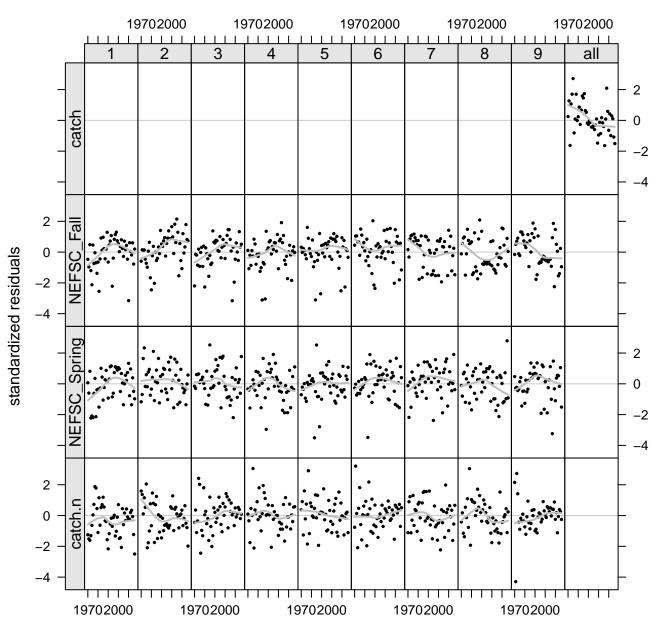
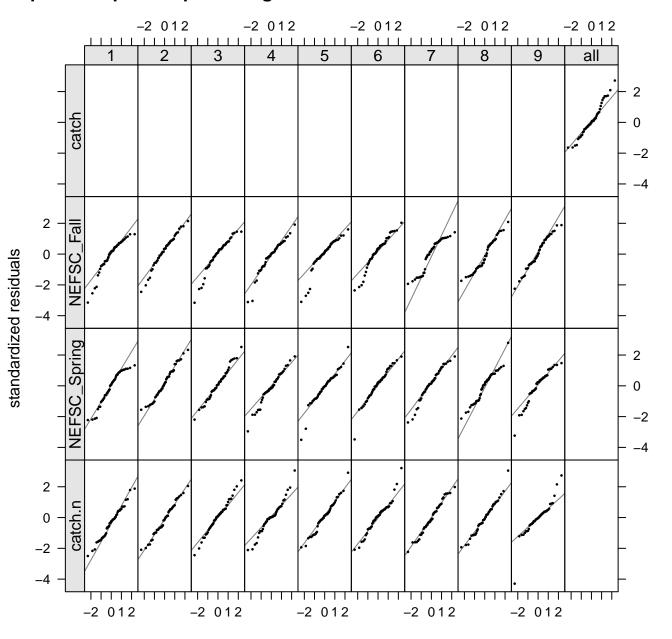
### log residuals of catch and abundance indices by age



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

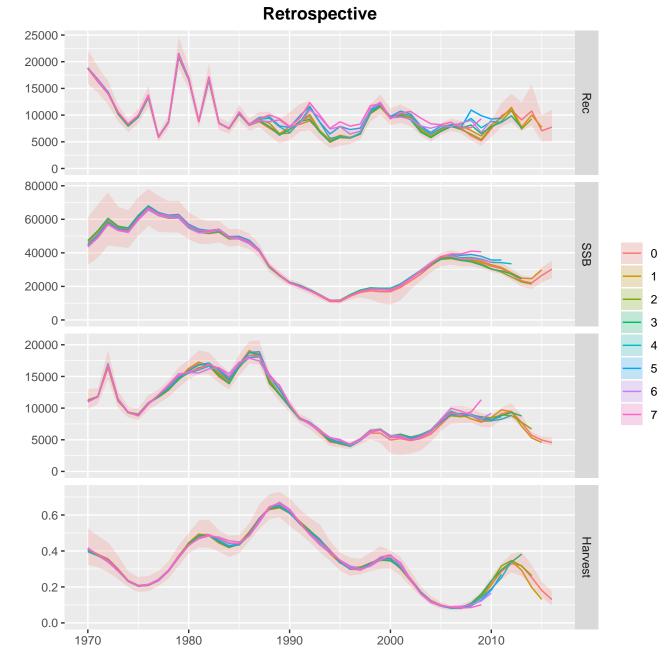


#### fitted and observed catch-at-age obs 2 4 6 8 2 4 6 8 numbers

age

#### NEFSC\_Spring: fitted and observed index-at-age obs fit 2 4 6 8 numbers

#### NEFSC\_Fall: fitted and observed index-at-age obs fit 2 4 6 8 2 4 6 8 numbers



**Stock summary** 25000 -20000 -15000 -Rec 10000 -5000 -0 -80000 -60000 -SSB 40000 -20000 -0 -20000 -15000 -10000 -5000 -0 -0.6 -0.4 -0.2 -0.0 -1990 1970 1980 2000 2010

# **Abundance indices predictions**

