Interagency Coordination During an Unprecedented Fire Season

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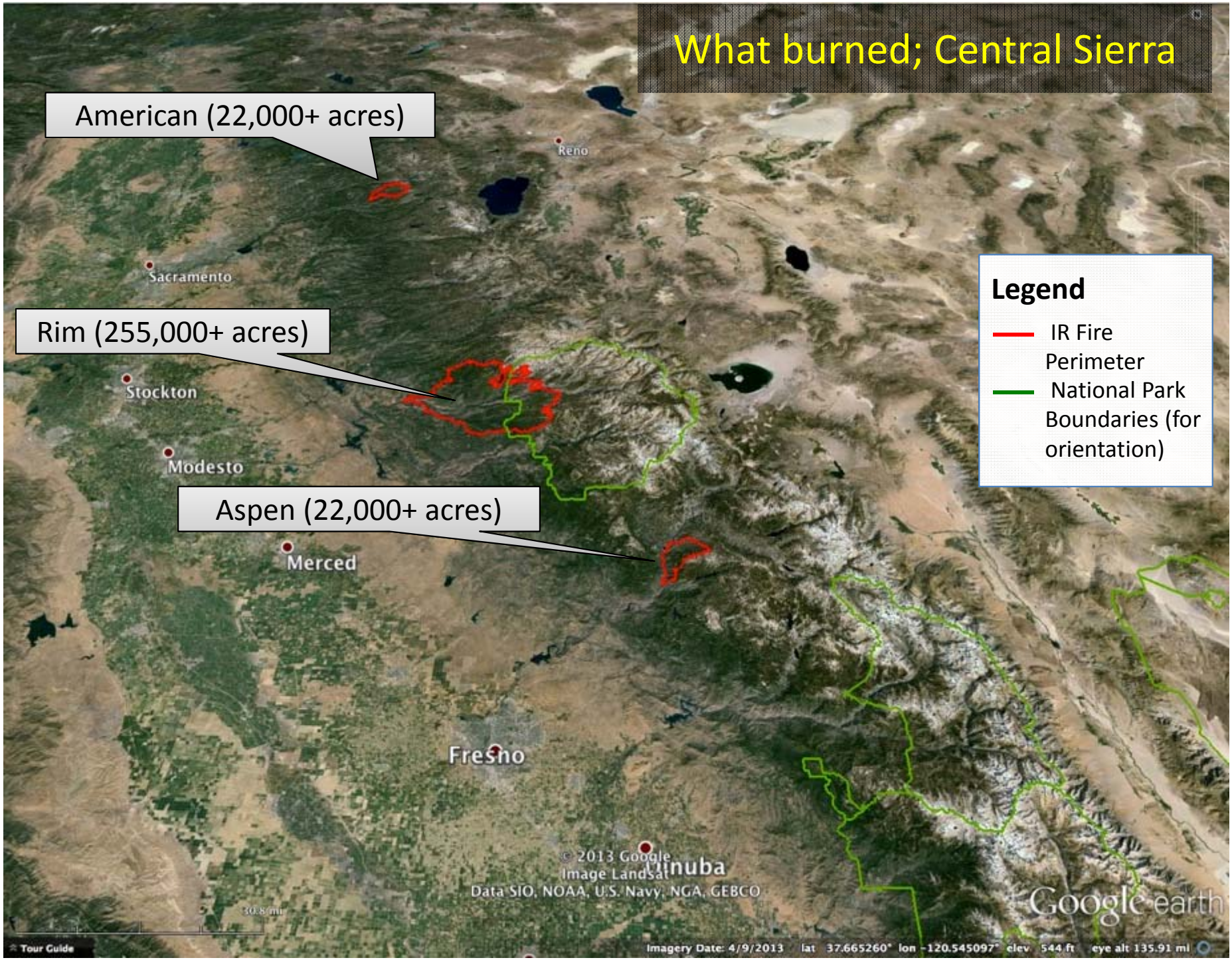
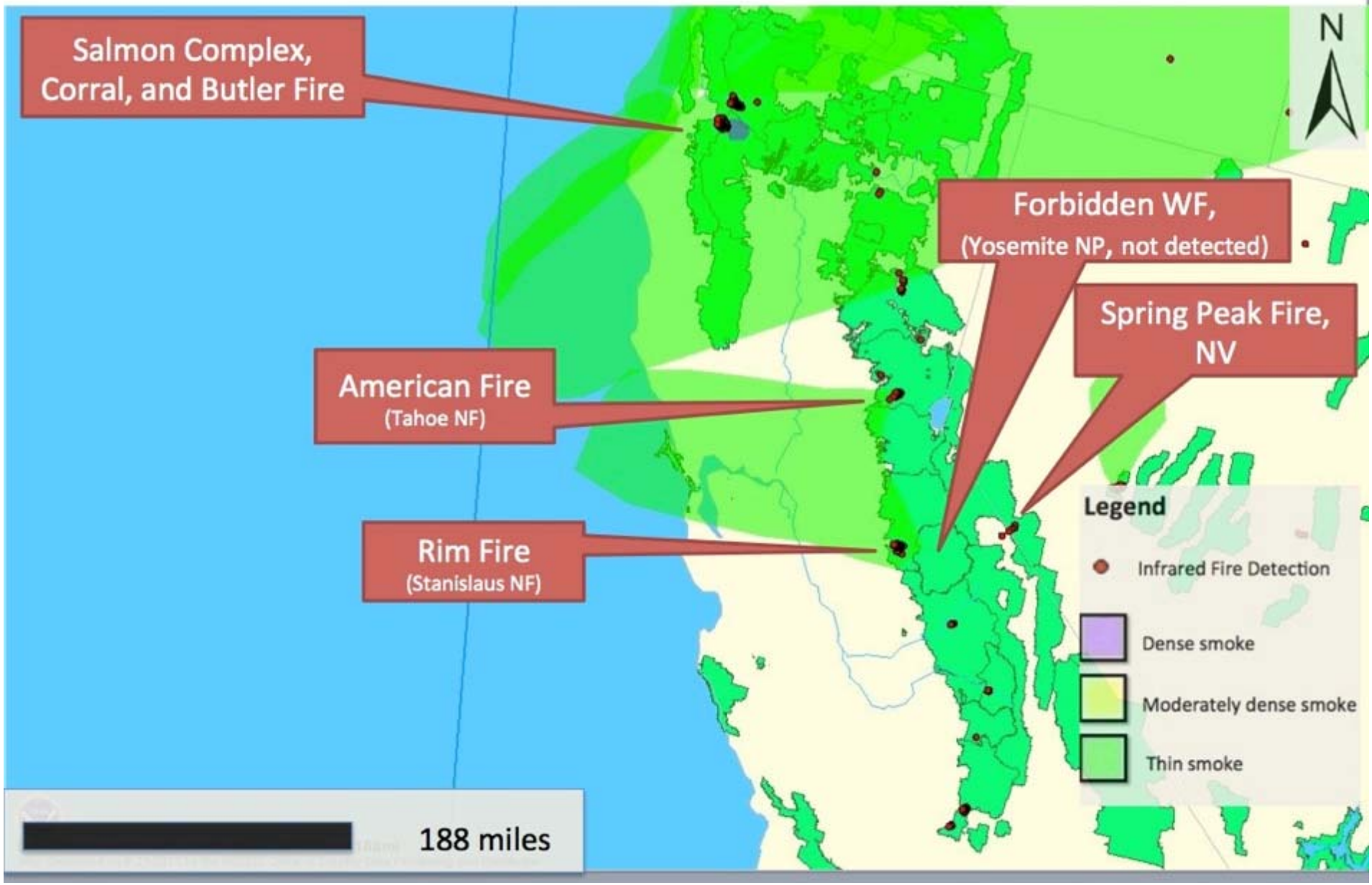
What was different about this 2013?

- Acreage on fire
- Extent of smoke impacts
- Scale and scope of smoke monitoring
- Resolution of modeling
- Integration across agencies

What burned; Central Sierra



August 20, 2013: Fires and Smoke over California (Satellite Observation)

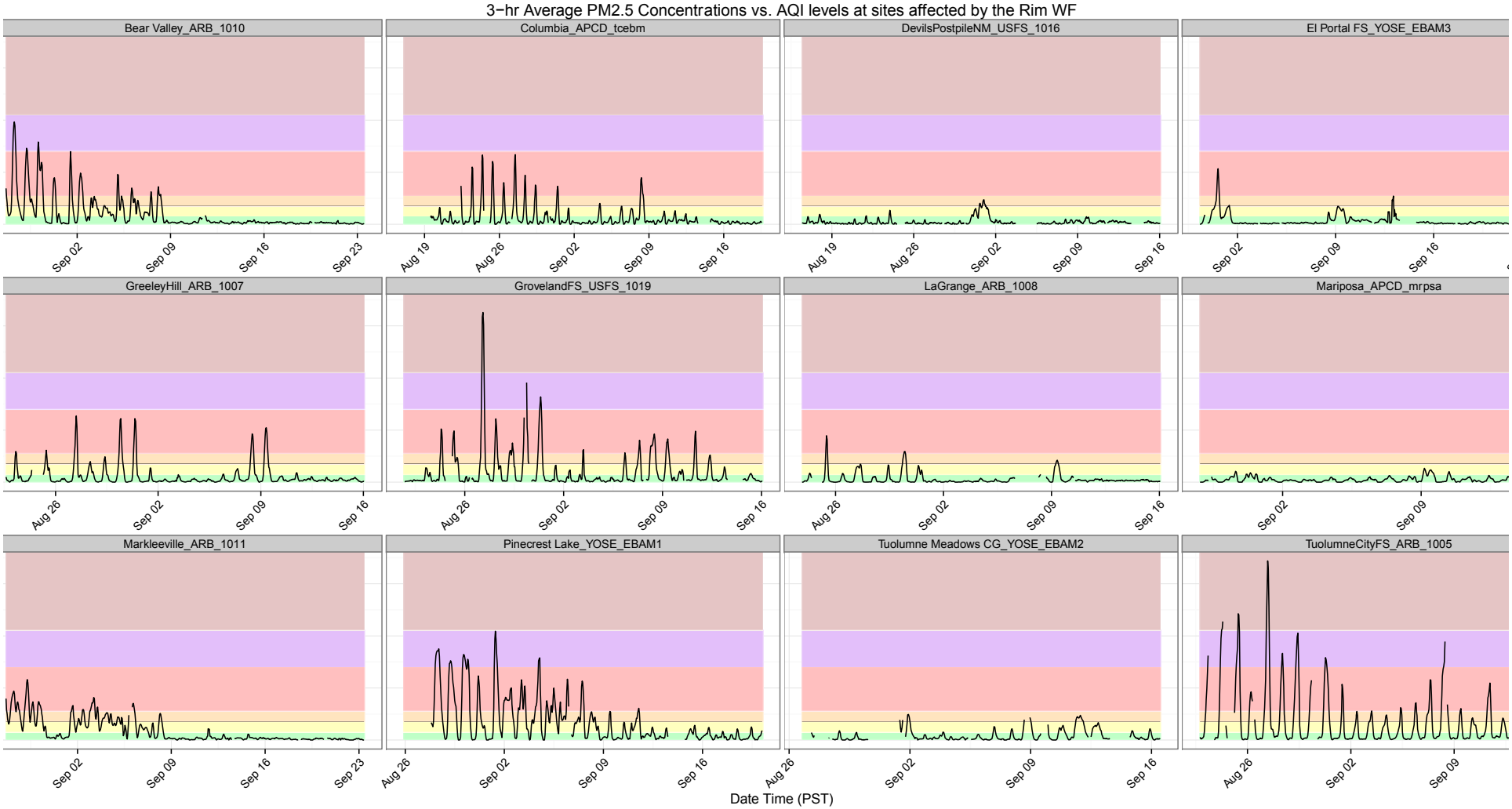


Rim and American Fire, AQ Monitoring Site Map

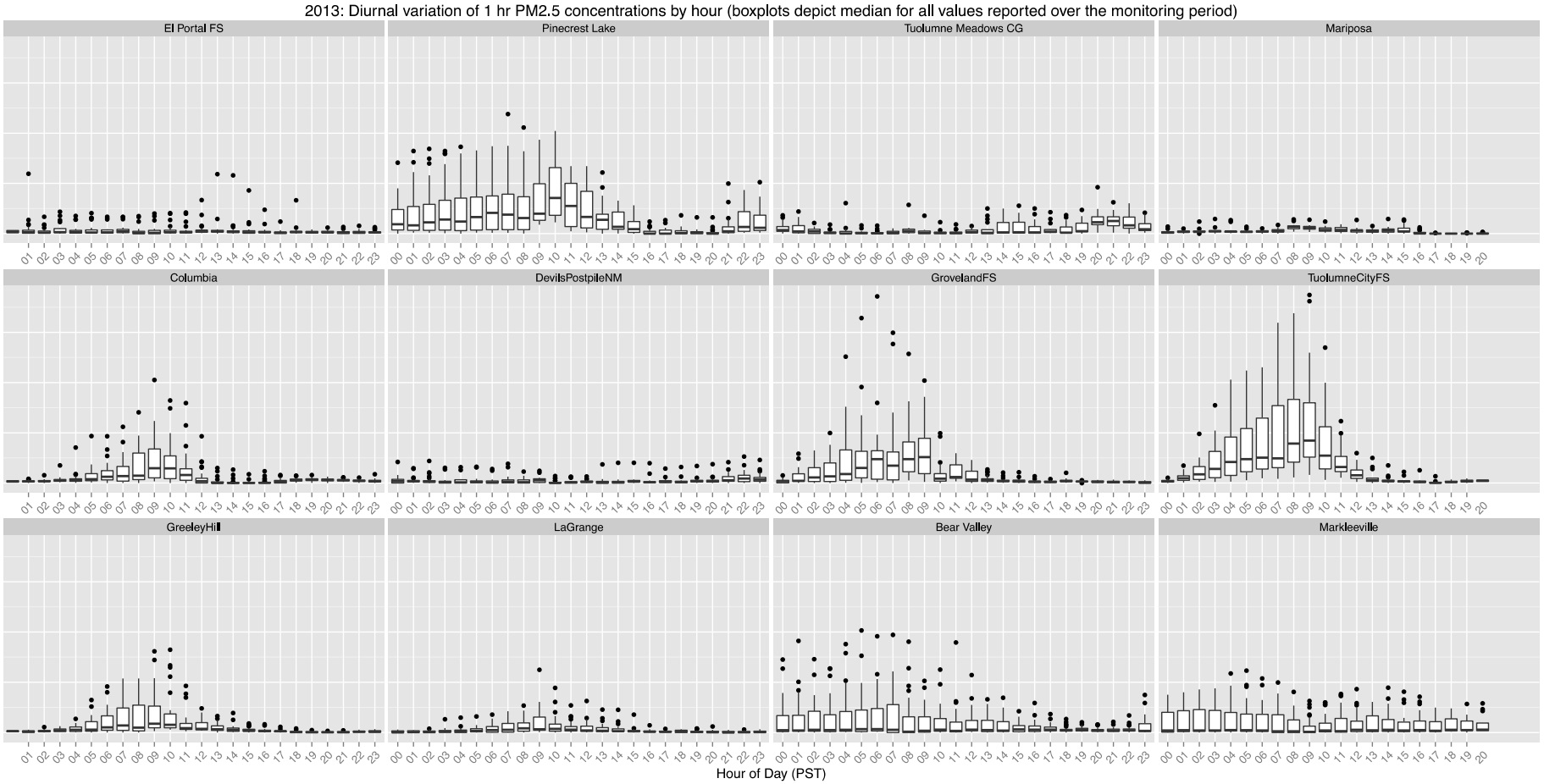
How we tackled large volumes of data

- Use scripts : analysis on the fly
- Keep metadata, and tag every monitored hour with:
  - Site
  - Instrument
  - Fire
- This year, things may be easier

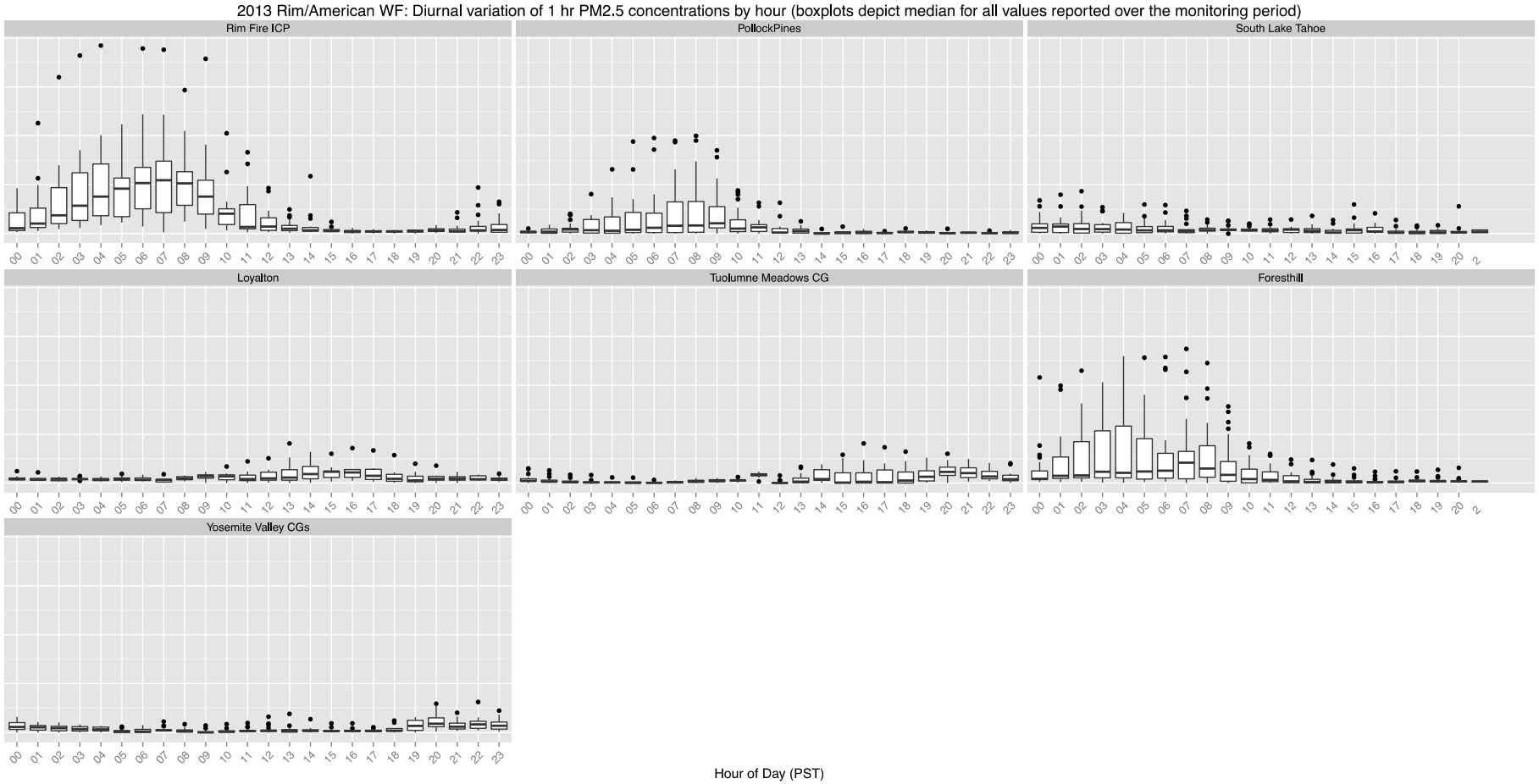
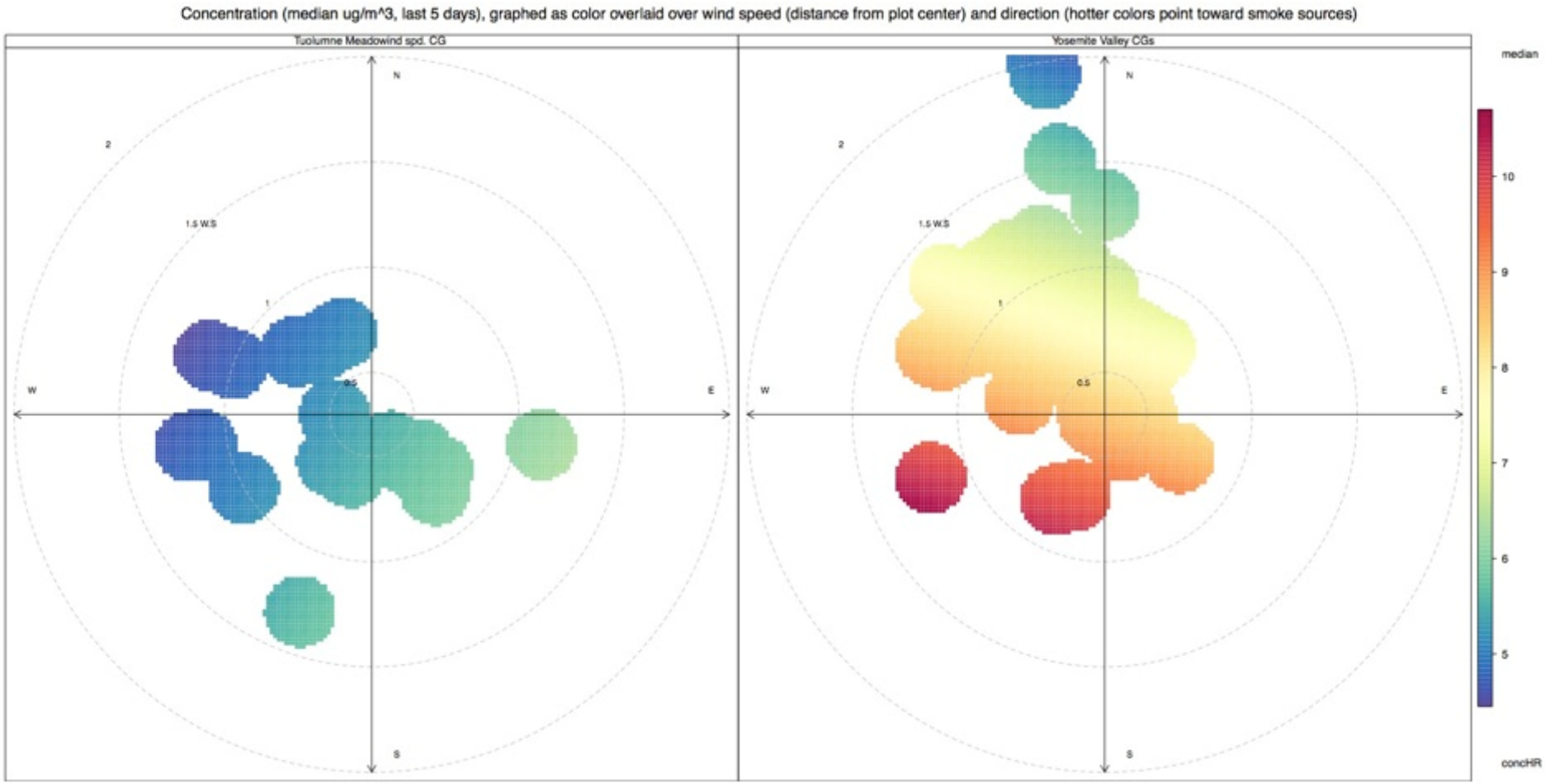
Data Visualization: Concentration



Data Visualization: Diel Variation close to the fire



Data Visualization: Diel Variation farther afield



Data Visualization: Wind Speed, Direction, and Concentration