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**Wednesday, 25 June 2008**

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**Session 6O: Trace Gas Sensing for Climate and Air Quality - Oral Presentations**  
**Co-Chairs: Gerhard Ehret, Pierre Flamant**

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- S06O-01**      Laser Sounder Approach for Global Measurement of Tropospheric CO<sub>2</sub> Mixing Ratio from Space --- *J. B. Abshire, H. Riris, G. Allan, S. R. Kawa, J.-P. Mao, E. Wilson, M. Stephen, M. A. Krainak, X. Sun, C. Weaver* (invited)  
9:00-9:25
- S06O-02**      Measurement of the vertical CO<sub>2</sub> profile using 1.6 $\mu$ m DIAL --- *C. Nagasawa, D. Sakaizawa, M. Abo, Y. Shibata, T. Nagai, M. Nakazato, T. Sakai*  
9:25-9:40
- S06O-03**      Airborne laser absorption spectrometer for IPDA measurements of tropospheric CO<sub>2</sub>: an assessment of atmospheric effects on attainable precision and a technique for cloud and aerosol filtering --- *R. T. Menzies, G. D. Spiers*  
9:40-9:55
- S06O-04**      Twelve Years of Lidar Studies of Stratosphere-troposphere Transport --- *T. Trickl, M. Sprenger, A. Stohl, H. Vogelmann*  
9:55-10:10
- S06O-05**      Measuring Ammonia Emissions From Manured Fields With a Mobile Lidar System --- *A. J. C. Berkhout, G. R. van der Hoff, J. B. Bergwerff, D. P. J. Swart, A. Hensen, A. Kraai, J. F. M. Huijismans, J. Mosquera, W. A. J. van Pul*  
10:10-10:25