



Preliminary Results from CO and Hydrocarbon Canister Samplings Aboard the DLR Falcon During ICARTT-ITOP

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During the ICARTT-ITOP field campaign in July/August 2004 canister samplings were taken aboard the DLR-Falcon aircraft. Canisters were analyzed for CO and C₂-C₉ hydrocarbons using gaschromatographic methods. Preliminary results show significant enhancements of CO and hydrocarbons over the European continent related to north American pollution plumes. On two consecutive days (July 25 and 26) low level transport of air masses originating from the north-east US could be sampled twice, first over the Atlantic and on the second day over the English channel. This paper reports preliminary results from this event and elucidates photochemical processing of hydrocarbons on both days using selected hydrocarbon ratios and relations between CO and hydrocarbons.