## MODIS MOD07 Temperature, Moisture, and Ozone products: Recent Updates and Validation



VISCONSIN

GOES 8

land and sea

Éva E. Borbás<sup>1</sup>, Suzanne Wetzel Seemann<sup>1</sup>, Gordon Stephenson<sup>1</sup>, Anikó Kern<sup>3</sup>, Jun Li<sup>1</sup> and W. Paul Menzel<sup>2</sup>



<sup>1</sup>Cooperative Institute for Meteorological Satellite Studies (CIMSS), University of Wisconsin-Madison, WI <sup>2</sup>NOAA/NESDIS Office of Research Applications, Madison, WI

<sup>3</sup>Eötvös Lóránd University, Budapest, Hungary



IR TPW algorithms had approximately the same RMS when compared with radiosonde (2.3mm) and ECMWF (2.6mm), although the NIR algorithm showed a larger bias. The Near-IR products are

available only over land and day time; the MOD07 products are available all day and night and over

- and H-1 et al. 2004: International MODIS and AIRS Processing Package (IMAPP): A direct broadcast software package for the NASA Farth Description System. Bull. Of the American Markor Locasing Facinge (men. F). Public to the destate Series participation of the Veck Latter Observing System. Bull. Of the American Markor. 65, 062, 163-161.
  Tobin, D. C., H. E. Revercomb, R. O. Knuteson, B. M. Lesht, L. L. Strow, S. E. Hannon, W. F. Feltz, L. A. Moy, E. J. Fetzer, and T. S. Cress 2006:
- Atmospheric Radiation Measurement site atmospheric state best estimates for Atmospheric Infrared Sounder temperature and water vapor retrieva validation. J. Geophys. Res., 111, D09S14, doi:10.1029/2005JD006103.
- cknowledgements: This work was supported by NASA (NNG04HZ39C).