

# Findings & Conclusions

*Ozone Attainment  
Demonstration Plan  
Workshops*

*August 12-13, 2004*

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**Supervising Air Quality Planner**

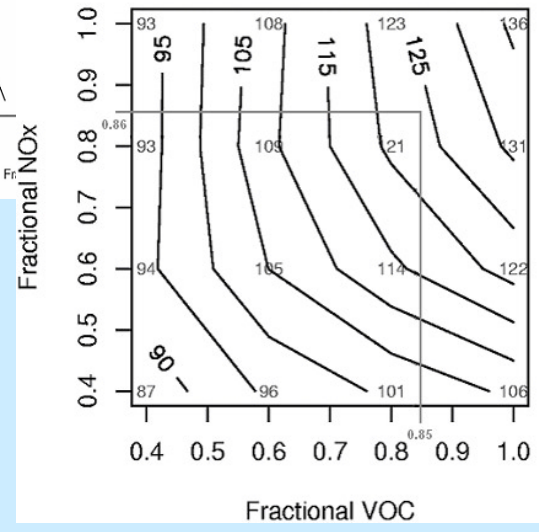
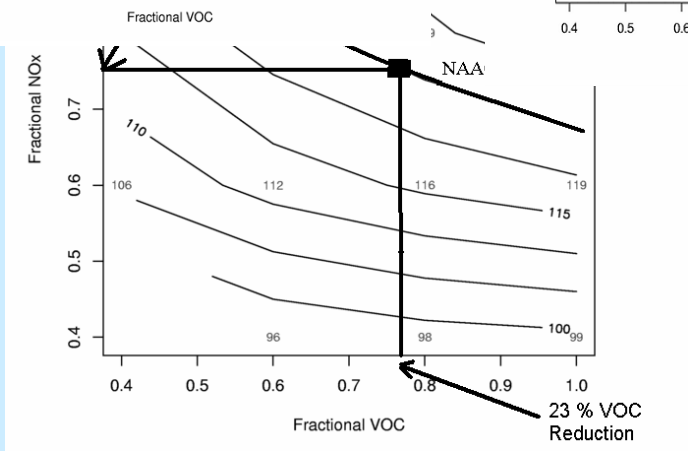
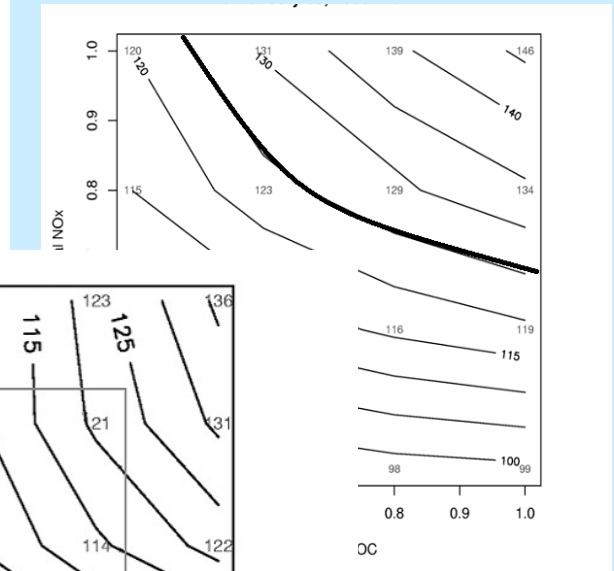
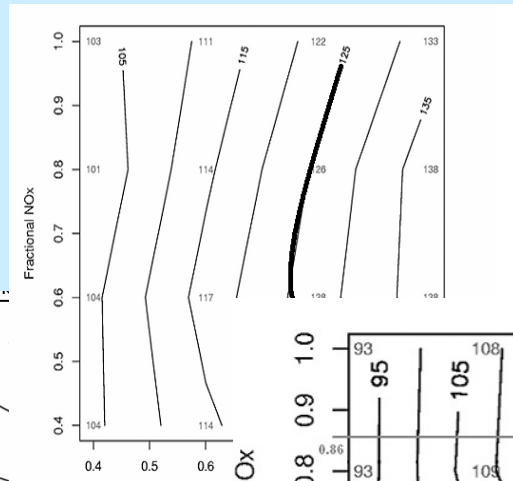
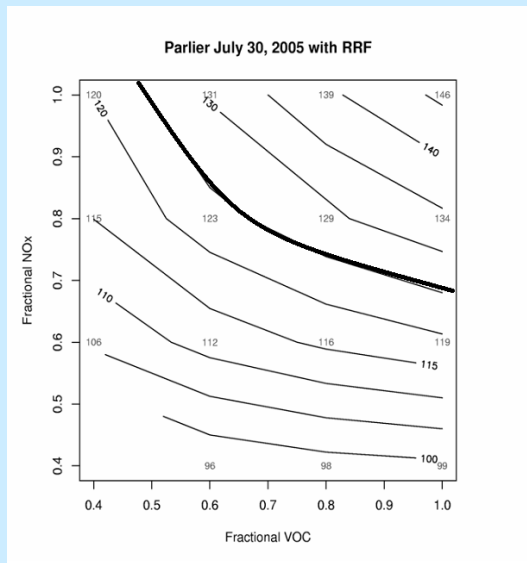


# Modeling output

- **Modelers provide a series of graphs that show predicted ozone behavior at various days and selected locations in the SJVAB as a function of emissions levels (carrying capacity diagram)**
- **Diagrams are for different days & locations**
- **Planners use this information to estimate emissions reductions needed for attainment**



# Carrying capacity diagrams



# Demonstrating attainment

- **Pick a day out of the days studied in the episode—July 30, 2000 since fire effects were minimal on this day**
- **Pick a location in the SJVAB—Bakersfield area, due to presence of predicted nonattainment and response of predicted ozone to emissions reductions**
- **These choices then zero in on one carrying capacity diagram to use in attainment demo**

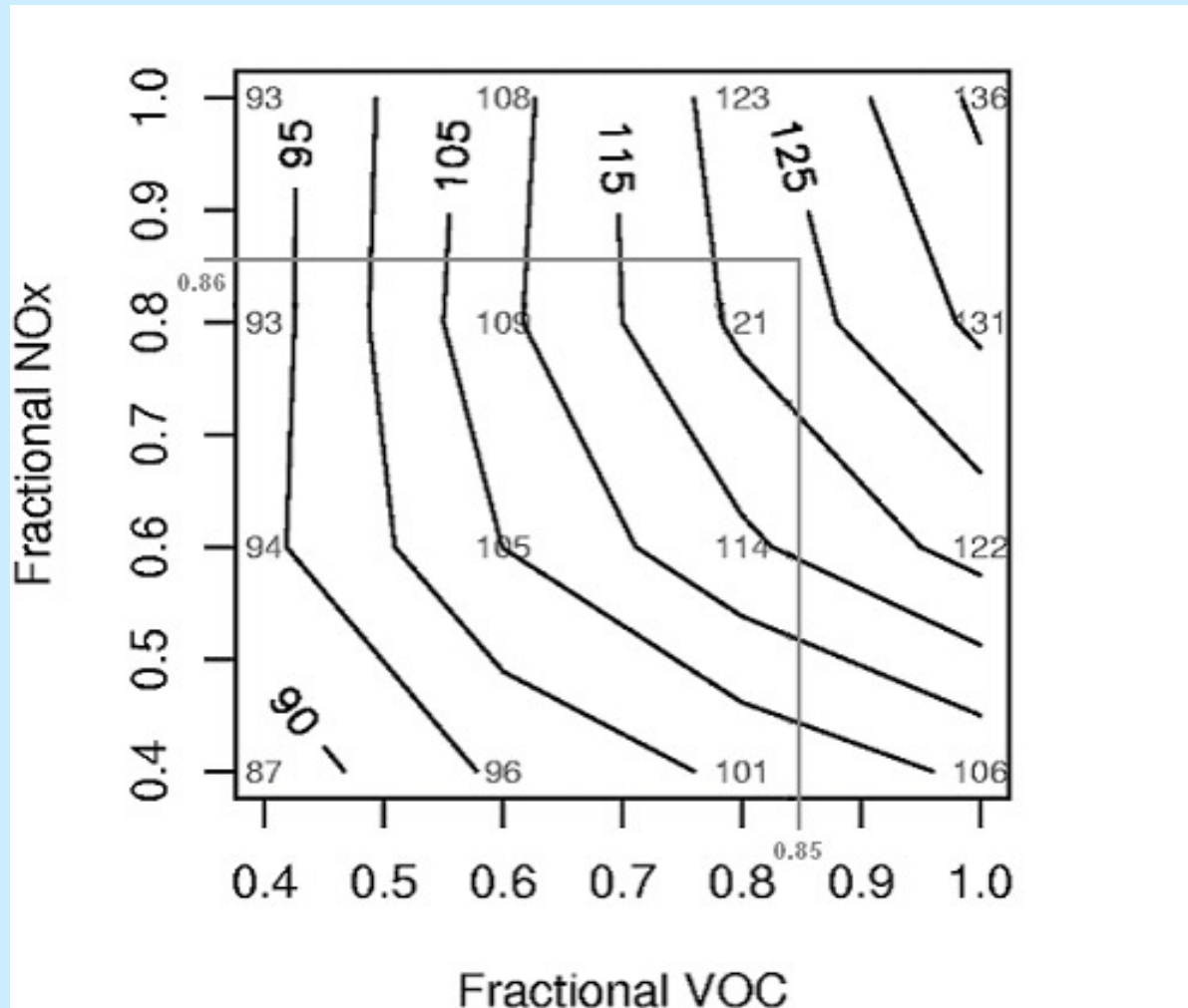


# Attainment accounting

- **Start with 2010 emissions inventory**
- **Subtract reductions from post-inventory control measures**
- **Plot adjusted inventory on carrying capacity diagram to see if in attainment**
- **Identify more control measures if needed and plot on diagram**



# Emissions reductions & attainment demonstration



# Summary

- Reducing VOC emissions to 85% of the 2010 inventory and NOx emissions to 86% of the 2010 inventory shows attainment
- Emissions reductions from *PM10 Plan + Extreme OADP + Long-Term Measures* sufficient to show attainment
- Long-Term Measures identified in future plans (2006 *PM10 Plan*, 2007 *8-hour Ozone Plan*, 2008 *PM2.5/Regional Haze Plan*)

