

Wikiprint Book

Title: WRF4G Tutorial part 2

Subject: TracMeteo - WRF4GTutorial2

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In this second part of WRF4G tutorial we are going to see how to manage WRF4G errors. In order to do that,

```
[user@mycomputer~]$ cd $WRF4G_LOCATION/experiments

[user@mycomputer~]$ ls
single_test  wrfuc_physics  wrfuc_single_serial

[user@mycomputer~]$ cp -r single_test single_test_1

[user@mycomputer~]$ cd single_test_1

[user@mycomputer~]$ cat experiment.wrf4g | grep experiment_name
experiment_name = "test"

[user@mycomputer~]$ cat experiment.wrf4g | grep "end_date "
end_date       = "2011-08-30_00:00:00"

[user@mycomputer~]$ cat experiment.wrf4g | grep experiment_name
experiment_name = "test_2"

[user@mycomputer~]$ cat experiment.wrf4g | grep "end_date "
end_date       = "2011-08-30_12:00:00"

[user@mycomputer~]$ wrf4g_prepare
Warning: You are using resources.wrf4g located in the /home/carlos/WRF4G/experiments/single_test_1 directory.
Preparing namelist...
WRFV3/run/namelist.input
WRF Check Warning: CAM radiation selected but paerlev/levsiz/cam_abs_dim1/cam_abs_dim2 was not set. Fixing...
WRF Check Warning: radt is shorter than dx (0.500000)

---> Single params run
---> Continuous run
    ---> cycle_chunks: test_1 2011-08-28_12:00:00 2011-08-30_12:00:00
        ---> chunks 1: test_1 2011-08-28_12:00:00 2011-08-29_00:00:00
        ---> chunks 2: test_1 2011-08-29_00:00:00 2011-08-29_12:00:00
        ---> chunks 3: test_1 2011-08-29_12:00:00 2011-08-30_00:00:00
        ---> chunks 4: test_1 2011-08-30_00:00:00 2011-08-30_12:00:00

[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks  Comp.Res  WN      Run.Sta  ext  %
test             2   D  3/3    mycomputer ciclon  Finished  0 100.00
test_1          -   P  0/4    -          -       Prepared  -  0.00

[user@mycomputer~]$ wrf4g_submit
Submitting realization: "test_1"
    Submitting Chunk 1: 2011-08-28_12:00:00 2011-08-29_00:00:00
    Submitting Chunk 2: 2011-08-29_00:00:00 2011-08-29_12:00:00
    Submitting Chunk 3: 2011-08-29_12:00:00 2011-08-30_00:00:00
    Submitting Chunk 4: 2011-08-30_00:00:00 2011-08-30_12:00:00

[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks  Comp.Res  WN      Run.Sta  ext  %
test             2   D  3/3    mycomputer ciclon  Finished  0 100.00
test_1          4   R  2/4    mycomputer ciclon  WRF       -  25.00

[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks  Comp.Res  WN      Run.Sta  ext  %
test             2   D  3/3    mycomputer ciclon  Finished  0 100.00
test_1          5   W  3/4    -          -       Submitted -  50.00

[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks  Comp.Res  WN      Run.Sta  ext  %
test             2   D  3/3    mycomputer ciclon  Finished  0 100.00
```

```
test_1          6    W  4/4  -      -      Submitted      - 75.00
[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks Comp.Res  WN      Run.Sta      ext  %
test             2    D  3/3  mycomputer ciclón  Finished      0 100.00
test_1          6    W  4/4  -      -      Submitted      - 75.00
[user@mycomputer~]$ wrf4g_status --long
Realization      GW  Stat Chunks Comp.Res  WN      Run.Sta      ext  %
test             2    D  3/3  mycomputer ciclón  Finished      0 100.00
test_1          6    F  4/4  mycomputer ciclón  Failed        62 75.00
```