



Recent developments in the Oxford-RAL Aerosol and Cloud (ORAC) algorithm: Lessons learnt from GRAPE and GlobAEROSOL

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The Oxford-RAL Aerosol and Cloud (ORAC) algorithm is an optimal estimation retrieval scheme designed for the determination of either aerosol or cloud properties from visible-IR satellite measurements. The algorithm has been applied to the (A)ATSR record to produce a long term cloud (GRAPE) and aerosol (GlobAEROSOL) data sets. The availability of large data sets has allowed for a comprehensive analysis of the performance of the algorithm and provided insights into avenues of potential improvement.

This presentation will provide an overview of the algorithm and, with reference to the GRAPE and GlobAEROSOL products, describe ongoing work to address problem areas in its performance.