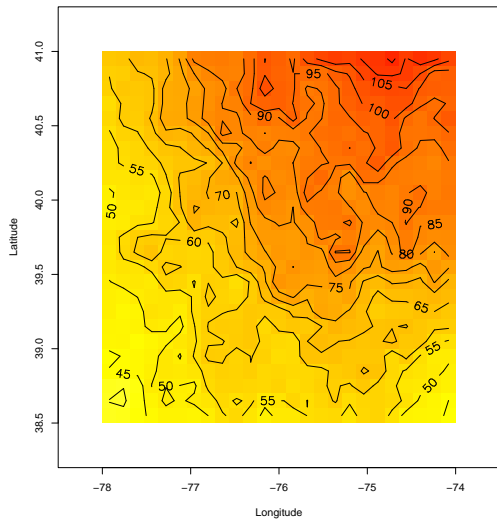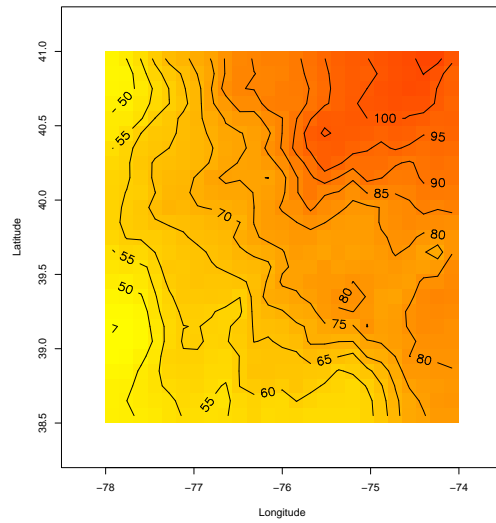(a)

(b)

(c)

Figure 4 (Color version): (a) Simulated observed process at CMAQ grid cells, obtained by adding a white noise process, sampled from a N(0, 0.02) distribution, to the simulated true process. Predictive surface at CMAQ grid cells as obtained using: (b) Bayesian melding and (c) our downscaler. The legend for panels (a)-(c) is provided below panel (a).