



## **First results from assimilation of MOPITT CO into MOCAGE CTM during ITOP experiment**

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The ITOP (Intercontinental Transport Of Pollution) experiment aimed at studying the pollution transport between US and Europe during summer 2004. During this campaign, rich CO plumes reaching Europe were captured by different instruments.

In this present study, we focus on transport of carbon monoxide (CO) measured both by MOPITT (Measurement Of Pollution In The troposphere) instrument and aircraft data (from MOZAIC experiment and instrumented aircraft) and calculated by MOCAGE (Météo-France CTM). Moreover, a version of this model capable of assimilating MOPITT CO is also used in order to help the analysis of different ITOP cases and a validation of the model for CO is discussed.