Introduction to Scientific Questions for Aerosols

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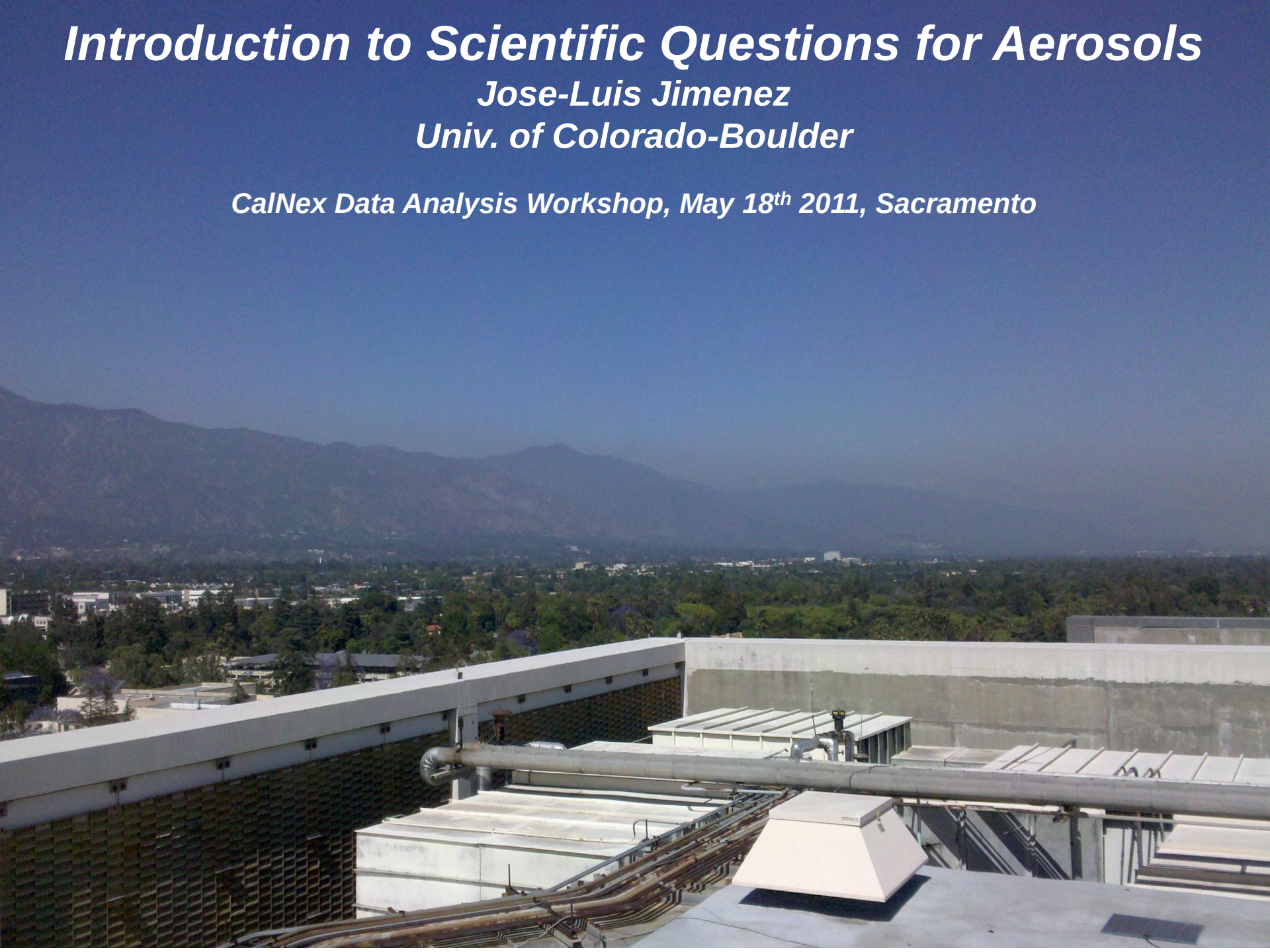
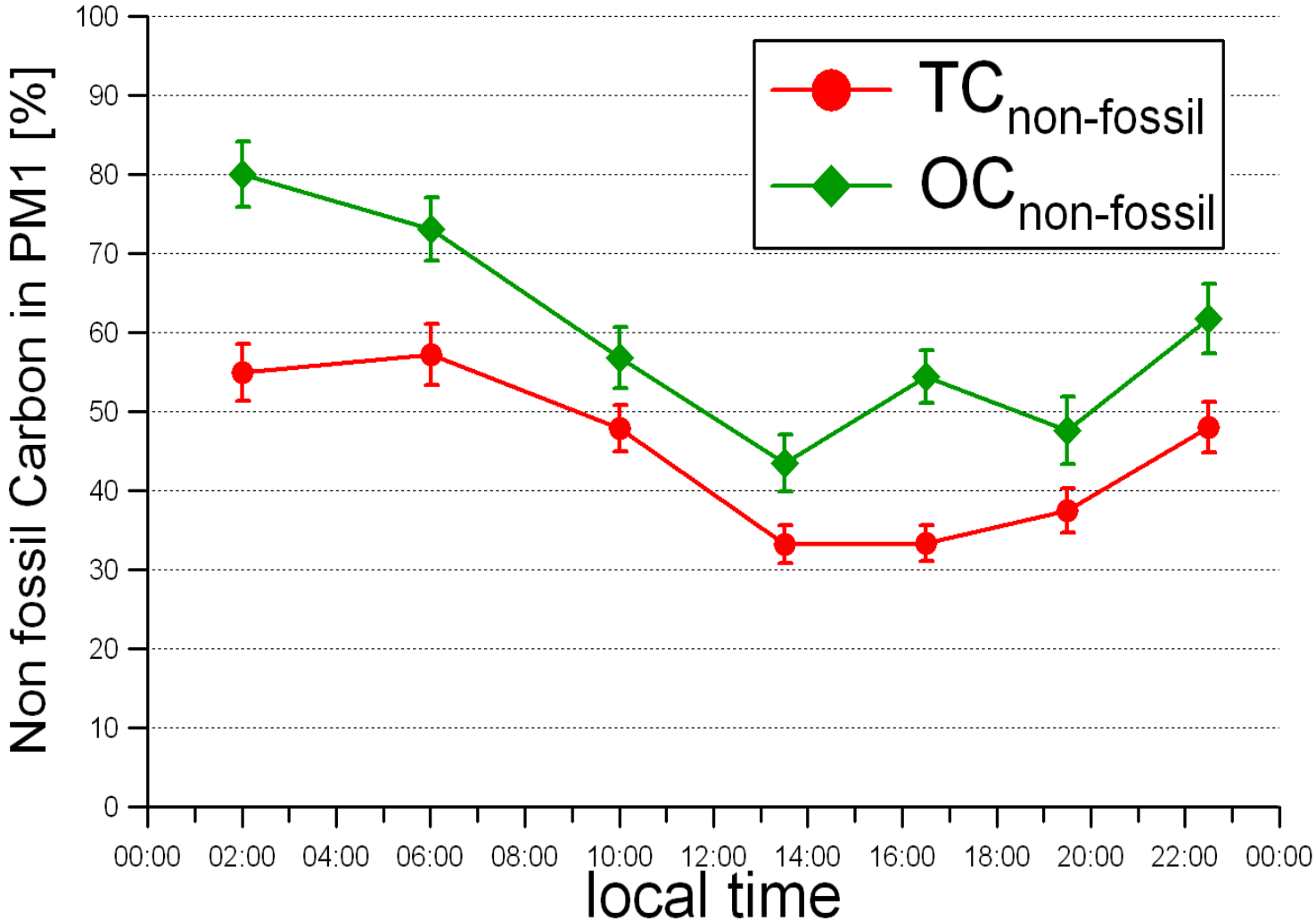


Scientific Questions for Aerosols

- Black carbon: 4 talks & 1 poster
  - harmful air pollutant, climate warming agent
  - Multiple new techniques in last decade, most in CalNex
- Aerosol radiative & cloud effects: 3 T & 6 P
- Sources of OA and SOA: 12 T & 12 P
  - Most 'traditional' and 'advanced' methods used in CalNex
  - Excellent VOC measurements (already discussed)
- Inorganic aerosols: 3 P
  - NH_3(g) and HCl, HNO_3 measurements (already disc.)
  - Dust & metals, microscopy
- Model development and testing: 1 T (yesterday)
  - Early in the process, hopefully a lot more will follow
- Outstanding datasets, need to keep analysis for sev. years

Teaser: ^{14}C Results for June 4th

Zotter & Prevot, PSI



CALNEX
LOS ANGELES