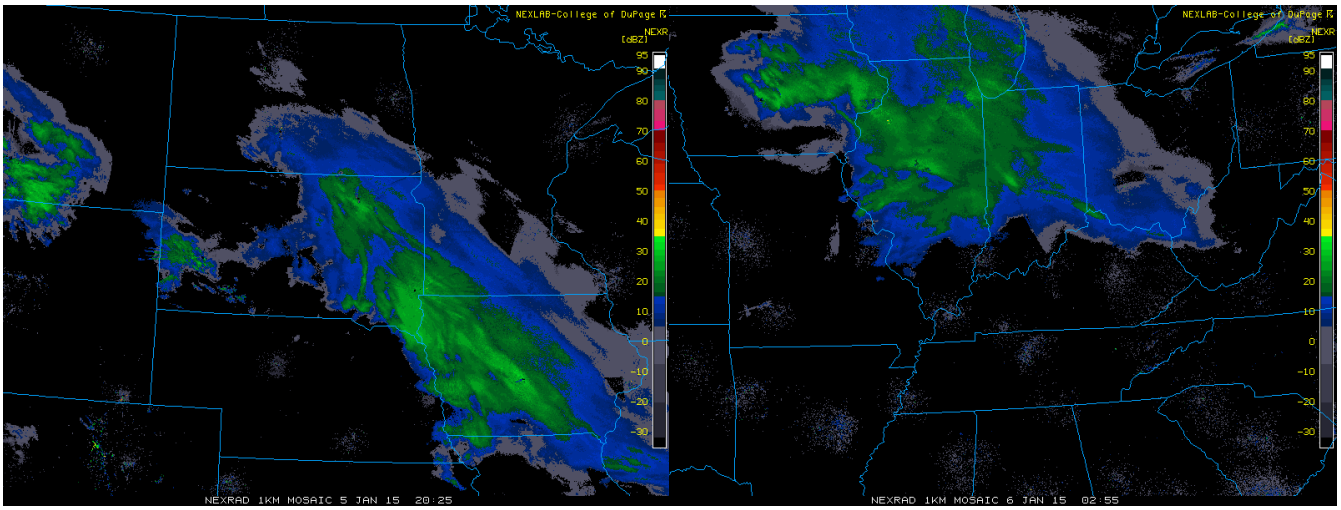
20150105

Description

This was a clipper type system resulting in a broader band of snow but very intense snowfall rates. I (Phil) was on mids so I woke up around noon and looked outside and could only see 1/4 mi. That rate lasted for 2 or 3 hours in SiouxFalls. This event was fairly well forecast by the operational models, including HiRes WRF and NMM - all predicted a band at least 48 h out. The location was somewhat uncertain. I believe total snowfall was generally 4-7".



WRF Domain

Initializations to run:

- 20150105 00 UTC
- 20150105 12 UTC

Hourly output out to 48 hours

Data pull

INIT_DATA

- GFS (0.25 degree) - Not available for this date
- GFS (0.5 degree) - pulled, on YS and RAMADDA
- NAM (grid 218)
- HRRR - pulled, on RAMADDA

OBS/RAW/PRECIP_OBS

- CCPA
- MRMS (gcorr, ptype, prate, reflec)
    - Gauge-corrected NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/mrms_gcorr
    - Precip type NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/mrms_ptype
    - Precip rate NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/mrms_prate
    - Comp reflectivity NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/mrms_compref

OBS/RAW/RADAR_OBS

- NCEP radar mosaic

OBS/RAW/POINT_OBS

- NDAS prepbufr
    - NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/ndas
    - Processed: yslogin3:/glade/p/ral/jnt/MMET/OBS/NDAS_03h
        - Ran: yslogin3:/glade/p/ral/jnt/MMET/scripts/gen_pb2nc_cmds_3h_ndas.sh and run_pb2nc_cmds_3h_NDAS_all.sh to process native NDAS pb files (run pb2nc and rename appropriately)
- RAP prepbufr:
    - NATIVE: yslogin3:/glade/p/ral/jnt/MMET/OBS/NATIVE/rap_pb
    - Processed: Do we want to pre-process or run pb2nc in the script?

Data on RAMADDA

- GFS 0.5 degree
- HRRR (additional inits)