

Measurements of gases and particle optical properties during MILAGRO campaign at T1 site.

Castro T, Universidad Nacional Autonoma de Mexico, Salcido A Instituto de Investigaciones Electricas, Saavedra Ma I. Universidad Nacional Autonoma de Mexico, Garcia J Universidad Nacional Autonoma de Mexico. Ramos R. Secretaria del Medio Ambiente GDF, Retama A Secretaria del Medio Ambiente, GDF, Celada A Instituto de Investigaciones Electricas, Martinez A. P. Instituto Nacional de Ecologia (CENICA)

Telma Castro, Universidad Nacional Autonoma de Mexico, telma@servidor.unam.mx

Pollutants emitted in the Mexico City Metropolitan Area (MCMA) not only stay inside it, but also can be transported by the wind and travel to some other places.

For a better understanding upon this possible transport, a field campaign to measure atmospheric pollutants was carried out in Mexico during March. Data presented in this paper, were obtained with instruments located at the Technological University of Tecamac (T1 site, MILAGRO campaign). This University is located at the Tecamac municipality in the State of Mexico, 30 Km at north from Mexico City which coordinates are: latitude $19^{\circ} 43$ N and longitude $98^{\circ} 58$ W, at an altitude of 2,340 m above sea level.

Specifically, concentrations of CO, NO₂, O₃ and SO₂ were measured, besides the physical properties of particles as: concentration, absorption and scattering coefficients. Some days were analyzed in which a notorious influence from the city to T1 site can be observed.