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**Basin-Scale Lagrangian Transport and Meteorological Episodes during MILAGRO.**

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Five episode types are identified during the MILAGRO field campaign representing different wind transport patterns in the MCMA basin. These are used to evaluate the potential for Lagrangian experiments and to analyse possible source and impact regions in and around the basin. Data from March 2006 is compared to local climatology using 7 years of radiosonde data from the Mexican National Weather Service (SMN) and 10 years of surface monitoring data from RAMA. Cluster analysis reveals dominant patterns and year to year variations in the meteorology.