

	Object	Model name	Description	path
	SS 3.24	13.sq	2013 Assessment SS3.24	model/2013_SST
0. Transition				
Item 0.0	SS 3.30.21	23.sq.fixQ	2023 Assessment SS3.30-fixed catchability	model/2013_SST_SSV3_30_21
Item 0.1	All Param fixed	23.sq.fix	13.sq assessment (SS V3.30.32) - All param fixed	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.fix
	Floating Q	23.sq.floatQ	13.sq assessment (SS V3.30.21) - Param estimated as before but Q floating	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.floatQ
	All Param estimated	23.sq.est	13.sq assessment (SS V3.30.21) - All param estimated	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.est
Item 0.2	Update landings	23.land.update	23.sq.floatQ + landings updated	model/Sensitivity_Anal/0.2_Update_Data/1_23.land.update
	Updates discard rates	23.disc.update	23.land.update + discards updated	model/Sensitivity_Anal/0.2_Update_Data/2_23.disc.update
	Update survey geostat indices	23.surv_geo.update	23.disc.update + geo Indices	model/Sensitivity_Anal/0.2_Update_Data/3_23.surv_geo.update
	Update survey length comps	23.lcs_survey.update	23.surv_geo.update + Surv Lcs	model/Sensitivity_Anal/0.2_Update_Data/4_23.lcs_survey.update
	Update fisheries length comps	23.lcs_fisheries.update	23.lcs_survey.update + Fisheries Lcs	model/Sensitivity_Anal/0.2_Update_Data/5_23.lcs_fisheries.update
	Update discard mean weights	23.disc_weight.update	23.lcs_fisheries.update + Discard weight updated	model/Sensitivity_Anal/0.2_Update_Data/6_23.disc_weight.update
	Update growth	23.growth.update	23.disc_weight.update + growth updated	model/Sensitivity_Anal/0.2_Update_Data/7_23.growth.update
	Update maturity	23.maturity.update	23.growth.update + maturity updated	model/Sensitivity_Anal/0.2_Update_Data/8_23.maturity.update
	Update fecundity	23.fecundity.update	23.maturity.update + fecundity updated	model/Sensitivity_Anal/0.2_Update_Data/9_23.fecundity.update
1. Landings	Update natural mortality	23.mortality.update	23.fecundity.update + mortality updated	model/Sensitivity_Anal/0.2_Update_Data/10_23.mortality.update
Item 1.1	Imputed historical landings	23.land.hist_impute	Use imputed historical landings	model/Sensitivity_Anal/1.1_Landings_Sensitivity/1_23.land.hist_impute
	2013 assessment landings	23.land.2013	Use 2013 assessment landings	model/Sensitivity_Anal/1.1_Landings_Sensitivity/2_23.land.2013
3. Surveys				
Item 3.1	gamma vs ln error	23.surveys.gamvln	23.model.francis_2 with lognormal error structure in geostatistical abundance indices	model/Sensitivity_Anal/3.1_surveys_Sensitivity/1_23.surveys.gamvln
4. Biological Info				
Item 4.1	Growth Sensitivity High	23.growth.high	23.model.francis_2 + high growth	model/Sensitivity_Anal/4.1_Growth_Sensitivity/1_23.growth.high
	Growth Sensitivity Low	23.growth.low	23.model.francis_2 + low growth	model/Sensitivity_Anal/4.1_Growth_Sensitivity/2_23.growth.low
Item 4.2	PG maturity	23.maturity.pgcurve	23.model.francis_2 + PG maturity	model/Sensitivity_Anal/4.2_Maturity_Sensitivity/1_23.maturity.pgcurve
	Intermediate maturity curve	23.maturity.mix_curve	23.model.francis_2 + intermediate maturity curve	model/Sensitivity_Anal/4.2_Maturity_Sensitivity/2_23.maturity.mix_curve
5. Model				
Item 5.1	Update Terminal RecDev Year	23.model.recdevs_termYear	23.mortality.update + temyear change	model/Sensitivity_Anal/5.1_Explore_RecDevs/1_23.model.recdevs_termYear
	Update Initial RecDev Year	23.model.recdevs_initYear	23.model.recdevs_termYear + inityear change	model/Sensitivity_Anal/5.1_Explore_RecDevs/2_23.model.recdevs_initYear
Item 5.3	Francis Reweighting	23.model.francis	23.model.fleetstruct_5 + new Francis weights	model/Sensitivity_Anal/5.3_Francis_Reweighting/1_23.model.francis
Item 5.4	Survey Timing	23.model.survey_timing	survey timing = -1	model/Sensitivity_Anal/5.4_SS_Model_Warnings/1_23.model.survey_timing
Item 5.1	S-R Steepness	23.model.recdevs_steep	23.model.recdevs_initYear + h=0.72	model/Sensitivity_Anal/5.1_Explore_RecDevs/3_23.model.recdevs_steep
	Bias Adjustment Years	23.model.recdevs_bias	23.model.recdevs_steep + biaspars updated	model/Sensitivity_Anal/5.1_Explore_RecDevs/4_23.model.recdevs_bias
Item 5.5	Sex-Specific Survey Selectivity	23.model.sexed_survey_selectivity	sex-specific survey selectivity	model/Sensitivity_Anal/5.5_Improve_LC_Fits/2_23.model.sexed_survey_selectivity
	Improve Trawl_N LC Fit	23.model.improve_trawlN	change Trawl_N selectivity pars	model/Sensitivity_Anal/5.5_Improve_LC_Fits/3_23.model.improve_trawlN
Item 5.4	Settlement Events	23.model.settlement_events	simple settlement event	model/Sensitivity_Anal/5.4_SS_Model_Warnings/2_23.model.settlement_events
Item 5.5	Remove small sample size LCs	23.model.sample_sizes	remove small sample sizes	model/Sensitivity_Anal/5.5_Improve_LC_Fits/1_23.model.sample_sizes
Item 5.7	Fix warnings	23.fix_warnings	Fix warnings	model/Sensitivity_Anal/5.7_Fix_Warnings/1_23.fix_warnings
Item 5.8	Francis Reweighting 2	23.model.francis_2	francis weighting part 2	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2
Item 5.5	Improve Other LC Fits	23.model.improve_other	change other fleet selectivity pars	model/Sensitivity_Anal/5.5_Improve_LC_Fits/4_23.model.improve_other
Item 5.6	Modify recdev init year	23.model.recdevs_inityear_1996	update recdevs 1996	model/Sensitivity_Anal/5.6_Update_Recdevs_Inityear/1_23.model.recdevs_inityear_1996
Item 5.9	blk Trawl 89	23.blkret.T1	blk Trawl 89	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T-1
	blk Trawl mid10	23.blkret.T2	blk Trawl mid10	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T-2
	blk Trawl 89-mid10	23.blkret.T3	blk Trawl 89-mid10	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T-3
	blk Trawl 89-mid10-19	23.blkret.T4	blk Trawl 89-mid10-19	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T-4
	blk Trawl 89-mid10 NonTrawl 05-13	23.blkret.T3.NT1	blk Trawl 89-mid10 NonTrawl 05-13	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T-3.NT-1
	blk Trawl 89-mid10 NonTrawl 05-13-17	23.blkret.T3.NT2	blk Trawl 89-mid10 NonTrawl 05-13-17	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T-3.NT-2
Item 5.10	Prior on Selectivity - 1 Blk	23.slx.Prior.1Blk	23.blkret.T3 + 1 Time Block	model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk
	Prior on Selectivity - 2 Blks	23.slx.Prior.2Blk	23.blkret.T3 + 2 Time Blocks	model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/2_23.slx.Prior.2Blk
	Prior on Selectivity - 3 Blks	23.slx.Prior.3Blk	23.blkret.T3 + 3 Time Blocks	model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk