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Press Release

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**December 14 - 18, 2009, in San Francisco, CA:** Tech-X Corporation invites you to visit us in **Booth 532**, at the American Geophysical Union Fall Meeting ([AGU](#)).

We will be demonstrating the [Remote Data Toolkit](#), which allows seamless access to remote data with IDL.

We will also be demonstrating [VORPAL](#), our highly-configurable multiphysics simulation application for modeling the interaction of matter with electromagnetic fields, and [GPULib](#), our library of mathematical kernels for GPU computing.

Please visit the Poster Hall on **Monday, from 8:00AM - 12:20PM**, where Dr. David Fillmore will be discussing:

Session Title: A11C. Multisensor and Model Aerosol Data Intercomparison and Integration I Posters  
CERES-SARB Aerosol Dataset

D. W. Fillmore

1. Tech-X Corporation, Boulder, CO, USA.

We describe a daily ten-year (2000 - present) aerosol analysis based on the assimilation of MODIS Collection V aerosol optical depth and the aerosol transport model MATCH (Model for Atmospheric Transport and Chemistry). This model, in conjunction with MODIS, will provide the aerosol fields for the CERES SARB (Surface Atmosphere Radiation Budget) Edition III surface and atmosphere radiative flux calculations. Regional and global biases in the aerosol fields are assessed through comparisons to AERONET and MISR derived aerosol optical depths. We also examine the effects of the MODIS Deep Blue retrieval algorithm on the analyzed aerosol fields.