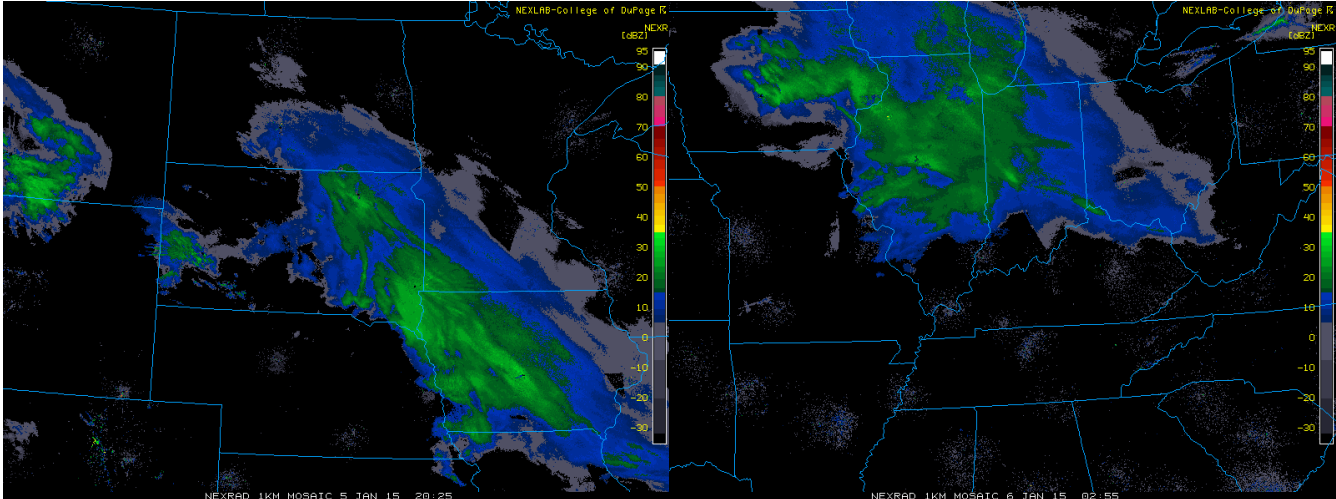


# 20150105

## 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 Sioux Falls. 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, reflc)
  - 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 prepbuf:
  - 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 prepbuf:
  - 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)