20150322

Description

This was a narrow and intense band of heavy snowfall that extended from northeast South Dakota through southern Minnesota (gave MSP 5"), and far southern Wisconsin. Maximum amounts were 10"+ in isolated regions of southeast MN. Temperatures remained near-freezing, which caused much of the precipitation that was forecast to fall as rain, fall as snow instead. This band was not as well forecast days in advance but I recall that there was evidence of banding at least 24 h out in the NMM and/or WRF ARW as well as in a couple of the larger scale models. A window to get HRRR runs would be 06Z 22 March - 06Z 23 March.

blocked URL

WRF Domain

Initializations to run:

- 20150322 00 UTC
- 20150322 12 UTC?

Hourly output out to 48 hours

Data pull

INIT_DATA

- GFS (0.25 degree) - pulled, on YS and RAMADDA
- NAM (grid 218)
- HRRR - only 2015032212 pulled, on RAMADDA

OBS/RAW/PRECIP_OBS

- 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?

Put relevant data on mandan-> RAMADDA