

Geophysical Research Abstracts,  
Vol. 10, EGU2008-A-08562, 2008  
SRef-ID: 1607-7962/gra/EGU2008-A-08562  
EGU General Assembly 2008  
© Author(s) 2008



## **Progress in the assimilation of AIRS observations**

**J. Cameron** (1), A. Collard (2), S. English (1), J. Eyre (1), E. Pavelin (1), T. Sreerekha (1)

(1) Met Office, (2) ECMWF

The Atmospheric Infrared Sounder, AIRS, is a high spectral resolution infrared sounder mounted on the Aqua satellite. Observations of cloud-free fields of view over sea have been operationally assimilated at the Met Office since 26 May 2004. High peaking channels over land have been used since the 6 March 2007. A system has been developed to assimilate information from cloud affected radiances through the use of a single level grey cloud model. Channels where 90% or more of the weighting function lies above the retrieved cloud top are selected for assimilation. The system has performed well in pre-operational performance trials.