Execução do WRF

GRADE (./geogrid.exe)

Na pasta ../WRFv.4.6.1/DOMAINS:

../WRFv4.6.1/DOMAINS# source ~/.bashrc

Crie uma pasta nova a cada experimento:

../WRFv4.6.1/DOMAINS# mkdir GRADE\_TEST

cd ../WRFv4.6.1/DOMAINS/GRADE\_TEST#

Crie os domínios de grade no site: <https://jiririchter.github.io/WRFDomainWizard/>

Copie e cole as informações de grade nos arquivos namelist.input e namelist.wps

Alguns modelos de namelists:

namelist.input: Best Practices

<https://www2.mmm.ucar.edu/wrf/users/namelist_best_prac_wrf.html>

namelist.wps: Best Practices

<https://www2.mmm.ucar.edu/wrf/users/namelist_best_prac_wps.html>

após configurar os namelists copie-os para GRADE\_TEST:

mv namelist.wps namelist.input ../WRFv4.6.1/DOMAINS/GRADE\_TEST

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS/geogrid/geogrid.exe .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS /geogrid/GEOGRID.TBL .

Pré processamento (./ungrid.exe & ./metgrid.exe)

cd ../WRFv4.6.1/DOMAINS/GRADE\_TEST#

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS/ungrib.exe .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS/metgrid.exe .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS /metgrid/METGRID.TBL.ARW METGRID.TBL

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WPS/ungrib/Variable\_Tables/Vtable.GFS Vtable

./ungrib.exe

./metgrid.exe

Processamento (./real.exe e ./wrf.exe)

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/CAMtr\_volume\_mixing\_ratio .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/\*DATA\* .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/\*.TBL .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/tr\* .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/\*.bin .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/ozone\* .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/real.exe .

../GRADE\_TEST /# ln -sf ../WRFv4.6.1/WRF/run/wrf.exe .

./real.exe

Para especificar o número de núcleos a utilizar na execução do WRF:

mpiexec -np 4 ./wrf.exe