

Asian aerosols in North America: Frequency and concentration of fine dust

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[1] Using a probe, we assessed the North American background, which contradicts

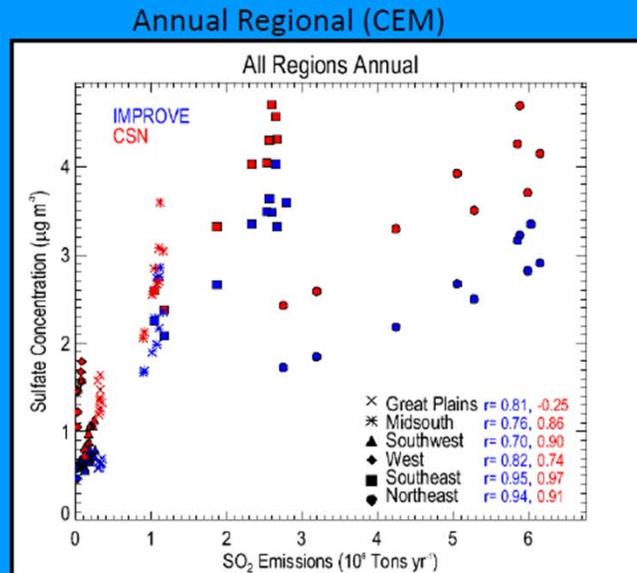
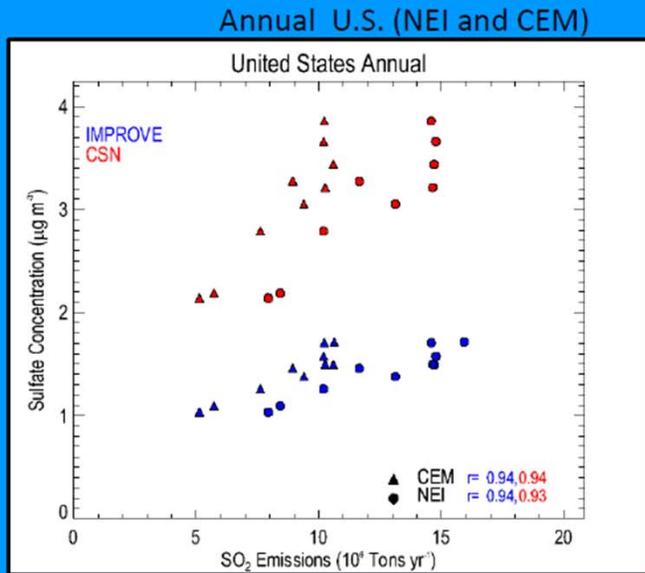
Interactions to Wildfires in the States

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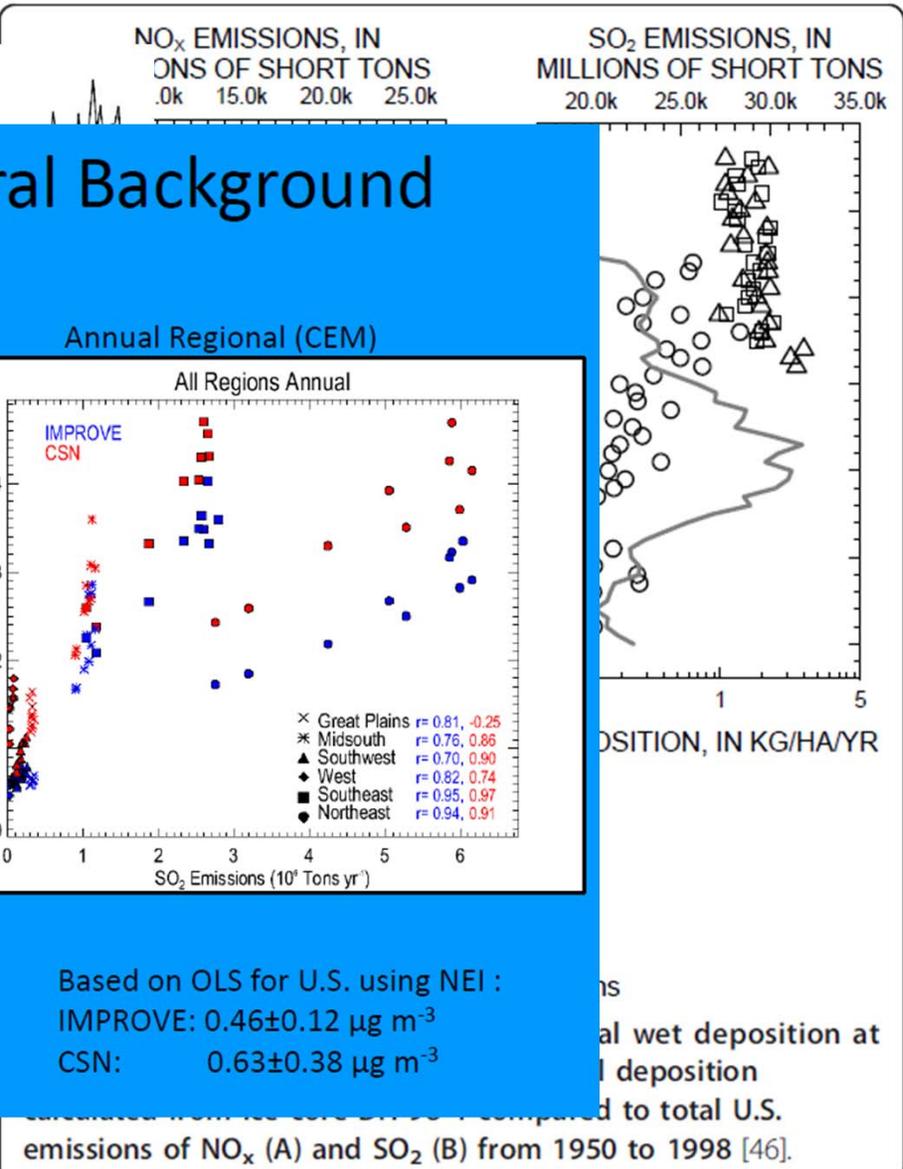
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Implications: Natural Background



RHR Natural Background levels for sulfate ion concentrations:
East: $0.17 \mu\text{g m}^{-3}$
West: $0.09 \mu\text{g m}^{-3}$

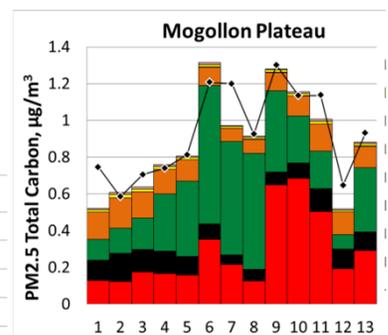
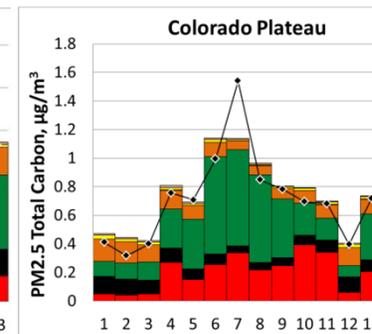
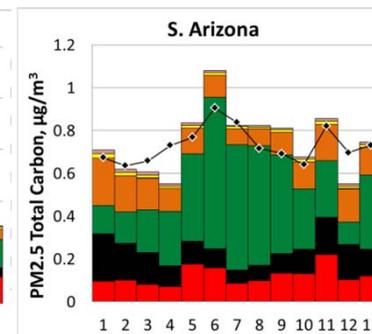
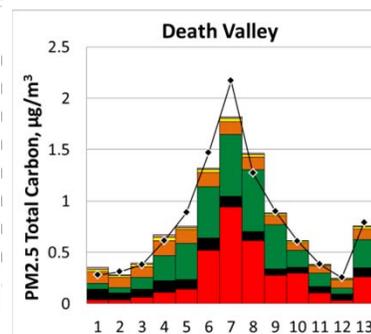
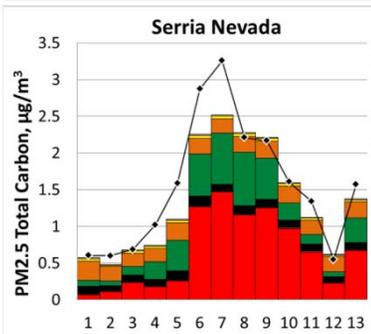
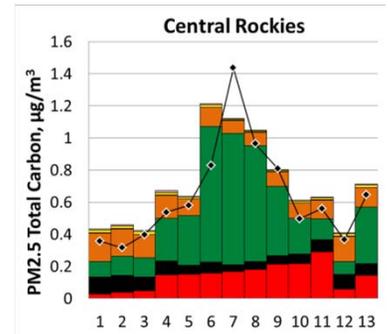
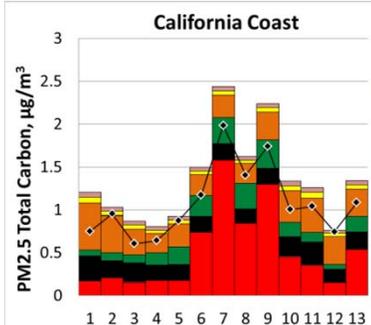
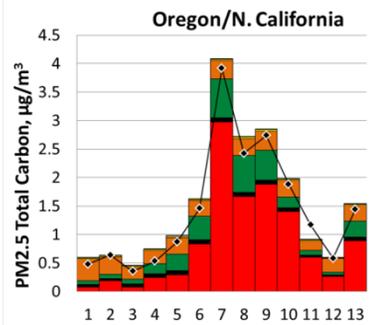
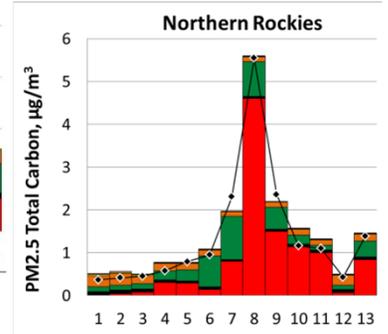
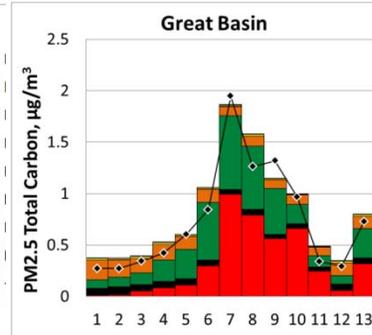
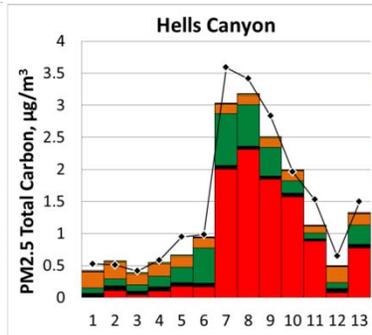
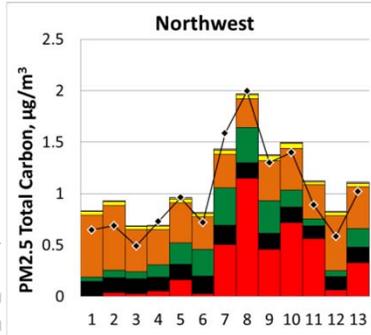
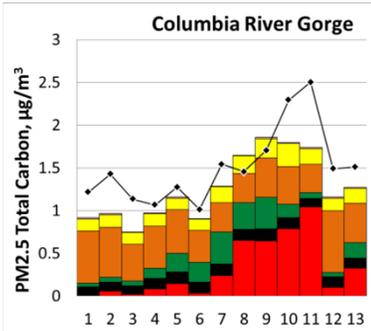
Based on OLS for U.S. using NEI:
IMPROVE: $0.46 \pm 0.12 \mu\text{g m}^{-3}$
CSN: $0.63 \pm 0.38 \mu\text{g m}^{-3}$

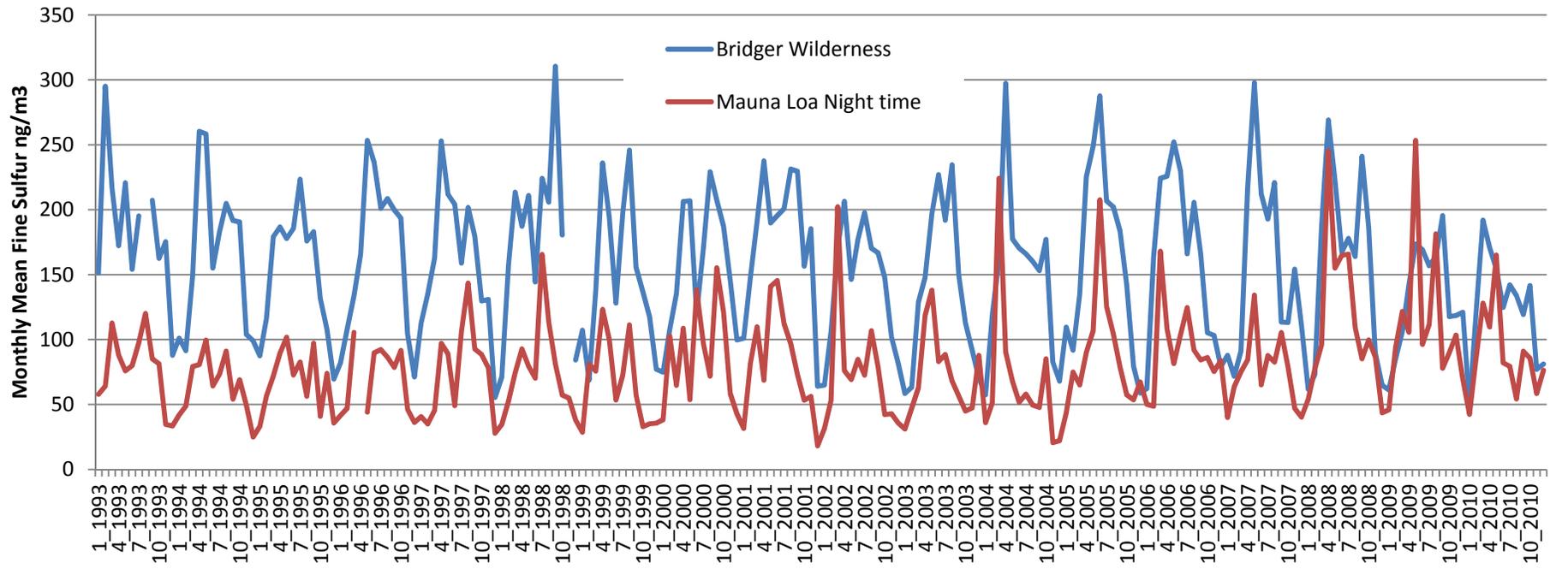


In this study we have evaluated the role of wildfires on

The show includes decades. This trend is li

Refined 2006–08 Source App





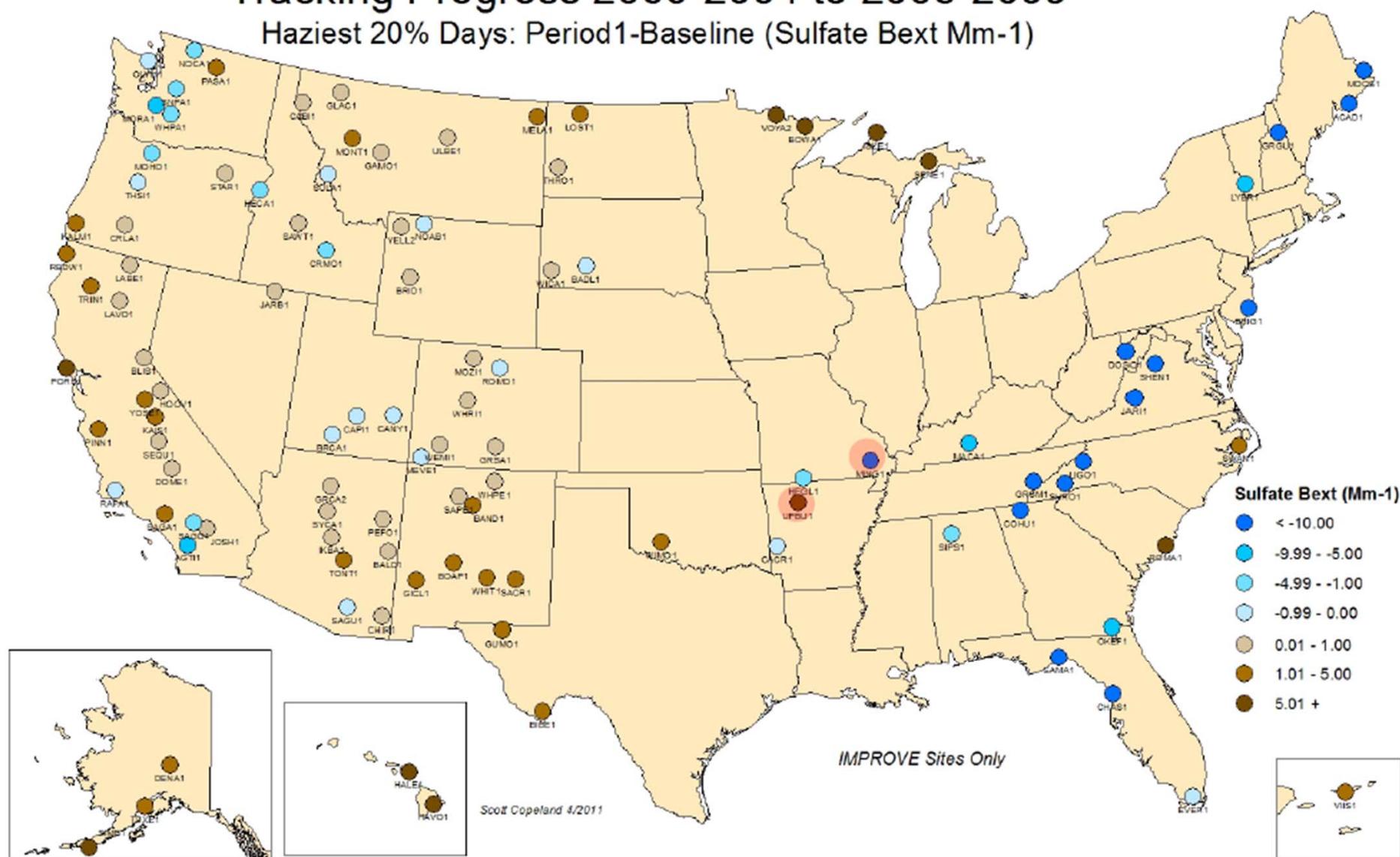
Should IMPROVE Steering Committee
assist in developing NC3 values?

MAX Data Set

Why?

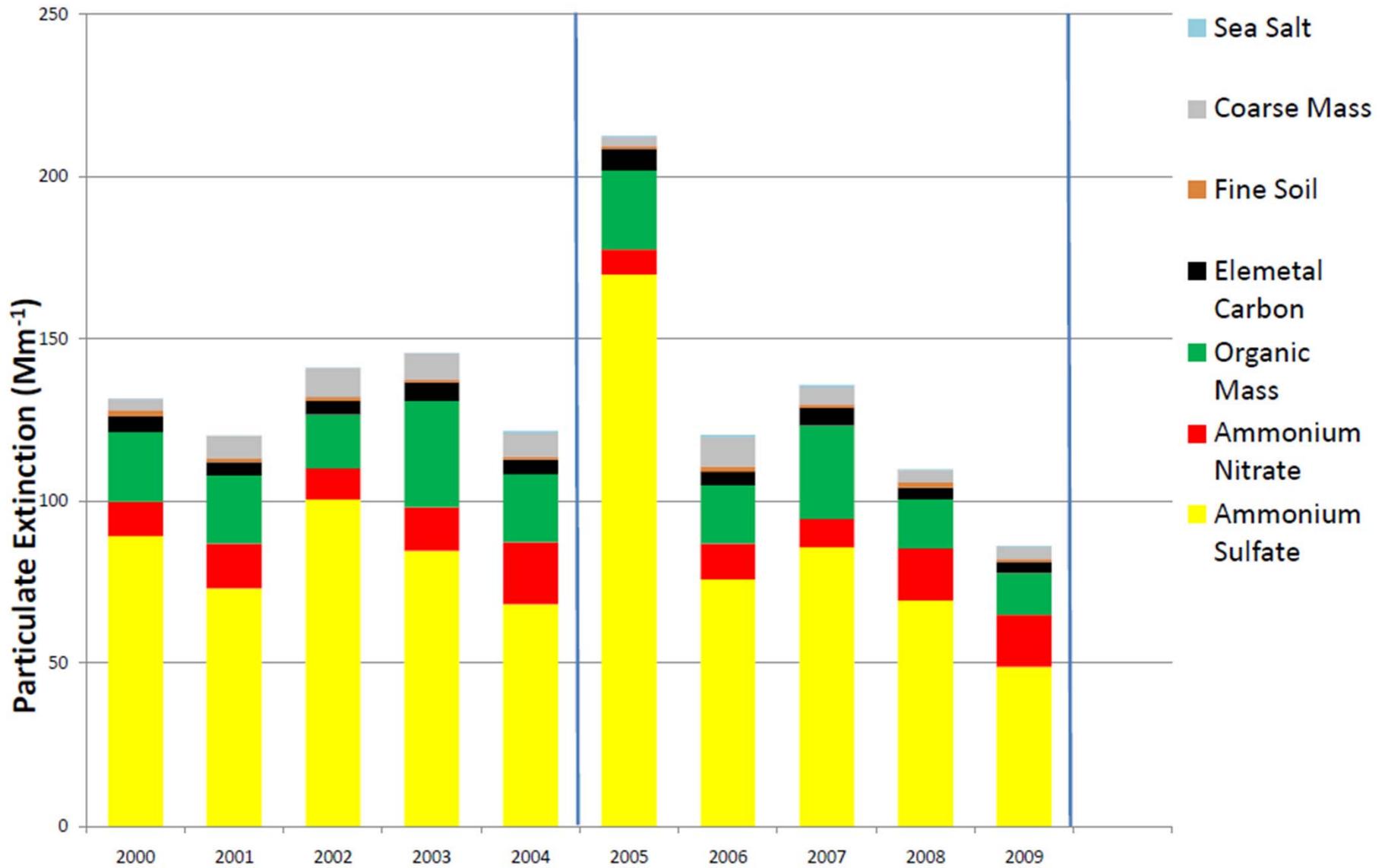
Tracking Progress 2000-2004 to 2005-2009

Haziest 20% Days: Period1-Baseline (Sulfate Bext Mm-1)



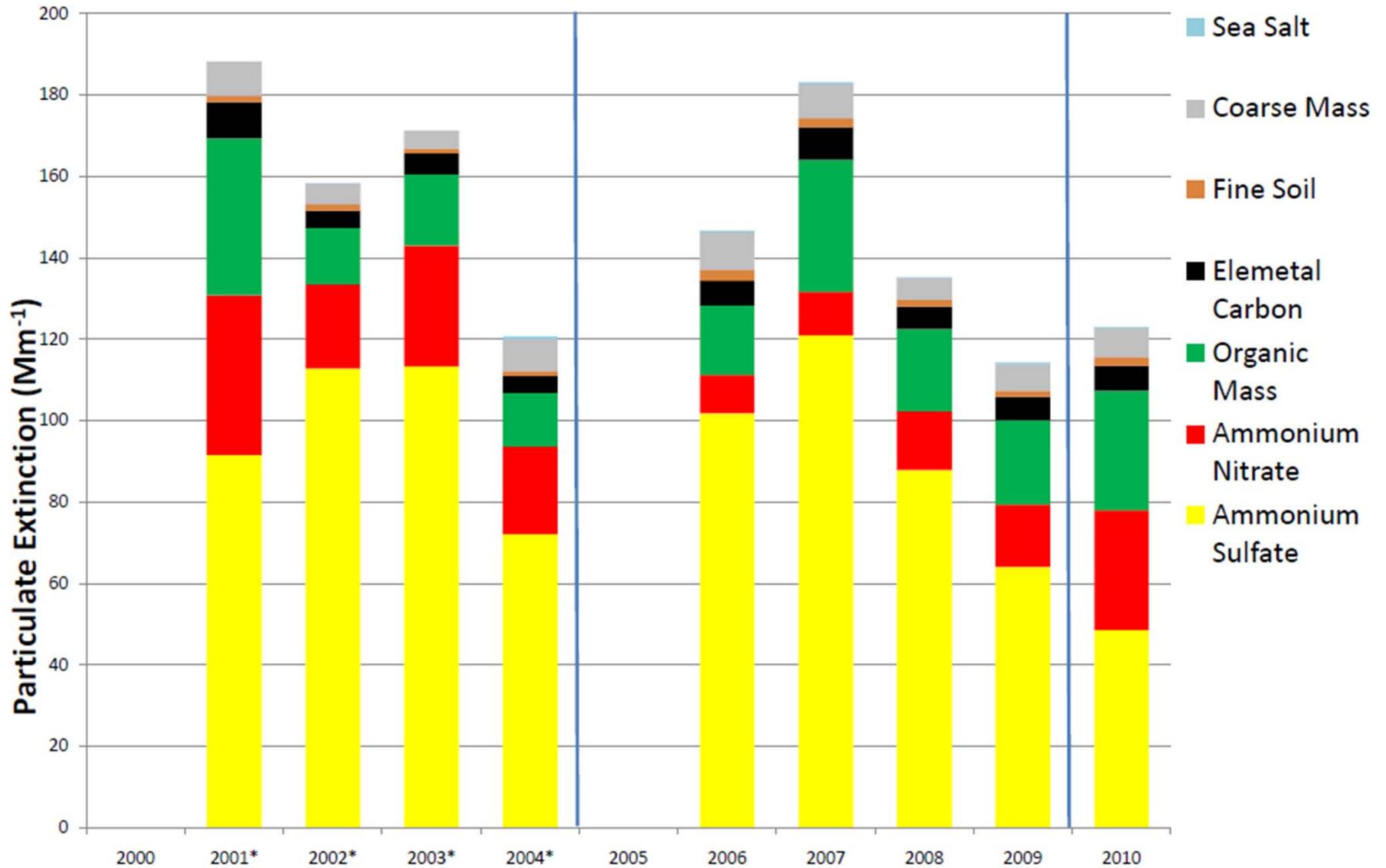
Upper Buffalo Wilderness, Arkansas

Mean of Non Rayleigh Extinction - Haziest 20% days

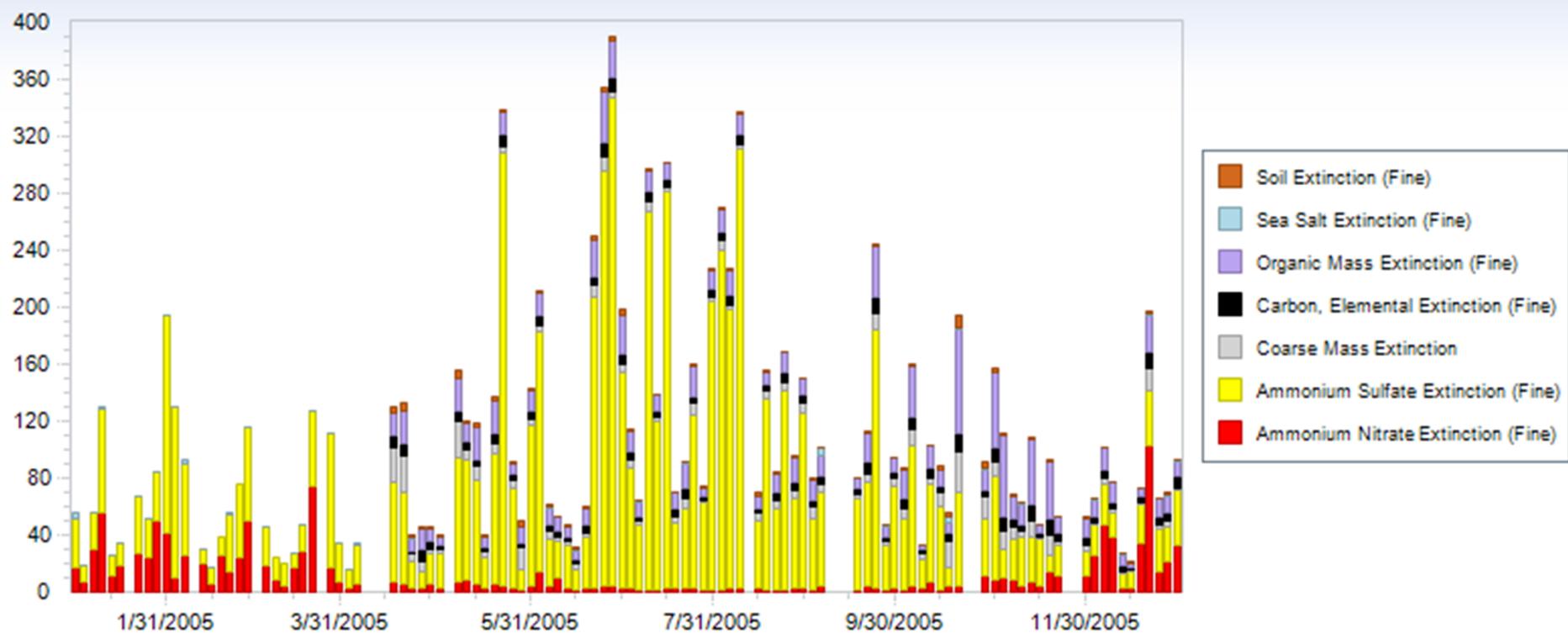


Mingo National Wildlife Refuge, Missouri

Mean of Non Rayleigh Extinction - Haziest 20% days



Mingo



Examples:

“Easy”

- Samples offset 12/24 hours
- Samples with brief power outage
- X module available
- Extinction with missing data would still be worst 20%

“Harder”

- Extinction with substitution still in best 20%
- Allow automatic substitution of any missing values subject to RMSE criteria
- Split Flows