

4th workshop on assimilating satellite cloud and precipitation observations for NWP



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Cloudy IR assimilation at the Met Office

Tuesday, 4 February 2020 09:00 (25 minutes)

Work is under way at the Met Office to develop a new all-sky assimilation scheme for infrared radiances from hyperspectral sounders. The aim is to assimilate IR radiances in the majority of cloudy scenes using the multiple-scattering capabilities available in RTTOV. Using a variable observation error model, it is hoped that this will lead to both a significant increase in the usage of IR radiances and useful improvements in NWP performance. This talk will describe the background and progress so far, details of the methodology and some preliminary forecast impact experiments.

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