“Storm of the Century” (SOC) experiment Part 2 (Using NARR)
ATM 419/563 – Fovell – Spring 2024

Log onto headnode7
- mkdir SOC2
- cd SOC2
- cp $LAB/SOC/SETUP.TAR .
- tar –xvf SETUP.TAR
- sh make_all_links_SNOW.sh
- cp ..:/SOC/geo_em.d01.nc .
- cp Vtable.NARR Vtable

EDIT namelist.wps for
- interval_seconds = 10800
- &ungrib: prefix = ‘NARR’
- &metgrid: fg_name = ‘NARR’
  Move “/” line AFTER “constants_name” line!!!!!!!

- link_grib.csh $LAB/DATA/NARR_199303/merged*.

- sbatch –p snow submit_ungrig
  [CHECK tail ungrig.log for “Successful completion...”]

- sbatch –p snow submit_metgrid
  [CHECK tail metgrid.srun.out for “Successful completion...”]
  [CHECK for num_metgrid_levels and num_metgrid_soil_levels]

- ncdump -h met_em.d01.1993-03-12_12:00:00.nc | more

EDIT namelist.input
- Make sure metgrid levels set correctly
- Make sure fdda = 0
- Make sure skebs = 0
- Make sure perturb_bdy = 0
- interval_seconds = 10800
- p_top_requested = 10000 [was 1000]

- sbatch –p snow submit_real
  [USE trsl TO CHECK. Make sure last line is SUCCESS COMPLETE]

- sbatch –p snow submit_wrf
  [USE trsl TO CHECK. Make sure last line is SUCCESS COMPLETE]

- sh analyze.sh

If you are not able to reproduce my numbers, make sure the constants_name
section of namelist.wps is correct, and rerun metgrid.exe