"Storm of the Century" (SOC) experiment Part 2 (Using NARR)

ATM 419/563 – Fovell – Fall 2024

- `mkdir SOC2`
- `cd SOC2`
- `cp $LAB/SOC/SETUP.TAR .`
- `tar -xvf SETUP.TAR`
- `sh make_all_links.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 burst-daes submit_ungrib`
- `[CHECK tail ungrib.log for "Successful completion…"]`

- `sbatch -p burst-daes 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 burst-daes submit_real`
- `[USE trsl TO CHECK.  Make sure last line is SUCCESS COMPLETE]`
- `sbatch -p burst-daes submit_wrf`
- `[USE trsl TO CHECK.  Make sure last line is SUCCESS COMPLETE]`
- `source doncl.sh`
- `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`**