



Figure 5: (a) Statewide and (b) individual air basin inversion results for an error in the temporal distribution of prior emissions. Prior emissions are given by temporally varying Vulcan and true emissions are given by annually averaged Vulcan. Prior emissions were scaled to be the equal in magnitude to annually averaged Vulcan emissions. The bottom plot (c) shows the mean signal error in simulated average  $\text{ffCO}_2$  concentration.