

Data Product Standardization for NASA's EOS Aura Mission

by

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2002 AGU Fall Meeting
San Francisco, California
6-10 December 2002

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Abstract: The four instruments - HIRDLS, MLS, OMI, and TES - aboard NASA's Earth Observing System (EOS) Aura will make important contributions to atmospheric chemistry and climate change research. To promote cross-platform synergy and to make data easier to use in general, the Aura instrument teams are standardizing their Level 2 data products, as much as possible. While the Hierarchical Data Format for EOS (HDF-EOS) constrains HDF with its POINT, SWATH and GRID implementations, it is still possible to create two files that are completely different and would require dramatically different readers. By adhering to a more rigid standard, Aura instrument teams are attempting to aid satellite-wide data usability. An overview of the Aura HDF-EOS File Format Guidelines will be presented, and the features which ease data use will be highlighted.