3D4.2 5353

Improving Cloud and Moisture Representation by Assimilating **GOES Sounder Products into Analyses for NWP**



Jordan J. Gerth

Model Evaluation Tools (MET) v3 used for

The verification subset was chosen to discount any boundary condition influences from the results. In addition, the GOES Sounder does not scan above 50° N (approximately).

For point verification, approximately 70 GPS-TPW sites are within the red box.

95'W 90'W ding at 20111008 12 UTC

95'W 90'W

Model

statistics

55"W 90"W 85"W ing at 20111008 12 UTC within red b

Model MAE (GPS)

Stage II Observation (Obs) 105'W 100'W 95'W 90'W 85'W 85'W

1.58 🗹

1.87

42"N -

38°N

36"N

WRFZ

WREX

42"N

38°N

36°N

mm 80°W

E

CRAS-12 For

40°N

34"N



