

Supplementary Materials

Is Alaska truly the great escape from air pollution? – Long term source apportionment of fine particulate matter in Fairbanks, Alaska

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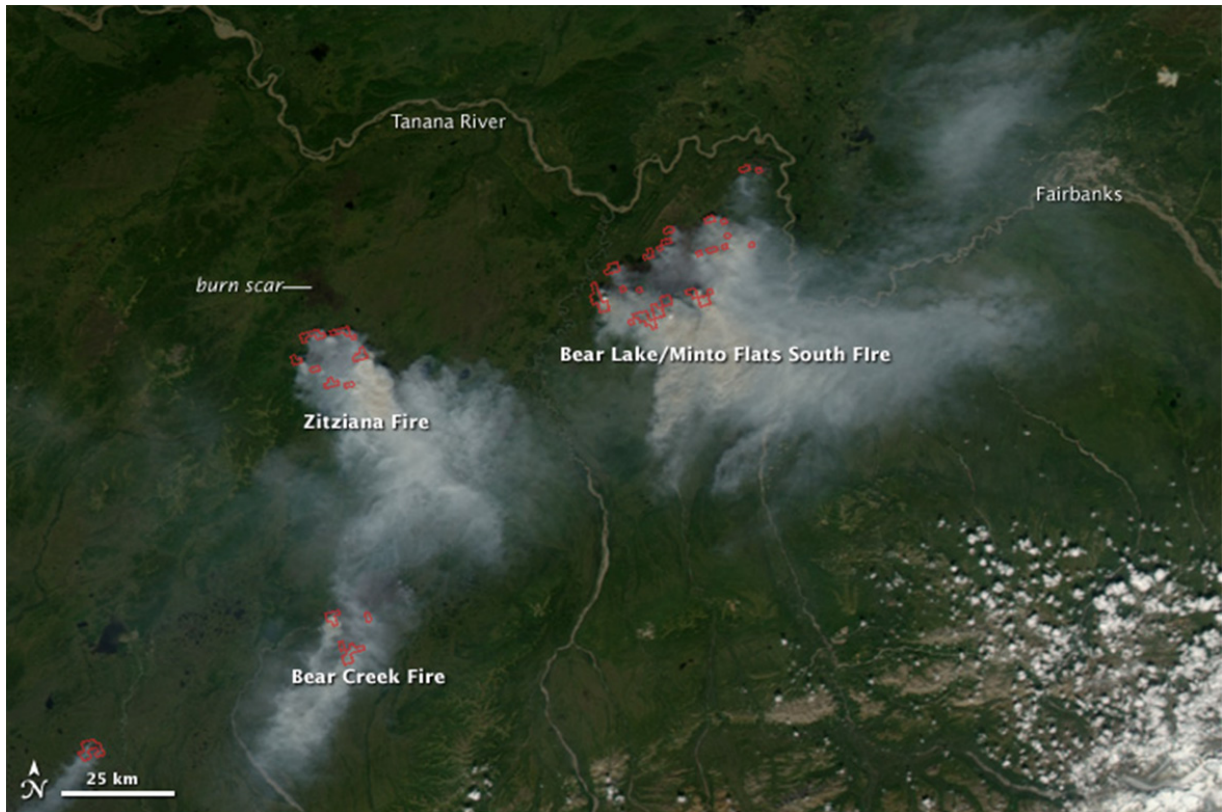


Fig. S1. This image from the Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Aqua satellite shows several lightning-triggered fires (outlined in red) southwest of Fairbanks, Alaska, on July 7

(Photo link: <http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=39244>).

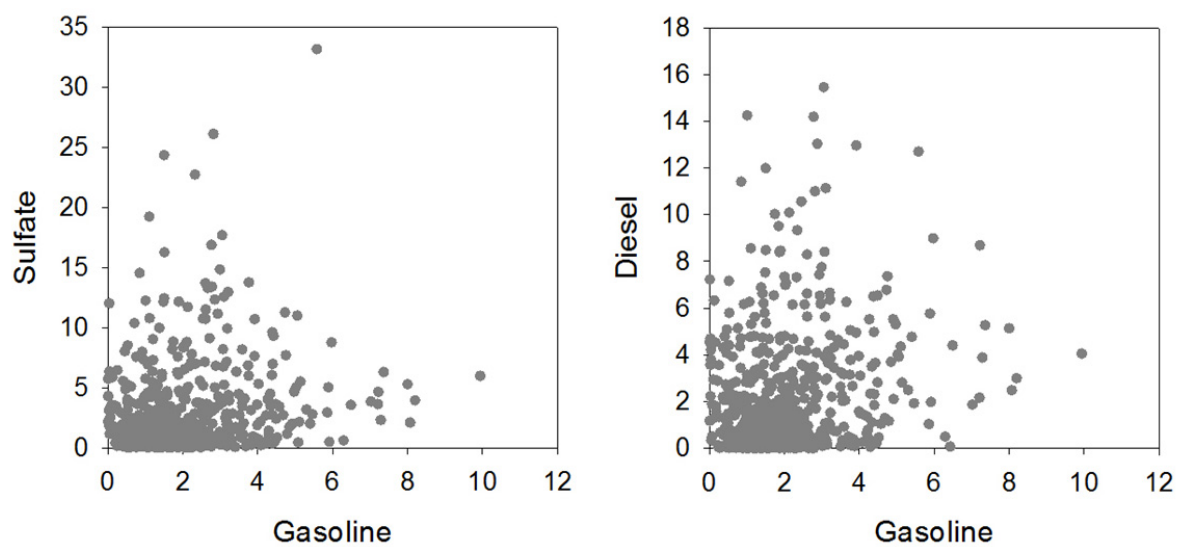


Fig. S2. G-Space plots (left) between gasoline and sulfate and (right) between gasoline and diesel.

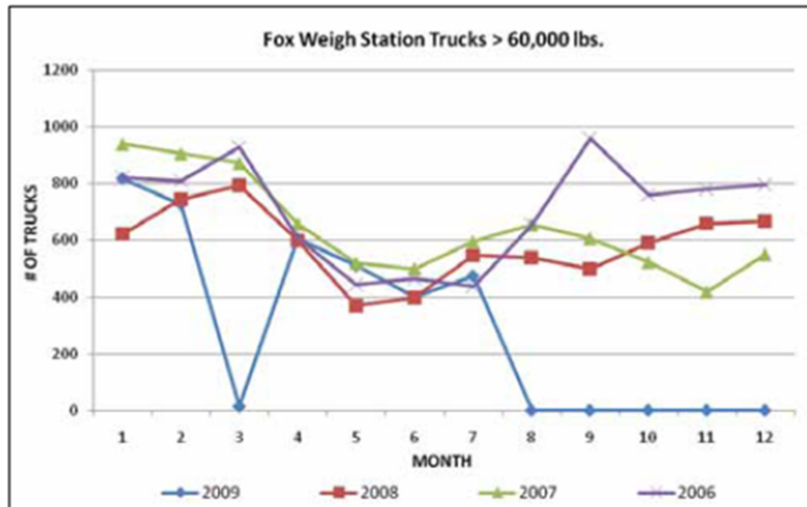


Fig. S3. Number of loaded trucks crossing the Fox Station, north of Fairbanks, 2006-2009. Source: State of Alaska, DOT&PF Division of Measurement Standards and Commercial Vehicle Enforcement Courtesy of Aves Thompson, Alaska Trucking Association.

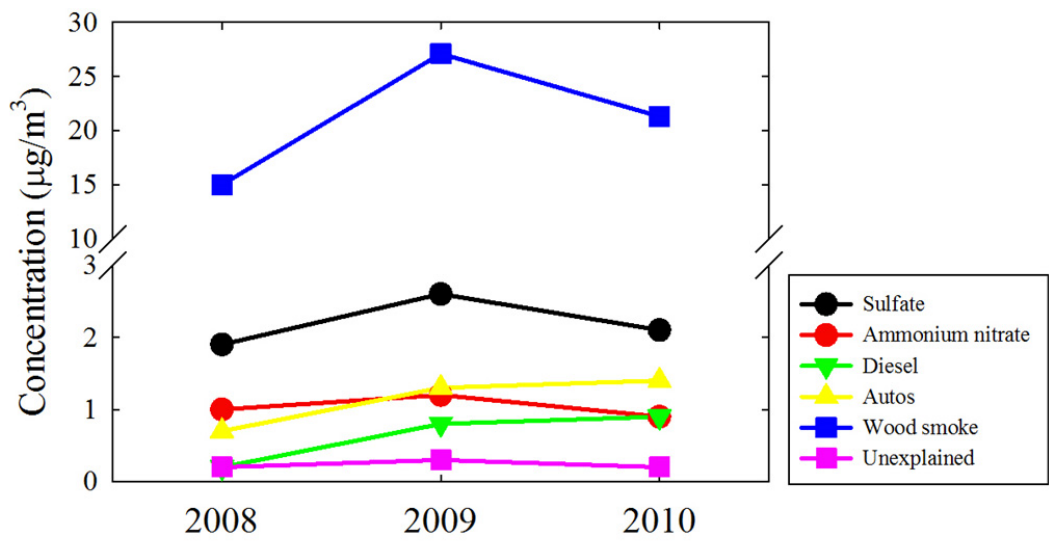


Fig. S4. 2008-2010 annual variation of wintertime source contributions to total PM_{2.5} in mass (Data source: Ward *et al.*, 2012).