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**Tuesday, 24 June 2008**

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**Poster Session II**

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**Session 6P: Trace Gas Sensing for Climate and Air Quality - Poster Presentations**

**Co-Chairs: Gerhard Ehret, Pierre Flamant, Petter Weibring**

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- S06P-01** Observations of mixed layer height and ozone levels in the Houston region during TEXAQS 2006 --- *R. M. Hardesty, C. J. Senff, R. J. Alvarez, R. M. Banta, Y. Pichugina*
- S06P-02** Airborne lidar measurements of ozone flux and production downwind of Houston and Dallas --- *C. J. Senff, R. J. Alvarez II, R. M. Hardesty, R. M. Banta, L. S. Darby, A. M. Weickmann, S. P. Sandberg, D. C. Law, R. D. Marchbanks, W. A. Brewer, D. A. Merritt, J. L. Machol*
- S06P-03** Airborne lidar measurements of ozone and aerosol distributions over the Gulf of Mexico and the Eastern Pacific Ocean during the INTEX-B field experiment --- *M. A. Fenn, E. V. Browell, J. W. Hair, C. F. Butler, S. Ismail, S. A. Kooi, A. Notari, P. McClung, M. A. Avery, R. B. Pierce*
- S06P-04** Airborne lidar measurements of water vapor, ozone, clouds, and aerosols in the tropics near Central America during the TC4 experiment --- *S. Kooi, M. Fenn, S. Ismail, R. Ferrare, J. Hair, E. Browell, A. Notari, C. Butler, S. Burton, S. Simpson*
- S06P-05** DIAL Measurements of Free-Tropospheric Ozone Profiles in Huntsville, AL --- *M. Newchurch, S. Kuang, J. Burris, S. Johnson, S. Long*
- S06P-06** Seasonal variation of the tropospheric ozone vertical distribution over Tsukuba observed by a DIAL --- *M. Nakazato, T. Nagai, T. Sakai, O. Uchino, Y. Mano*
- S06P-07** Lidar, a tool to constrain the traffic Emissions: application to the LISAIR program --- *P. Chazette, V. Gros, M. Pham, J.-C. Raut, B. Bonsang, J. Sanak, M. Tombette, J. Cuesta*
- S06P-08** Development of a CO<sub>2</sub> DIAL Lidar at 1570 nm --- *J. Burris*
- S06P-09** Development of a 1.6 μm CO<sub>2</sub> DIAL transmitter using the QPM-OPO --- *D. Sakaizawa, C. Nagasawa, T. Nagai, M. Abo, Y. Shibata*
- S06P-10** Measurement of carbon dioxide using a broadband lidar --- *W. S. Heaps, E. L. Wilson, E. Georgieva*
- S06P-11** Development of 2 micron coherent differential absorption lidar --- *S. Ishii, K. Mizutani, H. Fukuoka, T. Ishikawa, H. Iwai, P. Baron, J. Mendrok, Y. Kasai, T. Aoki, A. Sato, K. Asai, T. Itabe*

- S06P-12** Airborne Carbon Dioxide Laser Absorption Spectrometer for IPDA Measurements of Tropospheric CO<sub>2</sub>: Recent Results --- *G. D. Spiers, R. T. Menzies*
- S06P-13** Airborne demonstration of 1.57-micron laser absorption spectrometer for atmospheric CO<sub>2</sub> measurements --- *E. V. Browell, M. E. Dobbs, J. Dobler, S. Kooi, Y. Choi, F. W. Harrison, B. Moore III, T. S. Zaccheo*
- S06P-14** A preliminary study of CO<sub>2</sub> flux measurements by lidar --- *F. Gibert, G. Koch, J. Beyon, T. Hilton, K. Davis, A. Andrews, S. Ismail, U. Singh*
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