Final steps dataset and RTTOV

CM	☐
Class	Simulador
Created	@Apr 21, 2021 4:54 PM
Materials	
Property	
Type	

1. 3D
    1. cdo -selvar,cli,clw,clc,hus,qr,qs,pres,ta 3d_coarse_day_ll_DOM03_ML_20130502T090000Z.nc variables3D-rttov.nc
    2. ncwa -a time variables3D-rttov.nc 3D.nc
2. 2D
    1. cdo -selvar,t_s,u_10m,v_10m,ps 2d_surface_day_DOM03_ML_20130502T090000Z.nc variables2D-rttov.nc
    2. ncwa -a height_2 variables2D-rttov.nc 2D.nc lo hice en poorgafile
    3. cdo -P 8 remapnn,myGridDef -setgrid,/work/bb1036/b381362/dataset/hdcp2_de_default_nest_R0156m.nc -selname,v_10m,u_10m,t_s,ps /work/bb1036/b381362/dataset/2D.nc /work/bb1036/b381362/dataset/2D_grid.nc
    4. ncwa -a time 2D_grid.nc 2D_vf.nc
3. Landmask
    1. cdo -P 8 remapnn,myGridDef -setgrid,/work/bb1036/b381362/dataset/hdcp2_de_default_nest_R0156m.nc -selname,FR_LAND /work/bb1036/b381362/dataset/extpar_hdcp2_de_default_nest_R0156m.nc /work/bb1036/b381362/dataset/landmask_grid.nc
4. z_ifc,z_mc,topography_c
    1. cdo -P 8 remapnn,myGridDef -setgrid,/poorgafile1/climate/dipu/forces/analysis/GRID/hdcp2_de_default_nest_R0156m.nc -selname,z_ifc,z_mc,topography_c

/poorgafile1/climate/hdcp2/GRID_default_3d_fine_DOM03_ML.nc
/home/jvillarreal/GRID_DOM3.nc

2. check notebook —-pasar a .py
3. scp GRID_DOM3_new.nc b381362@mistral.dkrz.de:/work/bb1036/b381362/dataset

5. cdo -O -f nc merge 3D.nc 2D_vf.nc landmask_grid.nc GRID_DOM3_new.nc input_test_rttov.nc
6. ncks -d lon,5.,6. -d lat,48.,50. input_test_rttov.nc test-rttov.nc %Npoint=182*59=10738
7. change the name in github/Retrievals/ML_RTTOV/src/main/ml_rttov.f90
8. source ~/.bashrc
9. conda activate phd
10. cd github/Retrievals/ML_RTTOV/
11. module load intel
12. make
13. ./ml_rttov

En el final use the function to compare

create a bash of this and with all the dataset