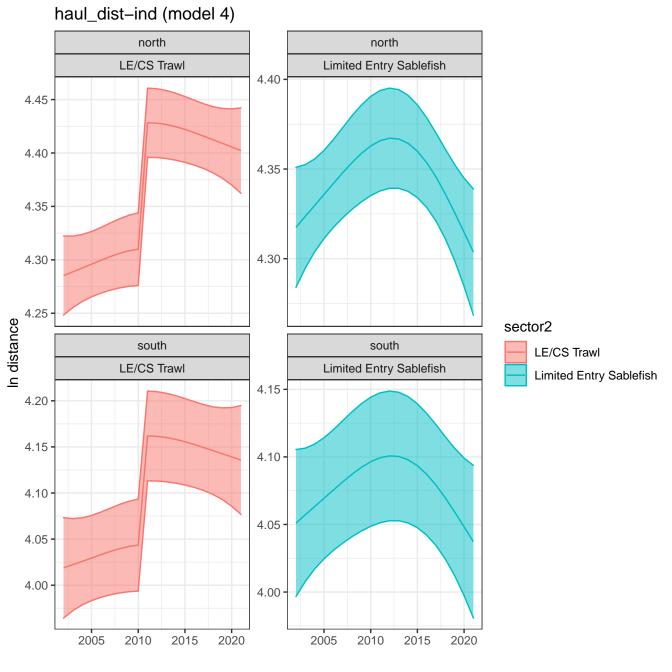
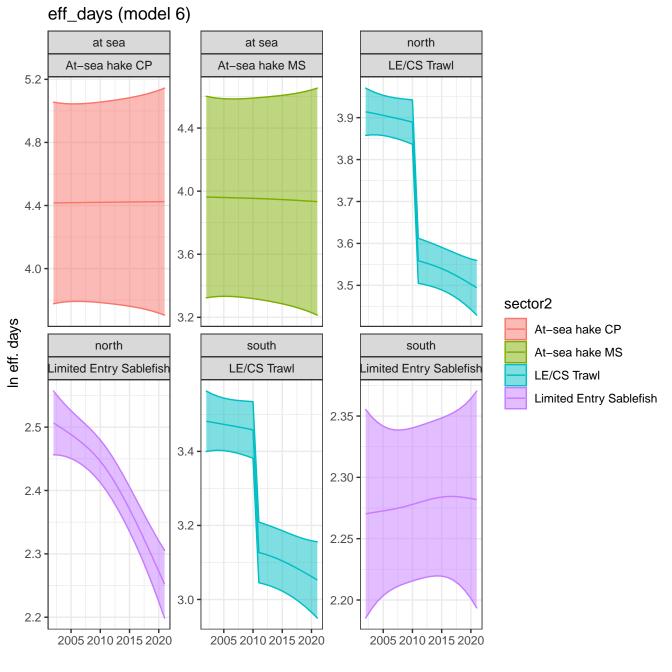


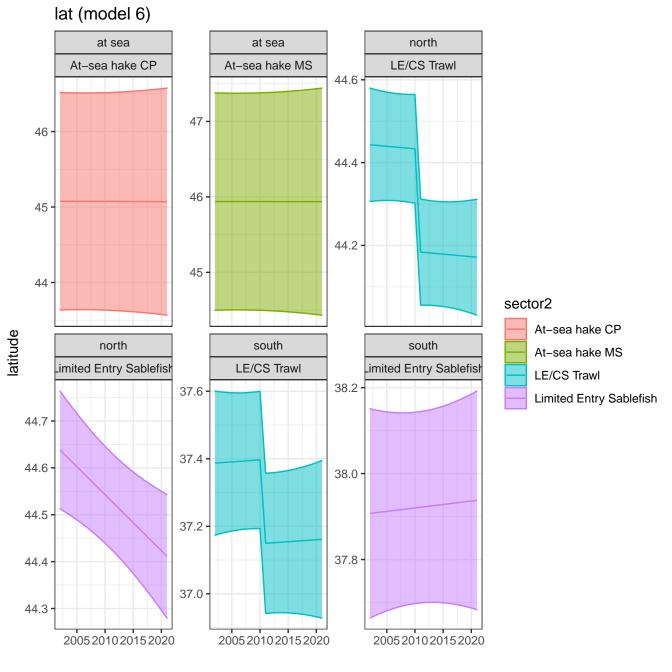
inertia-ind (model 6) north at sea at sea At-sea hake CP At-sea hake MS LE/CS Trawl 1.0 --0.80.5 -0.9 **-**0.5 0.0 -1.00.0 -0.5-1.1 **-**-0.5-1.0-1.2 sector2 In sqrt(inertia) At-sea hake CP north south south At-sea hake MS imited Entry Sablefish LE/CS Trawl imited Entry Sablefish LE/CS Trawl -0.8 **-**-1.50 -Limited Entry Sablefish -1.75 **-**-1.4-1.0-2.00 **-**-1.2 **-**-1.6 **-**-2.25 - -1.4 **-**-1.82005201020152020 2005201020152020 2005201020152020

haul_dist (model 4) north north LE/CS Trawl Limited Entry Sablefish 4.45 -4.400 4.40 4.375 4.35 -4.350 4.30 -4.325 In distance sector2 south south LE/CS Trawl LE/CS Trawl Limited Entry Sablefish Limited Entry Sablefish 4.20 4.16 4.15 -4.12 4.10 4.08 4.05 -4.00 2010 2005 2015 2020 2005 2010 2015 2020

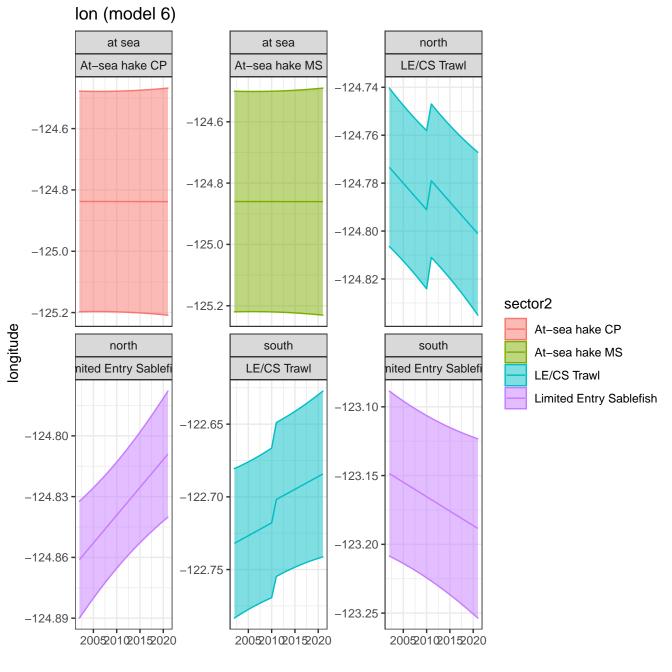




eff_days-ind (model 6) north at sea at sea At-sea hake CP At-sea hake MS LE/CS Trawl 4.25 -2.9 -2.8 3.50 4.00 2.7 3.25 3.75 -2.6 -2.5 -3.00 3.50 -2.4 sector2 2.75 In eff. days At-sea hake CP north south south At-sea hake MS imited Entry Sablefish imited Entry Sablefish LE/CS Trawl LE/CS Trawl 2.10 Limited Entry Sablefish 3.25 1.9 2.05 -1.8 -3.00 2.00 -1.7 2.75 -1.95 -1.6 -2.50 1.90 1.5 -2005 2010 2015 2020 2005 2010 2015 2020 2005 2010 2015 2020



lat-ind (model 5) north at sea at sea At-sea hake CP At-sea hake MS LE/CS Trawl 44.75 47 -46 44.50 46 44.25 45 45 44.00 44 sector2 43.75 44 At-sea hake CP latitude north south south At-sea hake MS imited Entry Sablefis imited Entry Sablefis LE/CS Trawl LE/CS Trawl 45.00 Limited Entry Sablefish 38.25 37.75 -44.75 38.00 37.50 37.75 44.50 37.25 37.50 44.25 37.00 2005201020152020 2005201020152020 2005201020152020



Ion-ind (model 6) north at sea at sea At-sea hake CP At-sea hake MS LE/CS Trawl -124.74 **-**-124.6-124.6-124.76-124.8-124.8-124.78 -125.0-124.80-125.0-124.82 sector2 -125.2 -125.2 longitude At-sea hake CP north south south At-sea hake MS nited Entry Sablefi LE/CS Trawl nited Entry Sablefi LE/CS Trawl -123.12 **-**-122.64 **-**Limited Entry Sablefish -124.80 -123.16-122.68 -124.82-123.20-122.72 -124.84 -123.24 **-**-122.76 **-**-124.86-123.28 2005201020152020 2005201020152020 2005201020152020