RADIOSONDE_SPECIFIC_HUMIDITY (North America) EAMv0 (20 members) EAMv0 (80 members) # of observations (x 10³) # of observations (x 10³) 6 3 0 3 9 12 15 18 0 6 9 12 15 18 Assimilated Assimilated bias (0.12) bias (0.14) Possible *Possible rmse (0.64) rmse (0.67) 10 100 200 Pressure (hPa) 300 **400 $\square *$ $\square *$ 500 600 \mathbb{R} \square 700 *850 \square * \square *

1000

0.0

0.3 0.6

0.9

1.2

RMSE and Bias

00Z 05 -- 00Z 19 Dec. 2010

1.5

1.8

0.3 0.6 0.9

0.0

1.2

RMSE and Bias

00Z 05 -- 00Z 19 Dec. 2010

1.5

1.8