WRF Data Assimilation Working Group Meeting

1300-1700, June 25, 2012

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| 13:00 | Shuyi S. Chen, Ronald Gordon, Patricia Sanchez, Xiang-Yu Huang and Xin Zhang | Assimilation of Hurricane Inner Core 3D winds using WRF 4DVar |
| 13:15 | Gael Descombes | Modeling of the Background Error Statistics |
| 13:30 | Hongli Wang and Thomas Auligne | Addressing nonlinearities in the observation operator for satellite cloud-affected radiances |
| 13:45 | Yubao Liu, Yonghui Wu, Linlin Pan, Al Bourgeois, Jason Knievel, Scott Swerdlin, Xin Zhang, Xiang-Yu Huang, John Pace, Frank Gallagher, and Scott Halvorson | Development of the WRF-based 4D-REKF FDDA System and Comparison with RTFDDA, DART-EnKF and WRFVAR with an "OSSE" study |
| 14:00 | Kathryn Newman, Z. Liu, C. Schwartz, H. Shao, X.-Y. Huang | Impact of AMSU-B and MHS Radiance Assimilation for Regional EnKF |
| 14:15 | Craig Schwartz, Zhiquan Liu, Chris Snyder, and So-young Ha | Sensitivity of Tropical Cyclone Forecasts to Microwave Radiance Data Assimilation with WRF/DART |
| 14:45 | Break |  |
| 15:00 | Hui-Chuan Lin and Zhiquan Liu | Assimilating MODIS Aerosol-Sensitive Radiances using WRF-Chem and GSI |
| 15:15 | Chunhua Zhou, Hui Shao, Ming Hu, Ligia Bernardet, Xiang-Yu Huang and Brian Etherton | Improved Hurricane Forecast through GSI-Hybrid data assimilation: A case study |
| 15:30 | Thomas Auligne | Assimilation of Cloud-affected Infrared Satellite Radiances |
| 15:45 | Zhaoxia Pu | Dealing with variable terrain and diurnal variations in surface data assimilation |
| 16:00 | Ólafur Rögnvaldsson | Application of Kalman Filtering to the Forecasting of Volcanic Ash |
| 16:15 | Open discussion |  |
| 17:00 | End |  |