

# American Samoa Model Checks

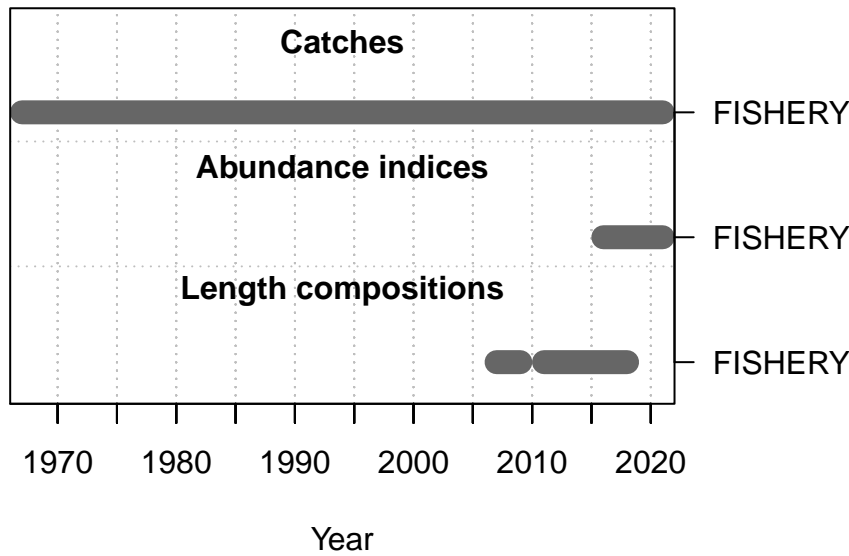
Marc Nadon and Meg Oshima

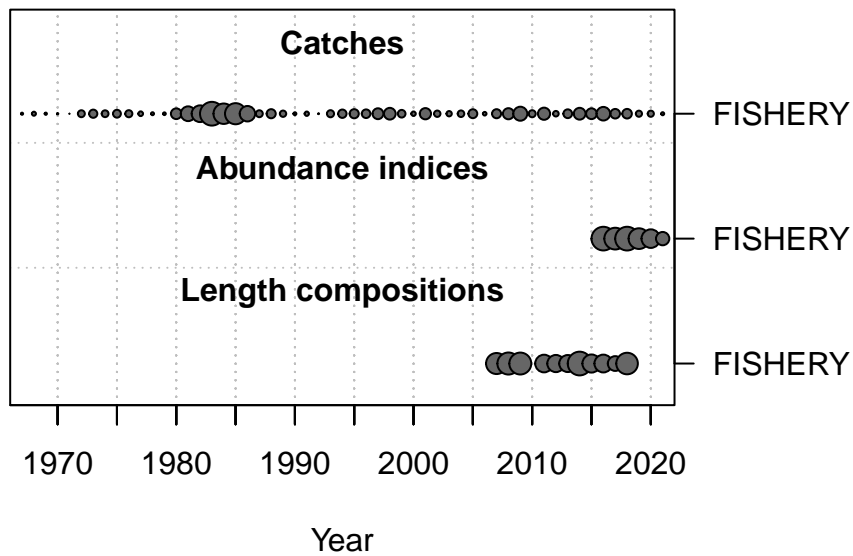
2023-02-27

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

## Model Output

### Input Data





### Convergence Check

```

Converged      MaxGrad
1      TRUE 2.52587e-05

```

```

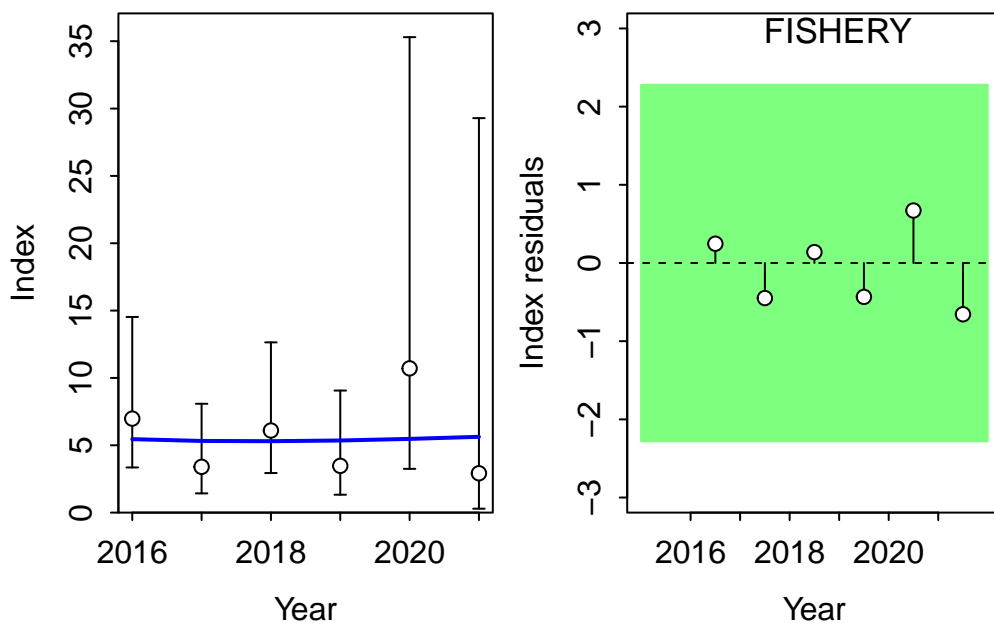
[1] "1 NOTE: Max data length bin: 90 < max pop len bins: 100; so will accumulate larger pop
[2] "N warnings: 1"

```

### Fit to Model

#### CPUE

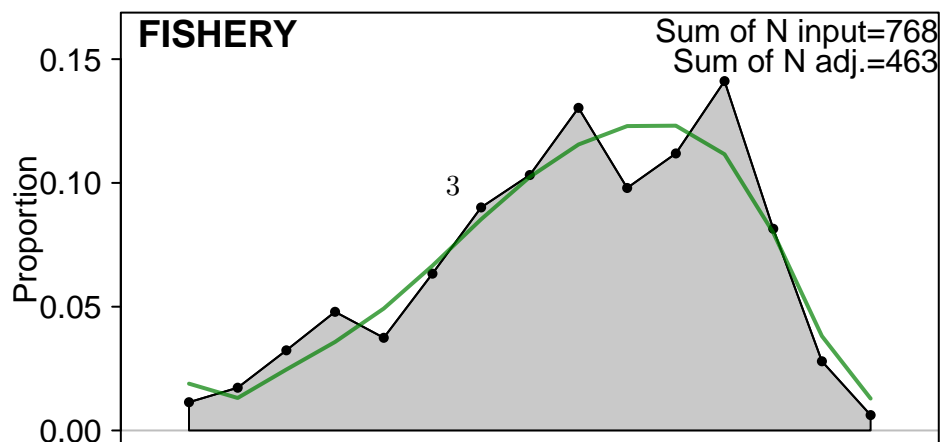
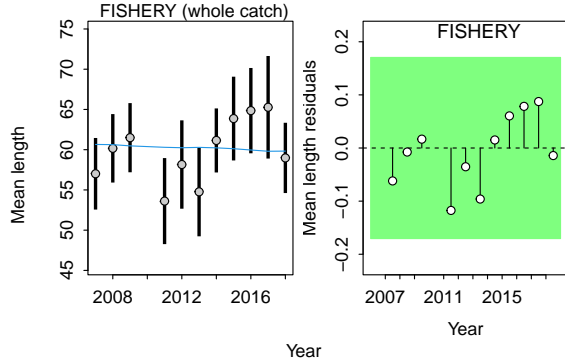
Fleet	RMSE.perc	Nobs
FISHERY	47.4	6
Combined	47.4	6

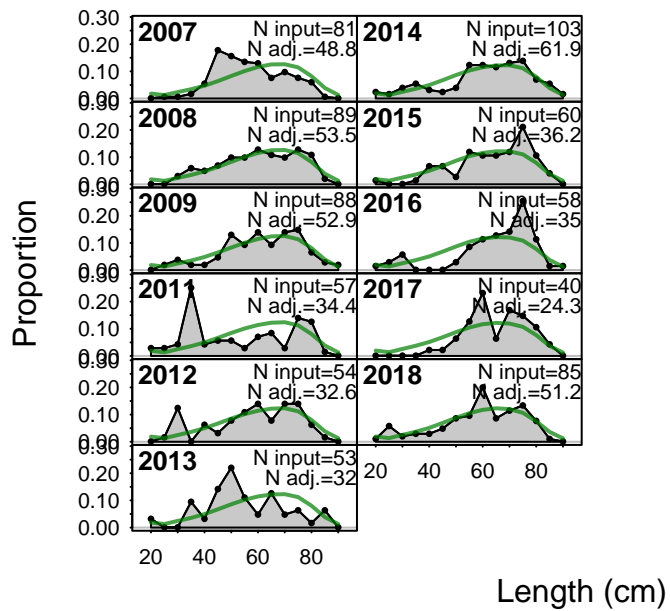


### Length Comp

Fleet	RMSE.perc	Nobs
FISHERY	6.5	11
Combined	6.5	11

w lo hi Index runs.p test sigma3.lo sigma3.hi type  
 0.4475221 0.3022758 1.1044378 1 FISHERY 0.175 Passed -0.1704781 0.1704781 len





## Retrospective

[1] "No retrospective runs were found"

## Hindcasting

[1] "No information for hindcast was found"

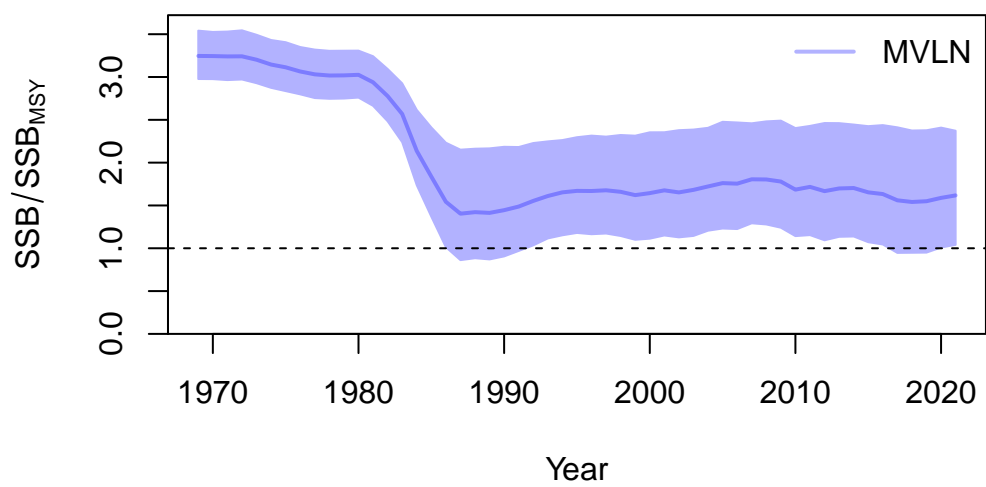
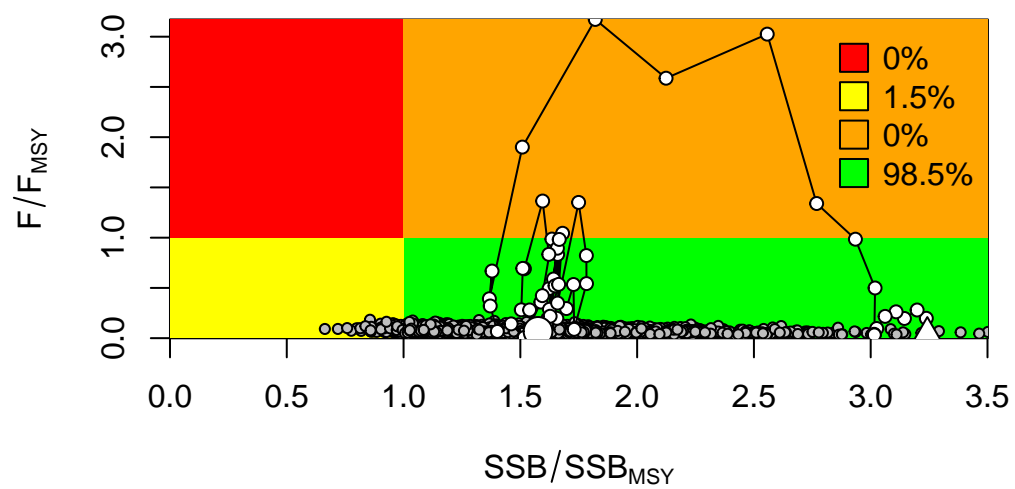
## Recruitment Deviations

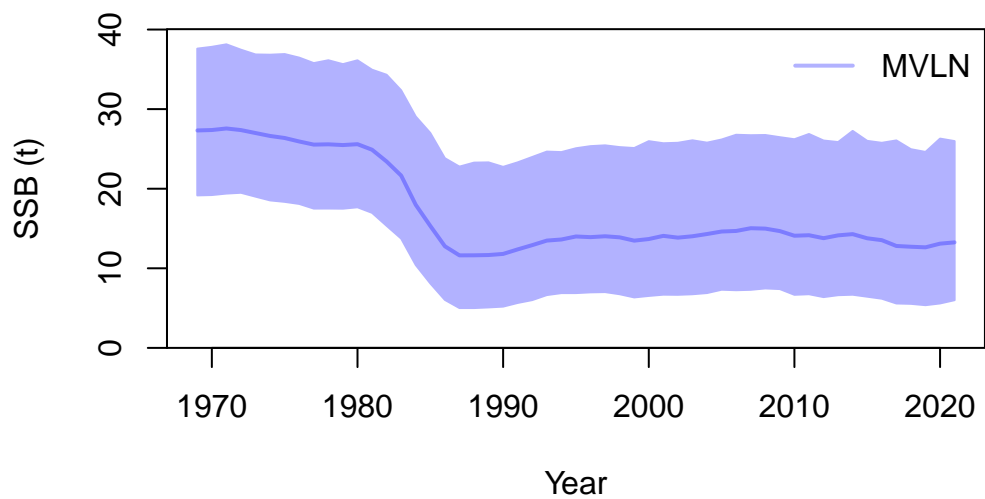
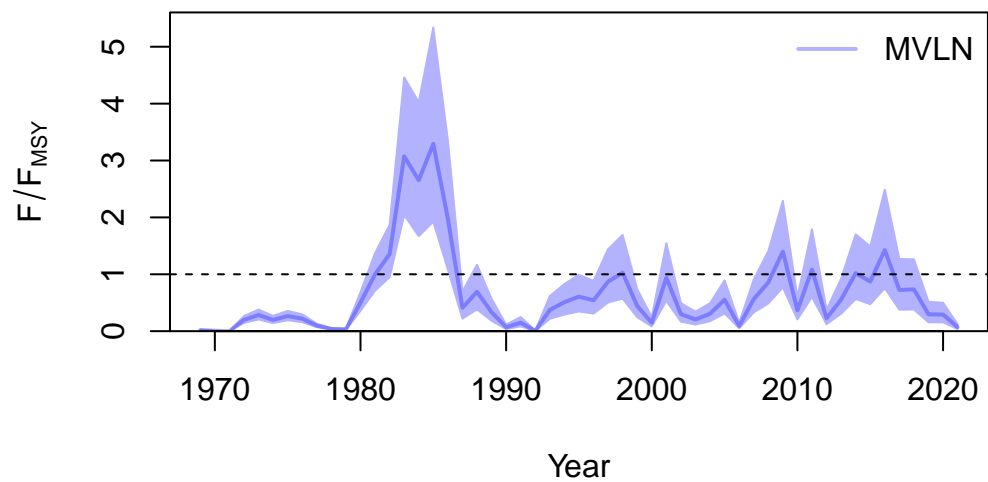
## Likelihood Profile

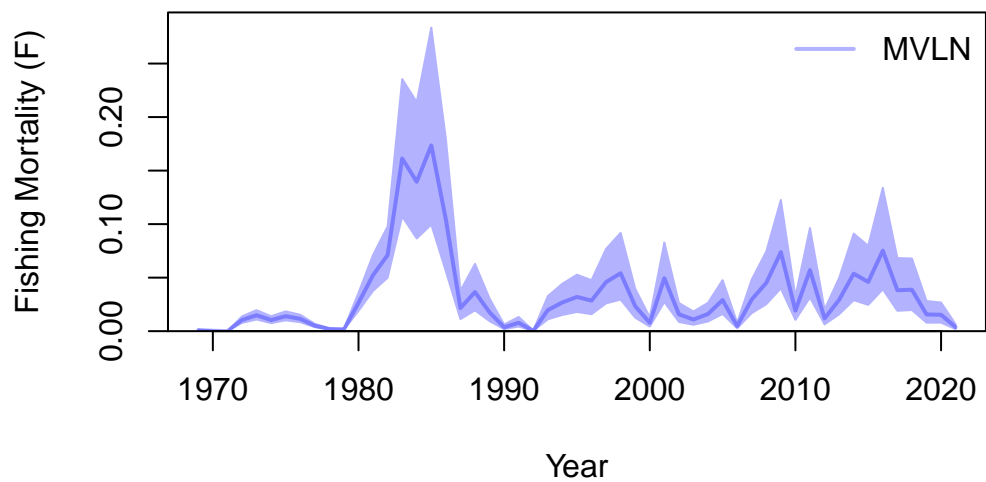
[1] "No likelihood runs were found"

## Management Quantities

starter.sso with Bratio:  $SSB/SSBMSY$  and  $F: \_abs\_F$







```
null device
1
```

## Jitter

```
[1] "No jitter runs were found."
```

## Selectivity and Maturity

