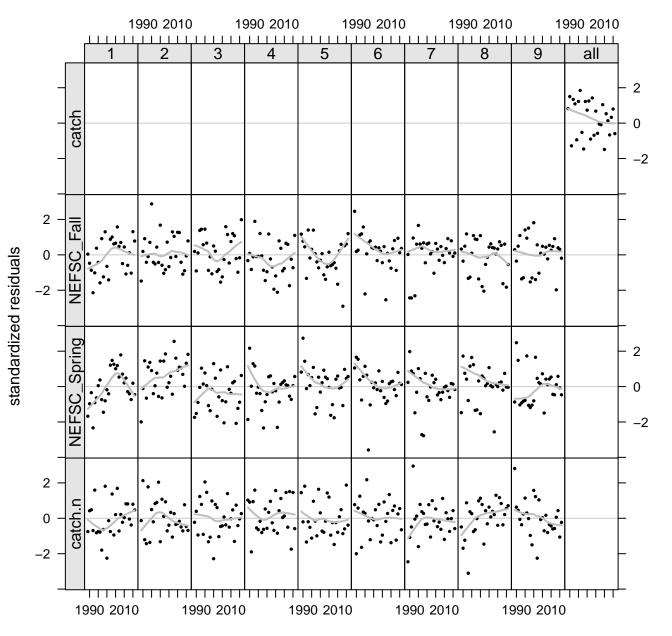
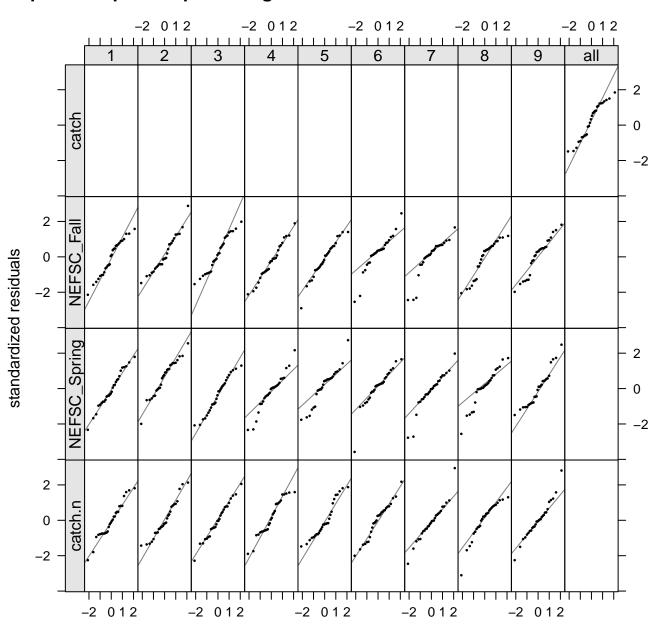
## log residuals of catch and abundance indices by age



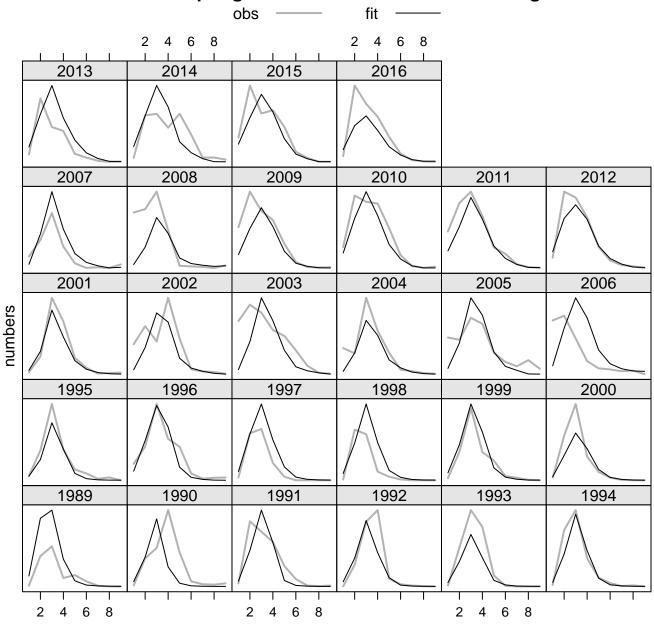
### quantile-quantile plot of log residuals of catch and abundance indices



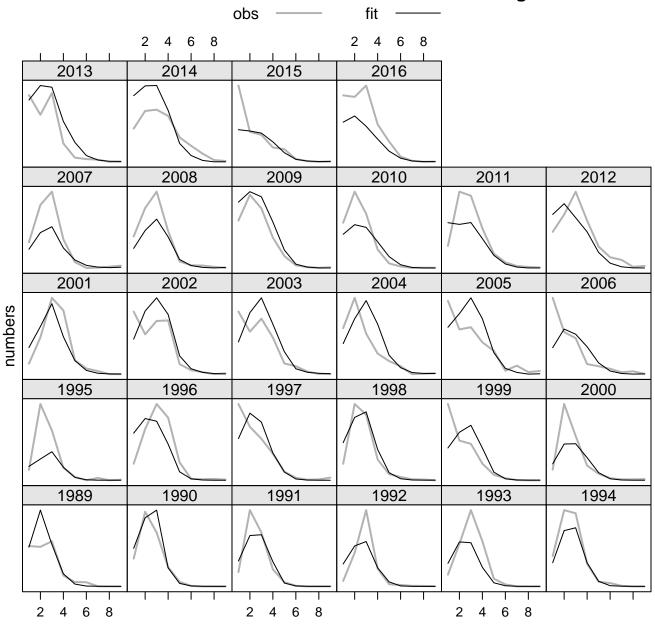
#### fitted and observed catch-at-age obs fit numbers

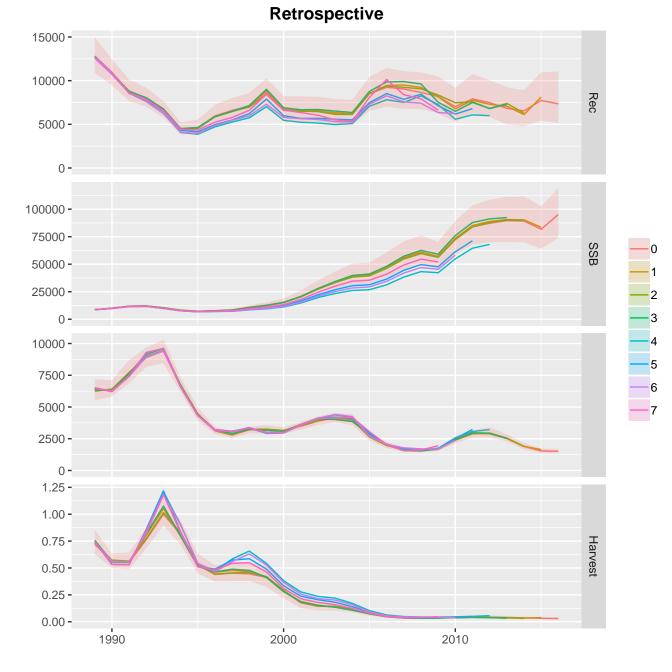
age

#### NEFSC\_Spring: fitted and observed index-at-age



#### NEFSC\_Fall: fitted and observed index-at-age





**Stock summary** 15000 -10000 -Rec 5000 -0 -100000 -75000 -SSB 50000 -25000 -0 -10000 -7500 -5000 -2500 -0 -1.2 -0.9 -0.6 -0.3 -0.0 -2010 2000 1990

# **Abundance indices predictions**

