8 September Preview Rapid Science Synthesis*

Questions A, C, D, E - Emissions: Ronald Brown Data

- HVROC 2006 vs. 2000
- Oil Platform Emissions

Questions F, K - VOC vs. NOx Sensitive Photochemistry

Observation based analysis - 2006 RHB vs. 2000 Electra

Question J - Performance of O₃ and PM_{2.5} forecast models (Jim Wilczak)

Question B - Mixed Layer Heights: NOAA Twin Otter Data (Mike Hardesty)

*http://esrl.noaa.gov/csd/2006/rss/

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Questions A, C, D, E - Emissions: Ronald Brown Data Oil Platform Emissions (Hans D. Osthoff)







TexAQS 2000 Electra Flights



Sillman: Observation-based methods (OBMs)



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NOAA/Earth Systems Research Laboratory

TEXAQS 2006 Model Verification Web Page

http://www.etl.noaa.gov/programs/2006/texaqs/verification/

Jim Wilczak Irina Djalalova Stu McKeen

















EXAQS Program Model Verification 2006 - Mozilla Firefox

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📄 Posted by Stuart Stanif...

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Relationship between mixing layer depth and ozone concentrations

- Question: What is the correlation between mixing layer depth and ozone concentration?
- One might expect that a deeper mixing layer depth would be associated with reduced ozone concentrations due to dilution
- However, main sources of ozone precursors are not always associated with deepest mixing layer (e.g., ship channel)
- Transport of precursors into shallow boundary layer (e.g., over Galveston Bay) can enhance concentrations
- Airborne ozone lidar data provides data set for investigation of mixing layer depth/ ozone concentration correlations

August 14 Aerosol Backscatter and Ozone



14/15 AUG 2006



14/15 AUG 2006

August 14

Ozone

TEXAQS 14 AUG 2006

Mixed layer height

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