

Storm-scale Radar Data Assimilation Workshop

Monday 17 October – Tuesday 18 October
National Weather Center, 120 David L. Boren Blvd.
Norman, Oklahoma
Room 3910

Monday, 17 October 2011

8:00 am – Coffee

8:30 am – Welcome and Introductions (Dave Stensrud, NSSL)

Session 1: Assimilation Successes and Needed Improvements

Session Chair: Ming Xue, CAPS

8:45 am – Jenny Sun (NCAR), VDRAS

9:15 am – Allen Zhao (NRL), 3DVAR at NRL

9:45 am – Mingjing Tong and Shun Liu (NCEP/EMC), NCEP assimilation and plans

10:15 am – BREAK

10:45 am – Glen Romine (NCAR), EnKF at NCAR

11:15 am – Fuqing Zhang (Penn State), EnKF at Penn State

11:45 am – DISCUSSION (Ming Xue) – Technique issues

12:15 – LUNCH in NWC Atrium

1:30 pm – Steve Weygandt (ESRL/GSD), Radar data assimilation in real-time operations

2:00 pm – Ming Xue (CAPS), CAPS real-time radar data assimilation

2:30 pm – Jidong Gao (NSSL), 3DVAR and Hybrid 3DVAR results

3:00 pm – BREAK

3:30 pm – Lou Wicker (NSSL), EnKF at NSSL

4:00 pm – Lenny Smith (LSE), New data assimilation methods

4:30 pm – DISCUSSION (Ming Xue) – Technique issues revisited

5:17 pm – Adjourn for the day

Tuesday, 18 October 2011

8:00 am – Coffee

Session 2: Radar Data and Quality Control

Session Chair: David Dowell (ESRL/GSD)

8:30 am – Don Burgess (CIMMS), Introduction to dual-pol WSR-88D

9:00 am – Keith Brewster and Youngsun Jung (CAPS), Real-time radar data quality control and dual-pol verification

9:30 am – Kevin Manross (NSSL), Radar data quality control

10:00 am – BREAK

10:30 am – Corey Potvin (NRC), EnKF and dual-Doppler analysis comparison

11:00 am – Jim Marquis (Penn State), Experiences with high-resolution EnKF storm analysis

11:30 am - DISCUSSION (David Dowell) – Data issues

12:15 – LUNCH in NWC Atrium

Session 3: Model Error Issues

Session Chair: Dave Stensrud

1:30 pm – Youngsun Jung (CAPS), Model error issues

2:00 pm – David Dowell and Curtis Alexander (ESRL/GSD), Model error issues

2:30 pm – Chris Snyder (NCAR), Model error and predictability

3:00 pm – Dave Stensrud (NSSL), A perspective on model error

3:30 – DISCUSSION (Dave Stensrud) – Model error issues and path forward

5:00 Adjourn