

## **Flux measurement of trace gases, aerosols and energy in Mexico City during the MILAGRO 2006 field campaign**

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In 2006, the MILAGRO campaign was conducted in Mexico City. During the campaign, ambient concentrations and fluxes of various trace gases and aerosols were measured using eddy covariance methods from 42 meters above the urban landscape in west-central Mexico City. A variety of VOC's were detected using a combination of instruments, while major aerosol species were identified using an aerosol mass spectrometer (AMS). In this presentation, preliminary results acquired during the MILAGRO 2006 project will be presented in terms of VOC concentrations and fluxes measured using the disjunct eddy accumulation (DEA) method with GC-FID analyses and the eddy covariance (EC) method with PTR-MS detection. Energy and CO<sub>2</sub> fluxes were also measured during the campaign. Initial concentration results from the AMS operation will also be presented.