



Supplement of

A multiresolution spatial parameterization for the estimation of fossil-fuel carbon dioxide emissions via atmospheric inversions

J. Ray et al.

Correspondence to: J. Ray (jairay@sandia.gov)

Supplementary Material

A spatial parameterization for fossil-fuel carbon dioxide emissions

J. Ray, V. Yadav, A. M. Michalak, B. van Bloemen Waanders and S. A. McKenna

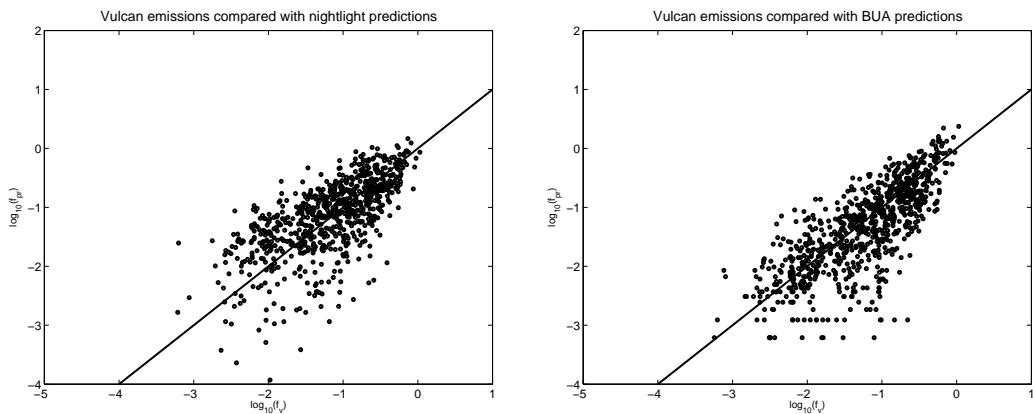


Figure 1: Plots of log-transformed prior emissions \mathbf{f}_{pr} against annually averaged Vulcan emissions $\bar{\mathbf{f}}_V$ in \mathcal{R} . Left: Emissions developed from nightlights. Right: Emissions developed from BUA maps. Note that on a grid-cell basis, the two emissions are not very close. Units of emissions are micromoles of $\text{CM}^{-2}\text{s}^{-1}$.