



## **AURAMS evaluation during the ICARTT Campaign**

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The International Consortium for Atmospheric Research on Transport and Transformation (ICARTT) coordinated a field experiment, during the summer of 2004, to study the emissions of aerosols and ozone precursors, their chemical transformations, and their removal during transport to and over the North Atlantic. Model forecast teams were also participating in the campaign providing support for flight planning. A substantial amount of data gathered by this intense measurement campaign (surface, upper-air, aircraft, marine-based platforms) is available to evaluate models at the regional scale. At the Meteorological Service of Canada (MSC), an experimental air-quality model, AURAMS (a size- and composition resolved PM model) was run in real-time during summer 2004. This presentation will report on model results for ozone (O<sub>3</sub>) and fine particulate matter (PM<sub>25</sub>) compared to available observations.