**Note to self – you made something complicated, here are some notes**

* To get to the first fitted OM /RScripts/Operating\_models/Step\_1\_Build\_base\_OM
* To then fit the reference OMs ‘’/Step\_2\_Build\_reference\_OMs
* To then fit the robustness OMs “/Step\_3\_Build\_robustness\_OMs
* To take these fits and objects and build the package /RScripts/Packaging/Copy data to package
* You need to remake documentation then build package

The model runs an SRA without rec devs from 1984 to 1964 and then a SCAL from 1965 to 2019

The most recent 4 years of rec devs are ignored as spurious for future projection

There are CPUEobs cpue indices and Iobs fishery independent indices

The CPUEobs either match a fleet selectivity or a length range determined by Ilencat

The Iobs either match SSB, B, VB or a mirrored fleet selectivity

Length comp data can be truncated with UB and LB

The model imposes only one trend constraint: that when they overlap, the fishery effort infers parallel trends in the vulnerable biomass among fleets (can be different – but it is inferred by the master index)

Indices and Catches are fixed as historically observed to 2016