**Sequence of WHAM model configurations with Run9 ASAP dat file from 2023MT**

**Goal: Reproducing ASAP results in WHAM**

This appendix details the sequence of model configurations explored to arrive at the latest WHAM model. In the summary table below, the following abbreviations are used: Big = Bigelow, Alb = Albatross, OFV = objective function value; ESS = effective sample size; agg = aggregate, obs = observed, stdev = standard deviation, B = biomass, SSB = spawning stock biomass.

| **Run** | **Description** | **Diagnostics** |
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| 1 | RUN9\_For\_WHAM.DAT – ASAP Run 9 but meets WHAM requirements (index age of first selectivity specification (initial guesses now set at 0) and 2) -999 in Albatross extended to 2020-2022) | General trends captured but still have some differences in F, especially at the end of the time series. Is this due to the penalized selectivity in ASAP that cannot be reproduced in WHAM? |
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