

Evaluating the Accuracy of the Far-infrared Spectral Observations, Water Vapor Measurements, and the Radiative Transfer Model in Extremely Dry, Clear-sky Periods During RHUBC-II

David Turner^{1,2}, Aronne Merrelli², Dan Vimont², Maria Cadeddu³, Eli Mlawer⁴, Jennifer Delamere⁴, David Tobin², Bob Knuteson², Luca Palchetti⁵, Giovanni Bianchini⁵, Marty Mlynczak⁶, Richard Cageao⁶, and David Johnson⁶

¹NOAA National Severe Storms Laboratory, ²University of Wisconsin-Madison, ³Argonne National Laboratory, ⁴Atmospheric & Environmental Research, Inc., ⁵Instituto di Fisica Applicata, Italy, ⁶NASA Langley Research Center

