

TexAQS II Intensive Field Study Meeting Welcome





TexAQS II Field Study Meeting

- Study Purpose and Benefits
- Research Areas
- Time Line for Results
- Study Funding



Study Purpose and Benefits

- Better understanding of the importance of different emissions sources in the formation of ozone and particulate matter
- Document and understand transport of pollutants into and within Texas
- Acquire more accurate estimates of VOC and NO_x emissions
- Improve photochemical models through measurement of pollutants over East Texas
- Direct understanding of how and why pollution is forming without resorting to photochemical grid modeling
- Independent, objective verification of modeling results
- Acquire data to support a new photochemical modeling episode



Research Areas

- Emissions Verification and assessment
- Transport and Mixing
- Chemical Transformation
- Aerosol properties and radiative effects
- Forecast Models



Time Line for Results

- Houston/Galveston/Brazoria and Dallas/Fort Worth SIP revisions must be submitted by June 15, 2007
- For inclusion into SIPs technical results must be to TCEQ by late winter 2007 (February/early March 2007)
- TCEQ is funding a Rapid Synthesis Report to fast-track important study results into SIPs
- Additional results will become available as work is finished



Study Funding

- Texas Legislature appropriated \$5 million to TCEQ for TxAQS II
- TCEQ spending will be weighted towards data collection
- Approximately \$450,000 will reserved for analysis of results (Rapid Synthesis Report and other analysis projects)
- Main data collection projects are NOAA operations, surface monitoring network, and radar profilers