IMAPP: Software to Transform EOS Direct Broadcast Data into Science Products

Kathleen Strabala, Liam Gumley, Allen Huang, Elisabeth Weisz, and Jun Huang

The International Moderate Resolution Imaging Spectroradiometer / Atmospheric Infrared Sounder (MODIS/AIRS) Processing Package (IMAPP) provides users with EOS satellite Terra and Aqua direct broadcast antennae the capability to create environmental products from the downlinked raw data. This effort is funded by NASA and freely distributed by the Cooperative Institute for Meteorological Satellite Studies (CIMSS) at the University of Wisconsin-Madison. This presentation will include a description of the current suite of MODIS, AMSR-E and AIRS science product software packages concentrating on the recent release of a completely repackaged MODIS Level 2 suite as well as a number of IMAPP product applications. Funding for this effort has been renewed through 2010; a number of new products including synergistic MODIS/AIRS retrieval algorithms and numerical weather prediction models that assimilate IMAPP products will be included in future package releases.

INTERNATIONAL

ATOVS

WORKING GROUP

Proceedings of the

Sixteenth International

TOVS Study Conference

Angra dos Reis, Brazil

7-13 May 2008

Sharing ideas, plans and
techniques to study
the earth's weather and climate
using space-based observations