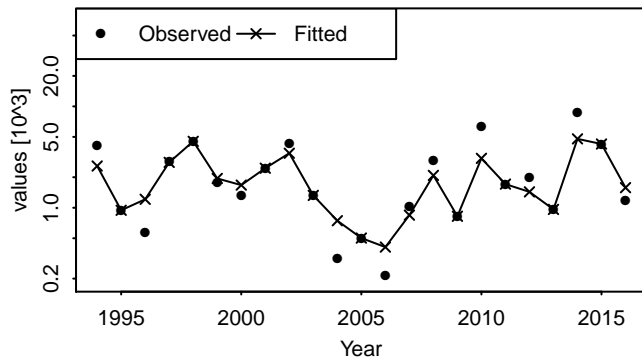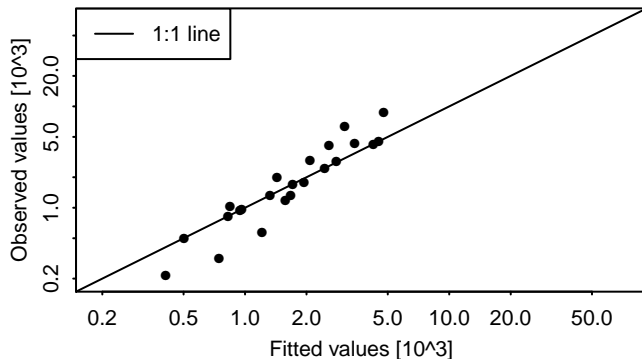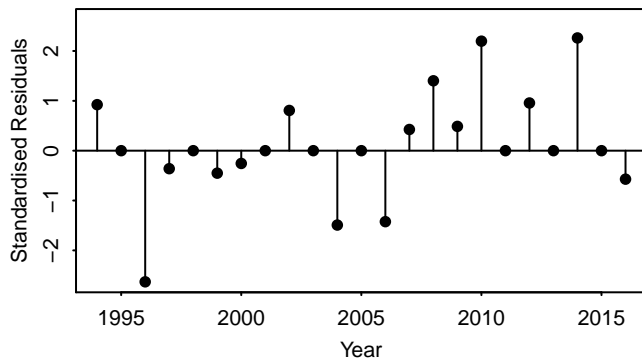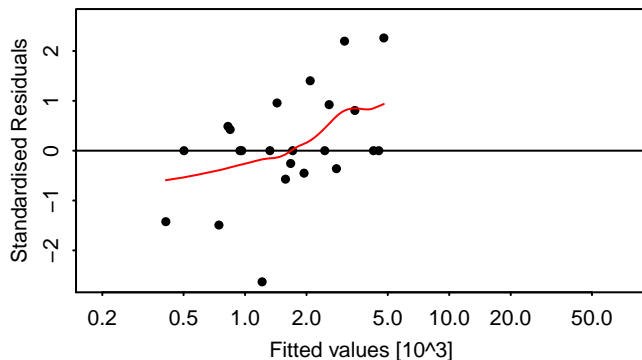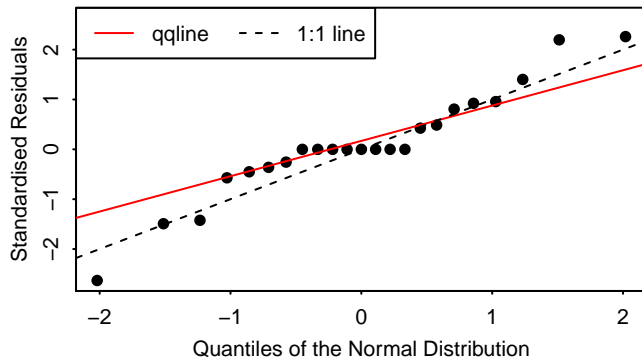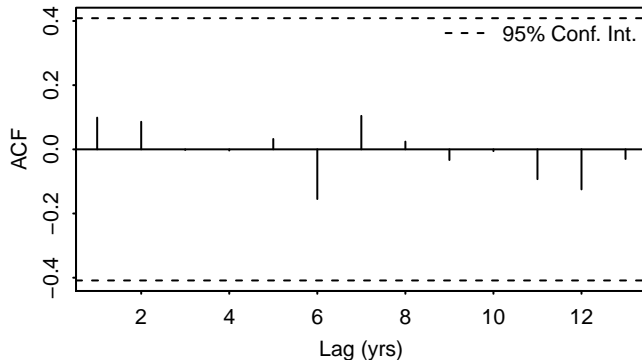d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 2

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

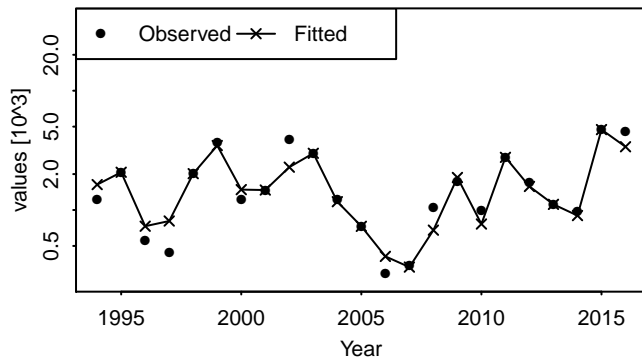**d) Tukey–Anscombe plot**

e) Normal Q–Q plot
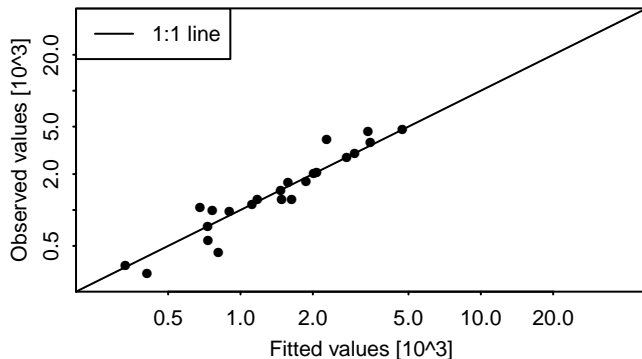
f) Autocorrelation of Residuals

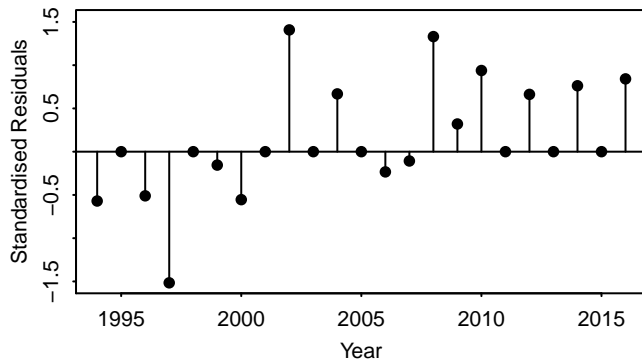**Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 3**

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 4
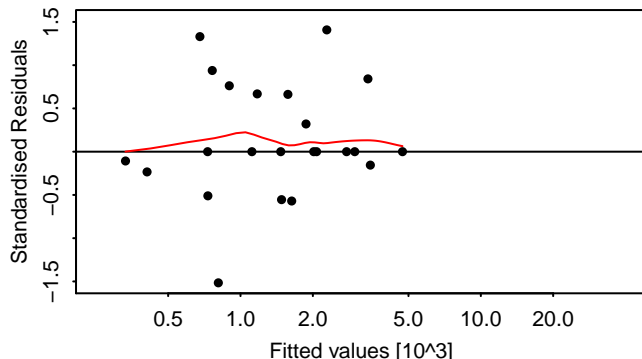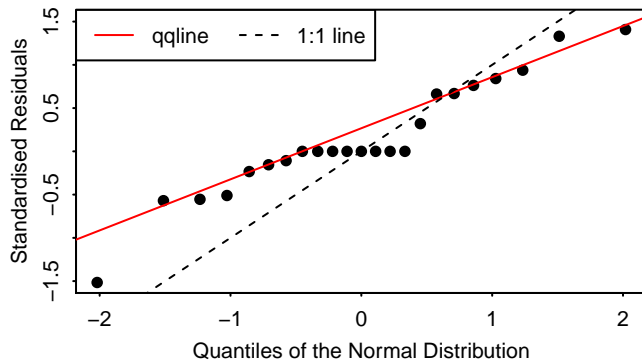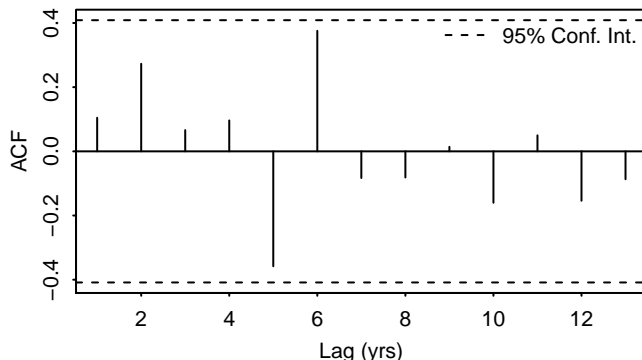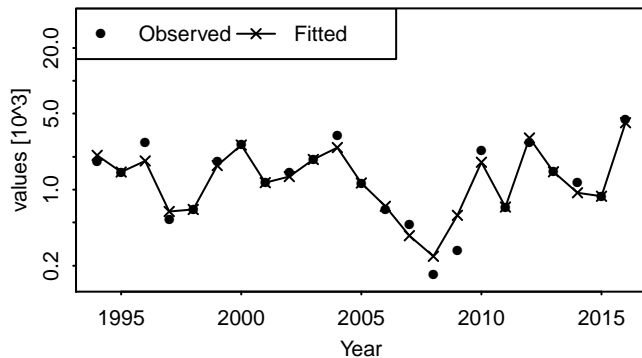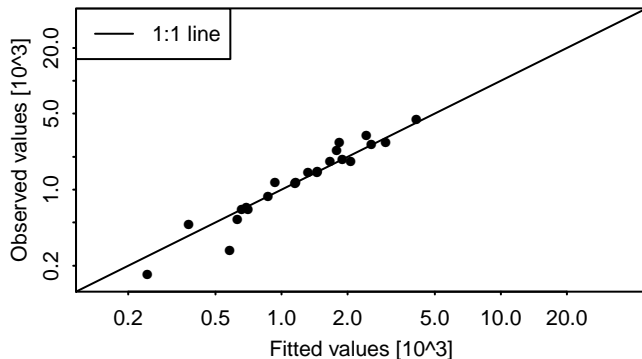
a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 5

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

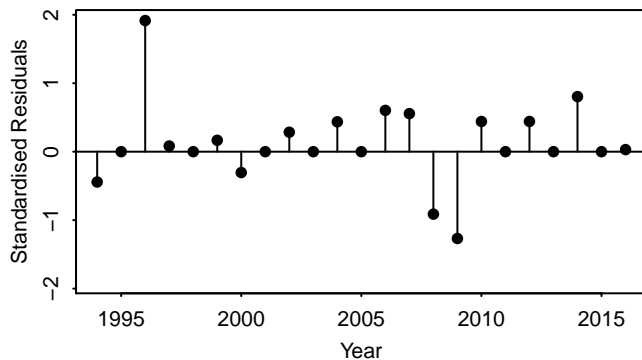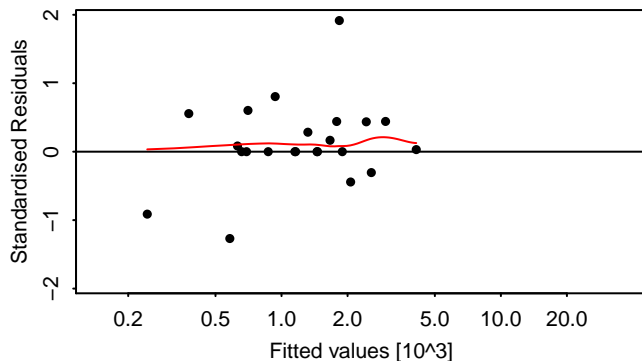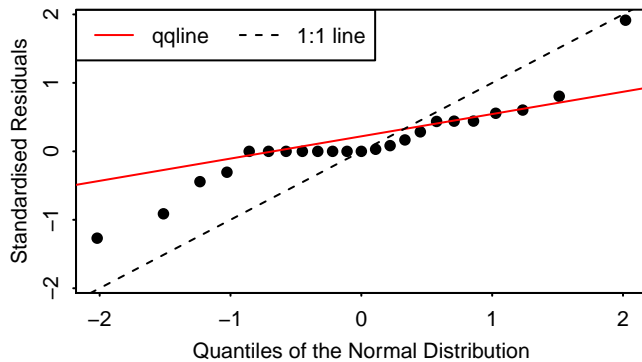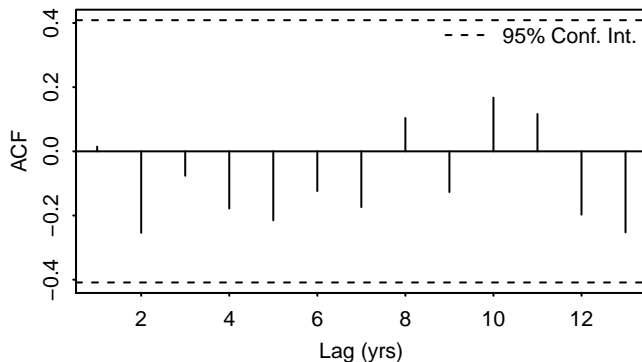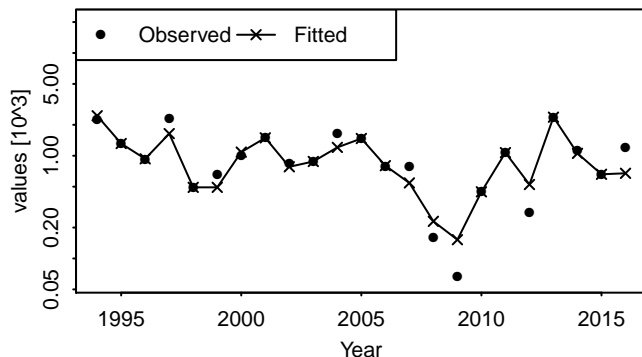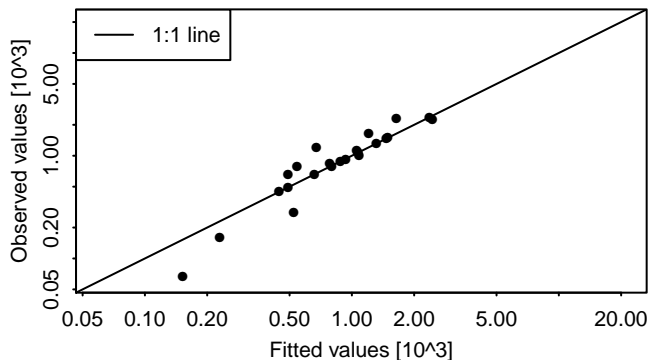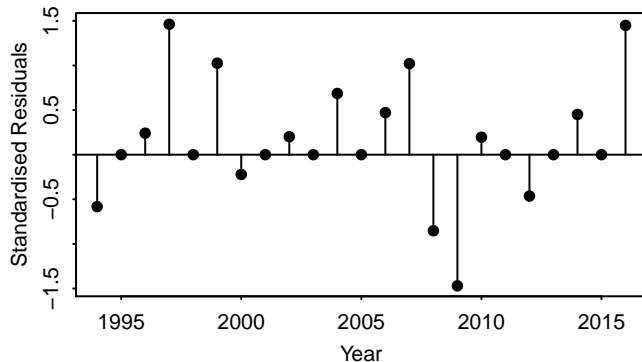# Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 6

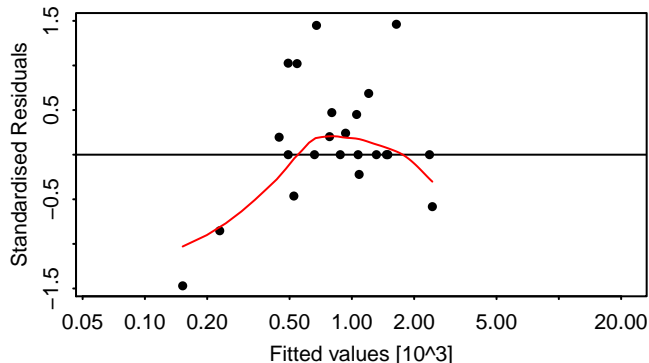a) Observed and fitted values time series
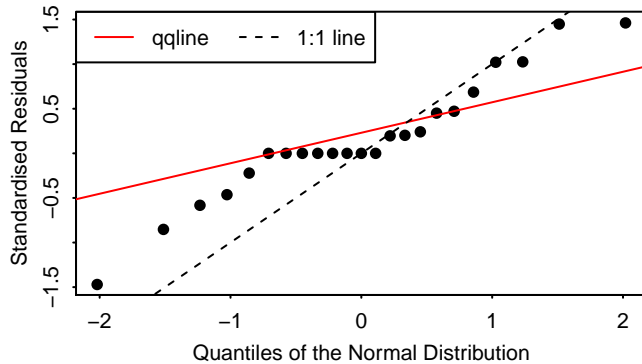b) Observed vs fitted values
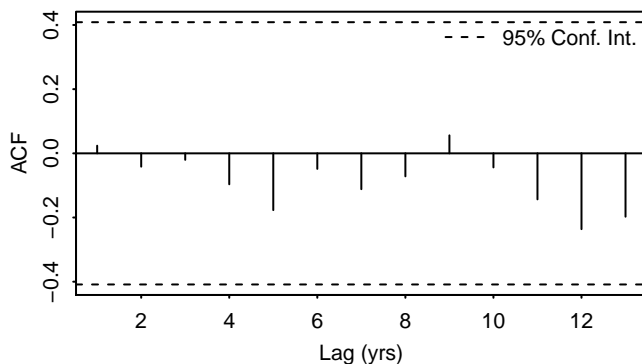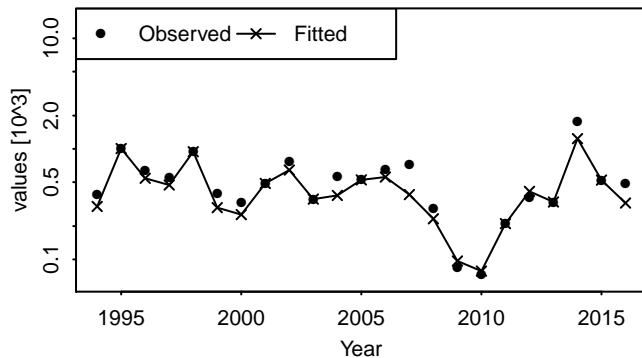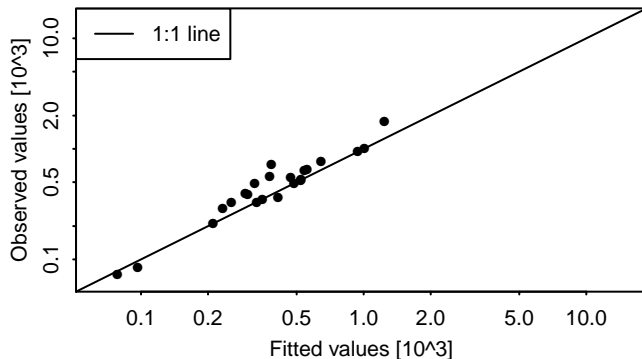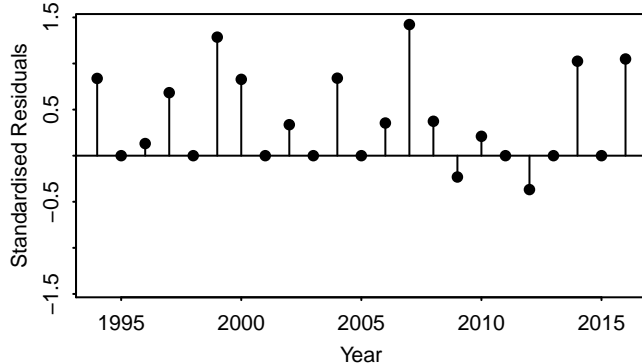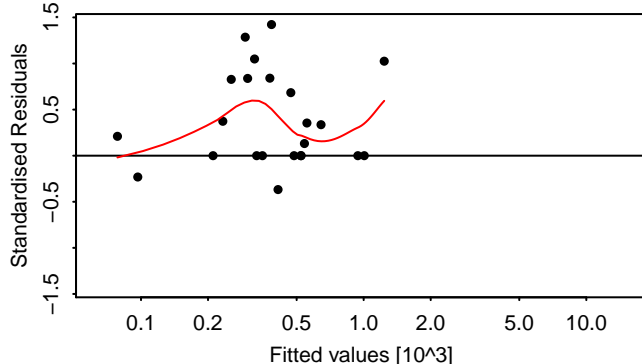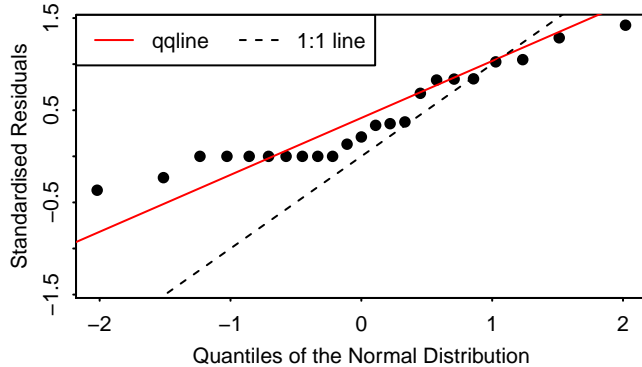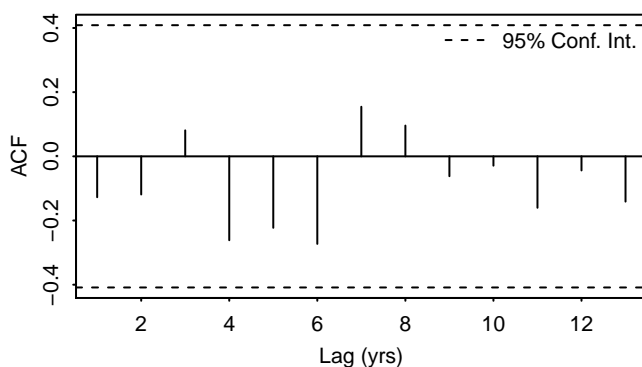c) Standardised residuals over time
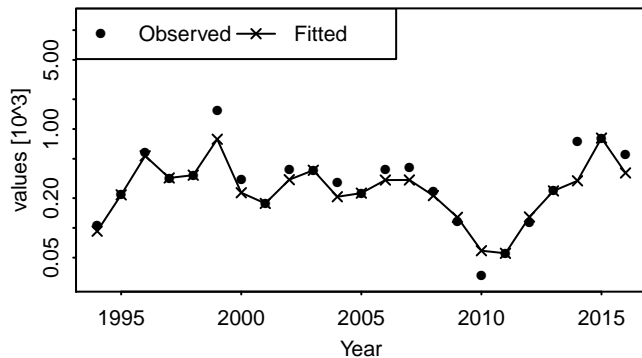d) Tukey–Anscombe plot
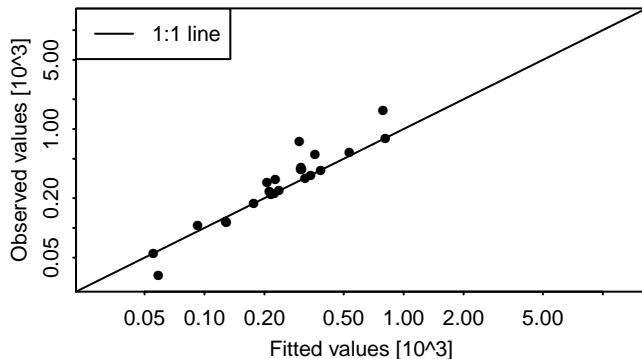e) Normal Q–Q plot
f) Autocorrelation of Residuals

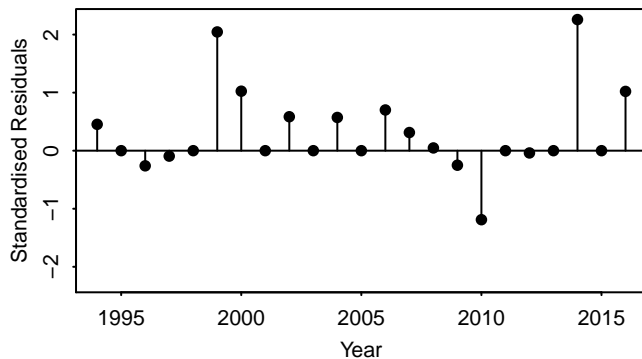# Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 7

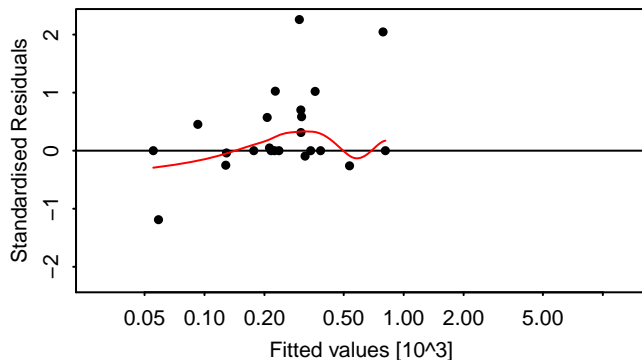a) Observed and fitted values time series

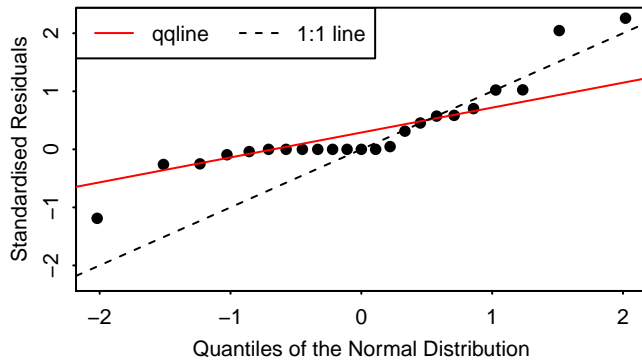b) Observed vs fitted values

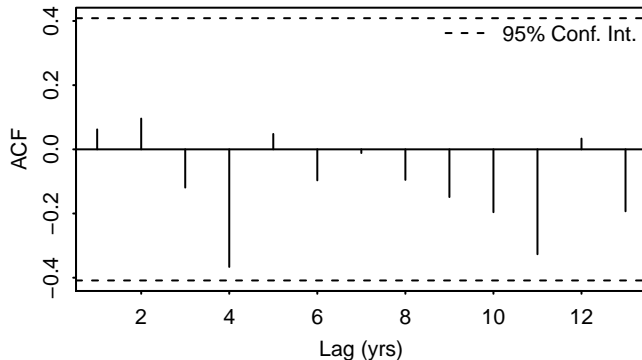c) Standardised residuals over time
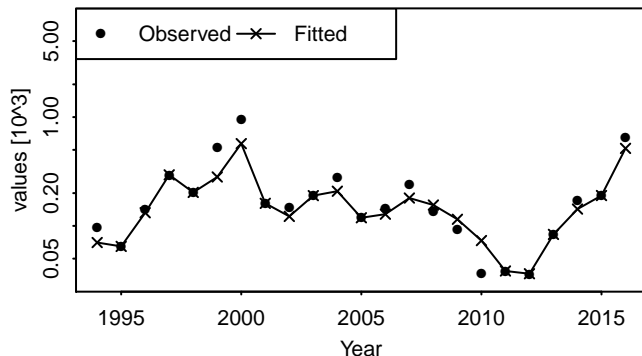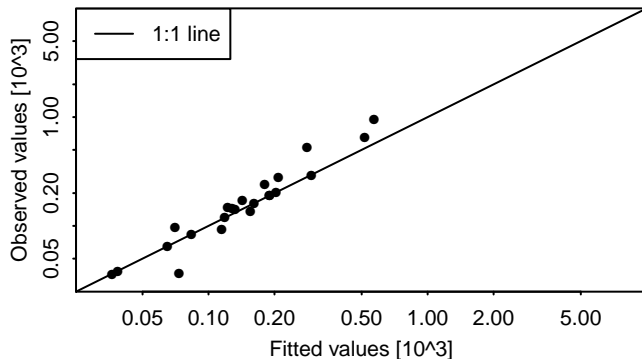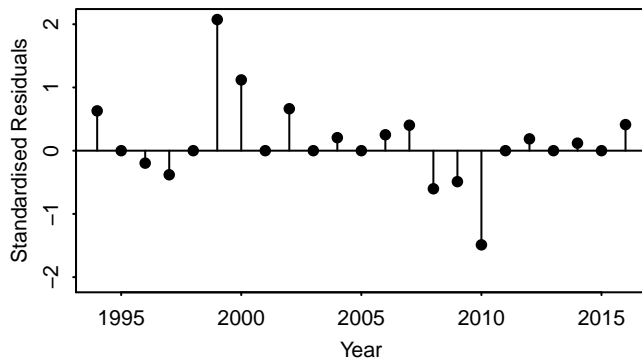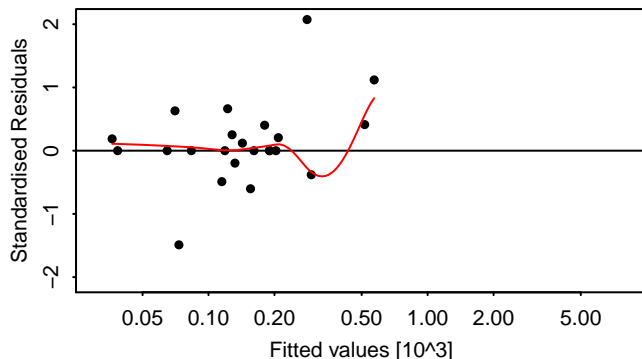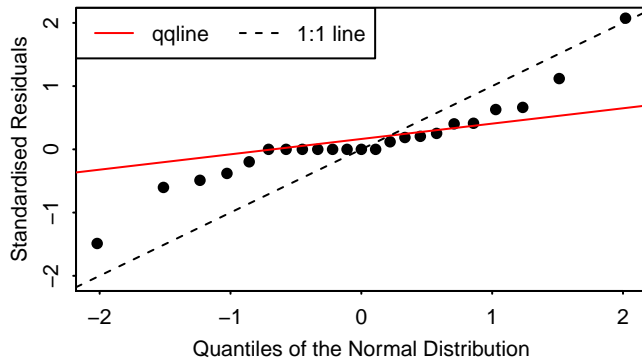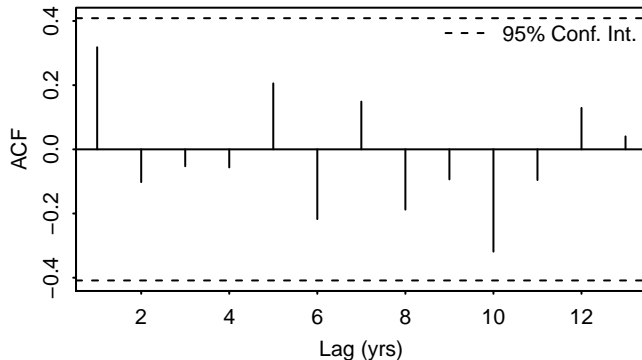
d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 8

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot
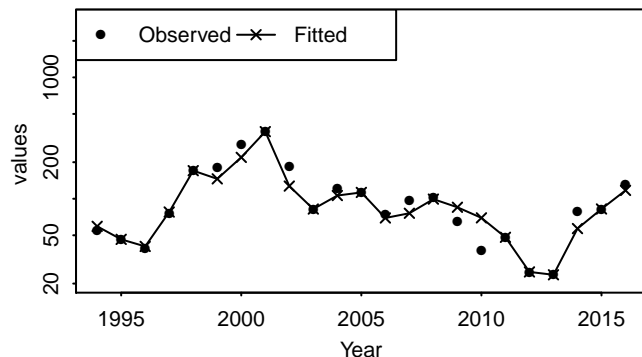
e) Normal Q–Q plot
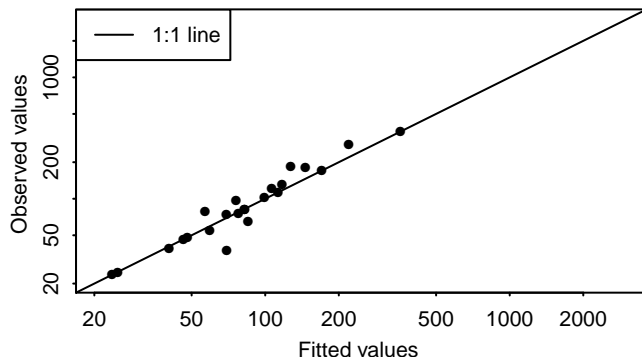
f) Autocorrelation of Residuals

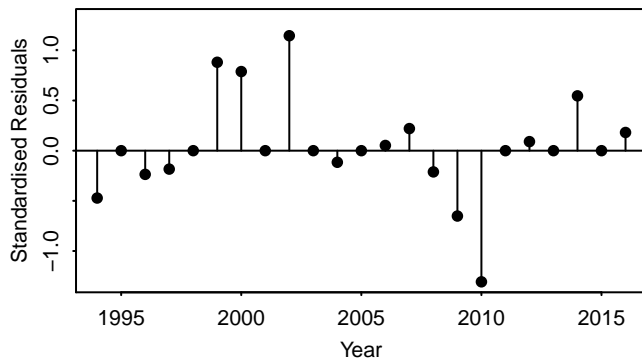# Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 9

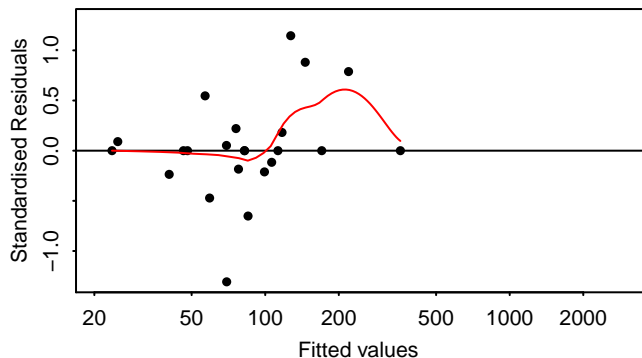a) Observed and fitted values time series

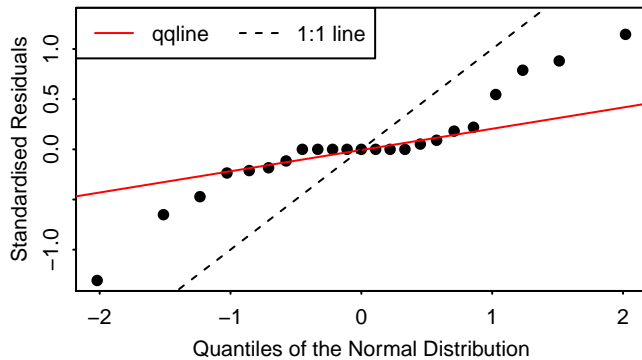b) Observed vs fitted values

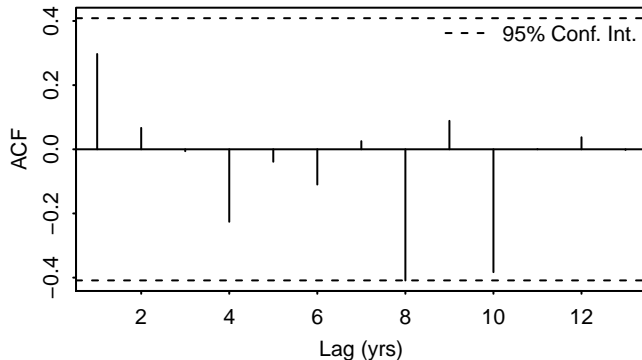c) Standardised residuals over time
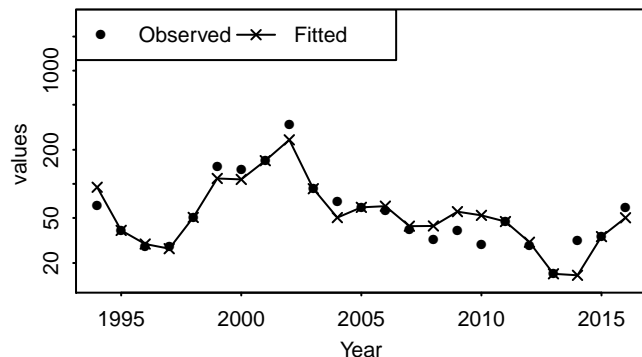
d) Tukey–Anscombe plot

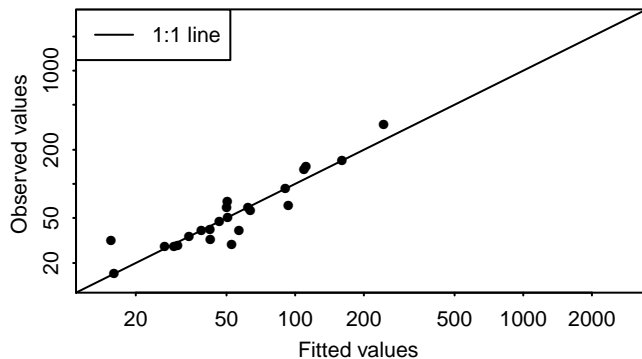e) Normal Q–Q plot

f) Autocorrelation of Residuals

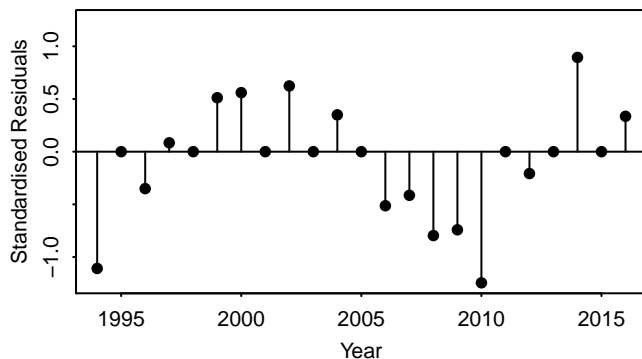# Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 10

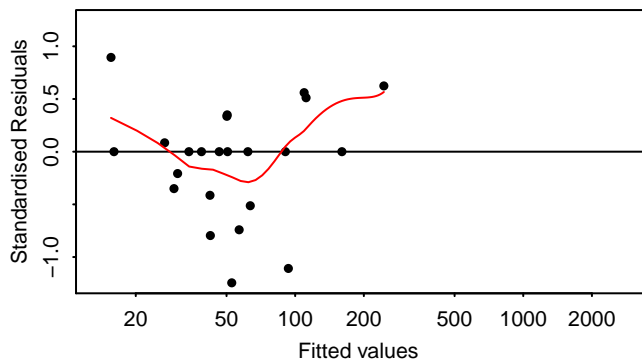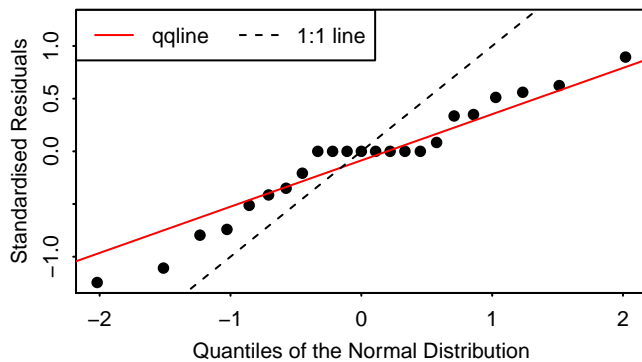a) Observed and fitted values time series
b) Observed vs fitted values
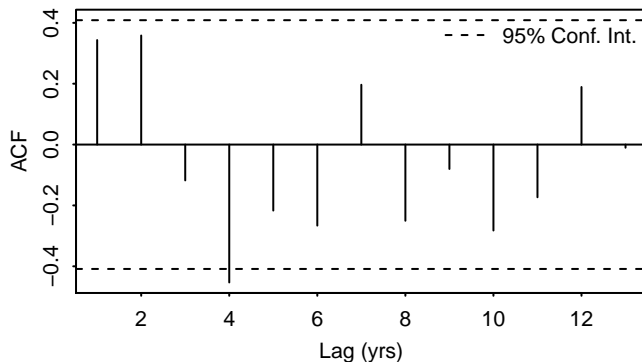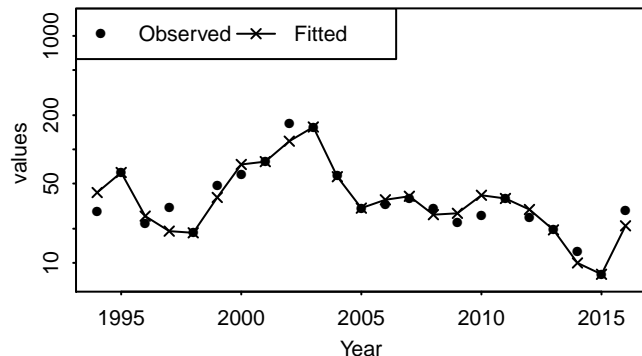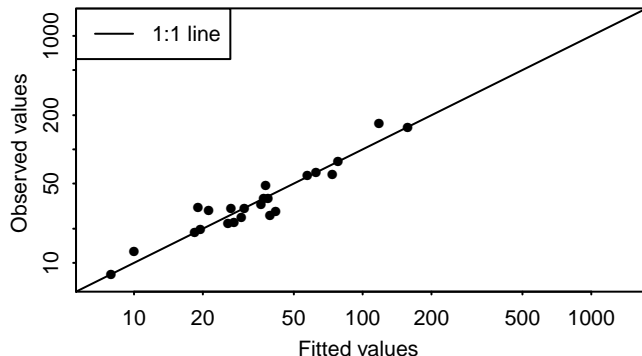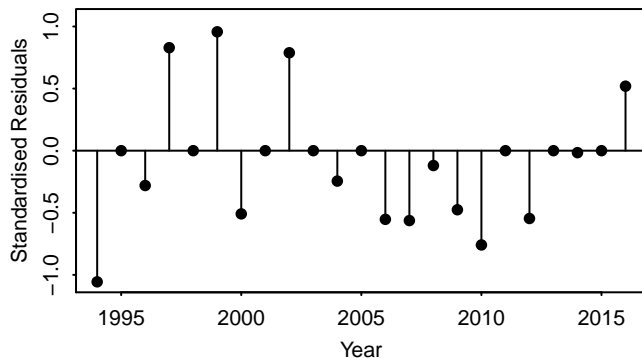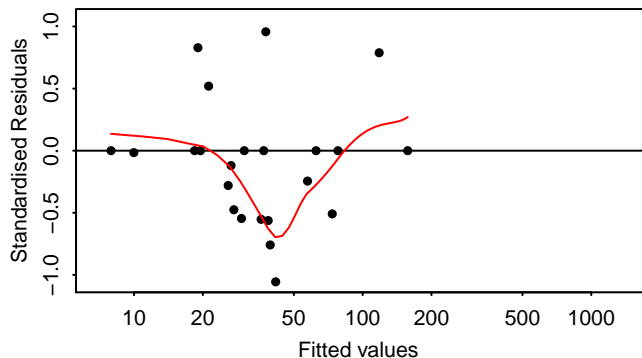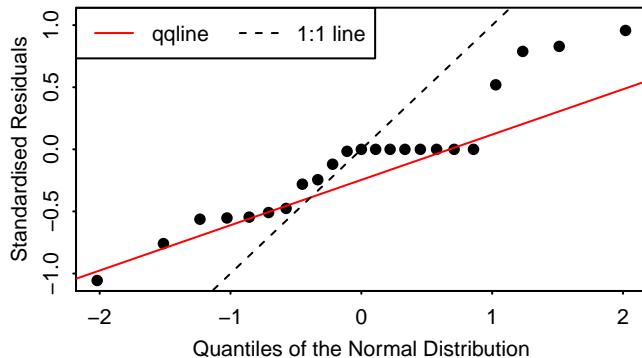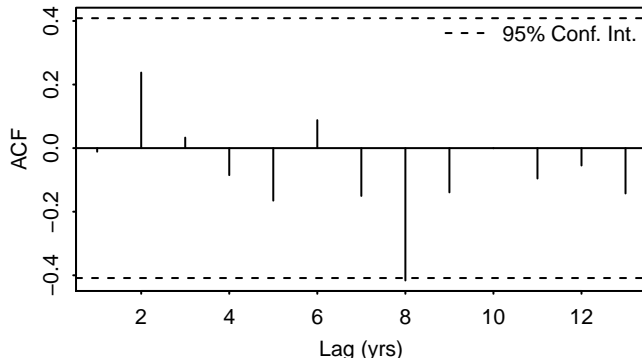c) Standardised residuals over time
d) Tukey–Anscombe plot
e) Normal Q–Q plot
f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 11

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 12

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 13

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

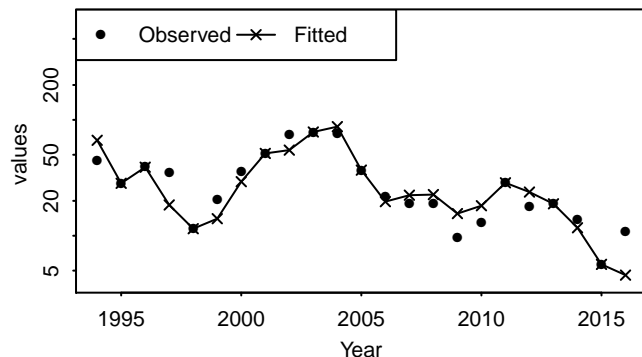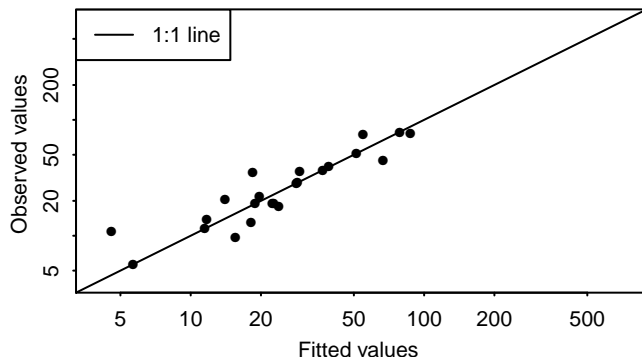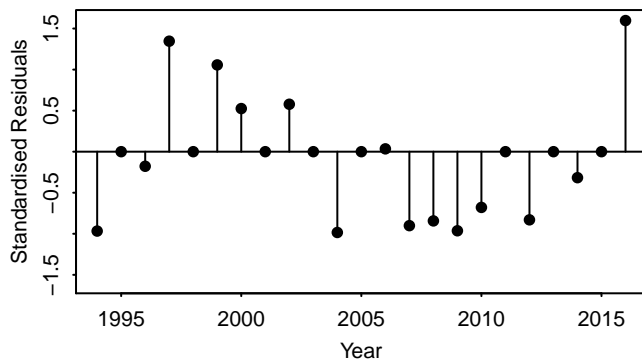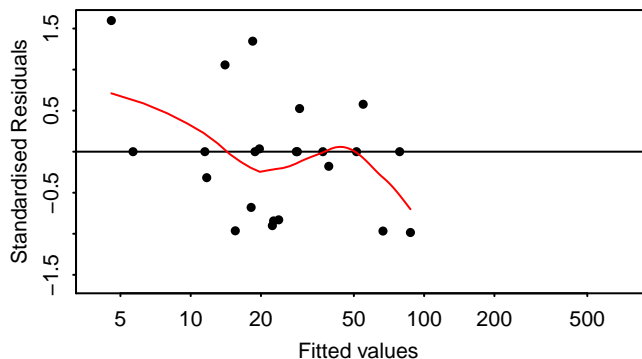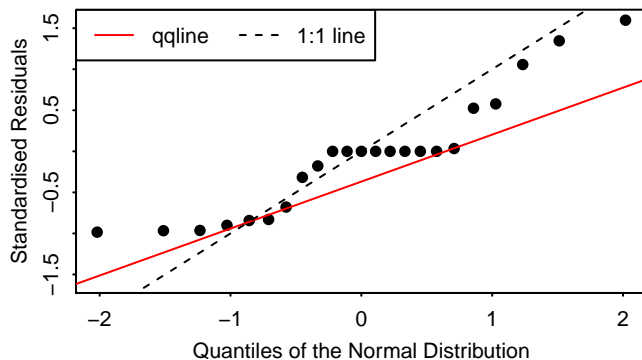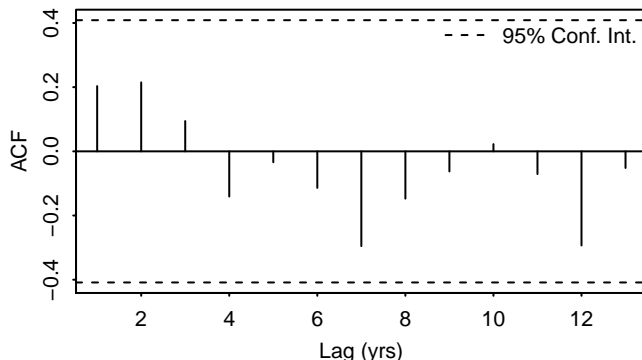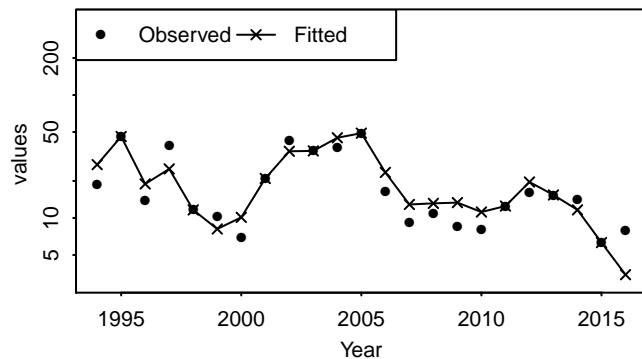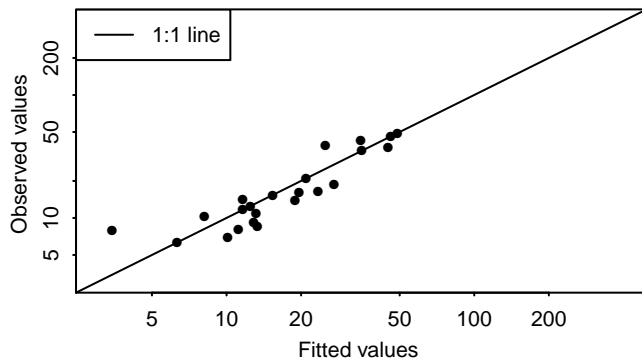**d) Tukey–Anscombe plot**

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 14

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

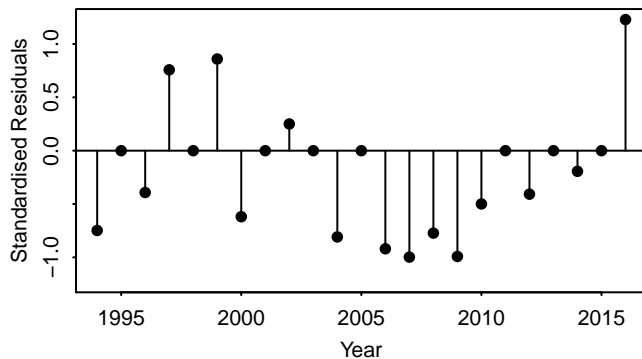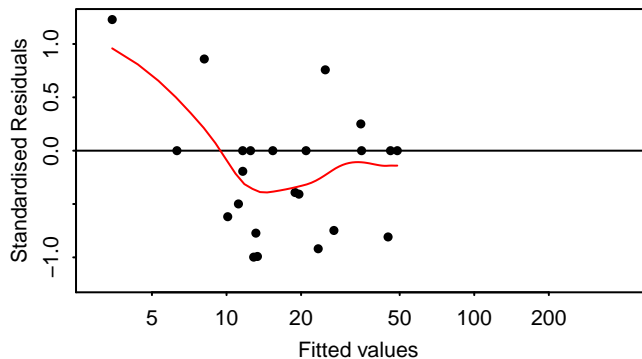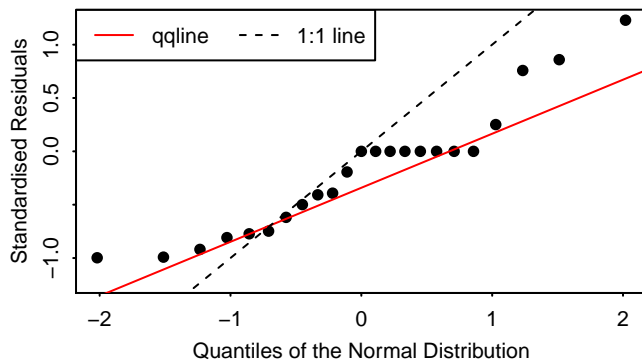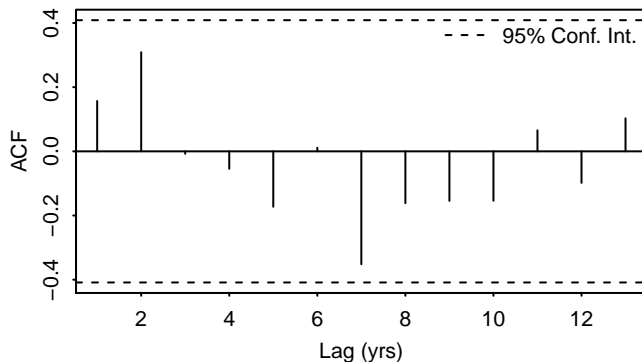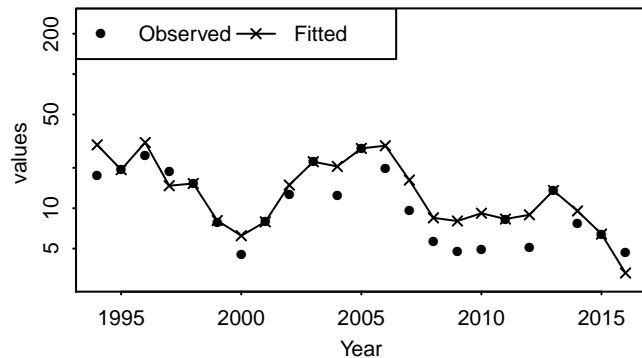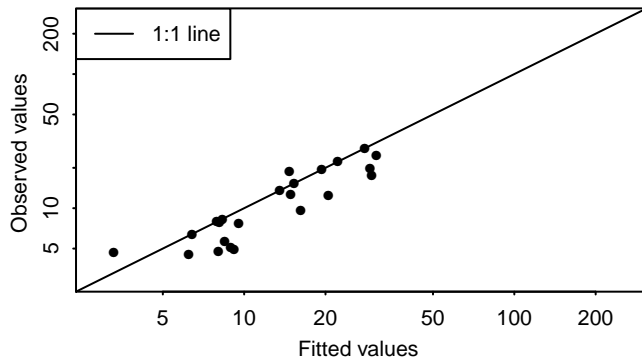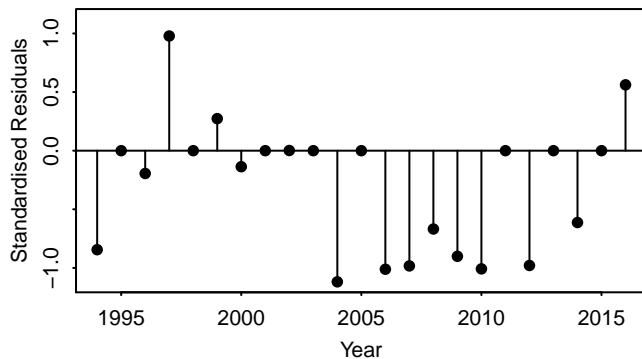**Eastern Bering Sea pollock Diagnostics – AcoustTrawl, age 15**

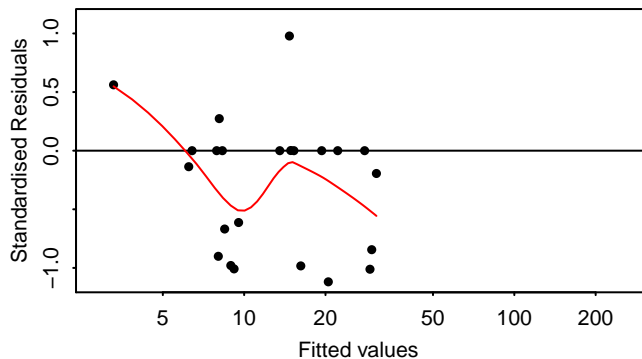a) Observed and fitted values time series
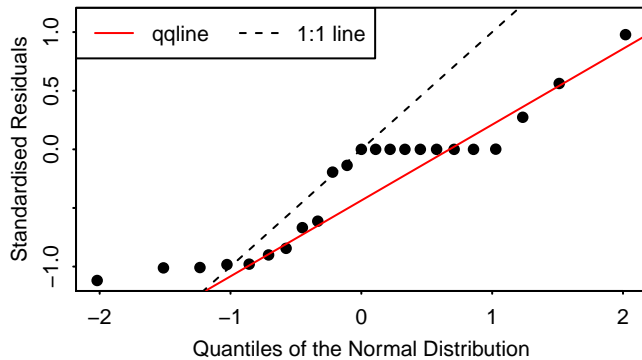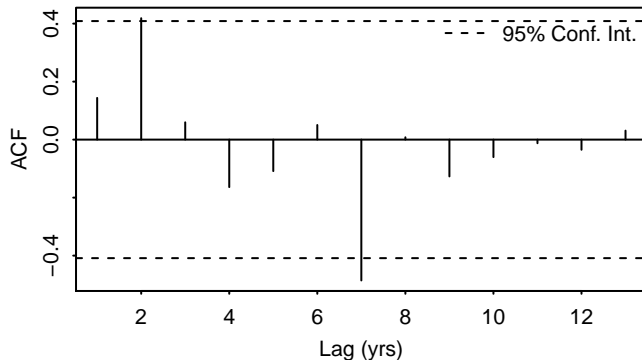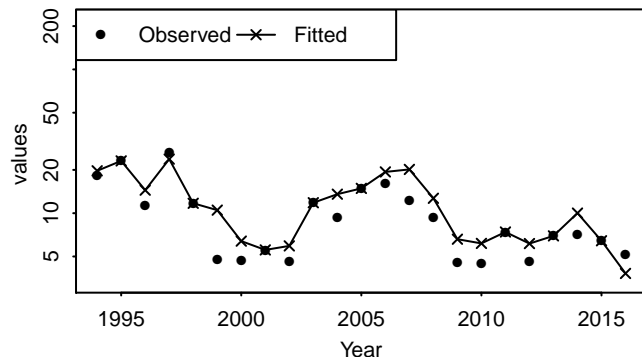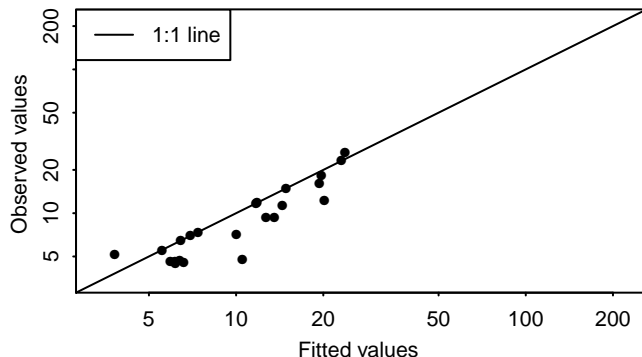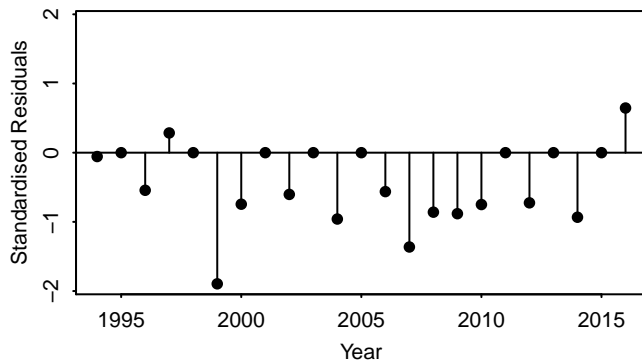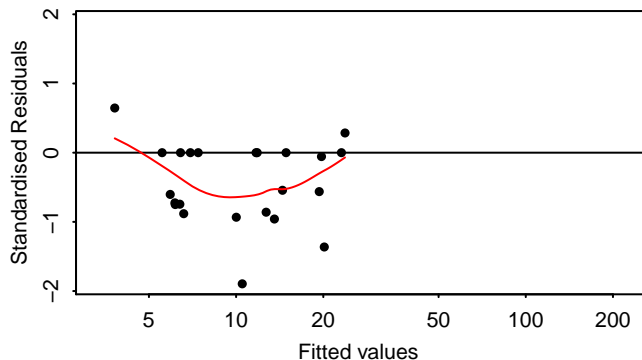
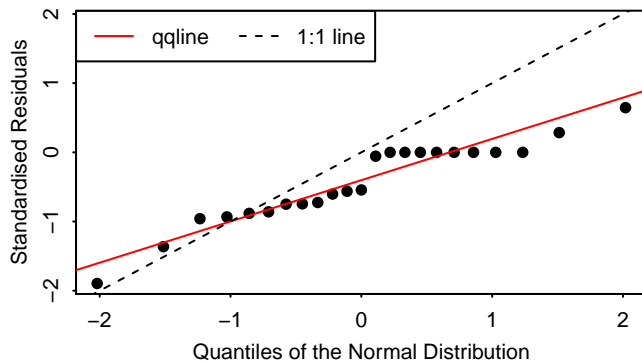b) Observed vs fitted values

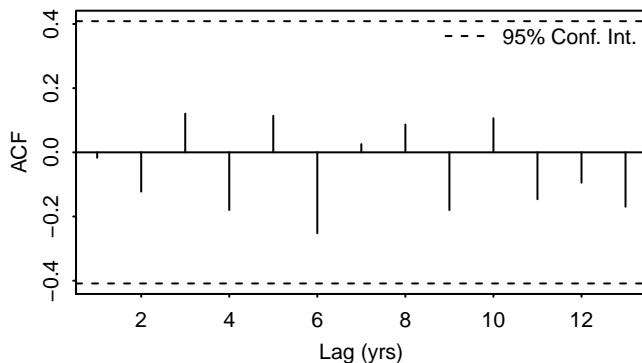c) Standardised residuals over time
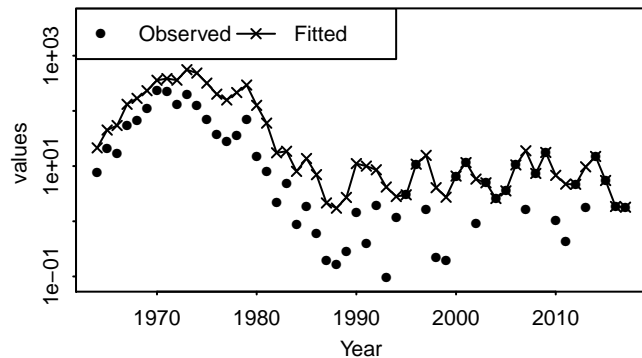
d) Tukey–Anscombe plot

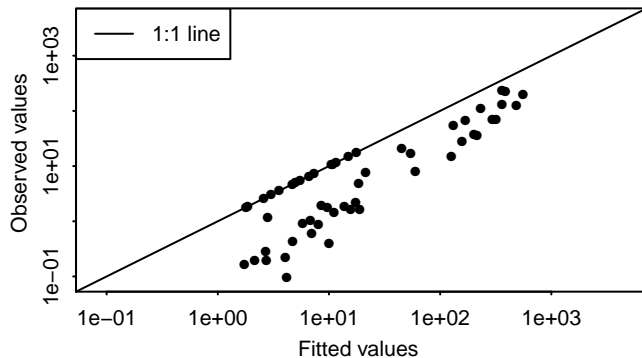e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 1

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

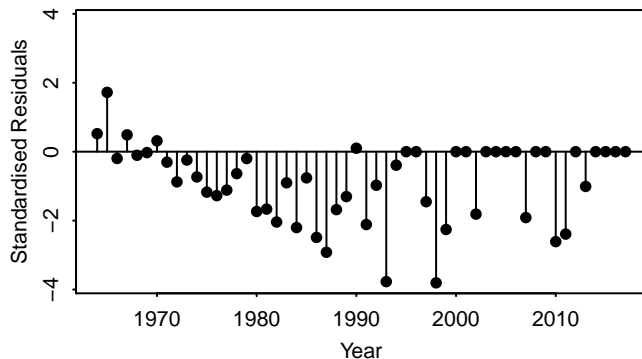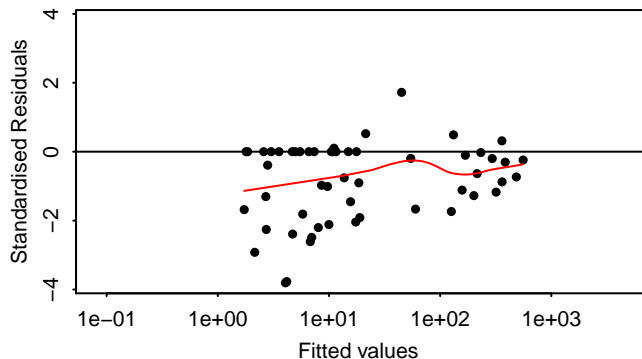**Eastern Bering Sea pollock Diagnostics – catch unique, age 2**

a) Observed and fitted values time series
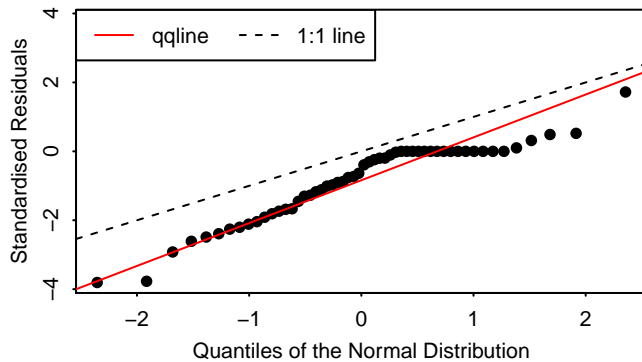
b) Observed vs fitted values
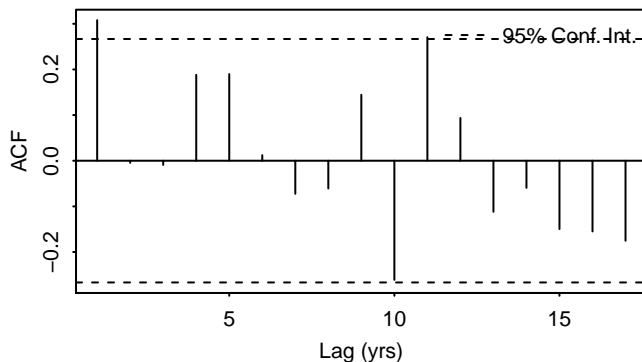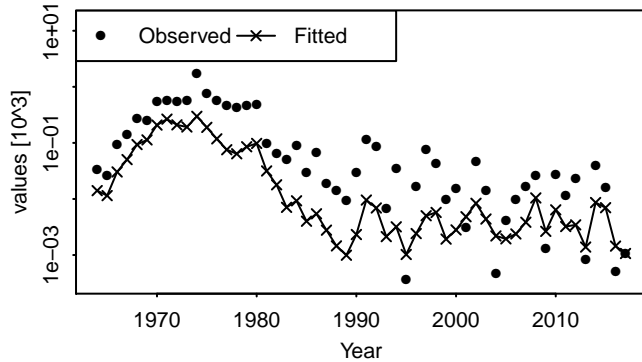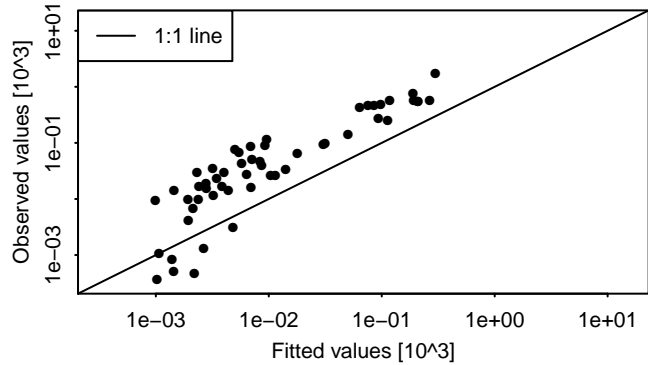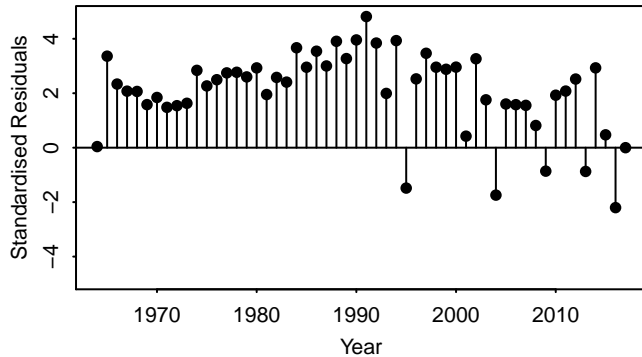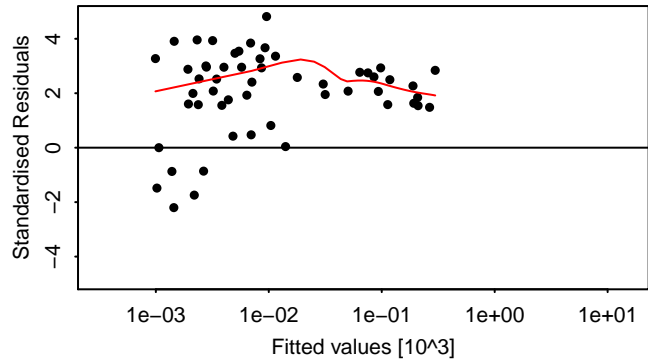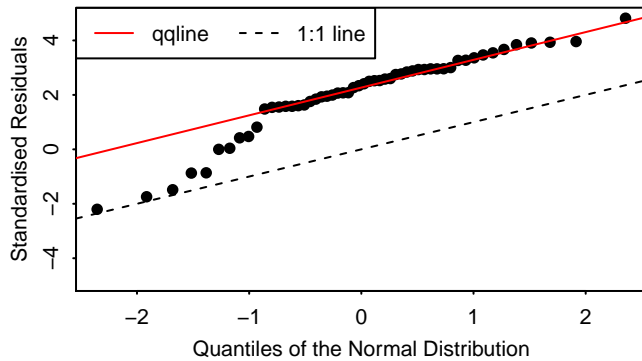
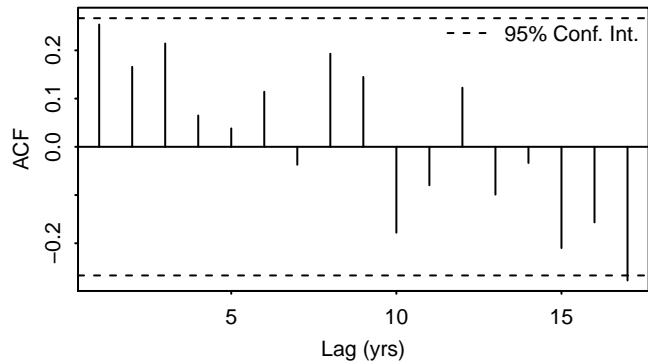c) Standardised residuals over time
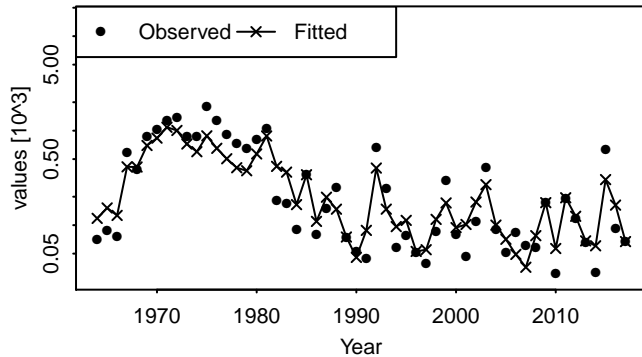
d) Tukey–Anscombe plot

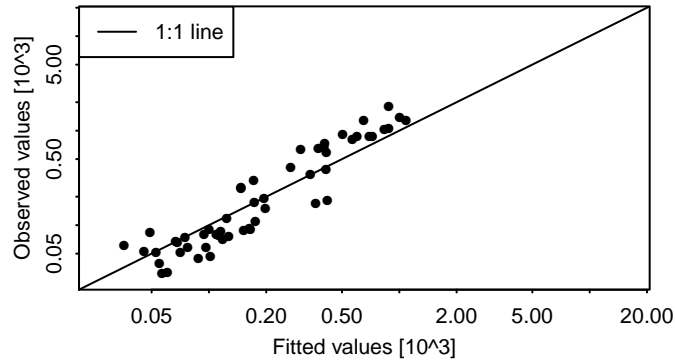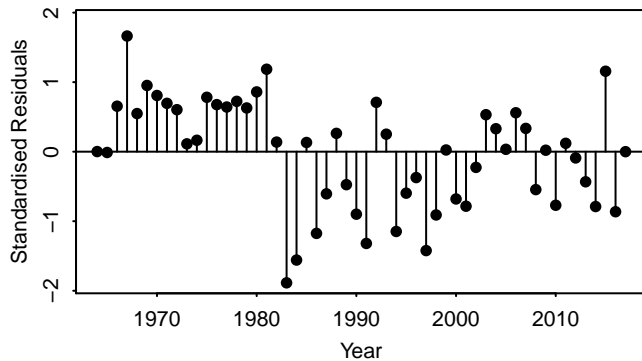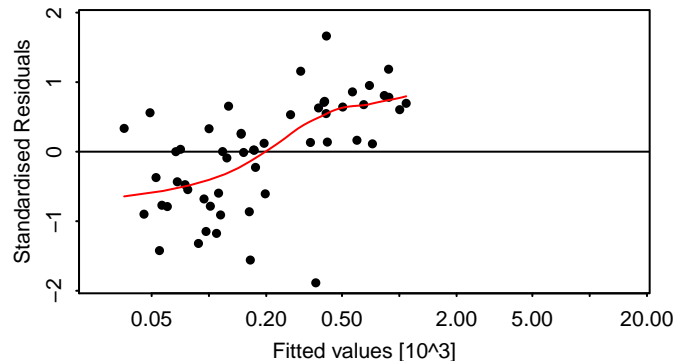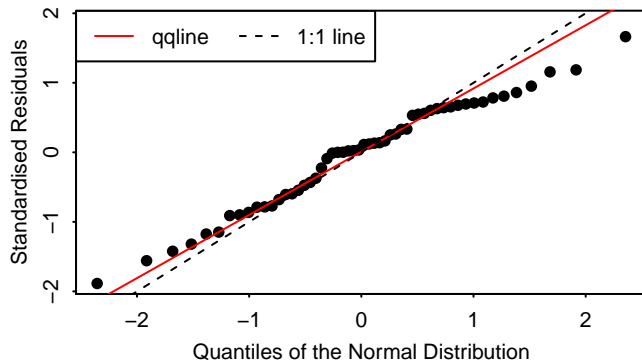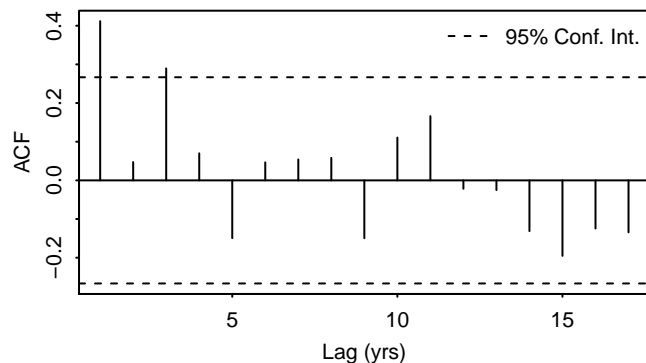e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 3

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

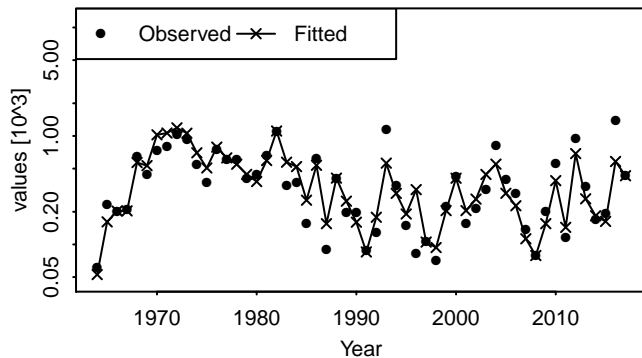**d) Tukey–Anscombe plot**

e) Normal Q–Q plot
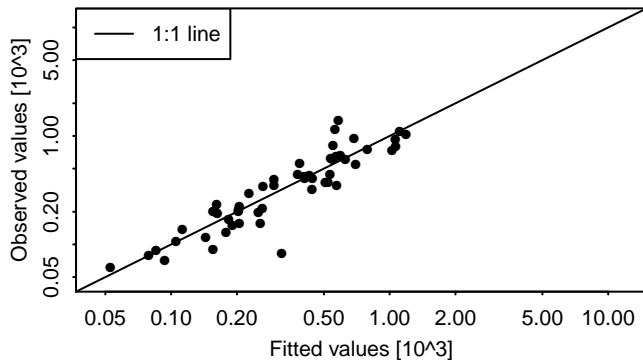
f) Autocorrelation of Residuals

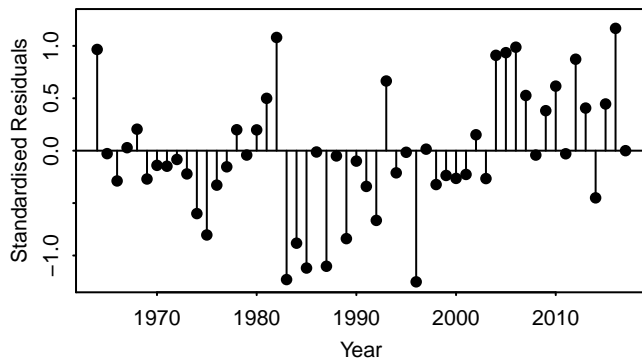**Eastern Bering Sea pollock Diagnostics – catch unique, age 4**

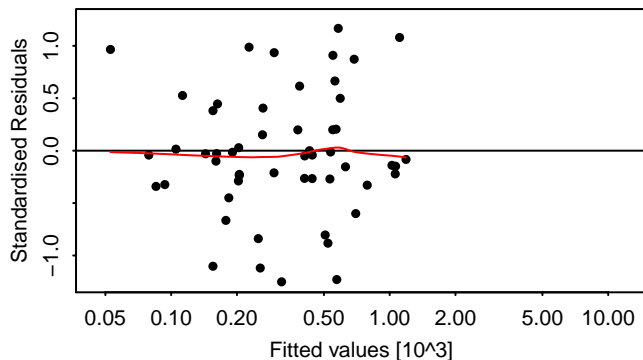a) Observed and fitted values time series

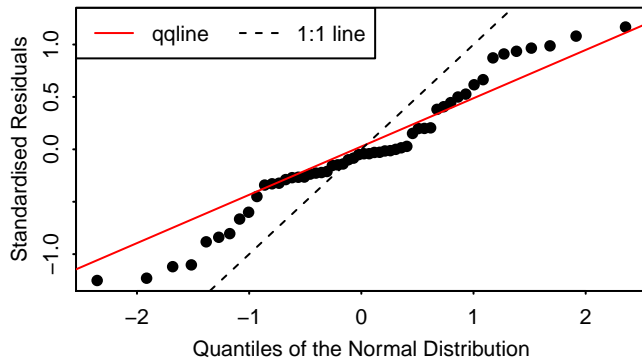b) Observed vs fitted values

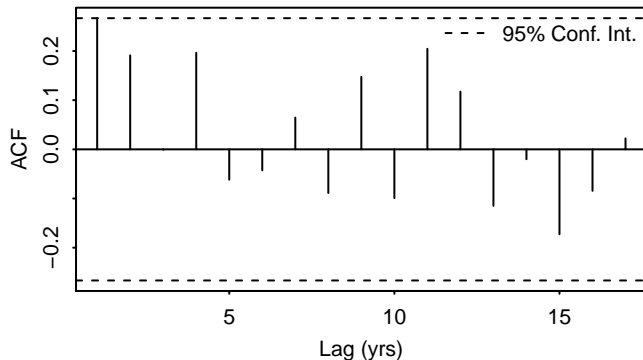c) Standardised residuals over time
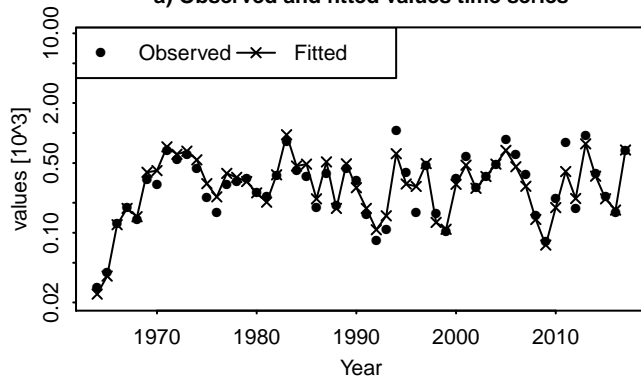
d) Tukey−Anscombe plot

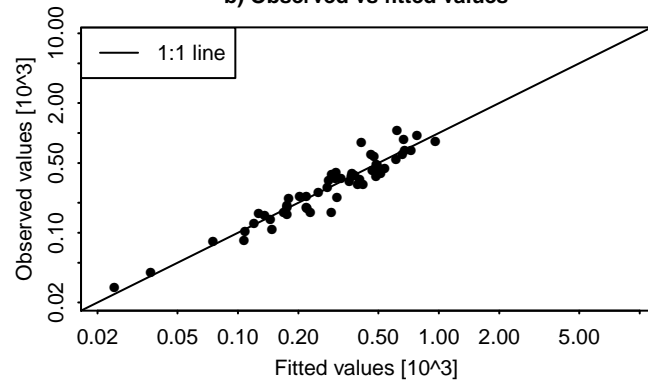e) Normal Q−Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 5
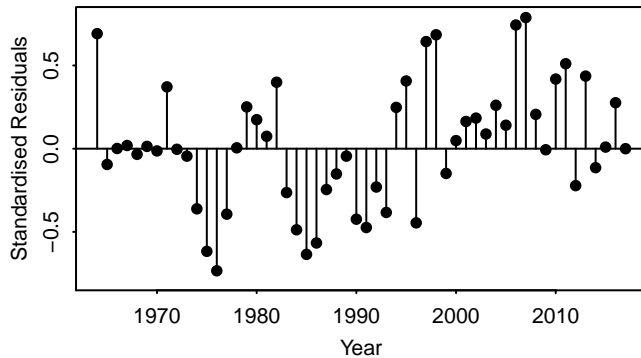
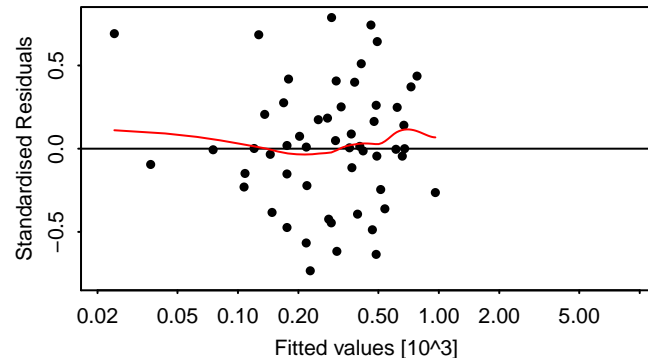a) Observed and fitted values time series

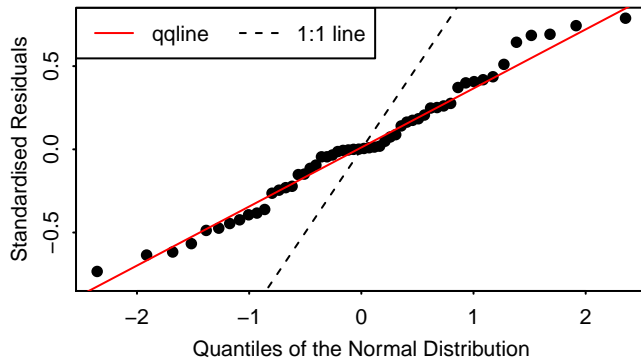b) Observed vs fitted values

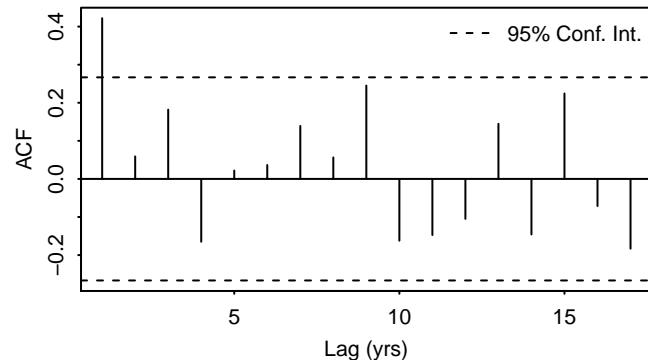c) Standardised residuals over time
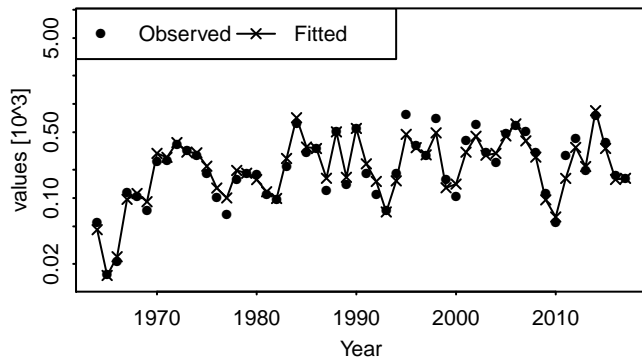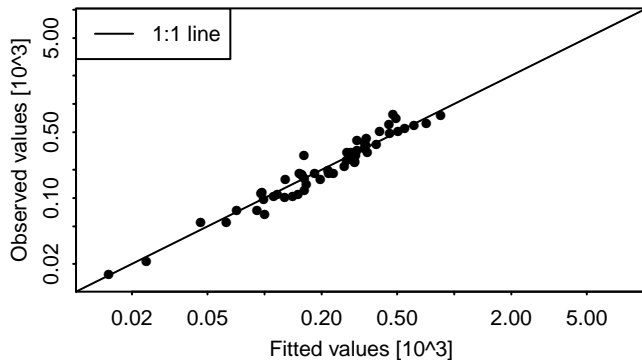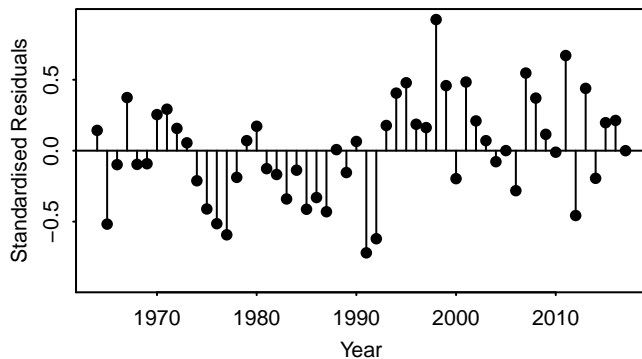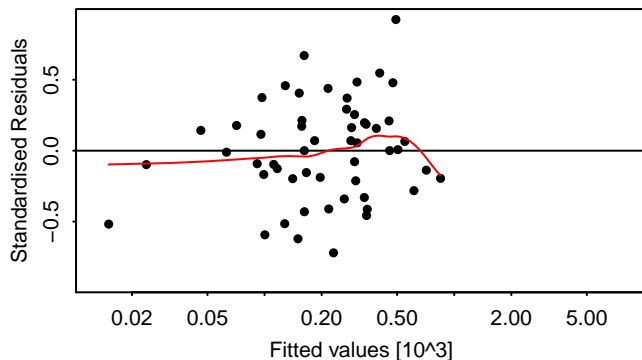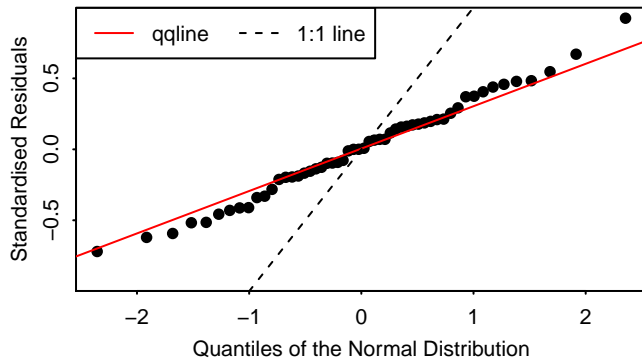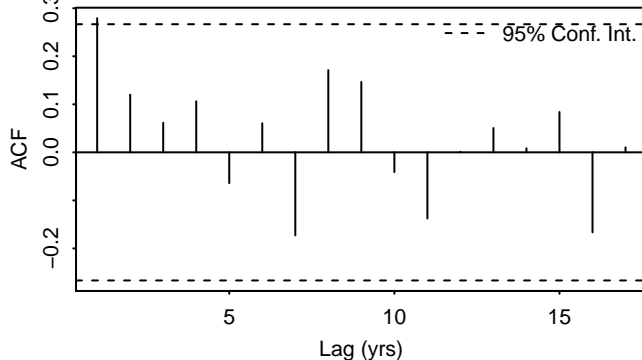
d) Tukey−Anscombe plot

e) Normal Q−Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 6

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

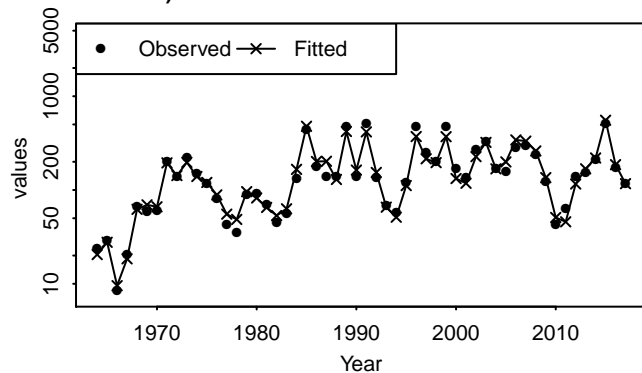**d) Tukey–Anscombe plot**

e) Normal Q–Q plot
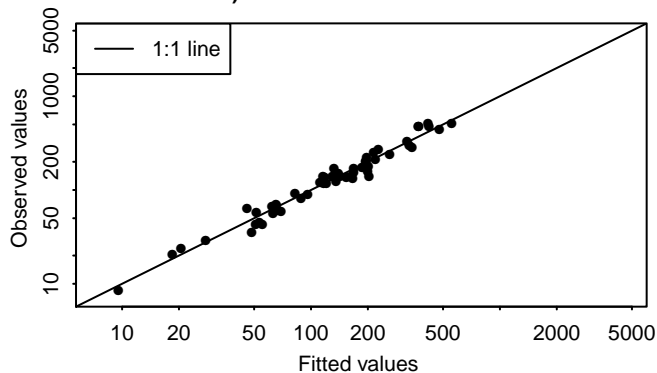
f) Autocorrelation of Residuals

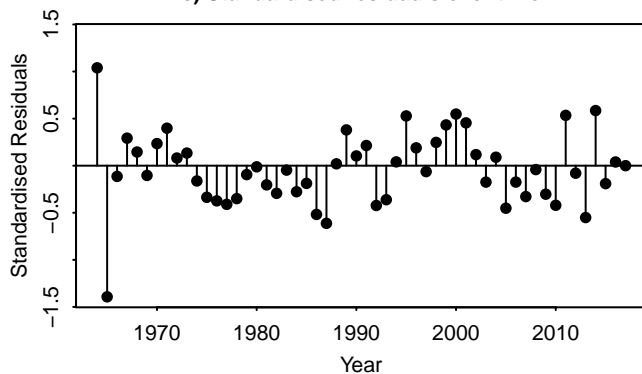# Eastern Bering Sea pollock Diagnostics – catch unique, age 7

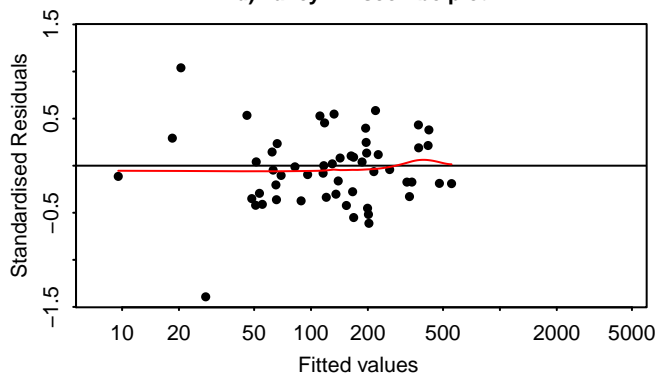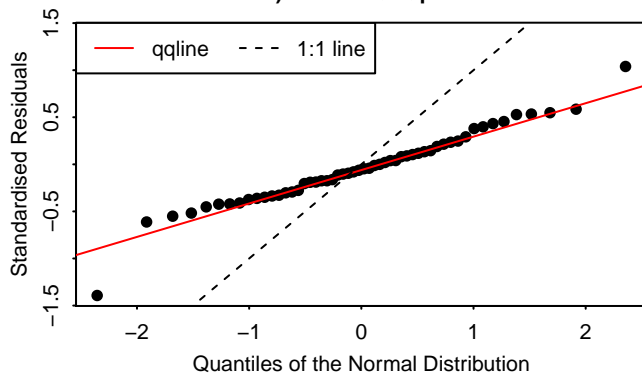a) Observed and fitted values time series
b) Observed vs fitted values
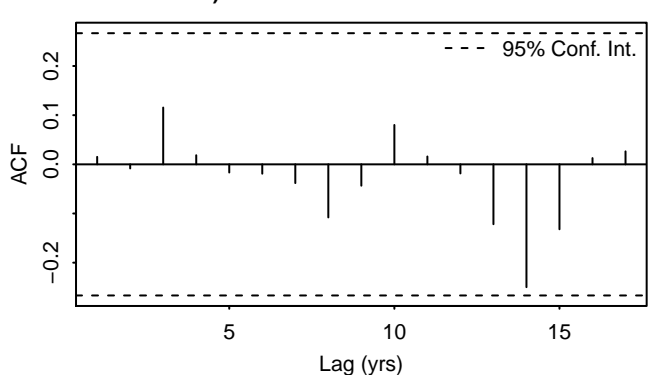c) Standardised residuals over time
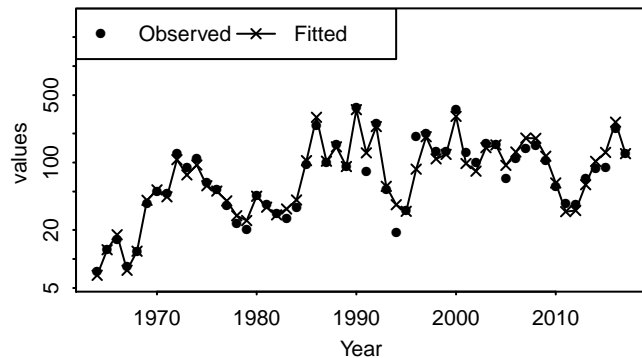d) Tukey–Anscombe plot
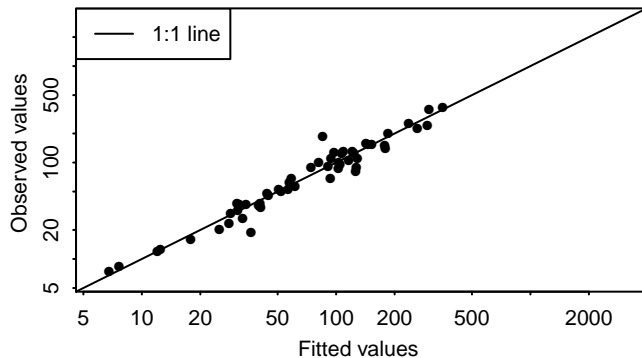e) Normal Q–Q plot
f) Autocorrelation of Residuals

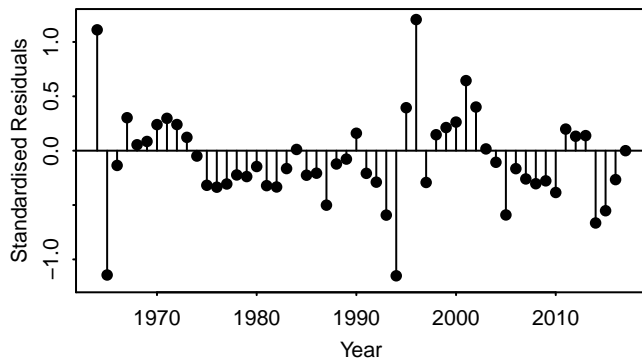# Eastern Bering Sea pollock Diagnostics – catch unique, age 8

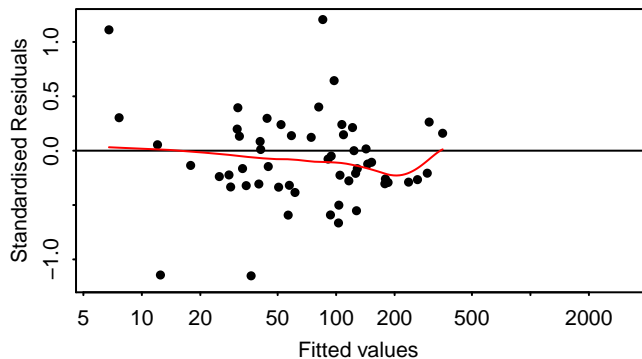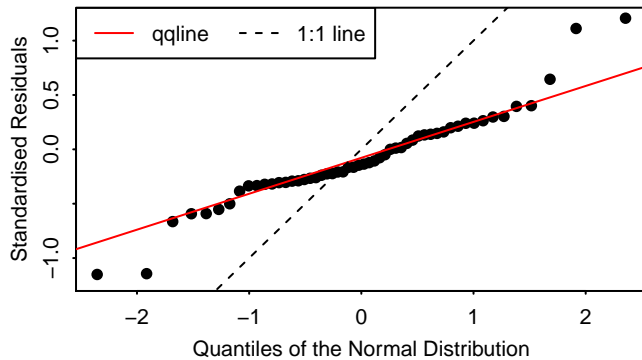a) Observed and fitted values time series
b) Observed vs fitted values
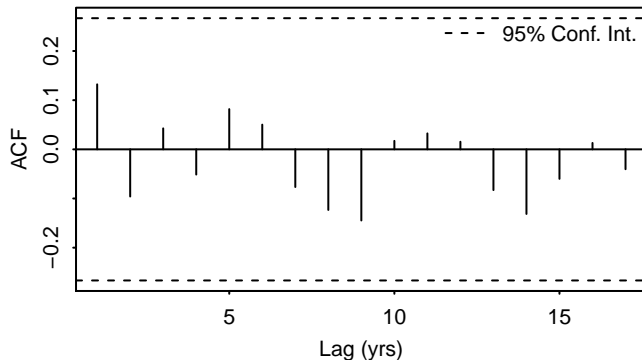c) Standardised residuals over time
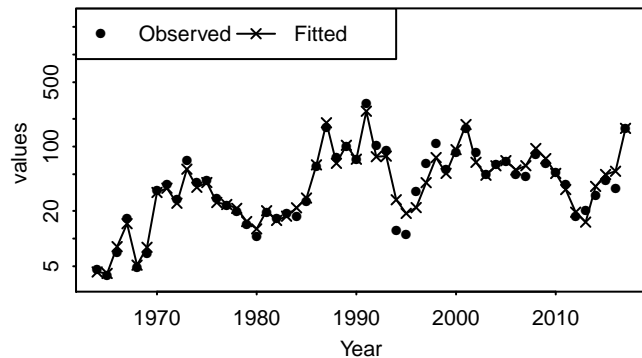d) Tukey–Anscombe plot
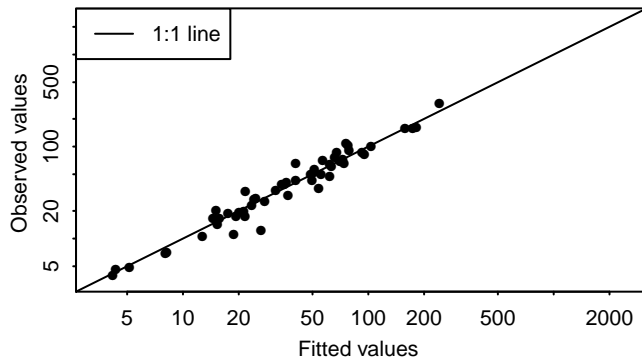e) Normal Q–Q plot
f) Autocorrelation of Residuals

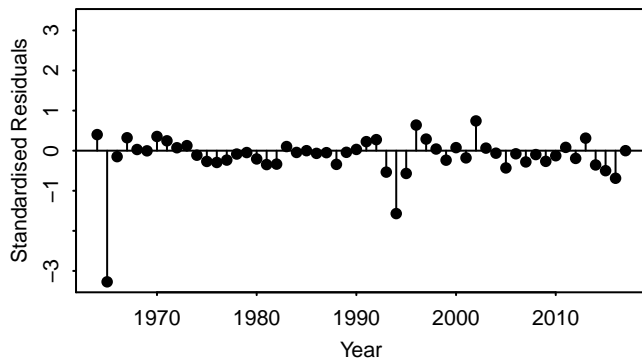# Eastern Bering Sea pollock Diagnostics – catch unique, age 9

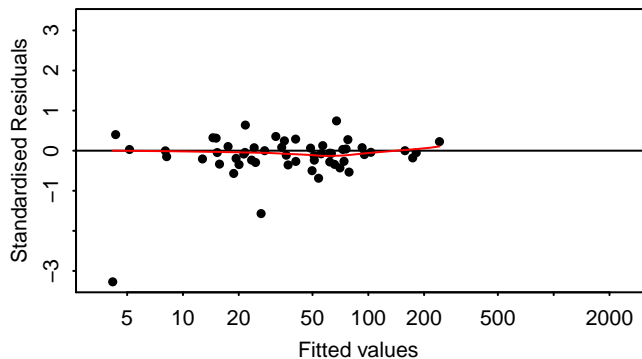a) Observed and fitted values time series

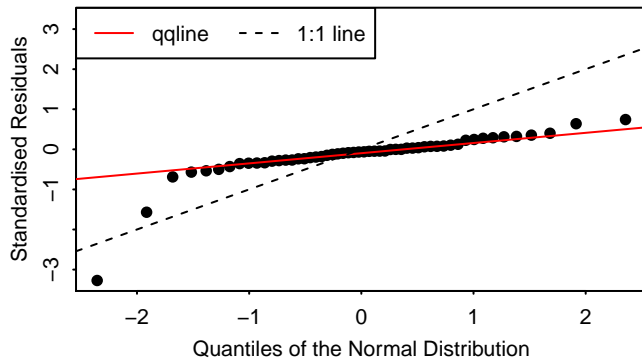b) Observed vs fitted values

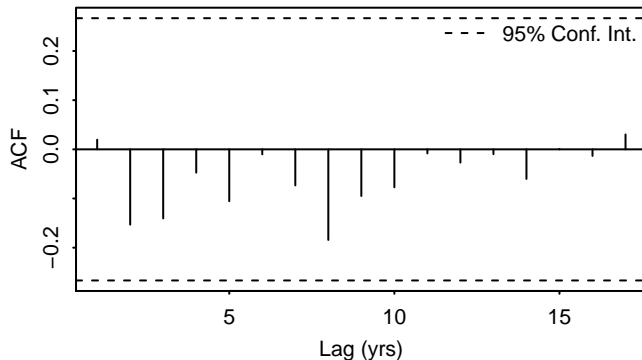c) Standardised residuals over time
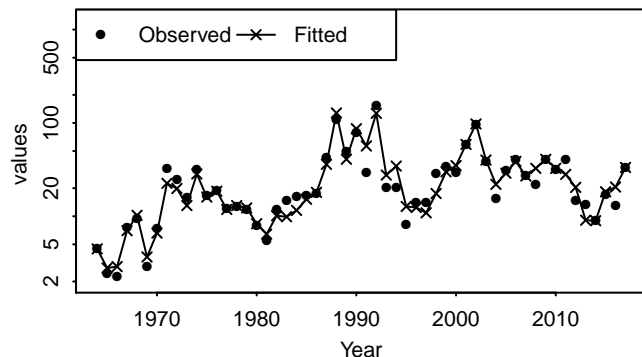
d) Tukey–Anscombe plot

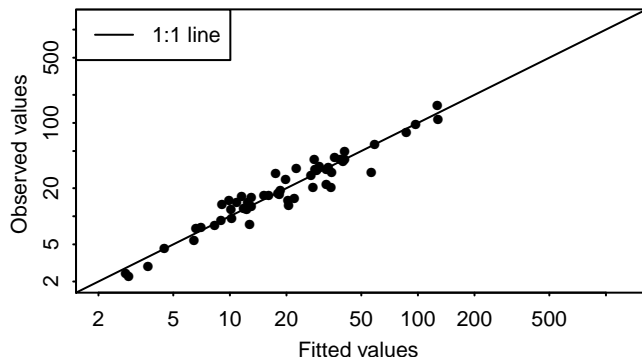e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 10
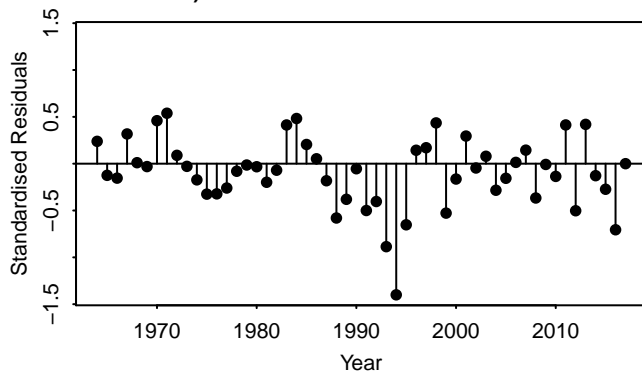

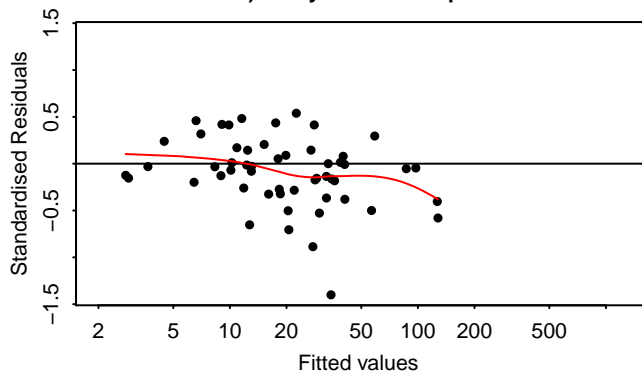
a) Observed and fitted values time series
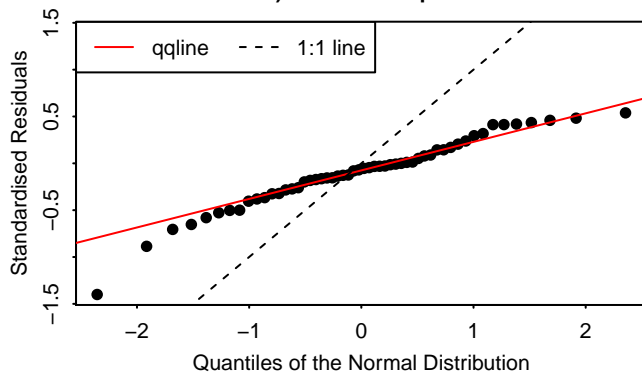
b) Observed vs fitted values
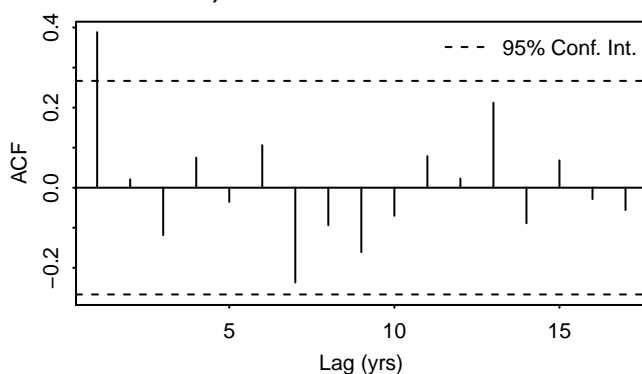
c) Standardised residuals over time
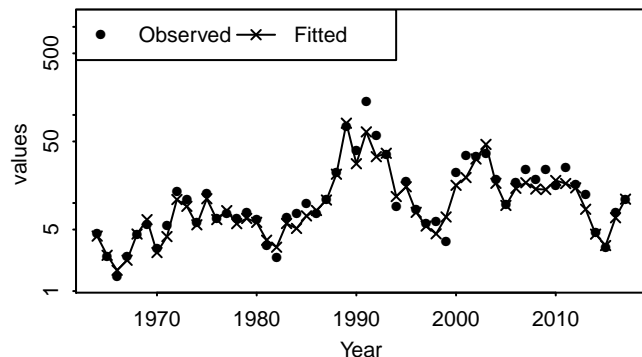
d) Tukey–Anscombe plot
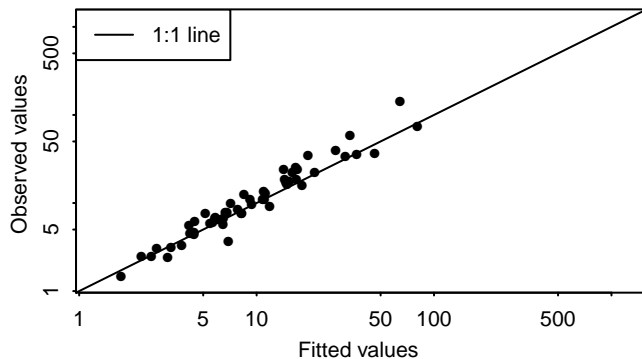
e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 11
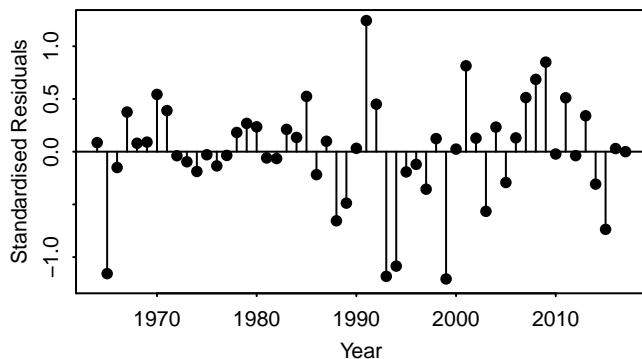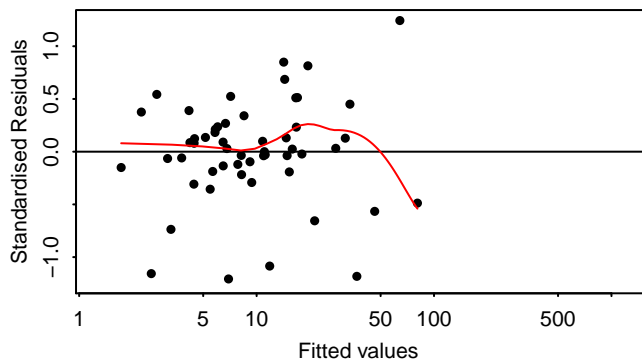
a) Observed and fitted values time series

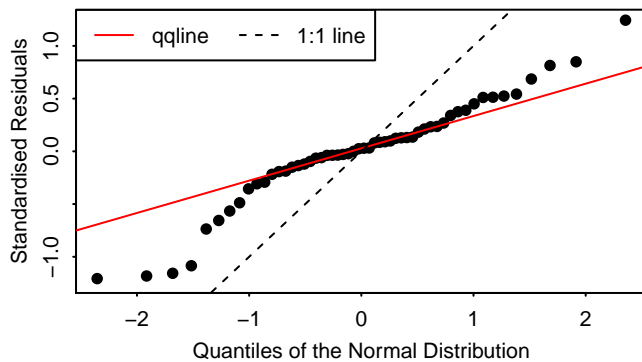b) Observed vs fitted values

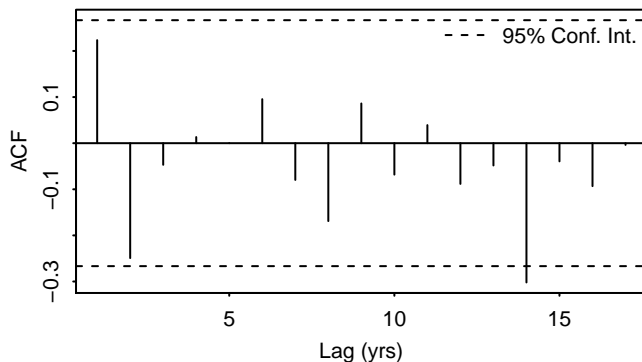c) Standardised residuals over time
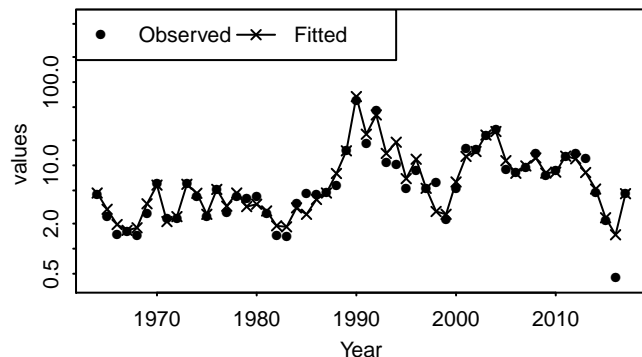
d) Tukey–Anscombe plot

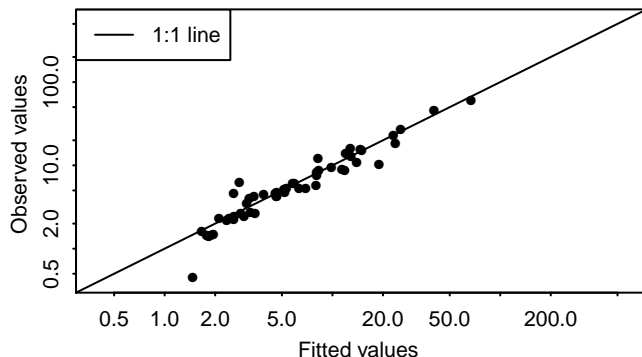e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 12
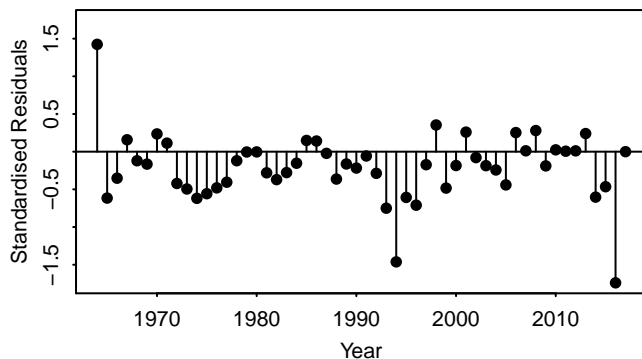

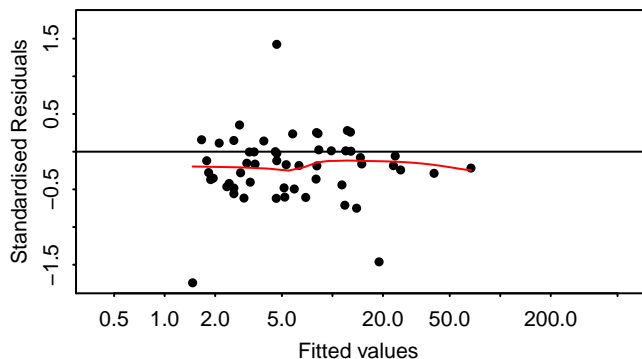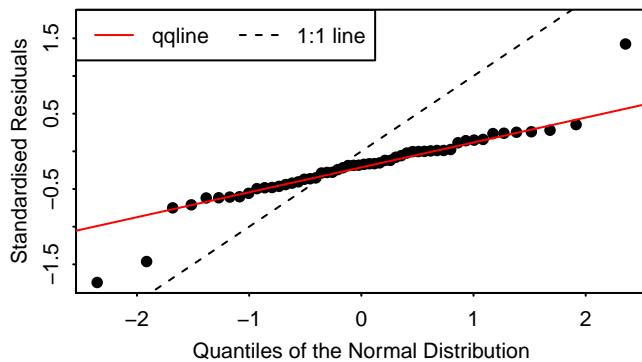a) Observed and fitted values time series
b) Observed vs fitted values
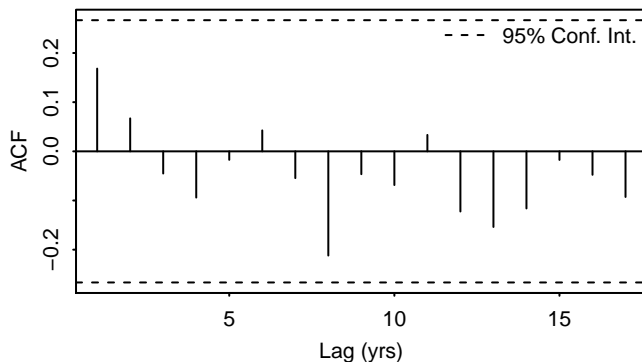c) Standardised residuals over time
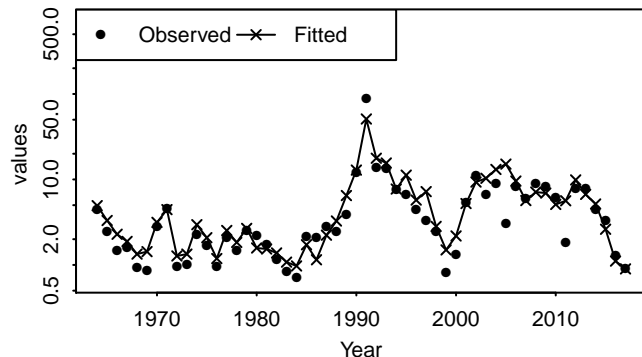d) Tukey–Anscombe plot
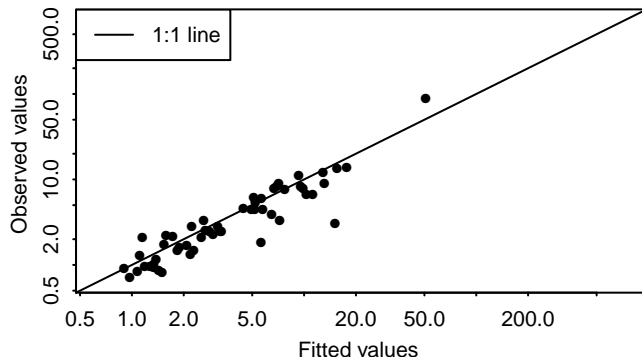e) Normal Q–Q plot
f) Autocorrelation of Residuals

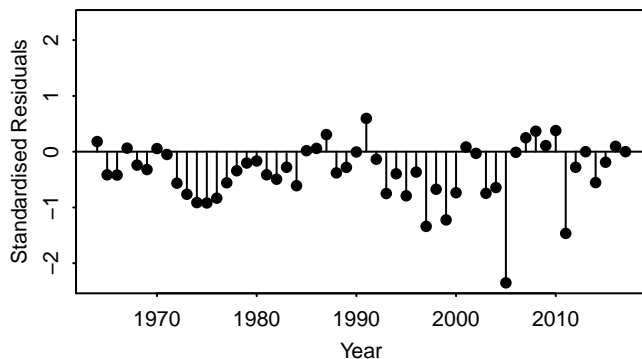# Eastern Bering Sea pollock Diagnostics – catch unique, age 13

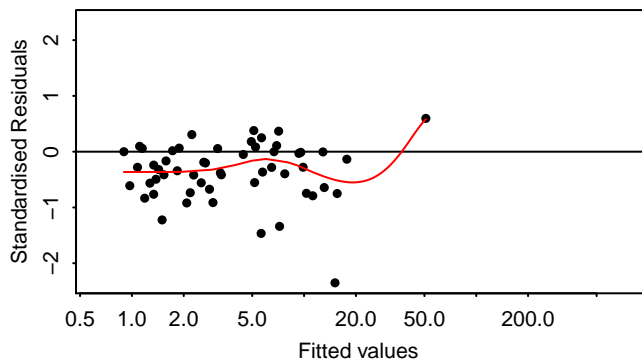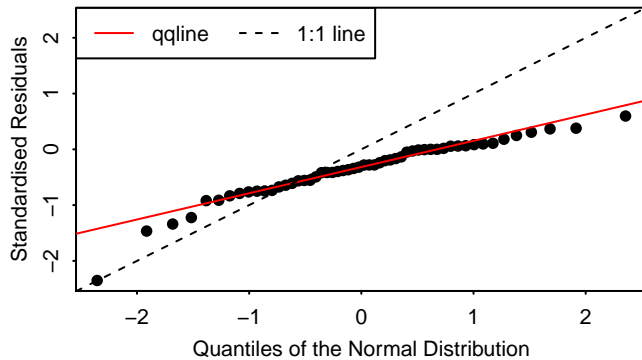a) Observed and fitted values time series
b) Observed vs fitted values
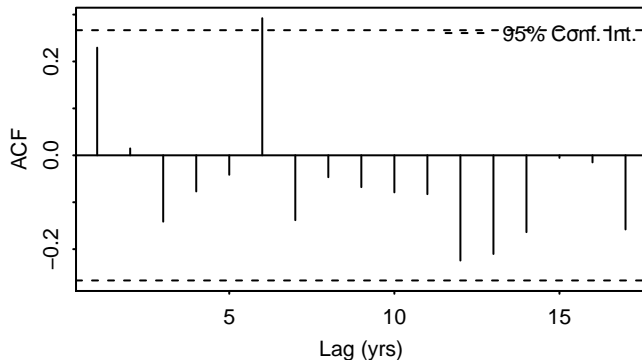c) Standardised residuals over time
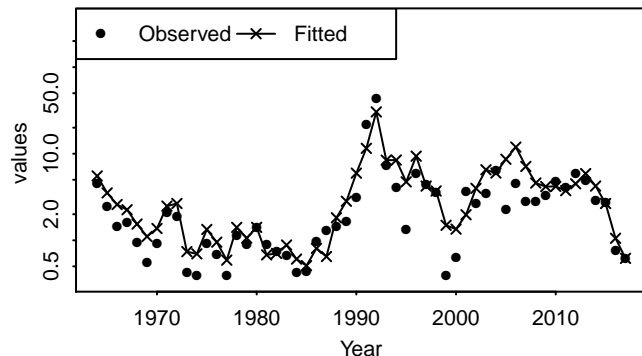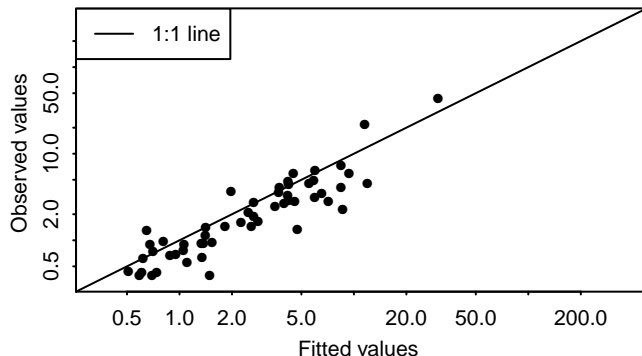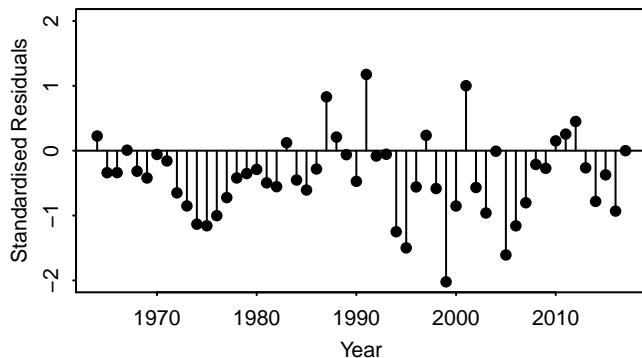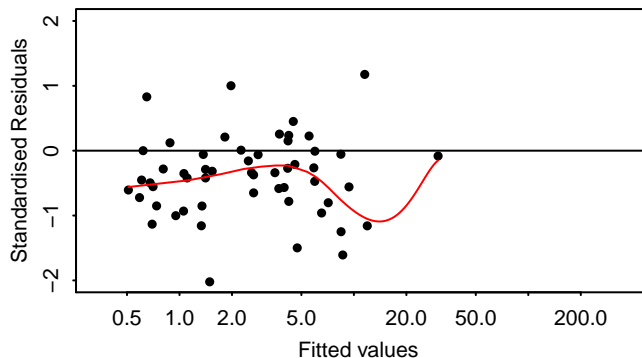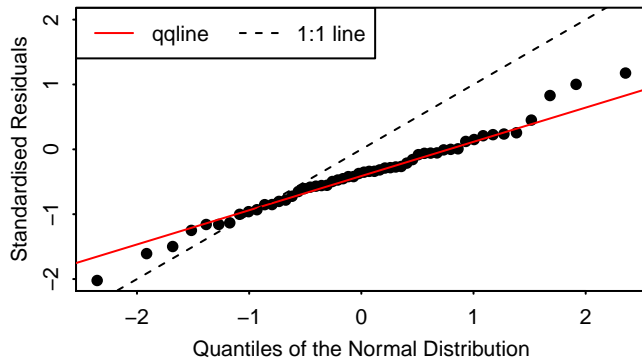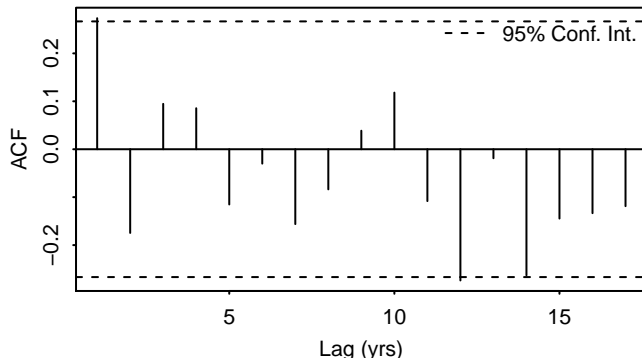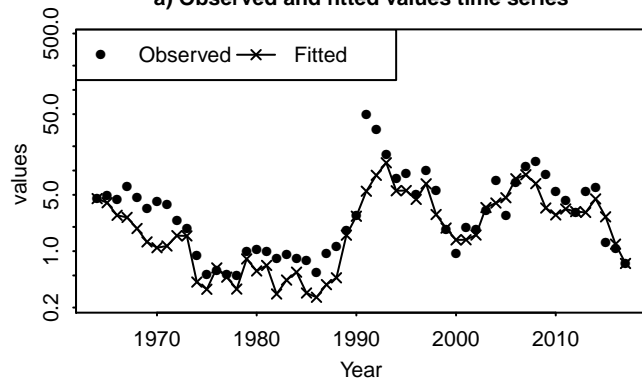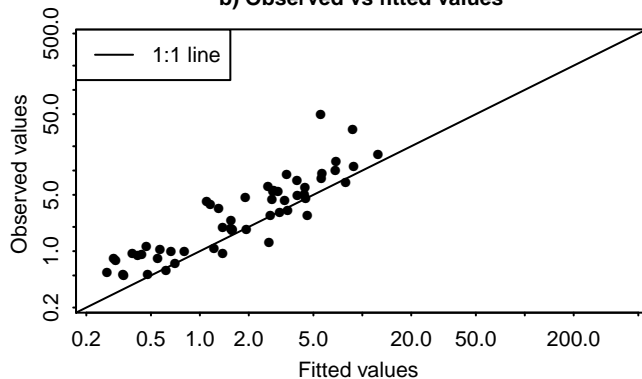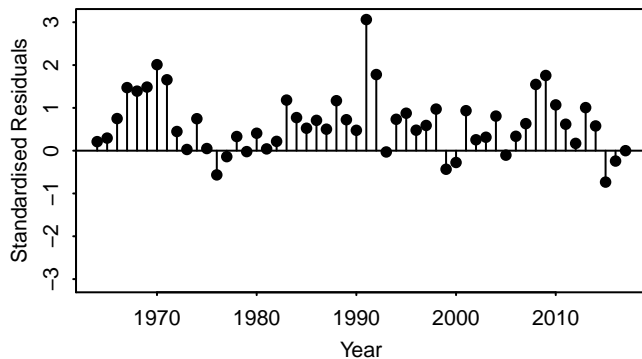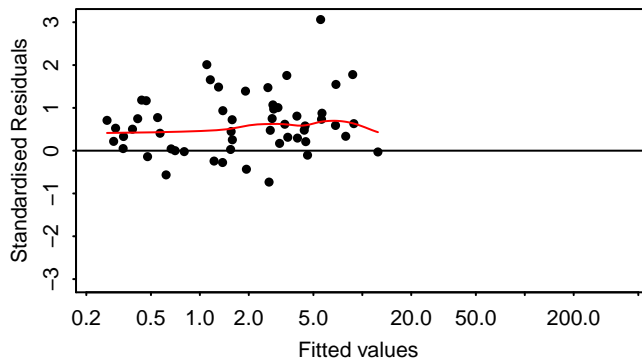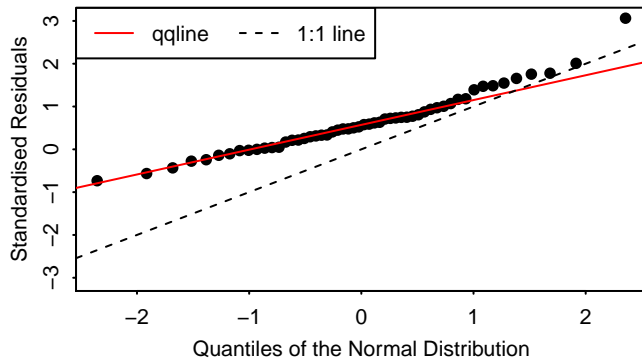d) Tukey–Anscombe plot
e) Normal Q–Q plot
f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 14

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey−Anscombe plot

e) Normal Q−Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – catch unique, age 15

a) Observed and fitted values time series

b) Observed vs fitted values
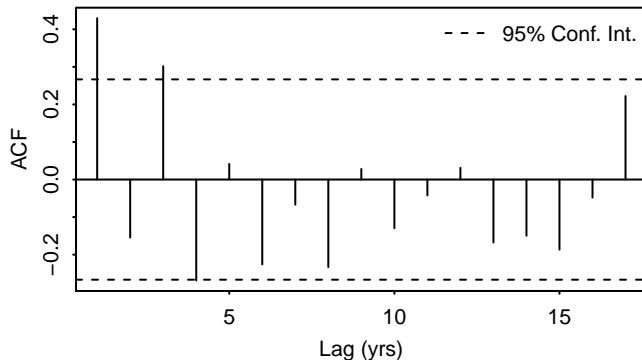
c) Standardised residuals over time

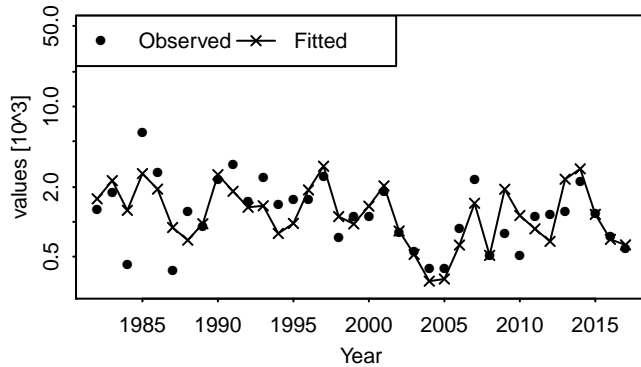**d) Tukey–Anscombe plot**

e) Normal Q–Q plot
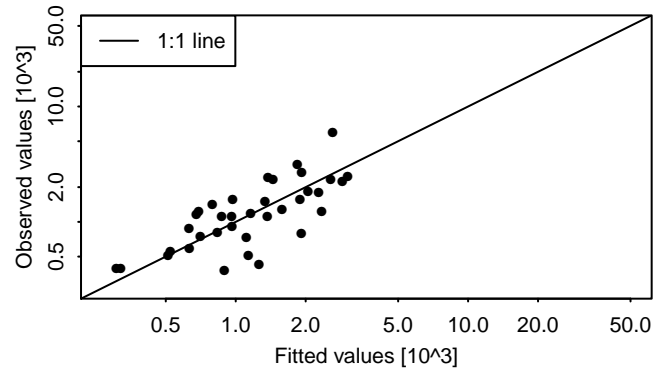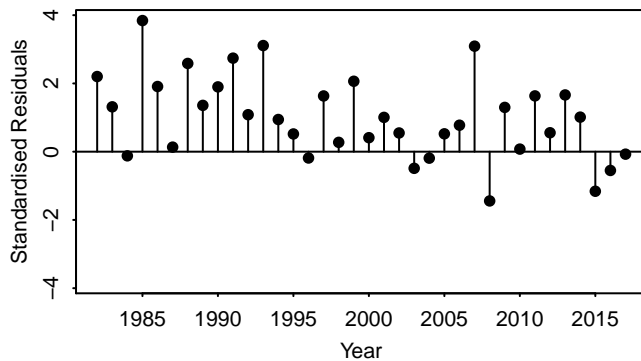
f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 1
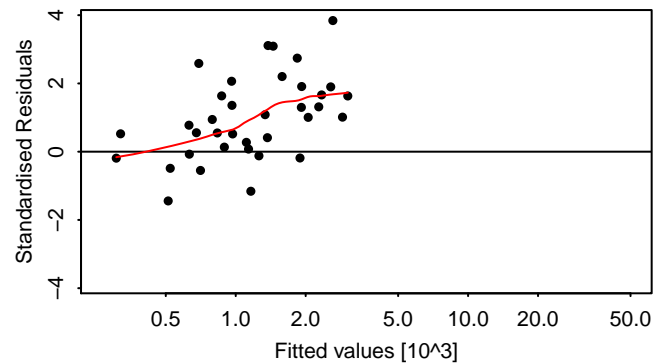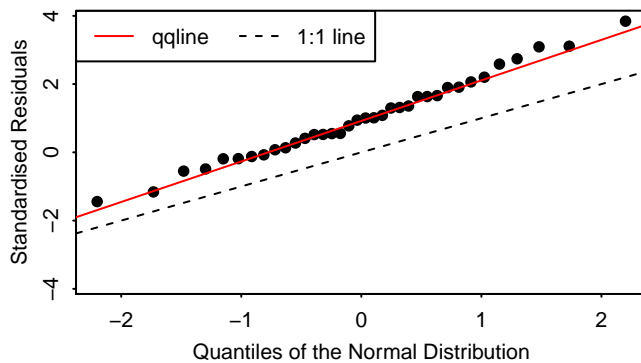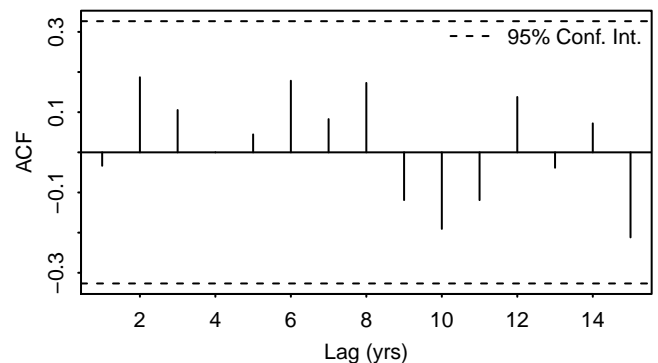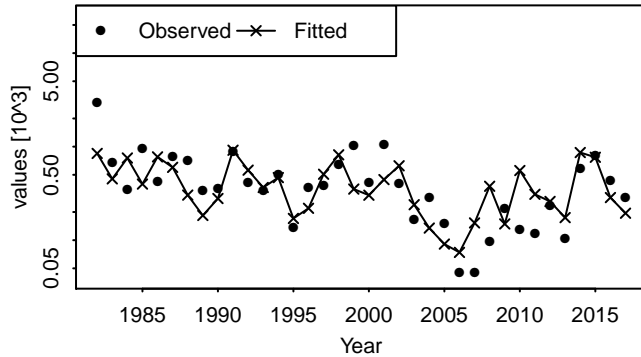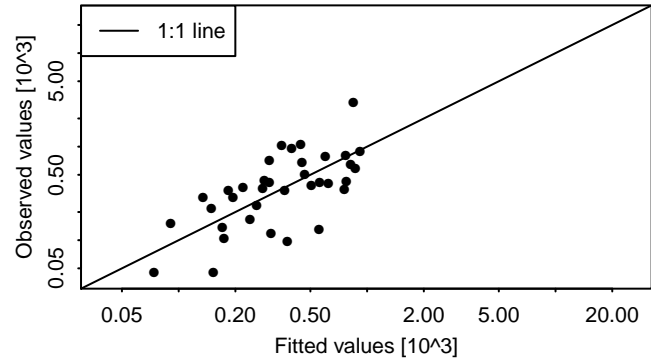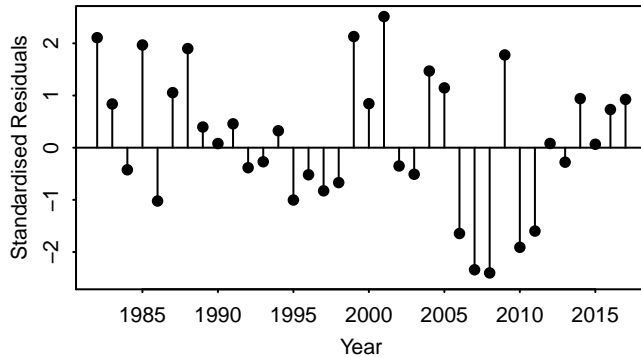
a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 2

a) Observed and fitted values time series

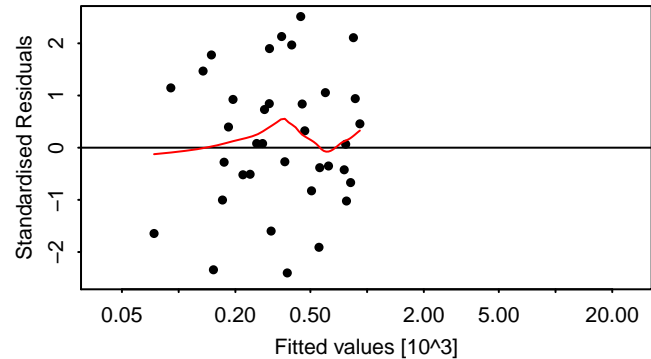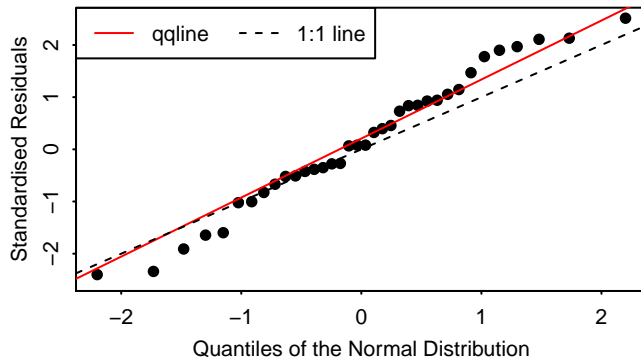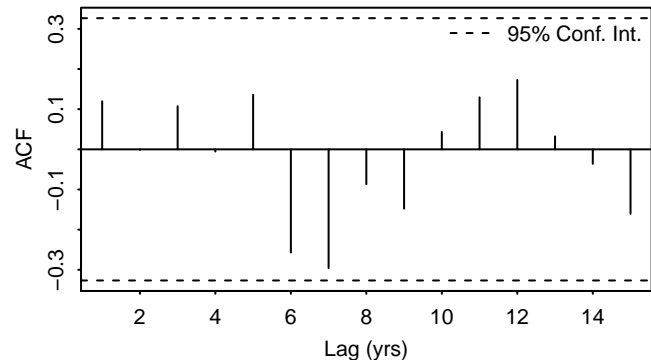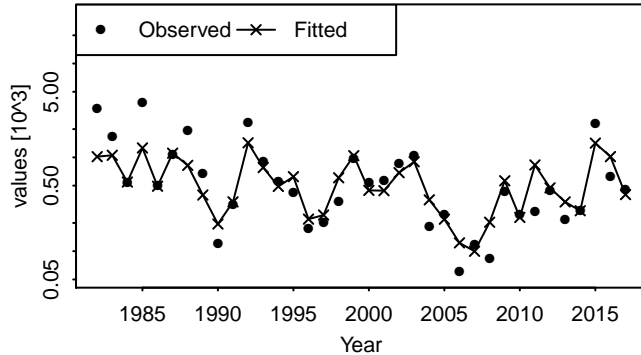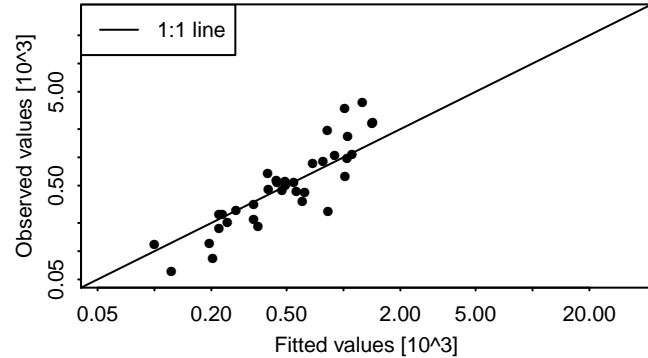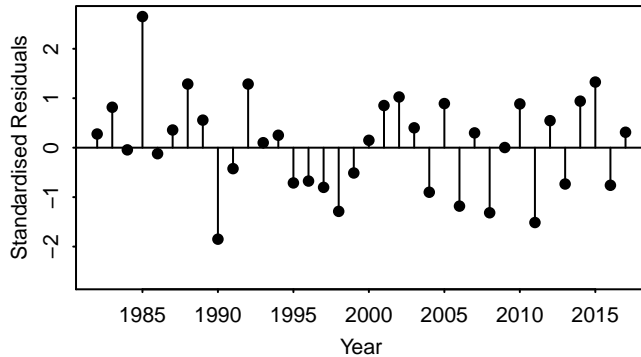**b) Observed vs fitted values**

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 3
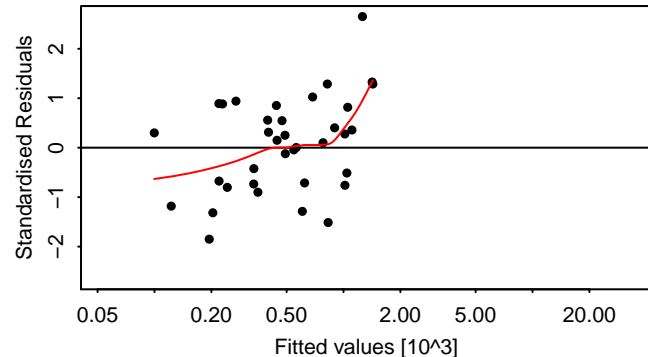
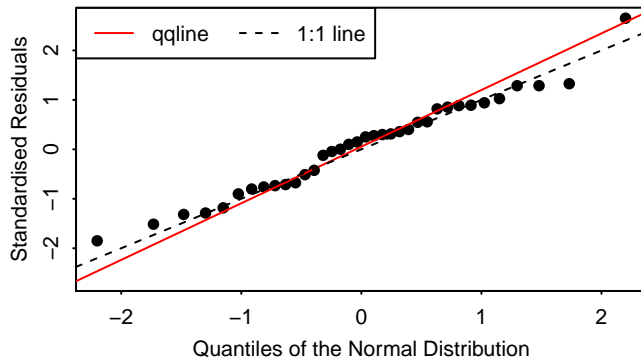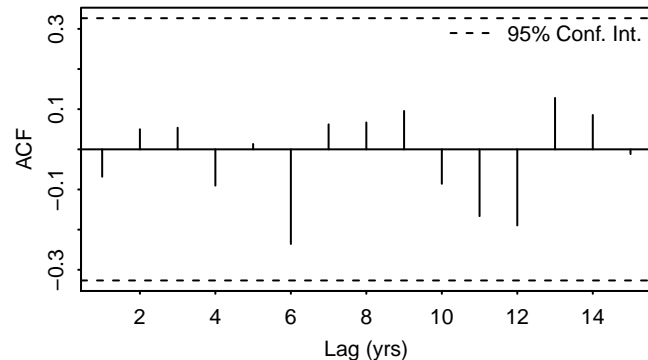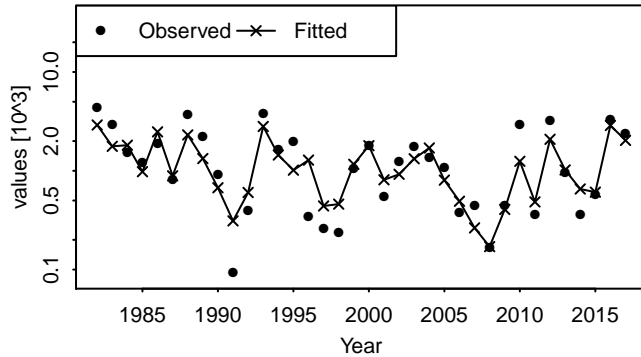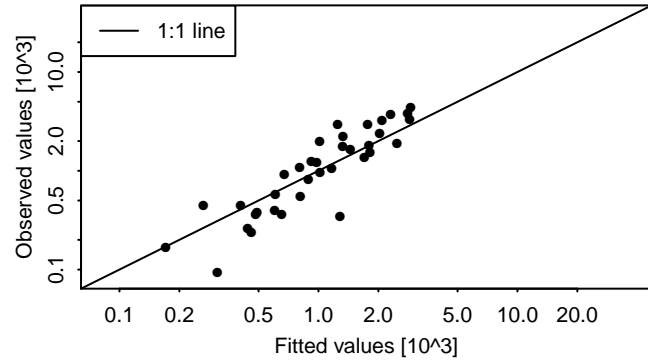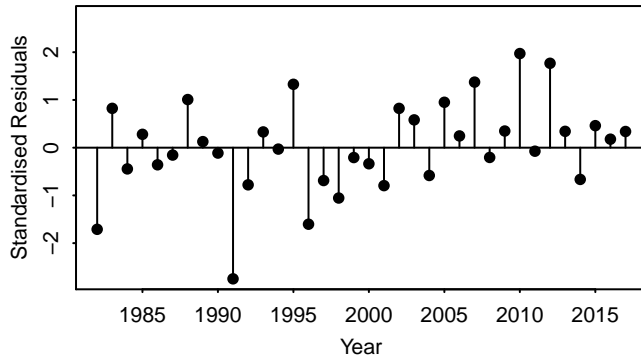**a) Observed and fitted values time series**

b) Observed vs fitted values

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 4
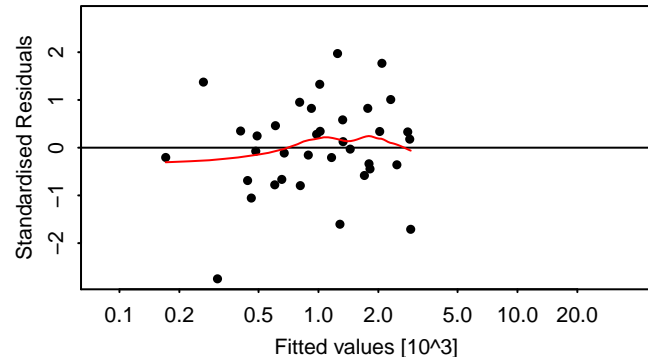
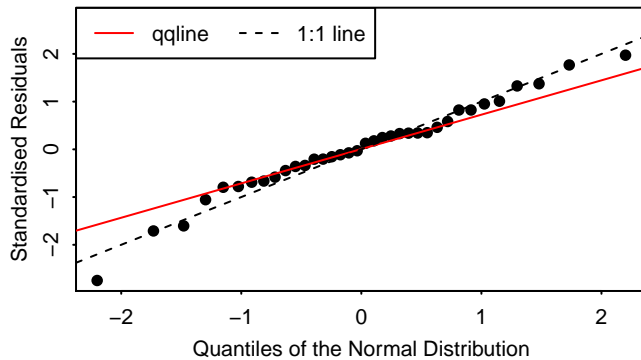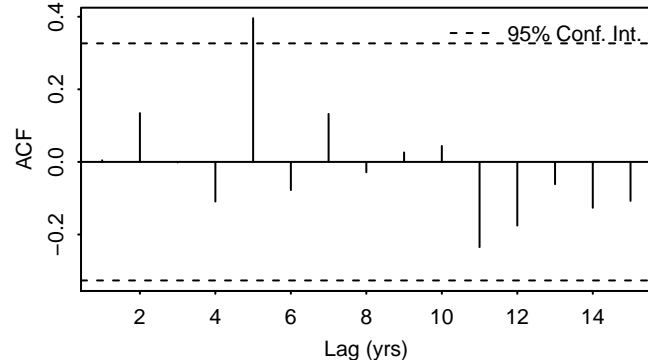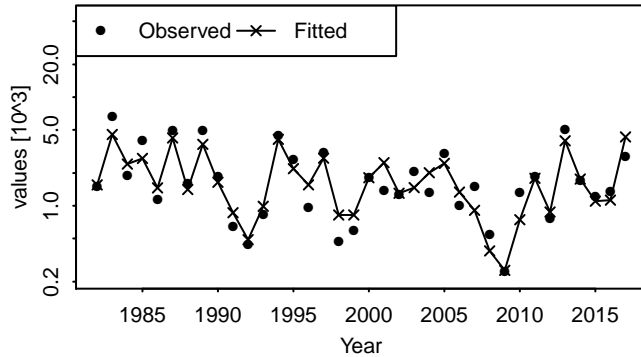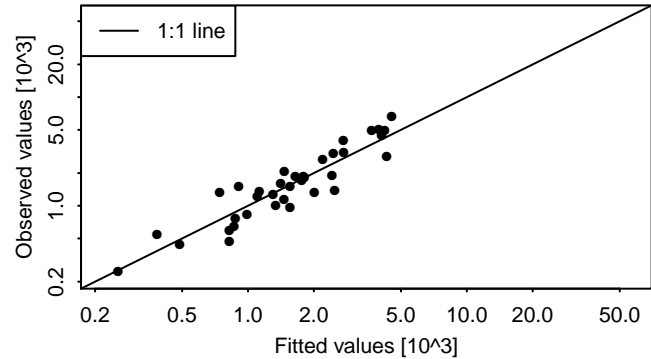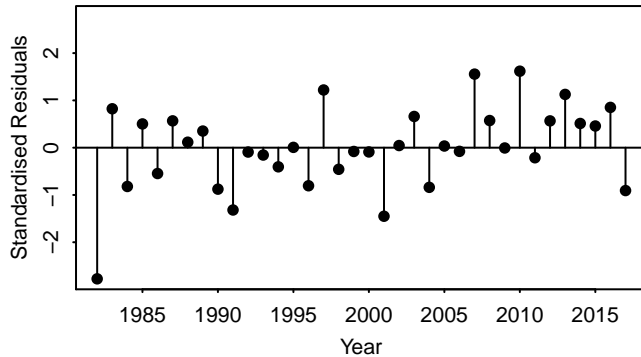**a) Observed and fitted values time series**

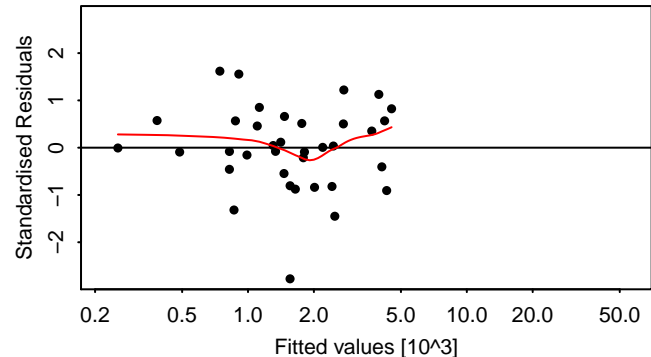**b) Observed vs fitted values**

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 5

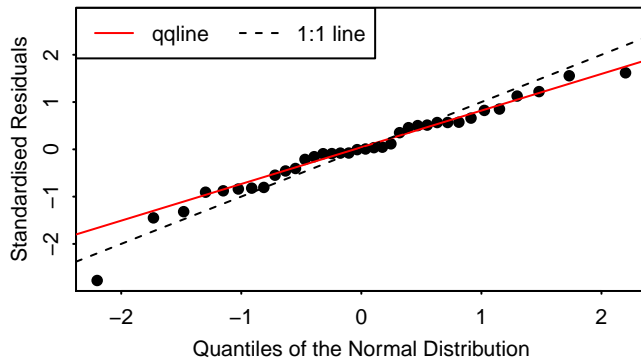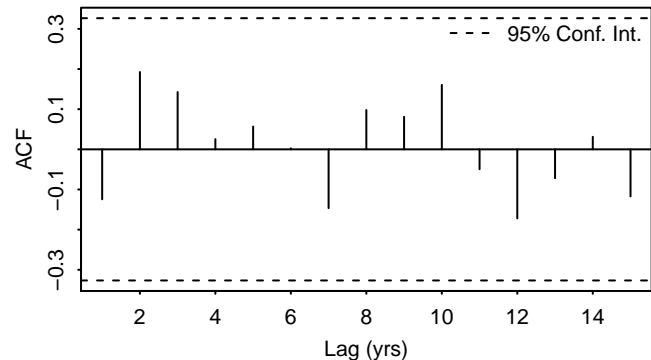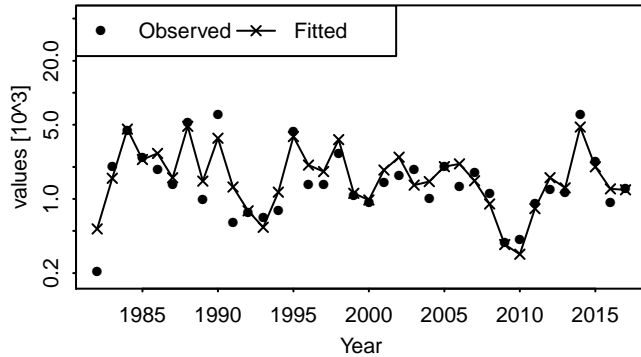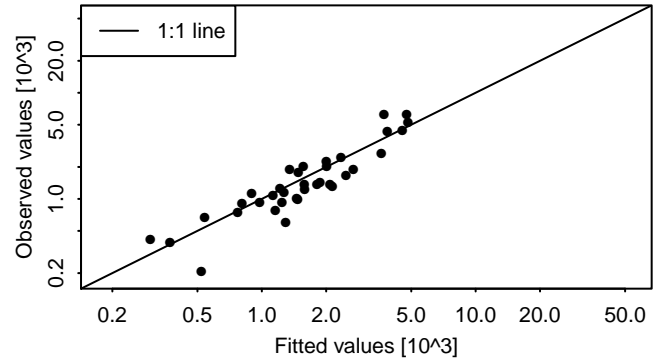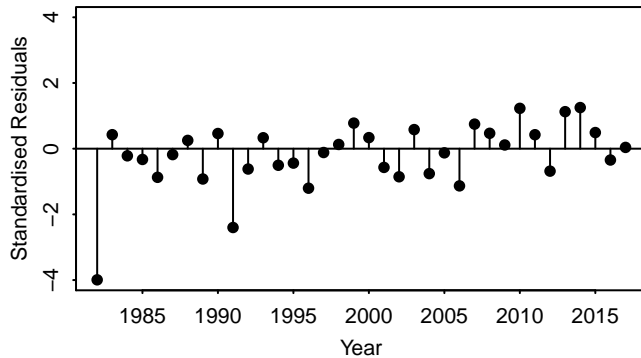**a) Observed and fitted values time series**

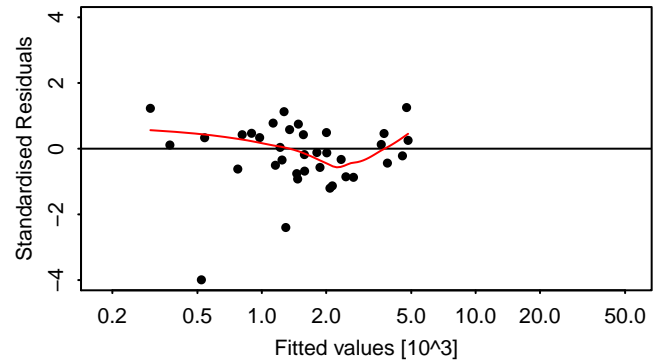**b) Observed vs fitted values**

c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 6

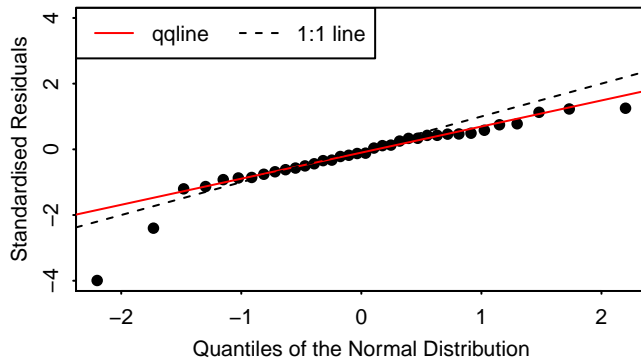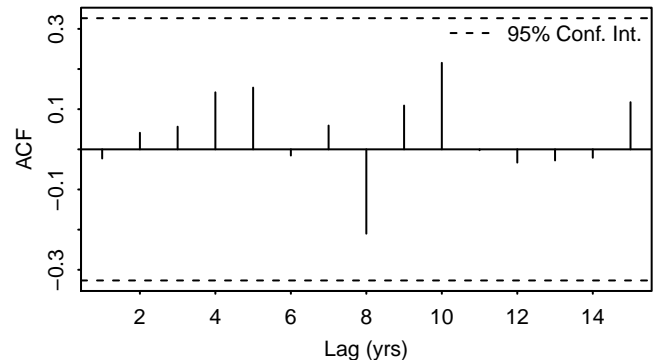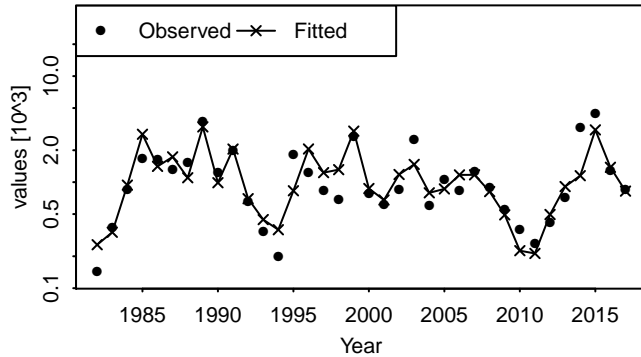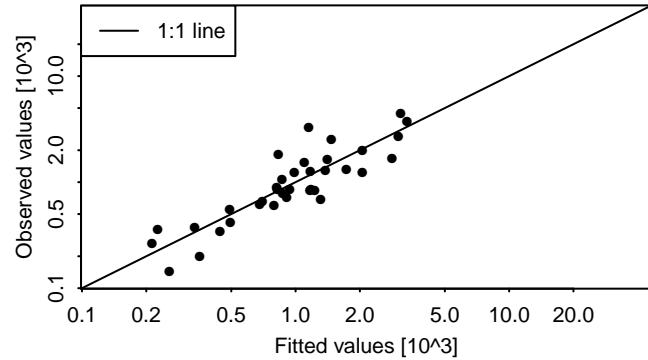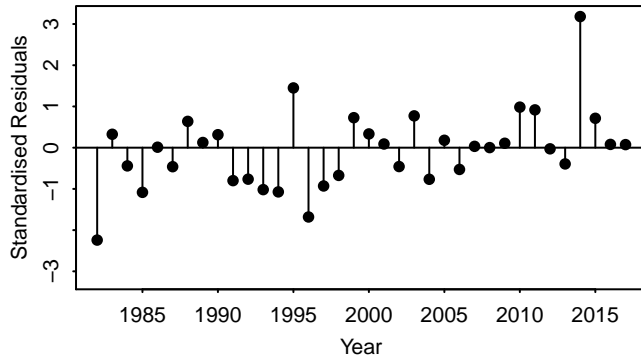**a) Observed and fitted values time series**

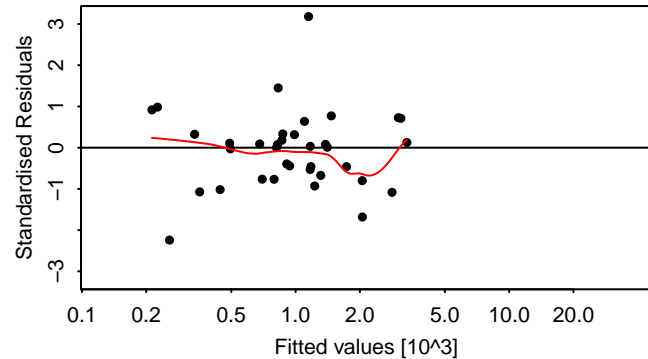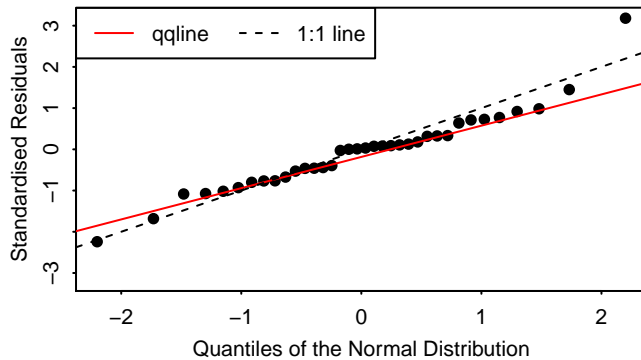**b) Observed vs fitted values**
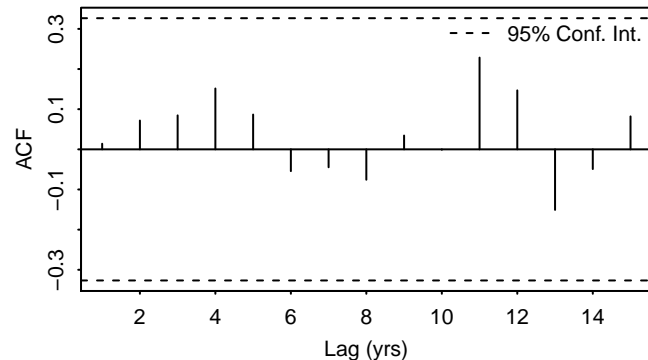
c) Standardised residuals over time

d) Tukey–Anscombe plot
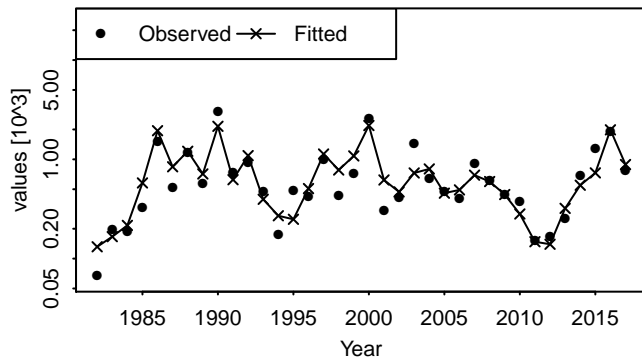
e) Normal Q–Q plot
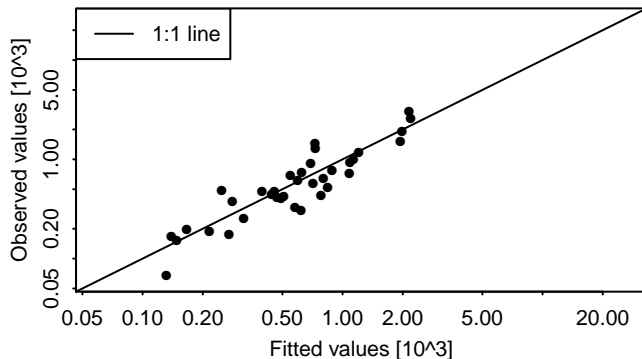
f) Autocorrelation of Residuals

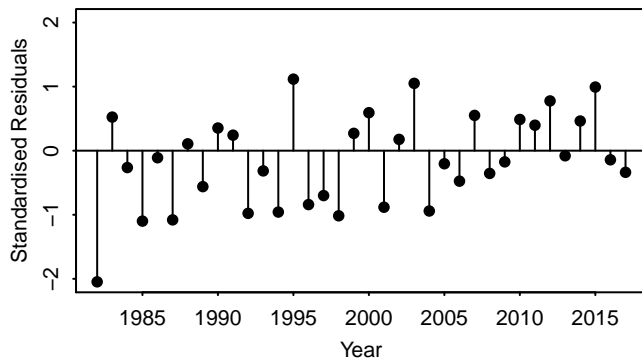**Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 7**
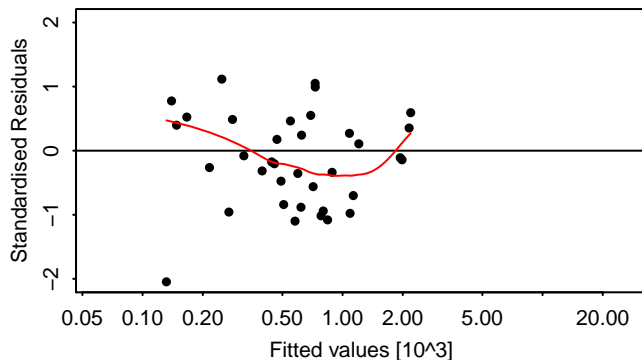
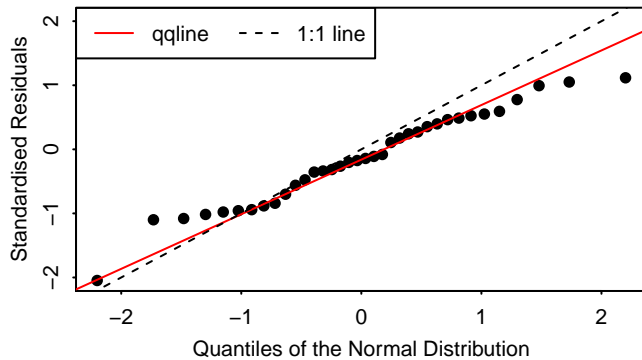**a) Observed and fitted values time series**

b) Observed vs fitted values
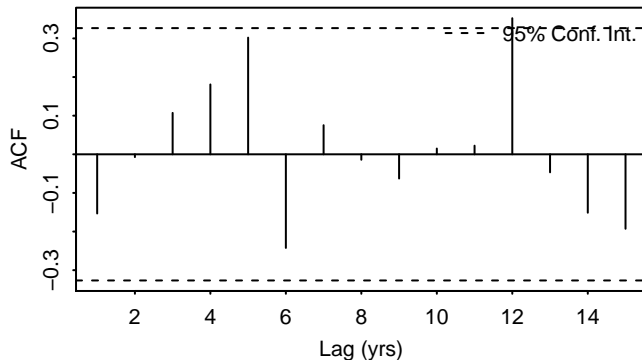
c) Standardised residuals over time

d) Tukey–Anscombe plot
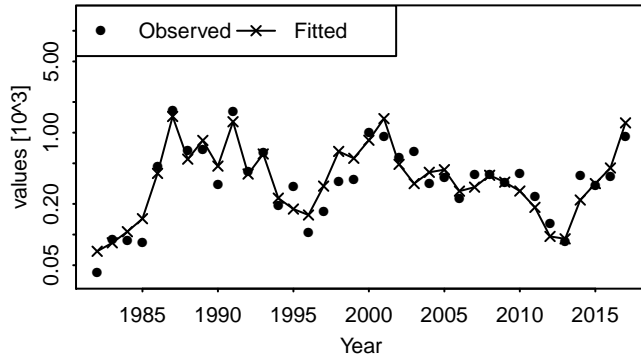
e) Normal Q–Q plot
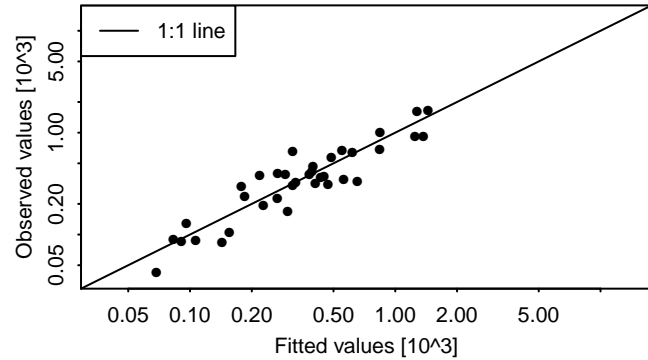
f) Autocorrelation of Residuals

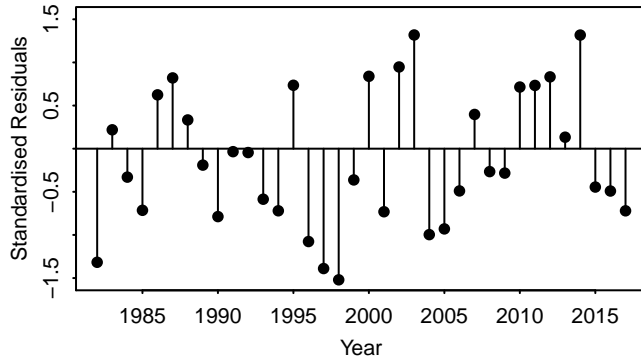**Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 8**
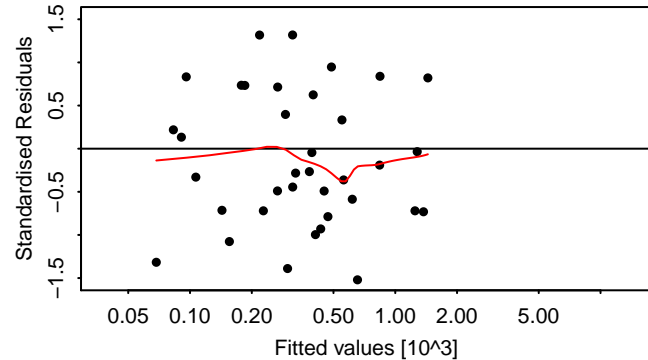
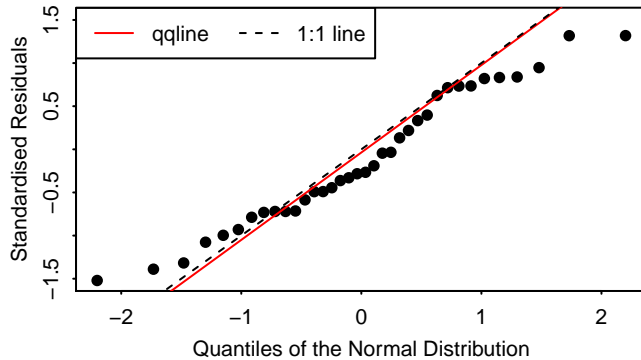**a) Observed and fitted values time series**

b) Observed vs fitted values
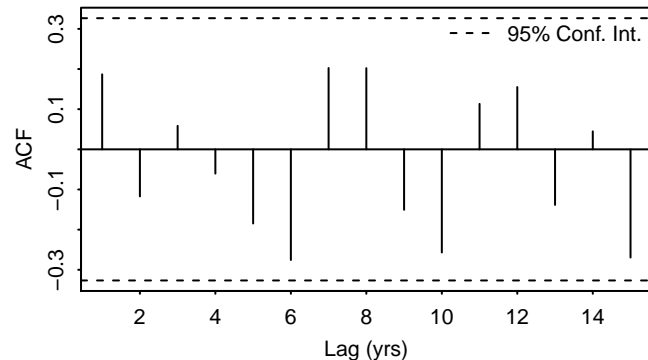
c) Standardised residuals over time

d) Tukey–Anscombe plot
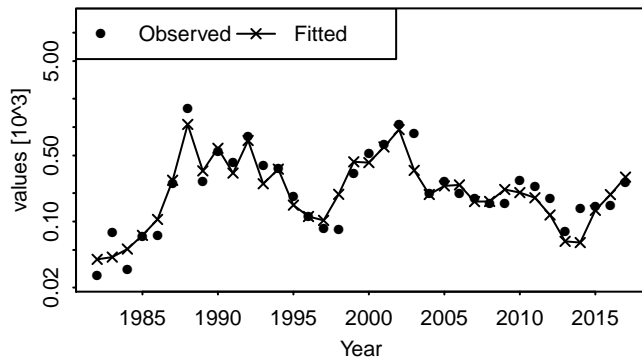
e) Normal Q–Q plot
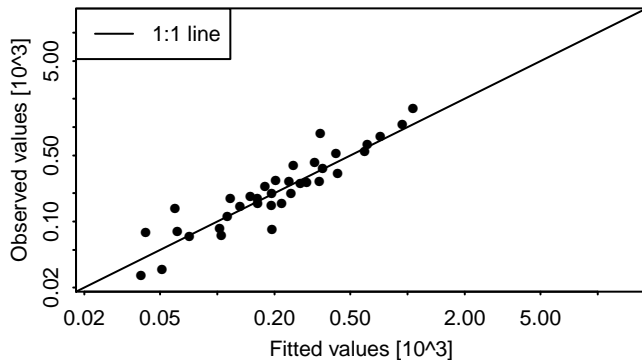
f) Autocorrelation of Residuals

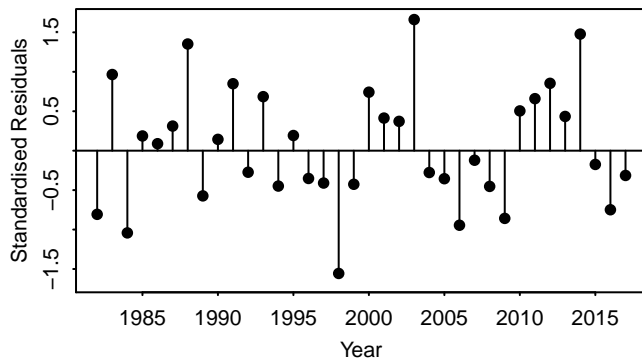**Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 9**
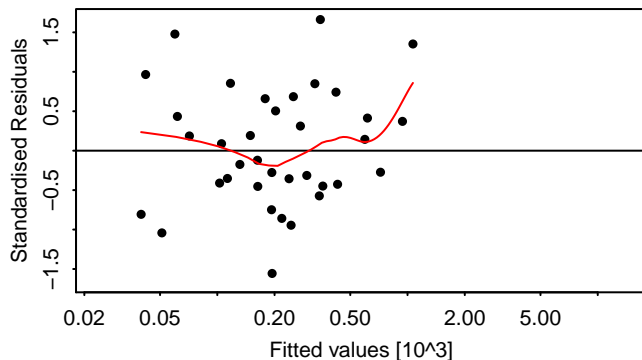
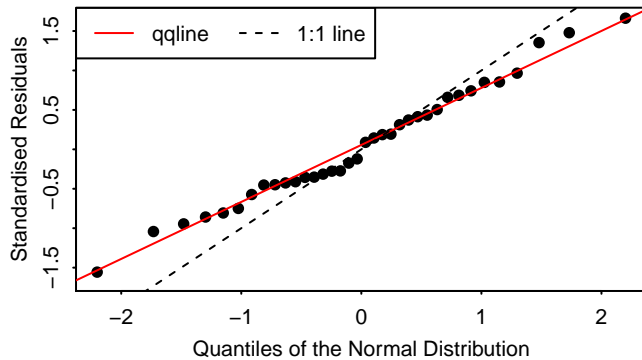**a) Observed and fitted values time series**

b) Observed vs fitted values
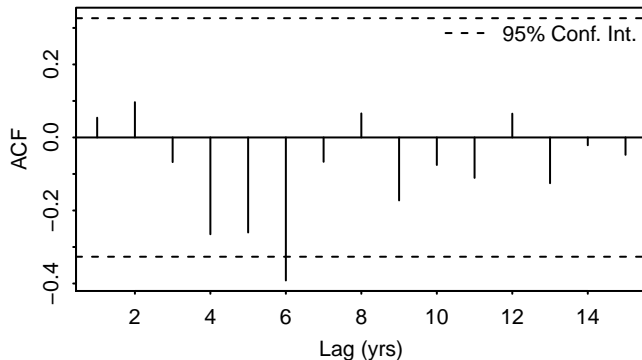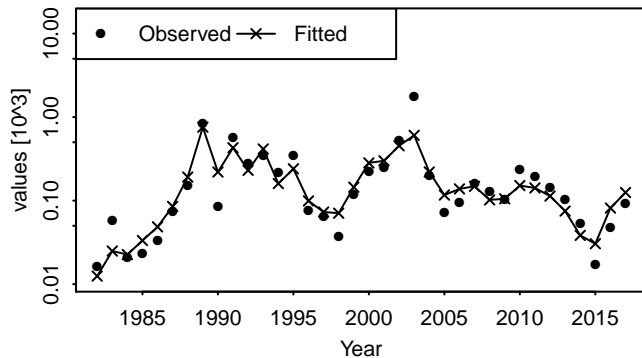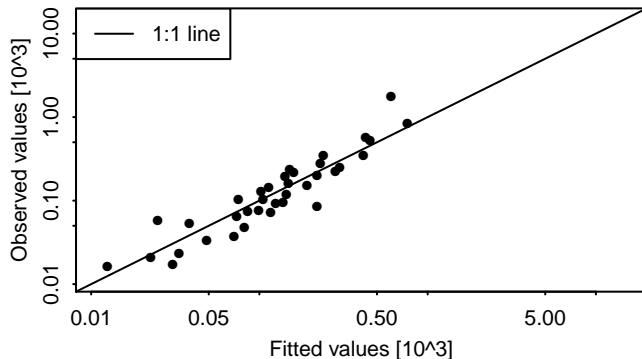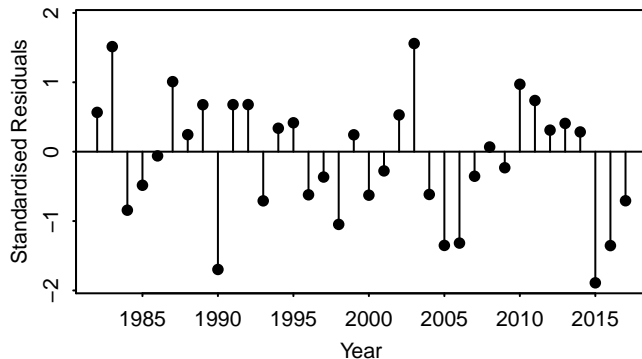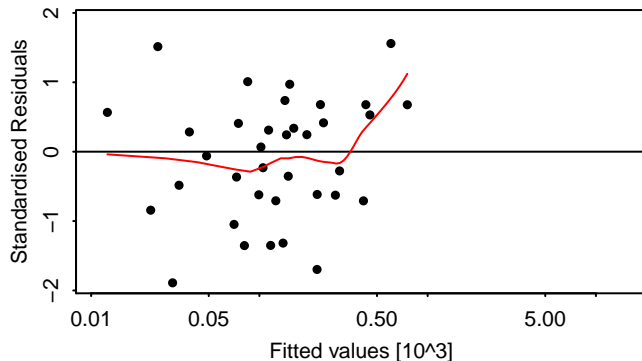
c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 10

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 11

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 12

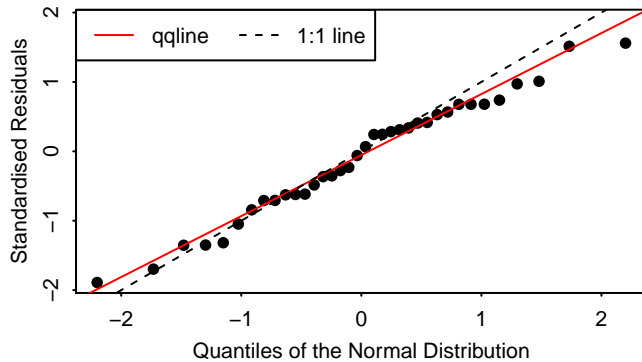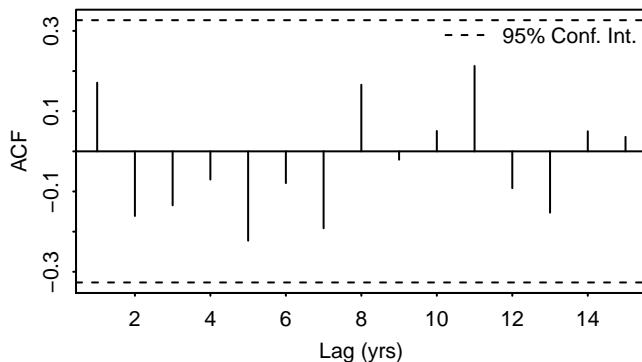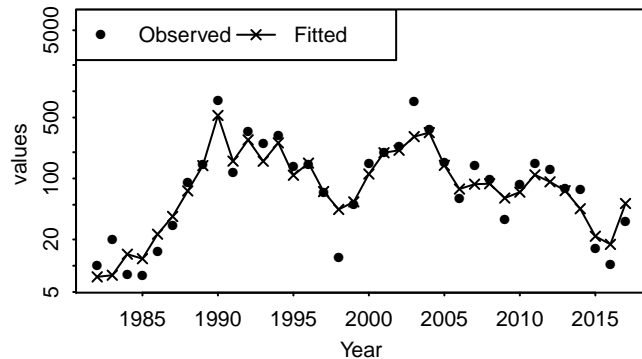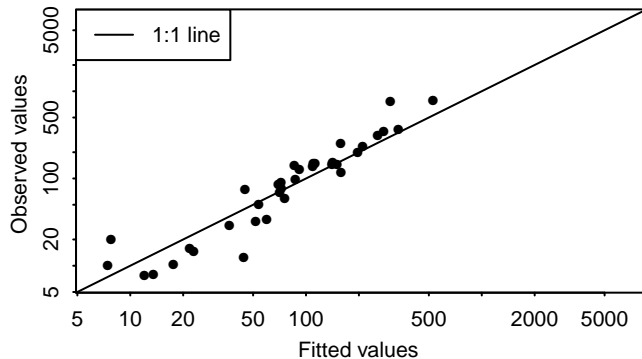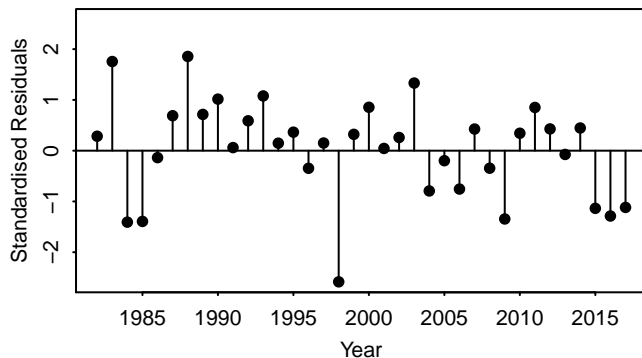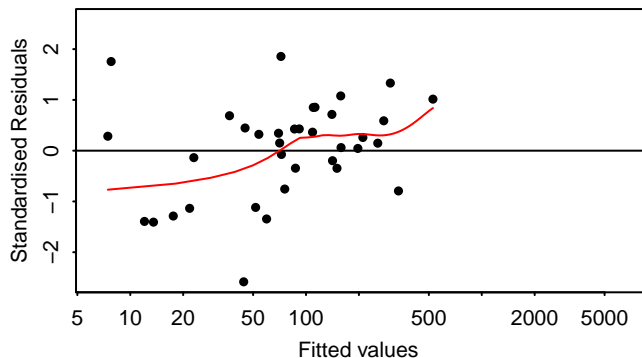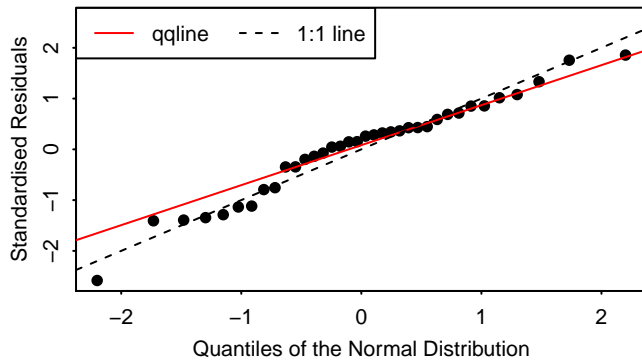**a) Observed and fitted values time series**

b) Observed vs fitted values
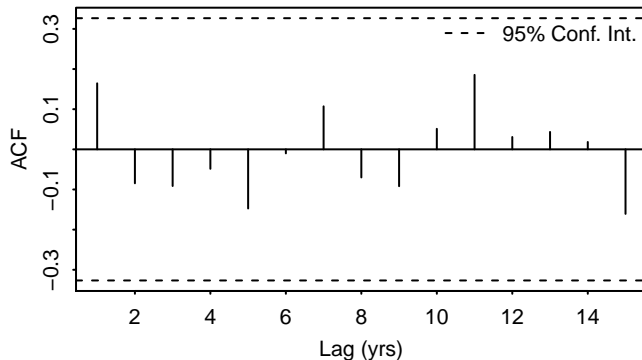
c) Standardised residuals over time

d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 13

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 14

a) Observed and fitted values time series

b) Observed vs fitted values

c) Standardised residuals over time
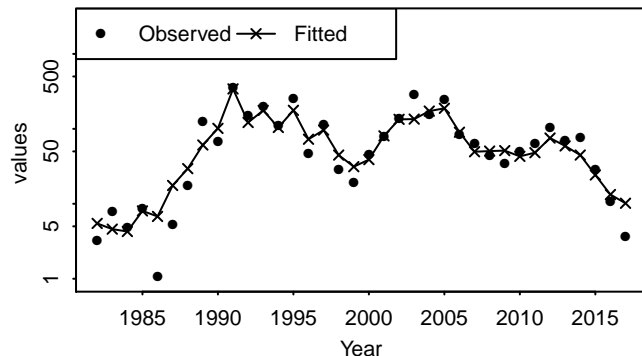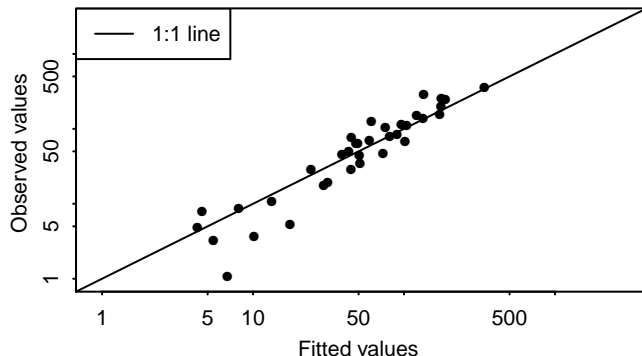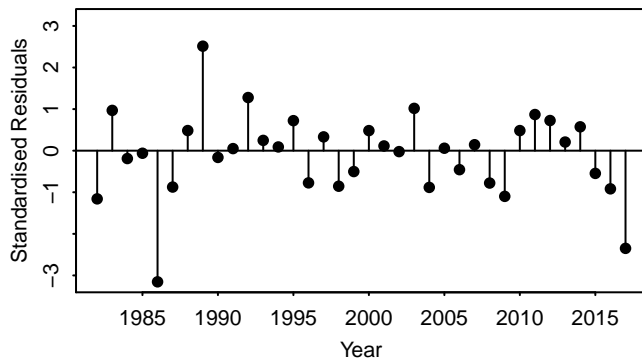
d) Tukey–Anscombe plot

e) Normal Q–Q plot

f) Autocorrelation of Residuals

Eastern Bering Sea pollock Diagnostics – TrawlSurvey, age 15
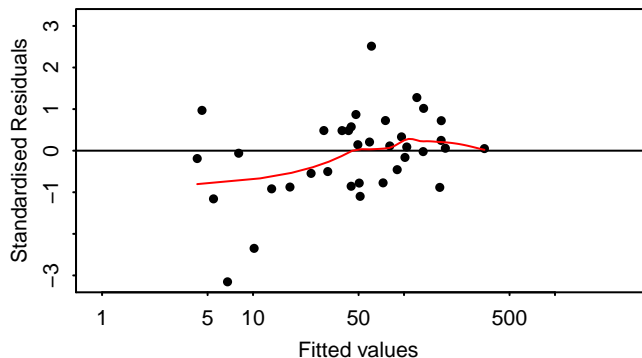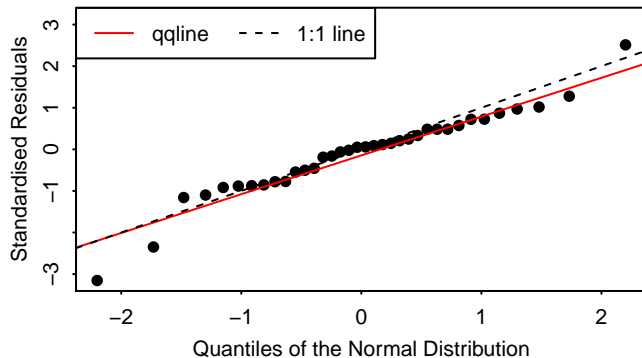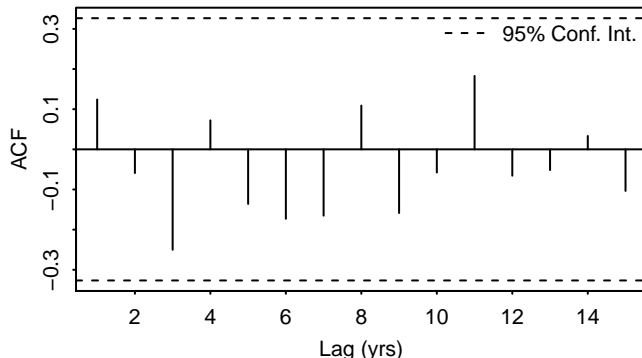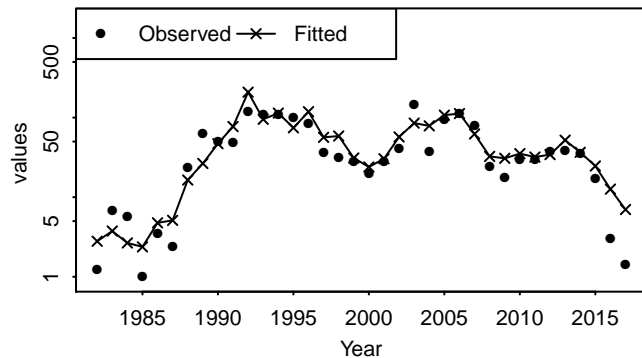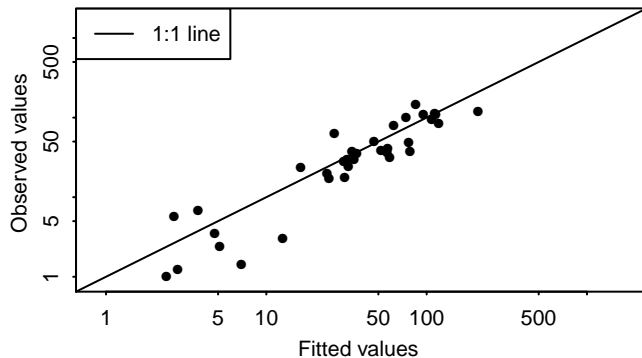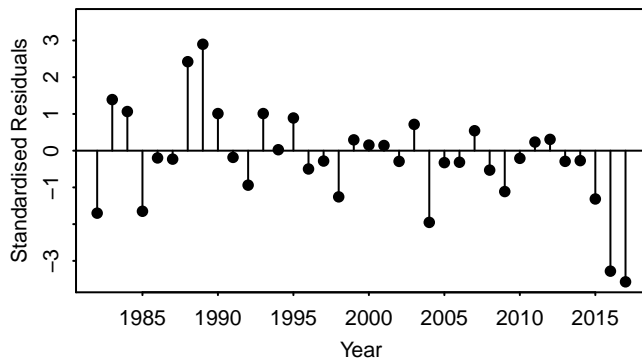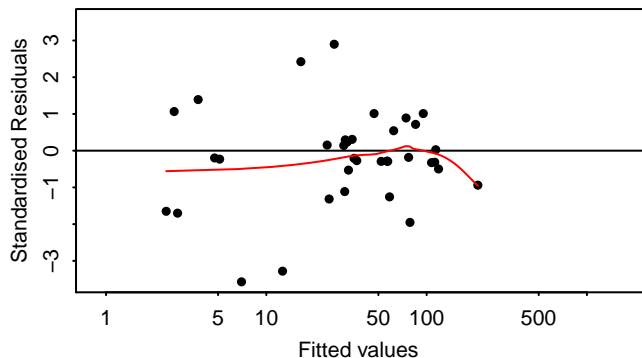

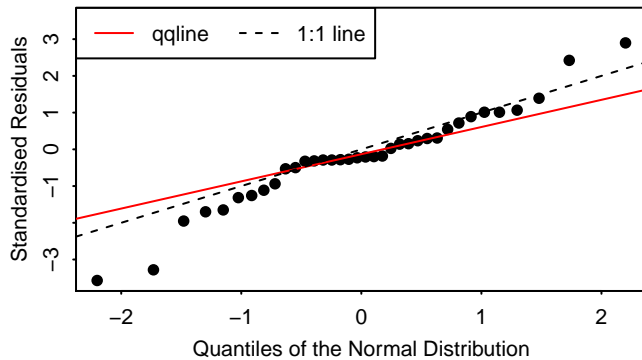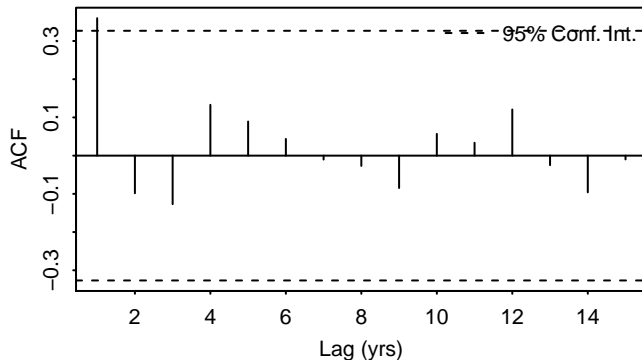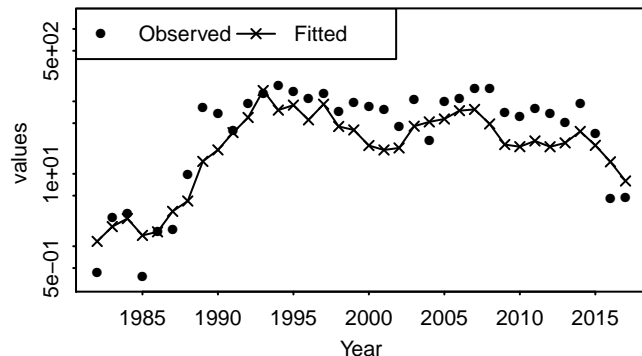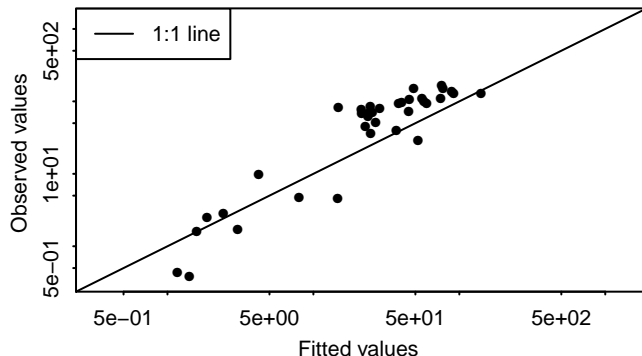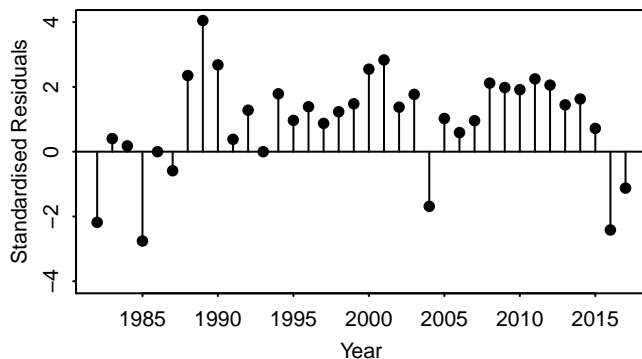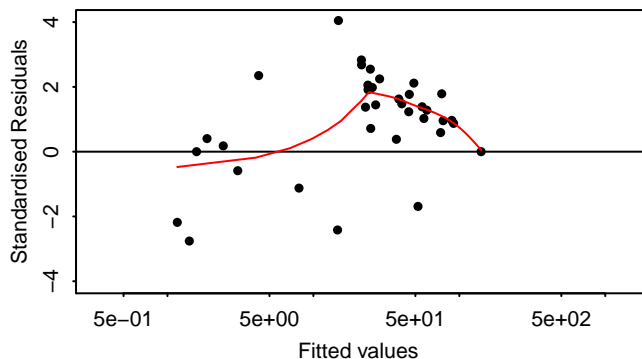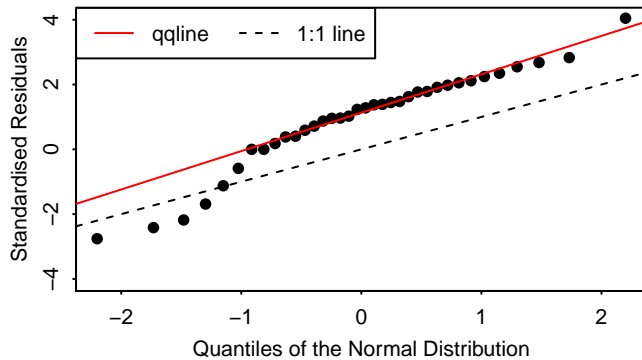**a) Observed and fitted values time series**

b) Observed vs fitted values
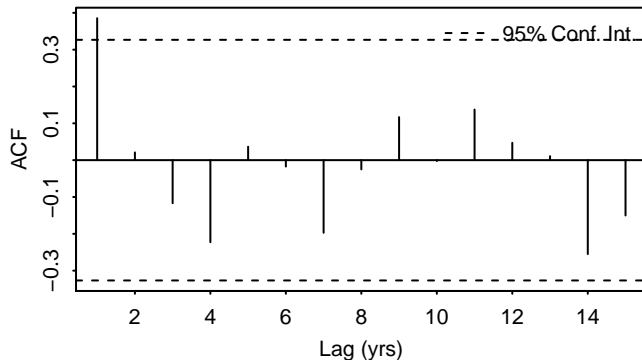
c) Standardised residuals over time
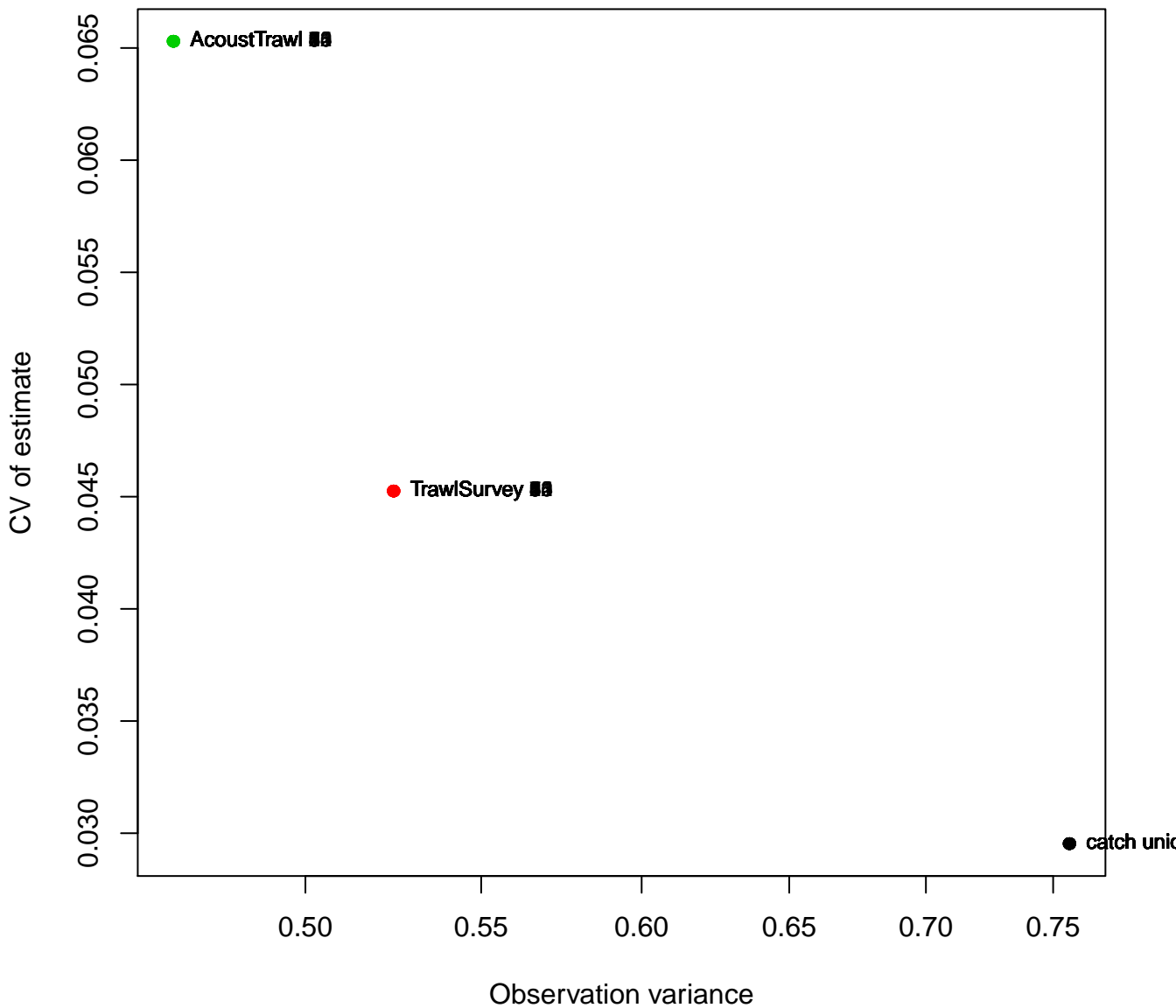
d) Tukey–Anscombe plot
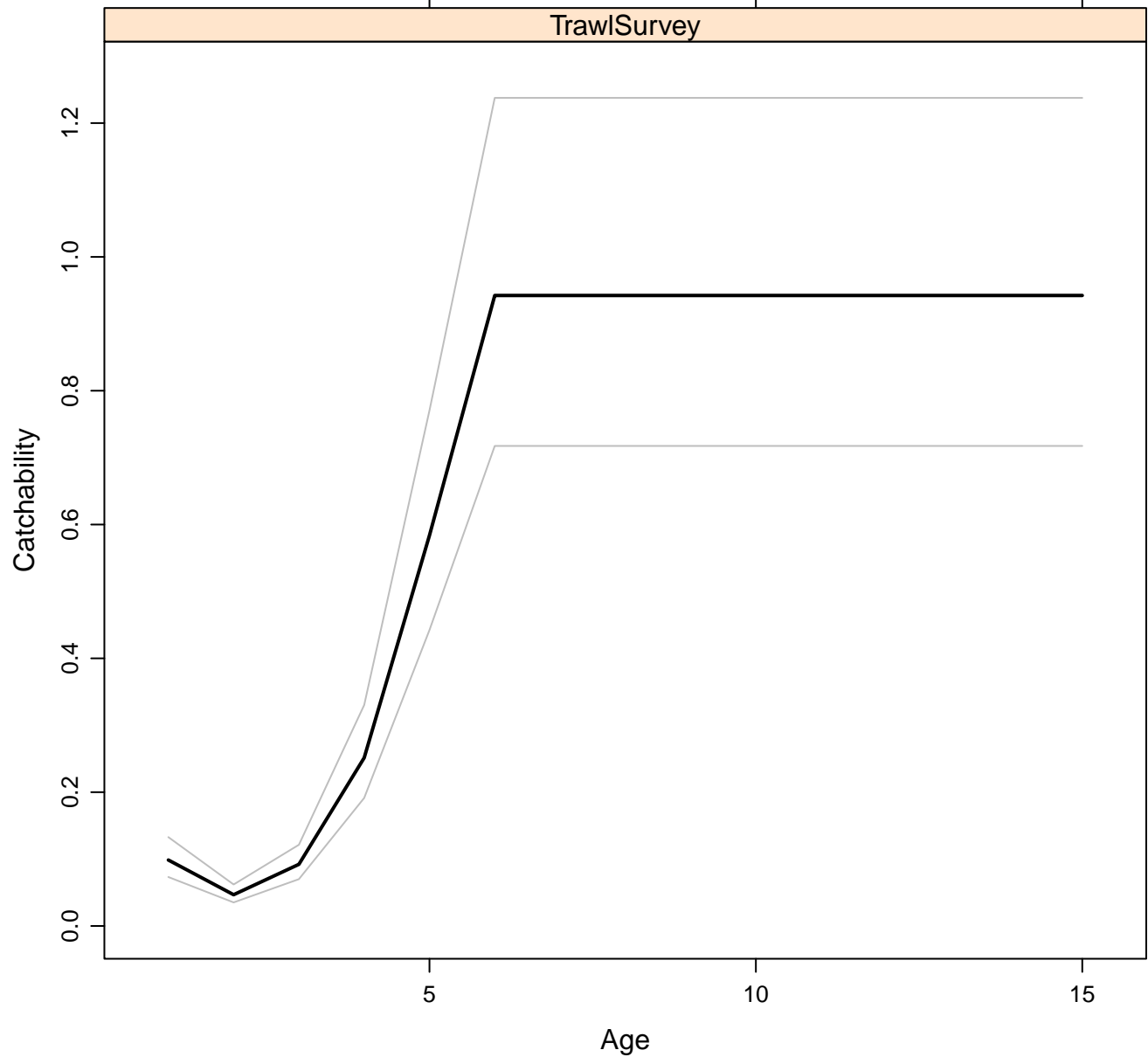
e) Normal Q–Q plot

f) Autocorrelation of Residuals

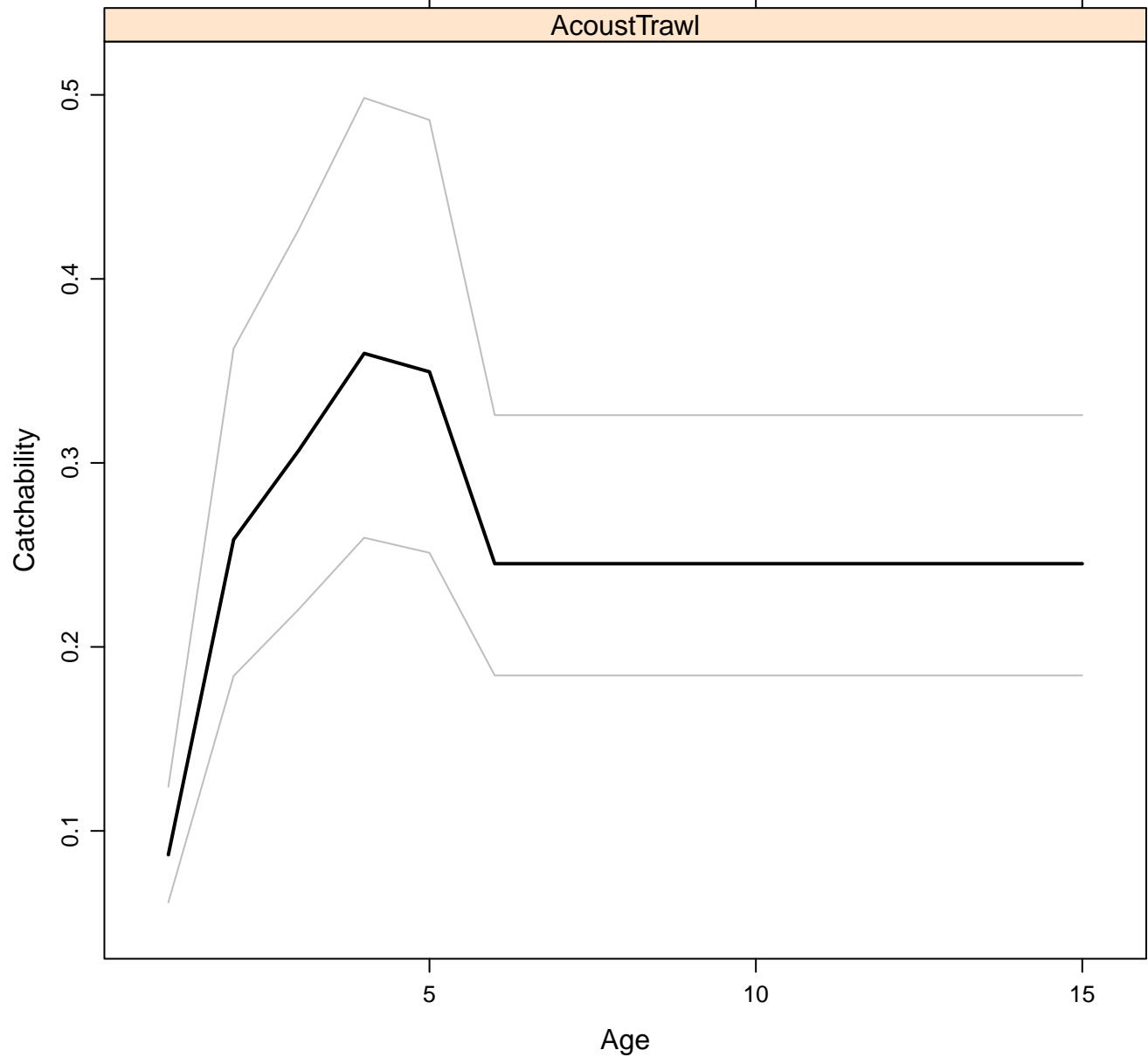**Observation variance vs uncertainty**

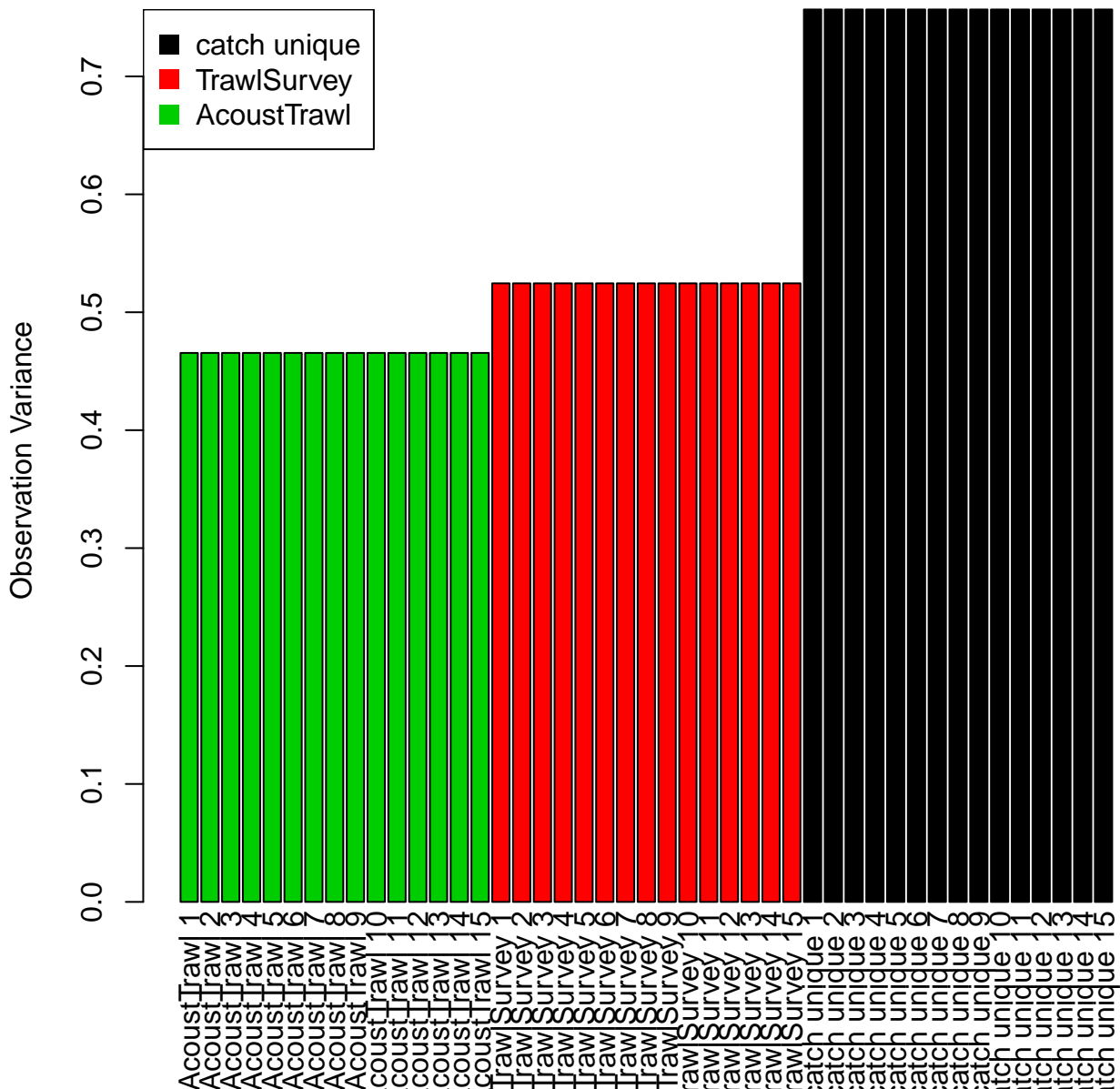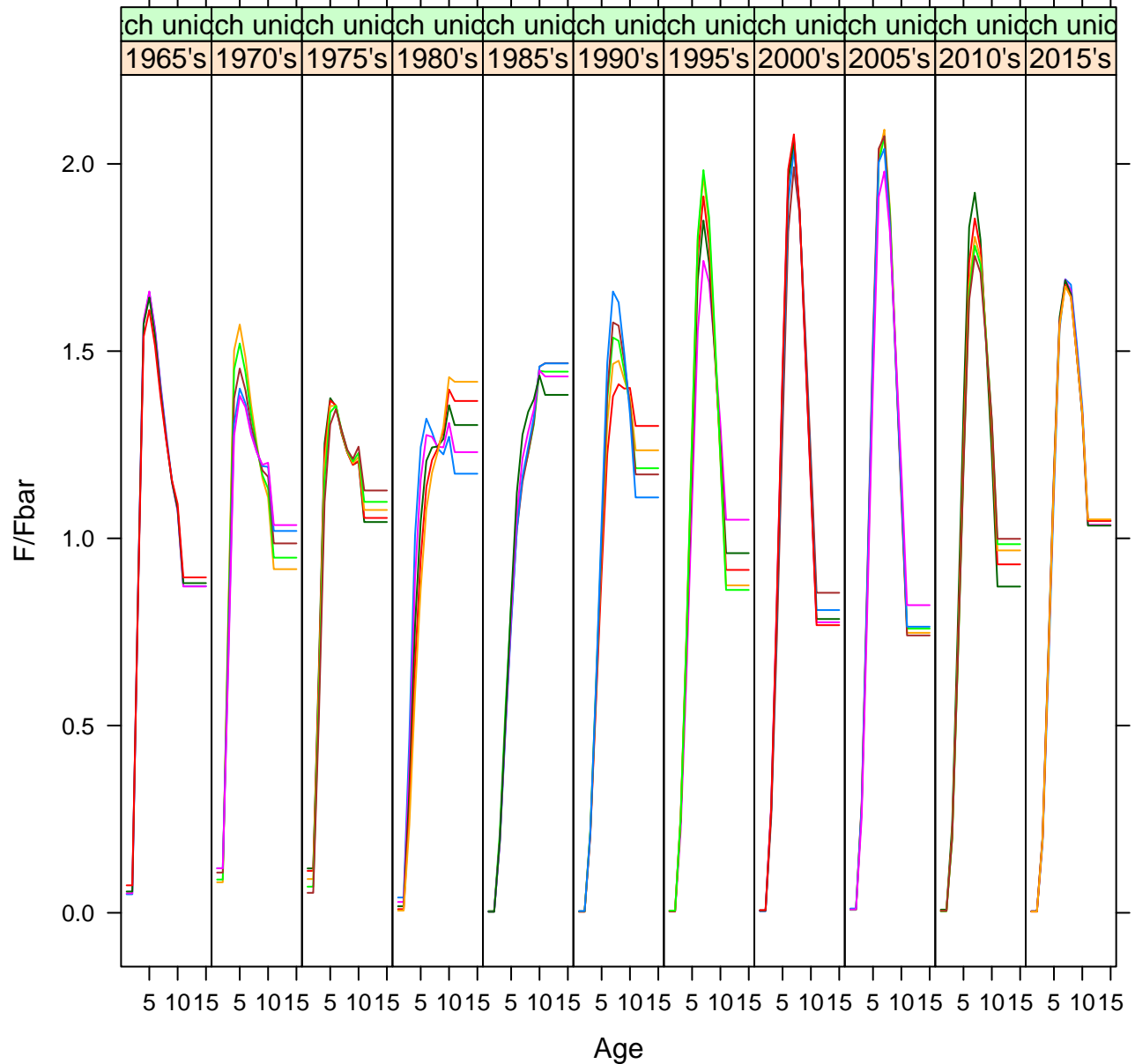**Survey catchability parameters**

Survey catchability parameters

Observation variances by data source

Selectivity of the Fishery by Pentad

Eastern Bering Sea pollock