

## **SATELLITE DATA ASSIMILATION AT ECMWF**

*(Submitted by Stephen English)*

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### **Summary and Purpose of Document**

A short presentation will be given to highlight the current use of satellite data at ECMWF and the expected developments in the near future, with implications for ECMWF data requirements. ECMWF collaborate closely with other weather and space agencies and hence their requirements reflect very closely the requirements of a wider community, though ECMWF are known for being pioneering in the use of new observations, and consequently are tackling some issues likely to become important to other agencies in the near future. Furthermore ECMWF often take on the work to evaluate and monitor research satellite observations, and can provide feedback on these datasets. Past examples include the AIRS instrument, now used at most state of the art centres. Currently ECMWF are taking a lead on new active instruments such as EarthCARE and Aeolus. Nonetheless considerable resources are still required to maintain the existing satellite observations that have a major impact on forecast accuracy, such as the microwave sounders.

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### **ACTION PROPOSED**

The seventh session is invited to take note of the information provided in this presentation.

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