

# American Samoa Model Checks

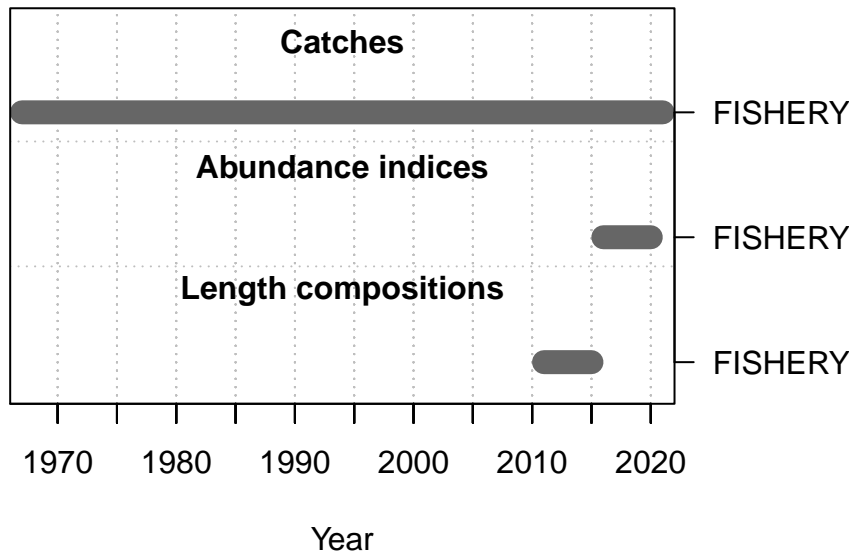
Marc Nadon and Meg Oshima

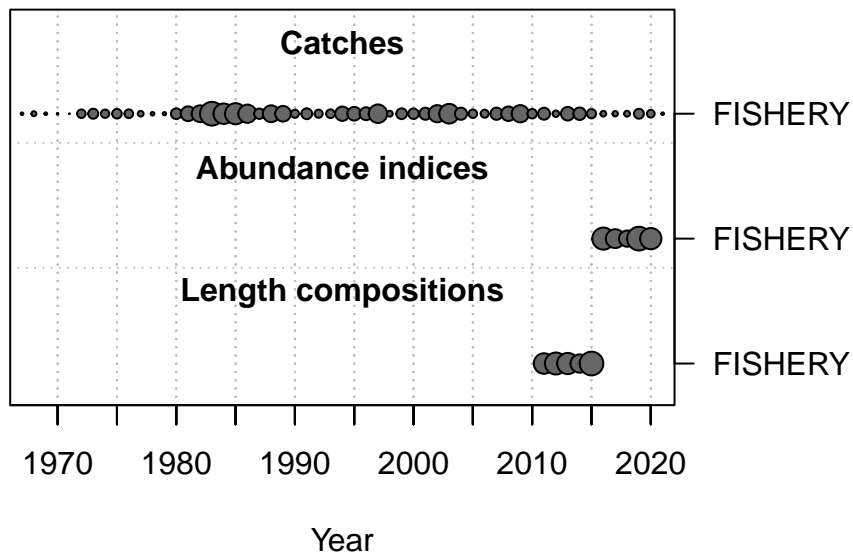
2023-02-27

This is a summary report for the VALO base model run.

## Model Output

### Input Data





### Convergence Check

```

Converged      MaxGrad
1      TRUE 5.45616e-06

```

```

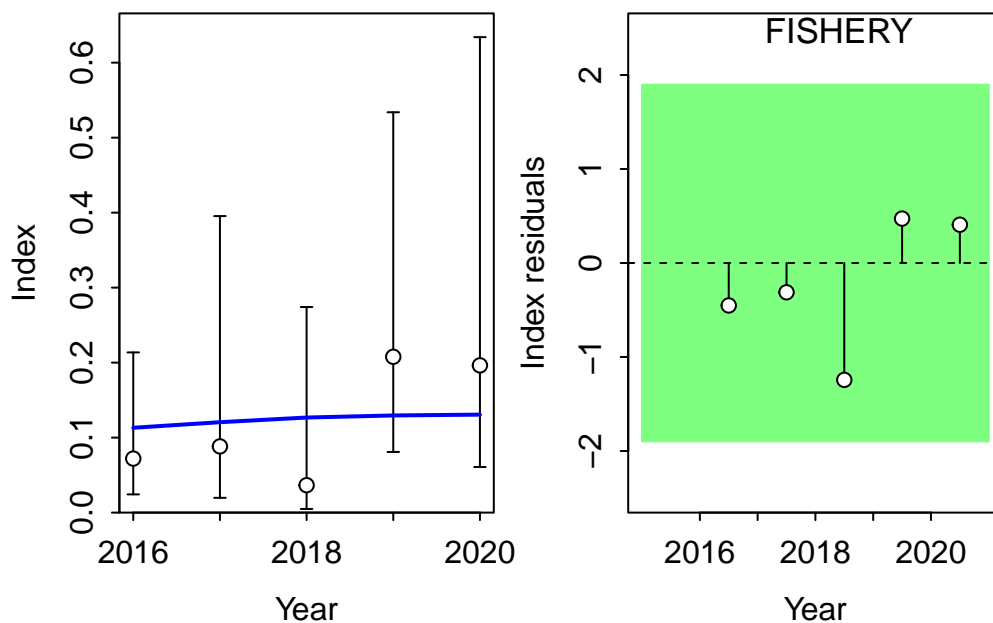
[1] "1 NOTE:  Max data length bin: 51  < max pop len bins: 57; so will accumulate larger pop
[2] "N warnings: 1"

```

### Fit to Model

#### CPUE

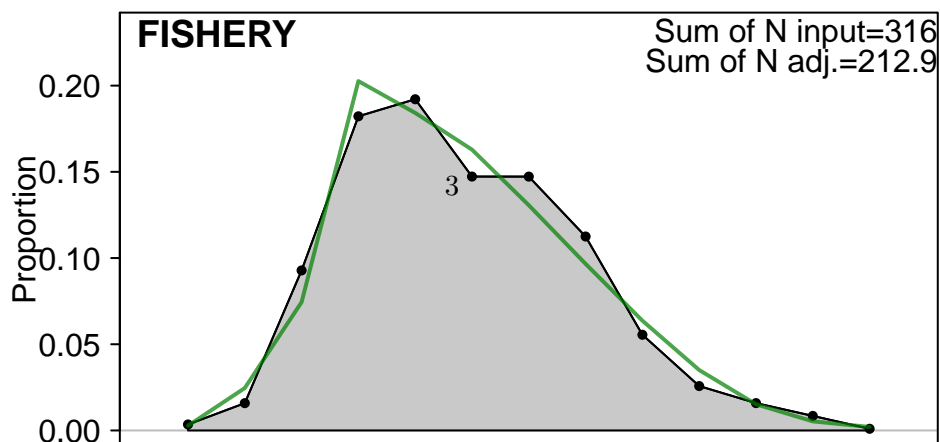
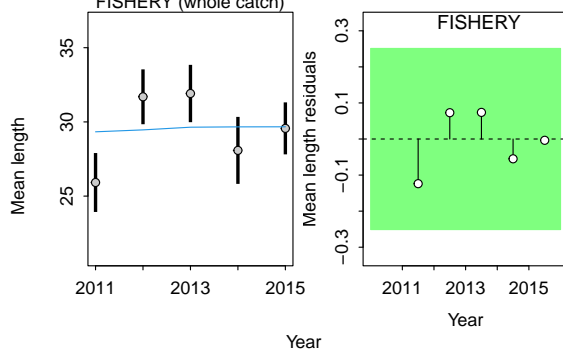
Fleet	RMSE.perc	Nobs
FISHERY	66.9	5
Combined	66.9	5

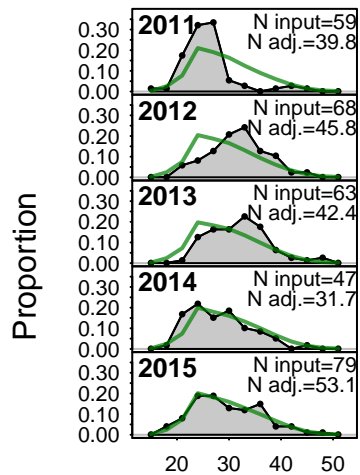


### Length Comp

Fleet	RMSE.perc	Nobs
FISHERY	7.6	5
Combined	7.6	5

w                      lo                      hi                      Index runs.p    test    sigma3.lo    sigma3.hi    type  
 0.15896274 0.09865562 0.80878281                      1 FISHERY    0.331 Passed -0.2510863 0.2510863    len





Length (cm)

### Retrospective

[1] "No retrospective runs were found"

### Hindcasting

[1] "No information for hindcast was found"

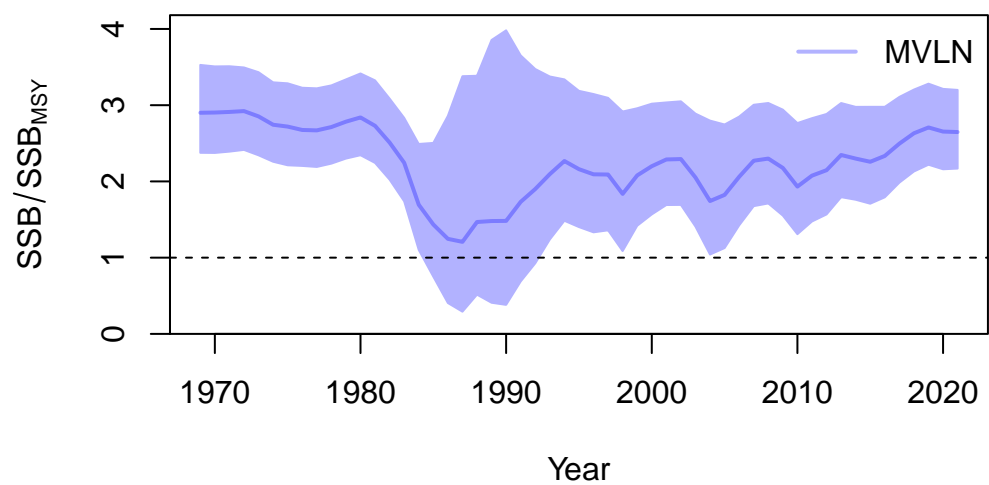
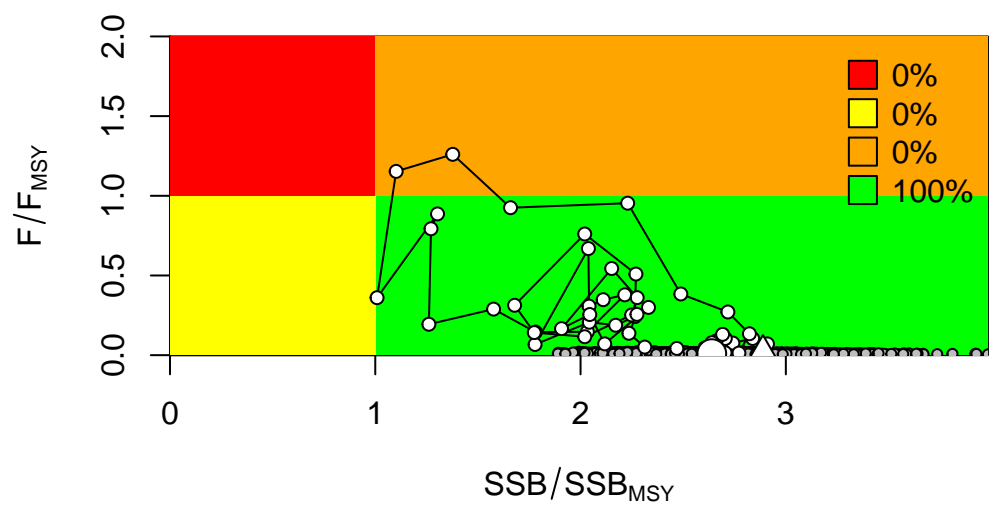
### Recruitment Deviations

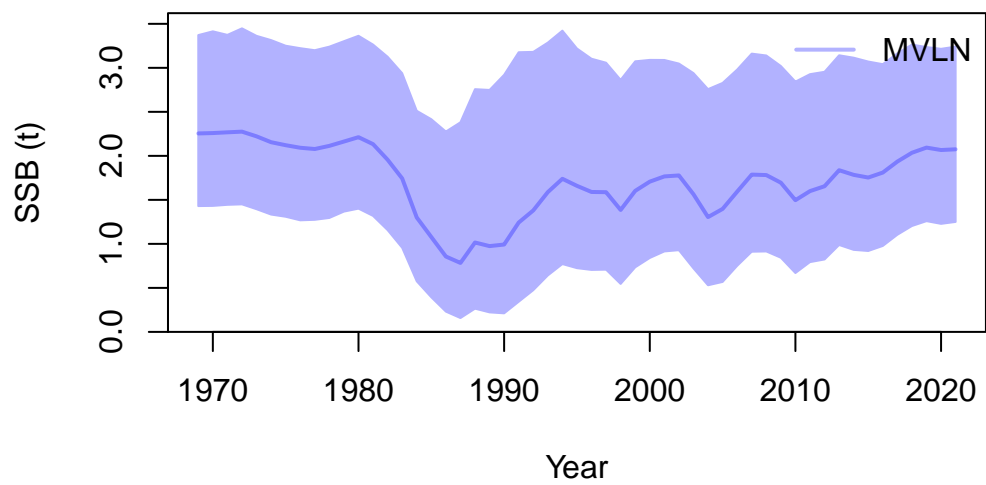
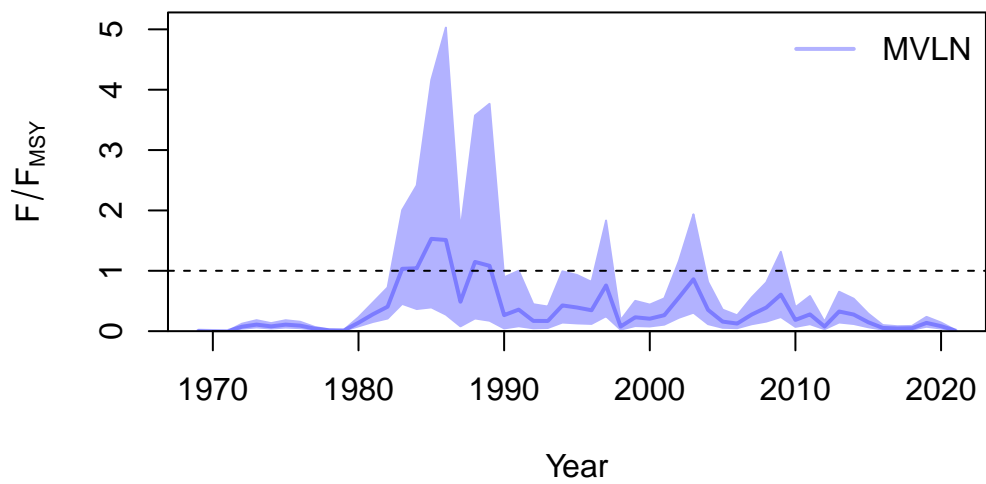
### Likelihood Profile

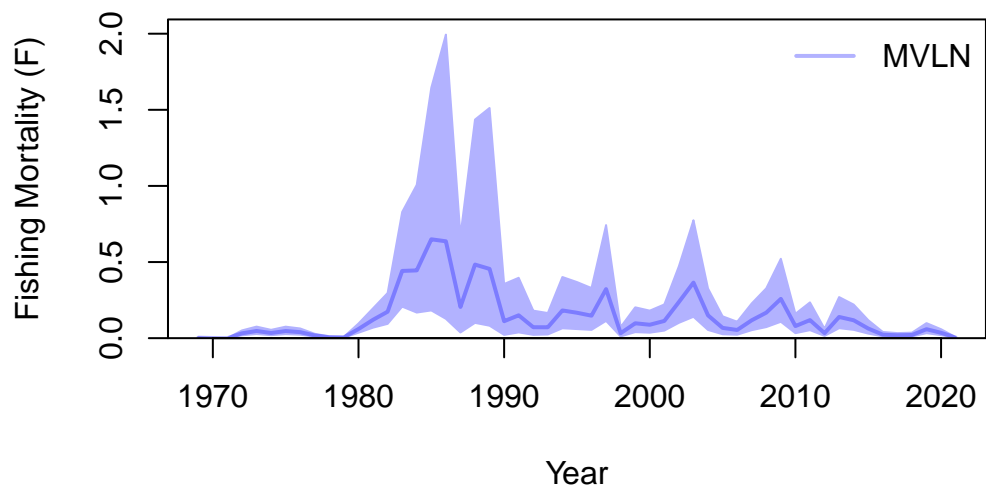
[1] "No likelihood runs were found"

### Management Quantities

starter.sso with Bratio:  $SSB/SSB_{MSY}$  and  $F: \_abs\_F$

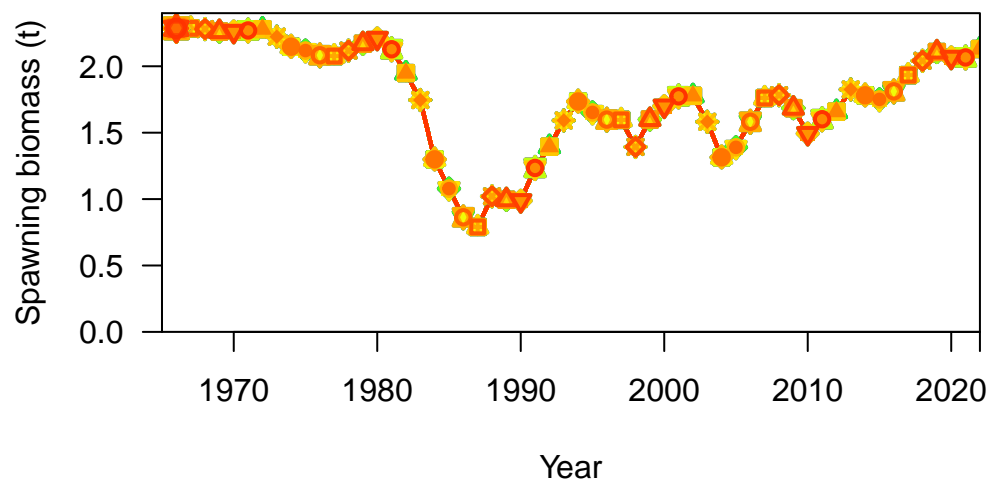
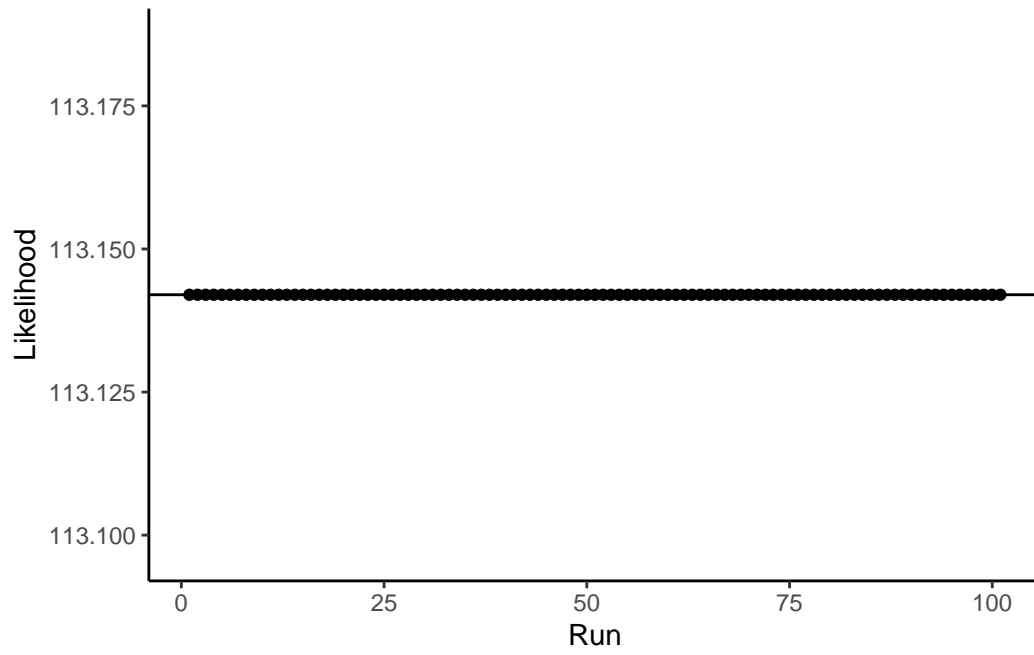




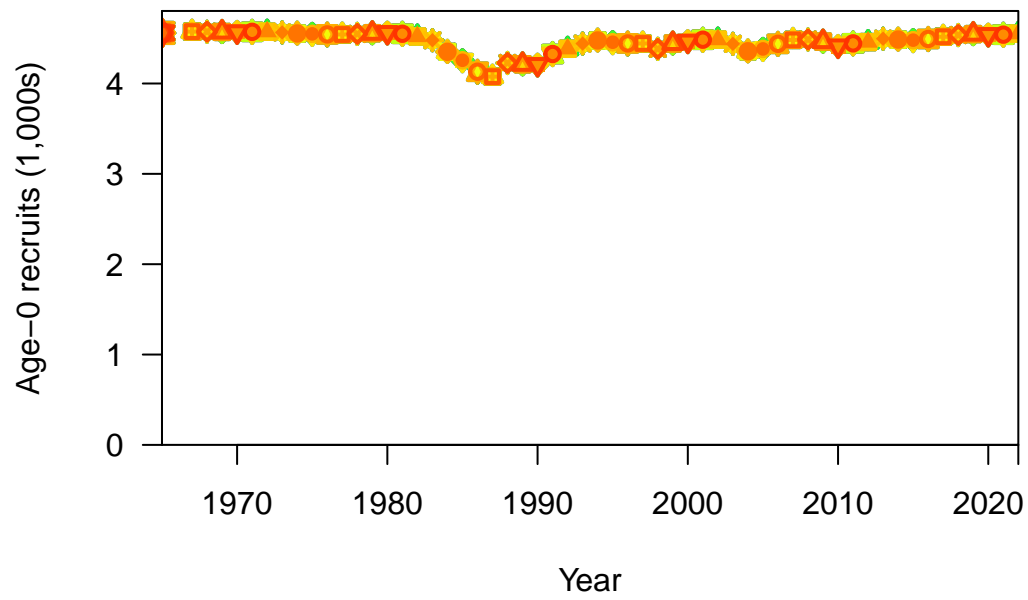
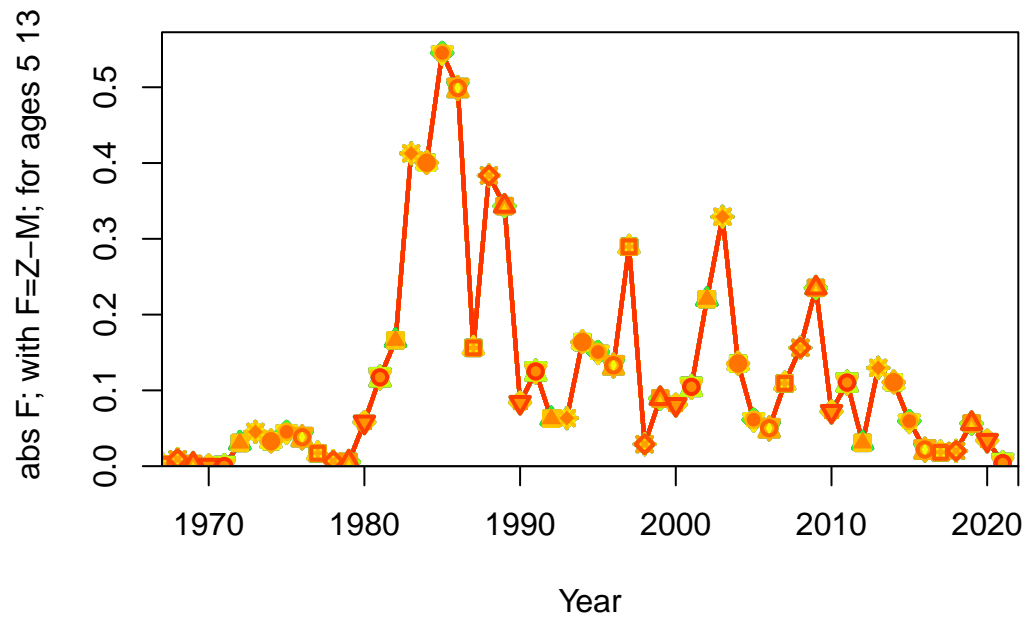


null device  
1

**Jitter**







**Selectivity and Maturity**

