















Dashboard ufs-weather-model ort-docker-pipeline Pull Requests (8) PR-1794 #3

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-  Git Build Data
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-  Rebuild
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Console Output

Skipping 1,128 KB.. [Full Log](#)

```
+ cp /home/builder/ufs-weather-model/tests/parm/noahmptable.tbl .
+ [[ false == .true. ]]
+ cp /home/builder/ufs-weather-model/tests/parm/fd_nems.yaml fd_nems.yaml
+ source ./fv3_run
++ rm -rf INPUT RESTART
++ mkdir INPUT RESTART
```

```
++ rsync -arv /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_regional/INPUT/.  
INPUT/.  
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/CCN_ACTIVATE.BIN .  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m01.nc  
aeroclim.m01.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m02.nc  
aeroclim.m02.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m03.nc  
aeroclim.m03.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m04.nc  
aeroclim.m04.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m05.nc  
aeroclim.m05.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m06.nc  
aeroclim.m06.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m07.nc  
aeroclim.m07.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m08.nc  
aeroclim.m08.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m09.nc  
aeroclim.m09.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m10.nc  
aeroclim.m10.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m12.nc  
aeroclim.m11.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m12.nc  
aeroclim.m12.nc  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_BC.v1_3.dat optics_BC.dat  
++ cp /home/builder/data/NEMSFv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_DU.v15_3.dat optics_DU.dat  
++ cp /home/builder/data/NEMSFv3gfs/input-data-
```

```

20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_OC.v1_3.dat optics_OC.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_SS.v3_3.dat optics_SS.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_SU.v1_3.dat optics_SU.dat
++ '[' .false. = .true.  ]'
++ '[' .false. = .true.  ]'
++ [[ lam = \l\a\m ]]
++ cp /home/builder/ufs-weather-model/tests/parm/post_itag_fv3lam itag
++ cp /home/builder/ufs-weather-model/tests/parm/postxconfig-NT-fv3lam.txt postxconfig-
NT.txt
++ cp /home/builder/ufs-weather-model/tests/parm/postxconfig-NT-fv3lam.txt postxconfig-
NT_FH00.txt
++ cp /home/builder/ufs-weather-model/tests/parm/params_grib2_tbl_new
params_grib2_tbl_new
+ [[ .false. == .true.  ]]
+ [[ .false. == .true.  ]]
+ [[ false = \t\r\u\e ]]
+ [[ false = \t\r\u\e ]]
+ [[ false = \t\r\u\e ]]
+ [[ Q != Q ]]
+ [[ .false. == .true.  ]]
+ [[ false = \t\r\u\e ]]
+ [[ false = \t\r\u\e ]]
+ TPN=40
+ (( TASKS < TPN ))
+ export TPN
+ NODES=3
+ (( NODES * TPN < TASKS ))
+ export NODES
+ TASKS=120
+ export TASKS
+ [[ none = \p\b\s ]]
+ [[ none = \s\l\u\r\m ]]
+ [[ none = \l\s\f ]]
+ export OMP_ENV=
+ OMP_ENV=
+ [[ none = \n\o\n\e ]]
+ ulimit -s unlimited
+ [[ true = \t\r\u\e ]]
+ eval mpiexec -n 120 ./fv3.exe
++ tee err
++ mpiexec -n 120 ./fv3.exe
'dcp'] + [[ false = false ]]

```



```
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK
```

```
The total amount of wall time                = 1132.469302
The maximum resident set size (KB)          = 1236744
```

Test dcp control_p8_gnu PASS

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_gnu_std_base
Checking test std_base control_p8_gnu results ....
Moving baseline std_base control_p8_gnu files ....
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
```

```
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1119.927598
The maximum resident set size (KB)     = 1237840
```

Test std_base control_p8_gnu PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:41m:04s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

```

Post stage
[Pipeline] sh
'dcp'] ++ docker image ls
++ grep -E -m1 ci-test-weather
++ awk '{ print $3 }'
+ docker rmi -f 9db9f9266476
Untagged: ci-test-weather:latest
Deleted: sha256:9db9f926647675376e9cb11b80535352b33fbf4bac5c100c6776e4745bc811d8
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 7b27d07d379a
Untagged: noaaepic/input-data:20221101
Untagged: noaaepic/input-
data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7
Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49
Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'mpi'] + [[ false = false ]]
+ check_results
+ '[' -o xtrace ']'
+ set_x='set -x'
+ set +x
+ [[ none != \n\o\n\e ]]
+ [[ false = true ]]
++ date +%s
+ echo ' 1690383681, 4'
+ [[ false = true ]]
+ elapsed=1139
+ echo 'Elapsed time 1139 seconds. Test control_p8_gnu'
+ '[' 0 -eq 0 ']'
cat: '/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/compile_*_time.log': No such file or directory

baseline dir =

```

```
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_gnu_mpi
Checking test mpi control_p8_gnu results ....
Comparing sfcf000.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK
```



```
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1124.205907
The maximum resident set size (KB)      = 1241796
```

Test mpi control_p8_gnu PASS

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_gnu_std_base
Checking test std_base control_p8_gnu results ....
Moving baseline std_base control_p8_gnu files ....
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
```

```
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1149.408962
The maximum resident set size (KB)     = 1239816
```

Test std_base control_p8_gnu PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:41m:10s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

```
'mpi'] ++ docker image ls
```

```
++ grep -E -m1 ci-test-weather
```

```
++ awk '{ print $3 }'
```

```
+ docker rmi -f 51a0c48f996c
```

```
Untagged: ci-test-weather:latest
```

```
Deleted: sha256:51a0c48f996ce0ddba0ca020e71e275741f3724168b2b14b4c967eb7b8de3fee
```

```
++ docker image ls
```

```
++ grep -E -m1 noaaepic
```

```
++ awk '{ print $3 }'
```

```
+ docker rmi -f 7b27d07d379a
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7
```

```
Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49
```

```
Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
```

'thr']

```
WARNING from PE      3: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      4: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      5: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      7: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      8: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE     19: atmos_modeldefine_blocks_packed: domain ( 32 18) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE     71: atmos_modeldefine_blocks_packed: domain ( 32 17) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 12
```

```
WARNING from PE     76: atmos_modeldefine_blocks_packed: domain ( 32 17) is not an even
divisor with definition ( 28) - blocks will not be uniform with a remainder of 12
```

WARNING from PE 83: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 88: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 0: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 6: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 9: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 10: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 11: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 16: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 17: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 18: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 20: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 24: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 25: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 26: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 64: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 65: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 66: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 68: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 69: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 72: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 74: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 75: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 78: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 79: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 80: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 82: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 84: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 85: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 86: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 87: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 89: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 90: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 91: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 93: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 97: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 21: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 96: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 70: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 104: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 105: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 106: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 107: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 108: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 109: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 22: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 23: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 73: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 67: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 98: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 1: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 94: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 95: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 77: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 2: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 12: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 13: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 14: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 15: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 27: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 28: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 29: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 30: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 31: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 32: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 33: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 34: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 35: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 36: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 37: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 38: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 39: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 40: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 41: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 42: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 43: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 44: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 45: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 46: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 47: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 48: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 49: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 50: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 51: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 52: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 53: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 54: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 55: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 56: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 57: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 58: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 59: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 8

WARNING from PE 60: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 61: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 81: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 92: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 99: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 100: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 101: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 102: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 103: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 62: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

WARNING from PE 63: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 12

'rst'] Memuse(MB) at Memory HiWaterMark= 5.915E+02 6.437E+02

1.043E+01 6.011E+02

+ [[false = false]]

+ check_results

+ '[' -o xtrace ']

+ set_x='set -x'

+ set +x

+ [[none != \n\o\n\e]]

+ [[false = true]]

++ date +%s

+ echo ' 1690384670, 5'

+ [[false = true]]

+ elapsed=3172

+ echo 'Elapsed time 3172 seconds. Test cpld_control_nowave_noaero_p8_gnu'

+ '[' 0 -eq 0 ']

Running test for rst

THRD: 1; INPES: 2; JNPES: 2; TPN: 40

+ echo PID=31718

+ SECONDS=0

+ trap '["\$?" -eq 0] || write_fail_test' EXIT

+ trap 'echo "run_test.sh interrupted PID=\$\$"; cleanup' INT

+ trap 'echo "run_test.sh terminated PID=\$\$"; cleanup' TERM

+ [[5 != 5]]

+ export PATHRT=/home/builder/ufs-weather-model/tests

+ PATHRT=/home/builder/ufs-weather-model/tests

+ export RUNDIR_ROOT=/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7

+ RUNDIR_ROOT=/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7

+ export TEST_NAME=cpld_control_nowave_noaero_p8

+ TEST_NAME=cpld_control_nowave_noaero_p8

+ export TEST_NR=rst

+ TEST_NR=rst

+ export COMPILE_NR=std

+ COMPILE_NR=std

```
+ echo 'PATHRT: /home/builder/ufs-weather-model/tests'
+ echo 'RUNDIR_ROOT: /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7'
+ echo 'TEST_NAME: cpld_control_nowave_noaero_p8'
+ echo 'TEST_NR: rst'
+ echo 'COMPILE_NR: std'
+ cd /home/builder/ufs-weather-model/tests
+ unset MODEL_CONFIGURE
+ unset NEMS_CONFIGURE
+ [[ -e /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/run_test_rst.env ]]
+ source /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/run_test_rst.env
++ export JOB_NR=002
++ JOB_NR=002
++ export MACHINE_ID=linux
++ MACHINE_ID=linux
++ export RTPWD=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ RTPWD=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ export INPUTDATA_ROOT=/home/builder/data/NEMSFV3GFS/input-data-20221101
++ INPUTDATA_ROOT=/home/builder/data/NEMSFV3GFS/input-data-20221101
++ export INPUTDATA_ROOT_WW3=/home/builder/data/NEMSFV3GFS/input-data-
20221101/WW3_input_data_20220624/
++ INPUTDATA_ROOT_WW3=/home/builder/data/NEMSFV3GFS/input-data-
20221101/WW3_input_data_20220624/
++ export INPUTDATA_ROOT_BMIC=/home/builder/data/NEMSFV3GFS/BM_IC-20220207
++ INPUTDATA_ROOT_BMIC=/home/builder/data/NEMSFV3GFS/BM_IC-20220207
++ export PATHRT=/home/builder/ufs-weather-model/tests
++ PATHRT=/home/builder/ufs-weather-model/tests
++ export PATHTR=/home/builder/ufs-weather-model
++ PATHTR=/home/builder/ufs-weather-model
++ export NEW_BASELINE=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ NEW_BASELINE=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ export CREATE_BASELINE=false
++ CREATE_BASELINE=false
++ export RT_SUFFIX=_rst
++ RT_SUFFIX=_rst
++ export BL_SUFFIX=_std_base
++ BL_SUFFIX=_std_base
++ export SCHEDULER=none
++ SCHEDULER=none
++ export ACCNR=nems
++ ACCNR=nems
++ export QUEUE=
++ QUEUE=
++ export PARTITION=
++ PARTITION=
```

```
++ export ROCOTO=false
++ ROCOTO=false
++ export ECFLOW=false
++ ECFLOW=false
++ export REGRESSIONTEST_LOG=/home/builder/ufs-weather-
model/tests/logs/OpnReqTests_cp1d_control_nowave_noaero_p8_linux.log
++ REGRESSIONTEST_LOG=/home/builder/ufs-weather-
model/tests/logs/OpnReqTests_cp1d_control_nowave_noaero_p8_linux.log
++ export LOG_DIR=/home/builder/ufs-weather-model/tests/logs/log_opnReqTest_linux
++ LOG_DIR=/home/builder/ufs-weather-model/tests/logs/log_opnReqTest_linux
++ export skip_check_results=false
++ skip_check_results=false
++ export delete_rundir=false
++ delete_rundir=false
++ export RT_COMPILER=gnu
++ RT_COMPILER=gnu
++ export WLCLK=30
++ WLCLK=30
+ source default_vars.sh
++ THRD=1
++ INPES_atmaero=4
++ JNPES_atmaero=8
++ WPG_atmaero=6
++ THRD_cp1_atmw=1
++ INPES_cp1_atmw=3
++ JNPES_cp1_atmw=8
++ WPG_cp1_atmw=6
++ WAV_tasks_cp1_atmw=30
++ WAV_thrds_cp1_atmw=1
++ THRD_cp1_c48=1
++ INPES_cp1_c48=1
++ JNPES_cp1_c48=1
++ WPG_cp1_c48=6
++ OCN_tasks_cp1_c48=4
++ ICE_tasks_cp1_c48=4
++ THRD_cp1_dflt=1
++ INPES_cp1_dflt=3
++ JNPES_cp1_dflt=8
++ WPG_cp1_dflt=6
++ OCN_tasks_cp1_dflt=20
++ ICE_tasks_cp1_dflt=10
++ WAV_tasks_cp1_dflt=20
++ THRD_cp1_thrd=2
++ INPES_cp1_thrd=3
```

```
++ JNPES_cpl_thrds=4
++ WPG_cpl_thrds=6
++ OCN_tasks_cpl_thrds=20
++ OCN_thrds_cpl_thrds=1
++ ICE_tasks_cpl_thrds=10
++ ICE_thrds_cpl_thrds=1
++ WAV_tasks_cpl_thrds=12
++ WAV_thrds_cpl_thrds=2
++ THRD_cpl_dcmp=1
++ INPES_cpl_dcmp=4
++ JNPES_cpl_dcmp=6
++ WPG_cpl_dcmp=6
++ OCN_tasks_cpl_dcmp=20
++ ICE_tasks_cpl_dcmp=10
++ WAV_tasks_cpl_dcmp=20
++ THRD_cpl_mpi=1
++ INPES_cpl_mpi=4
++ JNPES_cpl_mpi=8
++ WPG_cpl_mpi=6
++ OCN_tasks_cpl_mpi=34
++ ICE_tasks_cpl_mpi=20
++ WAV_tasks_cpl_mpi=28
++ THRD_cpl_bmrk=2
++ INPES_cpl_bmrk=8
++ JNPES_cpl_bmrk=8
++ WPG_cpl_bmrk=48
++ OCN_tasks_cpl_bmrk=120
++ OCN_thrds_cpl_bmrk=1
++ ICE_tasks_cpl_bmrk=48
++ ICE_thrds_cpl_bmrk=1
++ WAV_tasks_cpl_bmrk=80
++ WAV_thrds_cpl_bmrk=2
++ THRD_cpl_c192=2
++ INPES_cpl_c192=6
++ JNPES_cpl_c192=8
++ WPG_cpl_c192=12
++ OCN_tasks_cpl_c192=60
++ ICE_tasks_cpl_c192=24
++ WAV_tasks_cpl_c192=80
++ ATM_compute_tasks_cdeps_100=12
++ OCN_tasks_cdeps_100=16
++ ICE_tasks_cdeps_100=12
++ ATM_compute_tasks_cdeps_025=40
++ OCN_tasks_cdeps_025=120
```



```
++ ICE_tasks_cdeps_025=48
++ INPES_aqm=33
++ JNPES_aqm=8
++ THRD_cpl_unstr=1
++ INPES_cpl_unstr=3
++ JNPES_cpl_unstr=8
++ WPG_cpl_unstr=6
++ OCN_tasks_cpl_unstr=20
++ ICE_tasks_cpl_unstr=10
++ WAV_tasks_cpl_unstr=60
++ THRD_cpl_unstr_mpi=1
++ INPES_cpl_unstr_mpi=4
++ JNPES_cpl_unstr_mpi=8
++ WPG_cpl_unstr_mpi=6
++ OCN_tasks_cpl_unstr_mpi=34
++ ICE_tasks_cpl_unstr_mpi=20
++ WAV_tasks_cpl_unstr_mpi=50
++ aqm_omp_num_threads=1
++ atm_omp_num_threads=1
++ chm_omp_num_threads=1
++ ice_omp_num_threads=1
++ lnd_omp_num_threads=1
++ med_omp_num_threads=1
++ ocn_omp_num_threads=1
++ wav_omp_num_threads=1
++ [[ linux = wcss2 ]]
++ [[ linux = acorn ]]
++ [[ linux = orion ]]
++ [[ linux = hera ]]
++ [[ linux = linux ]]
++ TPN=40
++ INPES_dflt=3
++ JNPES_dflt=8
++ INPES_thr=3
++ JNPES_thr=4
++ THRD_cpl_dflt=1
++ INPES_cpl_dflt=3
++ JNPES_cpl_dflt=8
++ WPG_cpl_dflt=6
++ OCN_tasks_cpl_dflt=20
++ ICE_tasks_cpl_dflt=10
++ WAV_tasks_cpl_dflt=20
++ THRD_cpl_thr=2
++ INPES_cpl_thr=3
```

```
++ JNPES_cpl_thrd=4
++ WPG_cpl_thrd=6
++ OCN_tasks_cpl_thrd=20
++ ICE_tasks_cpl_thrd=10
++ WAV_tasks_cpl_thrd=12
++ WLCLK_dflt=30
++ export WLCLK=30
++ WLCLK=30
++ export CMP_DATAONLY=false
++ CMP_DATAONLY=false
+ [[ -e /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/run_test_rst.env ]]
+ source /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/run_test_rst.env
++ export JOB_NR=002
++ JOB_NR=002
++ export MACHINE_ID=linux
++ MACHINE_ID=linux
++ export RTPWD=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ RTPWD=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ export INPUTDATA_ROOT=/home/builder/data/NEMSFV3GFS/input-data-20221101
++ INPUTDATA_ROOT=/home/builder/data/NEMSFV3GFS/input-data-20221101
++ export INPUTDATA_ROOT_WW3=/home/builder/data/NEMSFV3GFS/input-data-
20221101/WW3_input_data_20220624/
++ INPUTDATA_ROOT_WW3=/home/builder/data/NEMSFV3GFS/input-data-
20221101/WW3_input_data_20220624/
++ export INPUTDATA_ROOT_BMIC=/home/builder/data/NEMSFV3GFS/BM_IC-20220207
++ INPUTDATA_ROOT_BMIC=/home/builder/data/NEMSFV3GFS/BM_IC-20220207
++ export PATHRT=/home/builder/ufs-weather-model/tests
++ PATHRT=/home/builder/ufs-weather-model/tests
++ export PATHTR=/home/builder/ufs-weather-model
++ PATHTR=/home/builder/ufs-weather-model
++ export NEW_BASELINE=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ NEW_BASELINE=/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST
++ export CREATE_BASELINE=false
++ CREATE_BASELINE=false
++ export RT_SUFFIX=_rst
++ RT_SUFFIX=_rst
++ export BL_SUFFIX=_std_base
++ BL_SUFFIX=_std_base
++ export SCHEDULER=none
++ SCHEDULER=none
++ export ACCNR=nems
++ ACCNR=nems
++ export QUEUE=
++ QUEUE=
```

```

++ export PARTITION=
++ PARTITION=
++ export ROCOTO=false
++ ROCOTO=false
++ export ECFLOW=false
++ ECFLOW=false
++ export REGRESSIONTEST_LOG=/home/builder/ufs-weather-
model/tests/logs/OpnReqTests_cp1d_control_nowave_noaero_p8_linux.log
++ REGRESSIONTEST_LOG=/home/builder/ufs-weather-
model/tests/logs/OpnReqTests_cp1d_control_nowave_noaero_p8_linux.log
++ export LOG_DIR=/home/builder/ufs-weather-model/tests/logs/log_opnReqTest_linux
++ LOG_DIR=/home/builder/ufs-weather-model/tests/logs/log_opnReqTest_linux
++ export skip_check_results=false
++ skip_check_results=false
++ export delete_rundir=false
++ delete_rundir=false
++ export RT_COMPILER=gnu
++ RT_COMPILER=gnu
++ export WLCLK=30
++ WLCLK=30
+ source tests/cpld_control_nowave_noaero_p8
++ export 'TEST_DESCR=Fully coupled FV3-CCPP-MOM6-CICE-CMEPS system - C96MX100'
++ TEST_DESCR='Fully coupled FV3-CCPP-MOM6-CICE-CMEPS system - C96MX100'
++ export CNTL_DIR=cpld_control_c96_noaero_p8
++ CNTL_DIR=cpld_control_c96_noaero_p8
++ export 'LIST_FILES=sfcf021.tile1.nc                sfcf021.tile2.nc
sfcf021.tile3.nc                sfcf021.tile4.nc                sfcf021.tile5.nc
sfcf021.tile6.nc                atmf021.tile1.nc                atmf021.tile2.nc
atmf021.tile3.nc                atmf021.tile4.nc                atmf021.tile5.nc
atmf021.tile6.nc                sfcf024.tile1.nc                sfcf024.tile2.nc
sfcf024.tile3.nc                sfcf024.tile4.nc                sfcf024.tile5.nc
sfcf024.tile6.nc                atmf024.tile1.nc                atmf024.tile2.nc
atmf024.tile3.nc                atmf024.tile4.nc                atmf024.tile5.nc
atmf024.tile6.nc                RESTART/20210323.060000.coupler.res
RESTART/20210323.060000.fv_core.res.nc
RESTART/20210323.060000.fv_core.res.tile1.nc
RESTART/20210323.060000.fv_core.res.tile2.nc
RESTART/20210323.060000.fv_core.res.tile3.nc
RESTART/20210323.060000.fv_core.res.tile4.nc
RESTART/20210323.060000.fv_core.res.tile5.nc
RESTART/20210323.060000.fv_core.res.tile6.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc

```

```

RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc
RESTART/20210323.060000.fv_tracer.res.tile1.nc
RESTART/20210323.060000.fv_tracer.res.tile2.nc
RESTART/20210323.060000.fv_tracer.res.tile3.nc
RESTART/20210323.060000.fv_tracer.res.tile4.nc
RESTART/20210323.060000.fv_tracer.res.tile5.nc
RESTART/20210323.060000.fv_tracer.res.tile6.nc
RESTART/20210323.060000.phy_data.tile1.nc
RESTART/20210323.060000.phy_data.tile2.nc
RESTART/20210323.060000.phy_data.tile3.nc
RESTART/20210323.060000.phy_data.tile4.nc
RESTART/20210323.060000.phy_data.tile5.nc
RESTART/20210323.060000.phy_data.tile6.nc
RESTART/20210323.060000.sfc_data.tile1.nc
RESTART/20210323.060000.sfc_data.tile2.nc
RESTART/20210323.060000.sfc_data.tile3.nc
RESTART/20210323.060000.sfc_data.tile4.nc
RESTART/20210323.060000.sfc_data.tile5.nc
RESTART/20210323.060000.sfc_data.tile6.nc
RESTART/20210323.060000.MOM.res.nc
RESTART/20210323.060000.MOM.res.nc
RESTART/ufscpld.cpl.r.2021-03-23-21600.nc'
++ LIST_FILES='sfcf021.tile1.nc
sfcf021.tile3.nc
sfcf021.tile6.nc
atmf021.tile3.nc
atmf021.tile6.nc
sfcf024.tile3.nc
sfcf024.tile6.nc
atmf024.tile3.nc
atmf024.tile6.nc
RESTART/20210323.060000.fv_core.res.nc
RESTART/20210323.060000.fv_core.res.tile1.nc
RESTART/20210323.060000.fv_core.res.tile2.nc
RESTART/20210323.060000.fv_core.res.tile3.nc
RESTART/20210323.060000.fv_core.res.tile4.nc
RESTART/20210323.060000.fv_core.res.tile5.nc
RESTART/20210323.060000.fv_core.res.tile6.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc
RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc
sfcf021.tile2.nc
sfcf021.tile4.nc
sfcf021.tile5.nc
atmf021.tile1.nc
atmf021.tile2.nc
atmf021.tile4.nc
atmf021.tile5.nc
sfcf024.tile1.nc
sfcf024.tile2.nc
sfcf024.tile4.nc
sfcf024.tile5.nc
atmf024.tile1.nc
atmf024.tile2.nc
atmf024.tile4.nc
atmf024.tile5.nc
RESTART/20210323.060000.coupler.res

```

```
RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc
RESTART/20210323.060000.fv_tracer.res.tile1.nc
RESTART/20210323.060000.fv_tracer.res.tile2.nc
RESTART/20210323.060000.fv_tracer.res.tile3.nc
RESTART/20210323.060000.fv_tracer.res.tile4.nc
RESTART/20210323.060000.fv_tracer.res.tile5.nc
RESTART/20210323.060000.fv_tracer.res.tile6.nc
RESTART/20210323.060000.phy_data.tile1.nc
RESTART/20210323.060000.phy_data.tile2.nc
RESTART/20210323.060000.phy_data.tile3.nc
RESTART/20210323.060000.phy_data.tile4.nc
RESTART/20210323.060000.phy_data.tile5.nc
RESTART/20210323.060000.phy_data.tile6.nc
RESTART/20210323.060000.sfc_data.tile1.nc
RESTART/20210323.060000.sfc_data.tile2.nc
RESTART/20210323.060000.sfc_data.tile3.nc
RESTART/20210323.060000.sfc_data.tile4.nc
RESTART/20210323.060000.sfc_data.tile5.nc
RESTART/20210323.060000.sfc_data.tile6.nc
RESTART/20210323.060000.MOM.res.nc
RESTART/20210323.060000.MOM.res.nc
RESTART/ufc.cpld.cpl.r.2021-03-23-21600.nc'
RESTART/iced.2021-03-23-21600.nc
++ export_fv3
++ export NEMS_CONFIGURE=nems.configure.atm.IN
++ NEMS_CONFIGURE=nems.configure.atm.IN
++ export MODEL_CONFIGURE=model_configure.IN
++ MODEL_CONFIGURE=model_configure.IN
++ export atm_model=fv3
++ atm_model=fv3
++ export FV3=true
++ FV3=true
++ export S2S=false
++ S2S=false
++ export HAFS=false
++ HAFS=false
++ export AQM=false
++ AQM=false
++ export DATM_CDEPS=false
++ DATM_CDEPS=false
++ export DOCN_CDEPS=false
++ DOCN_CDEPS=false
++ export POSTAPP=global
++ POSTAPP=global
++ export USE_MERRA2=.false.
++ USE_MERRA2=.false.
```

```
++ export NTILES=6
++ NTILES=6
++ export INPES=3
++ INPES=3
++ export JNPES=8
++ JNPES=8
++ export RESTART_INTERVAL=0
++ RESTART_INTERVAL=0
++ export QUILTING=.true.
++ QUILTING=.true.
++ export QUILTING_RESTART=.false.
++ QUILTING_RESTART=.false.
++ export WRITE_GROUP=1
++ WRITE_GROUP=1
++ export WRTTASK_PER_GROUP=6
++ WRTTASK_PER_GROUP=6
++ export ITASKS=1
++ ITASKS=1
++ export OUTPUT_HISTORY=.true.
++ OUTPUT_HISTORY=.true.
++ export WRITE_DOPOST=.false.
++ WRITE_DOPOST=.false.
++ export NUM_FILES=2
++ NUM_FILES=2
++ export 'FILENAME_BASE=''atm\'\' \'\'sfc\'\'\'
++ FILENAME_BASE=''atm\'\' \'\'sfc\'\'\'
++ export 'OUTPUT_GRID=''cubed_sphere_grid\'\'\'
++ OUTPUT_GRID=''cubed_sphere_grid\'\'\'
++ export 'OUTPUT_FILE=''netcdf\'\'\'
++ OUTPUT_FILE=''netcdf\'\'\'
++ export IDEFLATE=0
++ IDEFLATE=0
++ export NBITS=0
++ NBITS=0
++ export ICHUNK2D=0
++ ICHUNK2D=0
++ export JCHUNK2D=0
++ JCHUNK2D=0
++ export ICHUNK3D=0
++ ICHUNK3D=0
++ export JCHUNK3D=0
++ JCHUNK3D=0
++ export KCHUNK3D=0
++ KCHUNK3D=0
```

```
++ export IMO=384
++ IMO=384
++ export JMO=190
++ JMO=190
++ export WRITE_NSFLIP=.false.
++ WRITE_NSFLIP=.false.
++ export DIAG_TABLE=diag_table_gfsv16
++ DIAG_TABLE=diag_table_gfsv16
++ export FIELD_TABLE=field_table_gfsv16
++ FIELD_TABLE=field_table_gfsv16
++ export DOMAINS_STACK_SIZE=3000000
++ DOMAINS_STACK_SIZE=3000000
++ export MODEL_INITIALIZATION=false
++ MODEL_INITIALIZATION=false
++ export WARM_START=.false.
++ WARM_START=.false.
++ export READ_INCREMENT=.false.
++ READ_INCREMENT=.false.
++ export 'RES_LATLON_DYNAMICS='\''\''\''\''
++ RES_LATLON_DYNAMICS='\''\''\''\''
++ export NGGPS_IC=.true.
++ NGGPS_IC=.true.
++ export EXTERNAL_IC=.true.
++ EXTERNAL_IC=.true.
++ export MAKE_NH=.true.
++ MAKE_NH=.true.
++ export MOUNTAIN=.false.
++ MOUNTAIN=.false.
++ export NA_INIT=1
++ NA_INIT=1
++ export DO_RRTMGP=.false.
++ DO_RRTMGP=.false.
++ export DOGP_CLDOPTICS_LUT=.false.
++ DOGP_CLDOPTICS_LUT=.false.
++ export DOGP_LWSCAT=.false.
++ DOGP_LWSCAT=.false.
++ export USE_LW_JACOBIAN=.false.
++ USE_LW_JACOBIAN=.false.
++ export DAMP_LW_FLUXADJ=.false.
++ DAMP_LW_FLUXADJ=.false.
++ export RRTMGP_LW_PHYS_BLKSZ=2
++ RRTMGP_LW_PHYS_BLKSZ=2
++ export ICLLOUD=0
++ ICLLOUD=0
```

```
++ export IAER=111
++ IAER=111
++ export ICLIQ_SW=1
++ ICLIQ_SW=1
++ export IOVR=1
++ IOVR=1
++ export LFNC_K=-999
++ LFNC_K=-999
++ export LFNC_P0=-999
++ LFNC_P0=-999
++ export IMP_PHYSICS=11
++ IMP_PHYSICS=11
++ export NWAT=6
++ NWAT=6
++ export DNATS=1
++ DNATS=1
++ export DO_SAT_ADJ=.true.
++ DO_SAT_ADJ=.true.
++ export LHEATSTRG=.true.
++ LHEATSTRG=.true.
++ export LSEASPRAY=.false.
++ LSEASPRAY=.false.
++ export LGFDLMPRAD=.false.
++ LGFDLMPRAD=.false.
++ export EFR_IN=.false.
++ EFR_IN=.false.
++ export LRADAR=.true.
++ LRADAR=.true.
++ export LTAEROSOL=.true.
++ LTAEROSOL=.true.
++ export EXT_DIAG_THOMPSON=.false.
++ EXT_DIAG_THOMPSON=.false.
++ export SEDI_SEMI=.true.
++ SEDI_SEMI=.true.
++ export DECFI=10
++ DECFI=10
++ export NSSL_CCCN=0.6e9
++ NSSL_CCCN=0.6e9
++ export NSSL_ALPHAH=0.0
++ NSSL_ALPHAH=0.0
++ export NSSL_ALPHAHL=1.0
++ NSSL_ALPHAHL=1.0
++ export NSSL_HAIL_ON=.false.
++ NSSL_HAIL_ON=.false.
```



```
++ export NSSL_CCN_ON=.true.
++ NSSL_CCN_ON=.true.
++ export NSSL_INVERTCCN=.true.
++ NSSL_INVERTCCN=.true.
++ export RRFS_SMOKE=.false.
++ RRFS_SMOKE=.false.
++ export SMOKE_FORECAST=0
++ SMOKE_FORECAST=0
++ export RRFS_RESTART=NO
++ RRFS_RESTART=NO
++ export SEAS_OPT=2
++ SEAS_OPT=2
++ export LDIAG_UGWP=.false.
++ LDIAG_UGWP=.false.
++ export DO_UGWP=.false.
++ DO_UGWP=.false.
++ export DO_TOFD=.false.
++ DO_TOFD=.false.
++ export GWD_OPT=1
++ GWD_OPT=1
++ export DO_UGWP_V0=.false.
++ DO_UGWP_V0=.false.
++ export DO_UGWP_V0_OROG_ONLY=.false.
++ DO_UGWP_V0_OROG_ONLY=.false.
++ export DO_GSL_DRAG_LS_BL=.false.
++ DO_GSL_DRAG_LS_BL=.false.
++ export DO_GSL_DRAG_SS=.false.
++ DO_GSL_DRAG_SS=.false.
++ export DO_GSL_DRAG_TOFD=.false.
++ DO_GSL_DRAG_TOFD=.false.
++ export DO_UGWP_V1=.false.
++ DO_UGWP_V1=.false.
++ export DO_UGWP_V1_OROG_ONLY=.false.
++ DO_UGWP_V1_OROG_ONLY=.false.
++ export CDMBWD_c48=0.071,2.1,1.0,1.0
++ CDMBWD_c48=0.071,2.1,1.0,1.0
++ export CDMBWD_c96=0.14,1.8,1.0,1.0
++ CDMBWD_c96=0.14,1.8,1.0,1.0
++ export CDMBWD_c192=0.23,1.5,1.0,1.0
++ CDMBWD_c192=0.23,1.5,1.0,1.0
++ export CDMBWD_c384=1.1,0.72,1.0,1.0
++ CDMBWD_c384=1.1,0.72,1.0,1.0
++ export CDMBWD_c768=4.0,0.15,1.0,1.0
++ CDMBWD_c768=4.0,0.15,1.0,1.0
```

```
++ export DT_INNER_c96=360
++ DT_INNER_c96=360
++ export DT_INNER_c192=300
++ DT_INNER_c192=300
++ export DT_INNER_c384=150
++ DT_INNER_c384=150
++ export DT_INNER_c768=75
++ DT_INNER_c768=75
++ export CDMBWD=0.14,1.8,1.0,1.0
++ CDMBWD=0.14,1.8,1.0,1.0
++ export DT_INNER=360
++ DT_INNER=360
++ export SATMEDMF=.false.
++ SATMEDMF=.false.
++ export ISATMEDMF=0
++ ISATMEDMF=0
++ export HYBEDMF=.true.
++ HYBEDMF=.true.
++ export SHINHONG=.false.
++ SHINHONG=.false.
++ export DO_YSU=.false.
++ DO_YSU=.false.
++ export DO_MYNNEDMF=.false.
++ DO_MYNNEDMF=.false.
++ export DO_MYJPBL=.false.
++ DO_MYJPBL=.false.
++ export HURR_PBL=.false.
++ HURR_PBL=.false.
++ export MONINQ_FAC=1.0
++ MONINQ_FAC=1.0
++ export SFCLAY_COMPUTE_FLUX=.false.
++ SFCLAY_COMPUTE_FLUX=.false.
++ export DO_DEEP=.true.
++ DO_DEEP=.true.
++ export SHAL_CNV=.true.
++ SHAL_CNV=.true.
++ export IMFSHALCNV=2
++ IMFSHALCNV=2
++ export HWRF_SAMFSHAL=.false.
++ HWRF_SAMFSHAL=.false.
++ export IMFDEEPCNV=2
++ IMFDEEPCNV=2
++ export HWRF_SAMFDEEP=.false.
++ HWRF_SAMFDEEP=.false.
```

```
++ export RAS=.false.
++ RAS=.false.
++ export RANDOM_CLDS=.false.
++ RANDOM_CLDS=.false.
++ export CNVCLD=.true.
++ CNVCLD=.true.
++ export PROGSIGMA=.false.
++ PROGSIGMA=.false.
++ export
'FSCAV_AERO="*:0.3","so2:0.0","msa:0.0","dms:0.0","nh3:0.4","nh4:0.6","bc1:0.6","bc2:0.6
","oc1:0.4","oc2:0.4","dust1:0.6","dust2:0.6","dust3:0.6","dust4:0.6","dust5:0.6","seas1
:0.5","seas2:0.5","seas3:0.5","seas4:0.5","seas5:0.5"'
++
FSCAV_AERO='*:0.3","so2:0.0","msa:0.0","dms:0.0","nh3:0.4","nh4:0.6","bc1:0.6","bc2:0.6
","oc1:0.4","oc2:0.4","dust1:0.6","dust2:0.6","dust3:0.6","dust4:0.6","dust5:0.6","seas1
:0.5","seas2:0.5","seas3:0.5","seas4:0.5","seas5:0.5"'
++ export DO_MYJSFC=.false.
++ DO_MYJSFC=.false.
++ export DO_MYNNSFCLAY=.false.
++ DO_MYNNSFCLAY=.false.
++ export LSM=1
++ LSM=1
++ export LSOIL_LSM=4
++ LSOIL_LSM=4
++ export LANDICE=.true.
++ LANDICE=.true.
++ export KICE=2
++ KICE=2
++ export IALB=1
++ IALB=1
++ export IEMS=1
++ IEMS=1
++ export OZ_PHYS_OLD=.true.
++ OZ_PHYS_OLD=.true.
++ export OZ_PHYS_NEW=.false.
++ OZ_PHYS_NEW=.false.
++ export H2O_PHYS=.false.
++ H2O_PHYS=.false.
++ export LKM=0
++ LKM=0
++ export IOPT_LAKE=2
++ IOPT_LAKE=2
++ export LAKEFRAC_THRESHOLD=0.0
++ LAKEFRAC_THRESHOLD=0.0
```

```
++ export LAKEDEPTH_THRESHOLD=1.0
++ LAKEDEPTH_THRESHOLD=1.0
++ export FRAC_ICE=.false.
++ FRAC_ICE=.false.
++ export CPL=.false.
++ CPL=.false.
++ export CPLCHM=.false.
++ CPLCHM=.false.
++ export CPLFLX=.false.
++ CPLFLX=.false.
++ export CPLICE=.false.
++ CPLICE=.false.
++ export CPLWAV=.false.
++ CPLWAV=.false.
++ export CPLWAV2ATM=.false.
++ CPLWAV2ATM=.false.
++ export CPLLND=.false.
++ CPLLND=.false.
++ export USE_MED_FLUX=.false.
++ USE_MED_FLUX=.false.
++ export DAYS=1
++ DAYS=1
++ export NPX=97
++ NPX=97
++ export NPY=97
++ NPY=97
++ export NPZ=64
++ NPZ=64
++ export NPZP=65
++ NPZP=65
++ export NSTF_NAME=2,1,1,0,5
++ NSTF_NAME=2,1,1,0,5
++ export 'OUTPUT_FH=12 -1'
++ OUTPUT_FH='12 -1'
++ export NFHOUT=12
++ NFHOUT=12
++ export NFHMAX_HF=12
++ NFHMAX_HF=12
++ export NFHOUT_HF=6
++ NFHOUT_HF=6
++ export IAU_OFFSET=0
++ IAU_OFFSET=0
++ export FHZERO=6
++ FHZERO=6
```

```
++ export 'FNALBC='\''global_snowfree_albedo.bosu.t126.384.190.rg.grb'\''
++ FNALBC='\''global_snowfree_albedo.bosu.t126.384.190.rg.grb'\''
++ export 'FNVETC='\''global_vegtype.igbp.t126.384.190.rg.grb'\''
++ FNVETC='\''global_vegtype.igbp.t126.384.190.rg.grb'\''
++ export 'FNSOTC='\''global_soiltype.statsgo.t126.384.190.rg.grb'\''
++ FNSOTC='\''global_soiltype.statsgo.t126.384.190.rg.grb'\''
++ export 'FNSOCC='\'''\''
++ FNSOCC='\'''\''
++ export 'FNSMCC='\''global_soilmgldas.t126.384.190.grb'\''
++ FNSMCC='\''global_soilmgldas.t126.384.190.grb'\''
++ export 'FNSMCC_control='\''global_soilmgldas.statsgo.t1534.3072.1536.grb'\''
++ FNSMCC_control='\''global_soilmgldas.statsgo.t1534.3072.1536.grb'\''
++ export 'FNMSKH_control='\''global_slmask.t1534.3072.1536.grb'\''
++ FNMSKH_control='\''global_slmask.t1534.3072.1536.grb'\''
++ export 'FNABSC='\''global_mxsnoalb.uariz.t126.384.190.rg.grb'\''
++ FNABSC='\''global_mxsnoalb.uariz.t126.384.190.rg.grb'\''
++ export ATMRES=C96
++ ATMRES=C96
++ export TILEDFIX=.false.
++ TILEDFIX=.false.
++ export ENS_NUM=1
++ ENS_NUM=1
++ export SYEAR=2016
++ SYEAR=2016
++ export SMONTH=10
++ SMONTH=10
++ export SDAY=03
++ SDAY=03
++ export SHOUR=00
++ SHOUR=00
+++ expr 00 '*' 3600
++ export SECS=0
++ SECS=0
++ export FHMAX=24
++ FHMAX=24
++ export DT_ATMOS=1800
++ DT_ATMOS=1800
++ export FHCYC=24
++ FHCYC=24
++ export FHROT=0
++ FHROT=0
++ export LDIAG3D=.false.
++ LDIAG3D=.false.
++ export QDIAG3D=.false.
```

```
++ QDIAG3D=.false.
++ export PRINT_DIFF_PGR=.false.
++ PRINT_DIFF_PGR=.false.
++ export MAX_OUTPUT_FIELDS=310
++ MAX_OUTPUT_FIELDS=310
++ export STOCHINI=.false.
++ STOCHINI=.false.
++ export DO_SPPT=.false.
++ DO_SPPT=.false.
++ export DO_SHUM=.false.
++ DO_SHUM=.false.
++ export DO_SKEB=.false.
++ DO_SKEB=.false.
++ export LNDP_TYPE=0
++ LNDP_TYPE=0
++ export N_VAR_LNDP=0
++ N_VAR_LNDP=0
++ export SKEB=-999.
++ SKEB=-999.
++ export SPPT=-999.
++ SPPT=-999.
++ export SHUM=-999.
++ SHUM=-999.
++ export 'LNDP_VAR_LIST='\''XXX'\''
++ LNDP_VAR_LIST='\''XXX'\''
++ export LNDP_PRT_LIST=-999
++ LNDP_PRT_LIST=-999
++ export LNDP_MODEL_TYPE=0
++ LNDP_MODEL_TYPE=0
++ export 'IAU_INC_FILES='\'''\''
++ IAU_INC_FILES='\'''\''
++ export FH_DFI_RADAR=-2e10
++ FH_DFI_RADAR=-2e10
++ export DO_CA=.false.
++ DO_CA=.false.
++ export CA_SGS=.false.
++ CA_SGS=.false.
++ export CA_GLOBAL=.false.
++ CA_GLOBAL=.false.
++ export IAU_DRYMASSFIXER=.false.
++ IAU_DRYMASSFIXER=.false.
++ export WW3RSTDTHR=12
++ WW3RSTDTHR=12
+++ printf %02d 43200
```

```
++ export DT_2_RST=43200
++ DT_2_RST=43200
++ export WW3OUTDTHR=1
++ WW3OUTDTHR=1
+++ printf %02d 3600
++ export DTFLD=3600
++ DTFLD=3600
+++ printf %02d 3600
++ export DTPNT=3600
++ DTPNT=3600
++ export DTRST=0
++ DTRST=0
++ export RSTTYPE=T
++ RSTTYPE=T
++ export GOFILETYPE=1
++ GOFILETYPE=1
++ export POFILETYPE=1
++ POFILETYPE=1
++ export 'OUTPARS_WAV=WND HS FP DP PHS PTP PDIR'
++ OUTPARS_WAV='WND HS FP DP PHS PTP PDIR'
++ export 'CPLILINE=$'
++ CPLILINE='$'
++ export 'ICELINE=$'
++ ICELINE='$'
++ export 'WINDLINE=$'
++ WINDLINE='$'
++ export 'CURRLINE=$'
++ CURRLINE='$'
++ export NFGRIDS=0
++ NFGRIDS=0
++ export NMGRIDS=1
++ NMGRIDS=1
++ export 'WW3GRIDLINE=''glo_1deg'' ''no'' ''no'' ''CPL:native''
''no'' ''no'' ''no'' ''no'' ''no'' ''no'' 1 1 0.00 1.00 F'
++ WW3GRIDLINE=''glo_1deg'' ''no'' ''no'' ''CPL:native'' ''no''
''no'' ''no'' ''no'' ''no'' 1 1 0.00 1.00 F'
++ export FUNIPNT=T
++ FUNIPNT=T
++ export IOSRV=1
++ IOSRV=1
++ export FPNTPROC=T
++ FPNTPROC=T
++ export FGRDPROC=T
++ FGRDPROC=T
```

```
++ export UNIPOINTS=points
++ UNIPOINTS=points
++ export 'FLAGMASKCOMP= F'
++ FLAGMASKCOMP=' F'
++ export 'FLAGMASKOUT= F'
++ FLAGMASKOUT=' F'
+++ printf %02d 0
++ export 'RUN_BEG=20161003 000000'
++ RUN_BEG='20161003 000000'
+++ printf %02d 0
++ export 'RUN_END=21001003 000000'
++ RUN_END='21001003 000000'
++ export 'OUT_BEG=20161003 000000'
++ OUT_BEG='20161003 000000'
++ export 'OUT_END=21001003 000000'
++ OUT_END='21001003 000000'
++ export 'RST_BEG=20161003 000000'
++ RST_BEG='20161003 000000'
++ export 'RST_2_BEG=20161003 000000'
++ RST_2_BEG='20161003 000000'
++ export 'RST_END=21001003 000000'
++ RST_END='21001003 000000'
++ export 'RST_2_END=21001003 000000'
++ RST_2_END='21001003 000000'
++ export WAV_CUR=F
++ WAV_CUR=F
++ export WAV_ICE=F
++ WAV_ICE=F
++ export WAV_IC1=F
++ WAV_IC1=F
++ export WAV_IC5=F
++ WAV_IC5=F
++ export MULTIGRID=true
++ MULTIGRID=true
++ export MODDEF_WAV=mod_def.glo_1deg
++ MODDEF_WAV=mod_def.glo_1deg
++ export MESH_WAV=mesh.glo_1deg.nc
++ MESH_WAV=mesh.glo_1deg.nc
++ export AOD_FRQ=060000
++ AOD_FRQ=060000
++ export WRITE_RESTART_WITH_BCS=.false.
++ WRITE_RESTART_WITH_BCS=.false.
++ export PRINT_DIFF_PGR=.false.
++ PRINT_DIFF_PGR=.false.
```



```
++ export coupling_interval_fast_sec=0
++ coupling_interval_fast_sec=0
++ export_cpl
++ export FV3=true
++ FV3=true
++ export S2S=true
++ S2S=true
++ export HAFS=false
++ HAFS=false
++ export AQM=false
++ AQM=false
++ export DATM_CDEPS=false
++ DATM_CDEPS=false
++ export DOCN_CDEPS=false
++ DOCN_CDEPS=false
++ export FV3BMIC=p8c
++ FV3BMIC=p8c
++ export SYEAR=2021
++ SYEAR=2021
++ export SMONTH=03
++ SMONTH=03
++ export SDAY=22
++ SDAY=22
++ export SHOUR=06
++ SHOUR=06
+++ expr 06 '*' 3600
++ export SECS=21600
++ SECS=21600
++ export BMIC=.false.
++ BMIC=.false.
++ export DAYS=1
++ DAYS=1
++ export FHMAX=24
++ FHMAX=24
++ export FDIAG=6
++ FDIAG=6
++ export FHZERO=6
++ FHZERO=6
++ export WRITE_NSFLIP=.true.
++ WRITE_NSFLIP=.true.
++ export ATMRES=C96
++ ATMRES=C96
++ export OCNRES=100
++ OCNRES=100
```

```
++ export ICERES=1.00
++ ICERES=1.00
++ export NX_GLB=360
++ NX_GLB=360
++ export NY_GLB=320
++ NY_GLB=320
++ export NPZ=127
++ NPZ=127
++ export NPZP=128
++ NPZP=128
++ export DOMAINS_STACK_SIZE=8000000
++ DOMAINS_STACK_SIZE=8000000
++ export INPES=3
++ INPES=3
++ export JNPES=8
++ JNPES=8
++ export THRD=1
++ THRD=1
++ export WRTTASK_PER_GROUP=6
++ WRTTASK_PER_GROUP=6
++ OCN_tasks=20
++ ICE_tasks=10
++ WAV_tasks=20
++ export DT_ATMOS=720
++ DT_ATMOS=720
++ export DT_INNER=720
++ DT_INNER=720
++ export DT_CICE=720
++ DT_CICE=720
++ export DT_DYNAM_MOM6=1800
++ DT_DYNAM_MOM6=1800
++ export DT_THERM_MOM6=3600
++ DT_THERM_MOM6=3600
++ export NEMS_CONFIGURE=nems.configure.cpld.IN
++ NEMS_CONFIGURE=nems.configure.cpld.IN
++ export med_model=cmepps
++ med_model=cmepps
++ export atm_model=fv3
++ atm_model=fv3
++ export chm_model=gocart
++ chm_model=gocart
++ export ocn_model=mom6
++ ocn_model=mom6
++ export ice_model=cice6
```

```
++ ice_model=cice6
++ export wav_model=ww3
++ wav_model=ww3
++ export pio_rearranger=box
++ pio_rearranger=box
++ export coupling_interval_slow_sec=3600
++ coupling_interval_slow_sec=3600
++ export coupling_interval_fast_sec=720
++ coupling_interval_fast_sec=720
++ export RESTART_N=24
++ RESTART_N=24
++ export CPLMODE=nems_frac
++ CPLMODE=nems_frac
++ export cap_dbug_flag=0
++ cap_dbug_flag=0
++ export use_coldstart=false
++ use_coldstart=false
++ export use_mommesh=true
++ use_mommesh=true
++ export RUNTYPE=startup
++ RUNTYPE=startup
++ export CICERUNTYPE=initial
++ CICERUNTYPE=initial
++ export eps_imesh=1.0e-1
++ eps_imesh=1.0e-1
+++ expr 97 - 1
++ export ATMTILESIZE=96
++ ATMTILESIZE=96
++ export MULTIGRID=false
++ MULTIGRID=false
++ export FRAC_GRID=.true.
++ FRAC_GRID=.true.
++ export CCPP_SUITE=FV3_GFS_v17_coupled_p8
++ CCPP_SUITE=FV3_GFS_v17_coupled_p8
++ export INPUT_NML=cpld_control.nml.IN
++ INPUT_NML=cpld_control.nml.IN
++ export FIELD_TABLE=field_table_thompson_noaero_tke_GOCART
++ FIELD_TABLE=field_table_thompson_noaero_tke_GOCART
++ export DIAG_TABLE=diag_table_p8_template
++ DIAG_TABLE=diag_table_p8_template
++ export DIAG_TABLE_ADDITIONAL=
++ DIAG_TABLE_ADDITIONAL=
++ export FHROT=0
++ FHROT=0
```

```
++ export NSOUT=-1
++ NSOUT=-1
++ export 'OUTPUT_FH=6 -1'
++ OUTPUT_FH='6 -1'
++ export IALB=2
++ IALB=2
++ export IEMS=2
++ IEMS=2
++ export LSM=2
++ LSM=2
++ export IOPT_DVEG=4
++ IOPT_DVEG=4
++ export IOPT_CRS=2
++ IOPT_CRS=2
++ export IOPT_RAD=3
++ IOPT_RAD=3
++ export IOPT_ALB=1
++ IOPT_ALB=1
++ export IOPT_STC=3
++ IOPT_STC=3
++ export IOPT_SFC=3
++ IOPT_SFC=3
++ export IOPT_TRS=2
++ IOPT_TRS=2
++ export IOPT_DIAG=2
++ IOPT_DIAG=2
++ export D2_BG_K1=0.20
++ D2_BG_K1=0.20
++ export D2_BG_K2=0.04
++ D2_BG_K2=0.04
++ export PSM_BC=1
++ PSM_BC=1
++ export DDDMP=0.1
++ DDDMP=0.1
++ export DZ_MIN=6
++ DZ_MIN=6
++ export USE_MERRA2=.true.
++ USE_MERRA2=.true.
++ export IAER=1011
++ IAER=1011
++ export NSTF_NAME=2,0,0,0,0
++ NSTF_NAME=2,0,0,0,0
++ export LHEATSTRG=.false.
++ LHEATSTRG=.false.
```

```
++ export LSEASPRAY=.true.
++ LSEASPRAY=.true.
++ export GWD_OPT=2
++ GWD_OPT=2
++ export KNOB_UGWP_NSLOPE=1
++ KNOB_UGWP_NSLOPE=1
++ export DO_GSL_DRAG_LS_BL=.true.
++ DO_GSL_DRAG_LS_BL=.true.
++ export DO_GSL_DRAG_SS=.true.
++ DO_GSL_DRAG_SS=.true.
++ export DO_UGWP_V1_OROG_ONLY=.false.
++ DO_UGWP_V1_OROG_ONLY=.false.
++ export DO_UGWP_V0_NST_ONLY=.false.
++ DO_UGWP_V0_NST_ONLY=.false.
++ export LDIAG_UGWP=.false.
++ LDIAG_UGWP=.false.
++ export DO_GSL_DRAG_TOFD=.false.
++ DO_GSL_DRAG_TOFD=.false.
++ export CDMBWD=0.14,1.8,1.0,1.0
++ CDMBWD=0.14,1.8,1.0,1.0
++ export DO_RRTMGP=.false.
++ DO_RRTMGP=.false.
++ export DOGP_CLDOPTICS_LUT=.true.
++ DOGP_CLDOPTICS_LUT=.true.
++ export DOGP_LWSCAT=.true.
++ DOGP_LWSCAT=.true.
++ export DOGP_SGS_CNV=.true.
++ DOGP_SGS_CNV=.true.
++ export DO_UGWP_V0=.true.
++ DO_UGWP_V0=.true.
++ export DO_UGWP_V1=.false.
++ DO_UGWP_V1=.false.
++ export DO_GSL_DRAG_LS_BL=.false.
++ DO_GSL_DRAG_LS_BL=.false.
++ export KNOB_UGWP_VERSION=0
++ KNOB_UGWP_VERSION=0
++ export DO_CA=.true.
++ DO_CA=.true.
++ export CA_SGS=.true.
++ CA_SGS=.true.
++ export CA_GLOBAL=.false.
++ CA_GLOBAL=.false.
++ export NCA=1
++ NCA=1
```

```
++ export NCELLS=5
++ NCELLS=5
++ export NLIVES=12
++ NLIVES=12
++ export NTHRESH=18
++ NTHRESH=18
++ export NSEED=1
++ NSEED=1
++ export NFRACSEED=0.5
++ NFRACSEED=0.5
++ export CA_TRIGGER=.true.
++ CA_TRIGGER=.true.
++ export NSPINUP=1
++ NSPINUP=1
++ export ISEED_CA=12345
++ ISEED_CA=12345
++ export 'FNALBC='\''C96.snowfree_albedo.tileX.nc'\''
++ FNALBC='\''C96.snowfree_albedo.tileX.nc'\''
++ export 'FNALBC2='\''C96.facsf.tileX.nc'\''
++ FNALBC2='\''C96.facsf.tileX.nc'\''
++ export 'FNTG3C='\''C96.substrate_temperature.tileX.nc'\''
++ FNTG3C='\''C96.substrate_temperature.tileX.nc'\''
++ export 'FNVEGC='\''C96.vegetation_greenness.tileX.nc'\''
++ FNVEGC='\''C96.vegetation_greenness.tileX.nc'\''
++ export 'FNVETC='\''C96.vegetation_type.tileX.nc'\''
++ FNVETC='\''C96.vegetation_type.tileX.nc'\''
++ export 'FNSOTC='\''C96.soil_type.tileX.nc'\''
++ FNSOTC='\''C96.soil_type.tileX.nc'\''
++ export 'FNSOCC='\''C96.soil_color.tileX.nc'\''
++ FNSOCC='\''C96.soil_color.tileX.nc'\''
++ export 'FNSMCC='\''global_soilmgldas.statsgo.t1534.3072.1536.grb'\''
++ FNSMCC='\''global_soilmgldas.statsgo.t1534.3072.1536.grb'\''
++ export 'FNMSKH='\''global_slmask.t1534.3072.1536.grb'\''
++ FNMSKH='\''global_slmask.t1534.3072.1536.grb'\''
++ export 'FNVMNC='\''C96.vegetation_greenness.tileX.nc'\''
++ FNVMNC='\''C96.vegetation_greenness.tileX.nc'\''
++ export 'FNVMXC='\''C96.vegetation_greenness.tileX.nc'\''
++ FNVMXC='\''C96.vegetation_greenness.tileX.nc'\''
++ export 'FNSLPC='\''C96.slope_type.tileX.nc'\''
++ FNSLPC='\''C96.slope_type.tileX.nc'\''
++ export 'FNABSC='\''C96.maximum_snow_albedo.tileX.nc'\''
++ FNABSC='\''C96.maximum_snow_albedo.tileX.nc'\''
++ export LANDICE=.false.
++ LANDICE=.false.
```

```
++ export FSICL=0
++ FSICL=0
++ export FSICS=0
++ FSICS=0
++ export USE_CICE_ALB=.true.
++ USE_CICE_ALB=.true.
++ export MIN_SEAICE=1.0e-6
++ MIN_SEAICE=1.0e-6
++ export DNATS=2
++ DNATS=2
++ export IMP_PHYSICS=8
++ IMP_PHYSICS=8
++ export LGFDLMPRAD=.false.
++ LGFDLMPRAD=.false.
++ export DO_SAT_ADJ=.false.
++ DO_SAT_ADJ=.false.
++ export SATMEDMF=.true.
++ SATMEDMF=.true.
++ export KTHERM=2
++ KTHERM=2
++ export TFREEZE_OPTION=mushy
++ TFREEZE_OPTION=mushy
++ export CPLFLX=.true.
++ CPLFLX=.true.
++ export CPLICE=.true.
++ CPLICE=.true.
++ export CPL=.true.
++ CPL=.true.
++ export CPLWAV=.true.
++ CPLWAV=.true.
++ export CPLWAV2ATM=.true.
++ CPLWAV2ATM=.true.
++ export USE_MED_FLUX=.false.
++ USE_MED_FLUX=.false.
++ export CPLCHM=.true.
++ CPLCHM=.true.
++ export CPLLND=.false.
++ CPLLND=.false.
++ export WARM_START=.false.
++ WARM_START=.false.
++ export MAKE_NH=.true.
++ MAKE_NH=.true.
++ export NA_INIT=1
++ NA_INIT=1
```

```
++ export EXTERNAL_IC=.true.
++ EXTERNAL_IC=.true.
++ export NGGPS_IC=.true.
++ NGGPS_IC=.true.
++ export MOUNTAIN=.false.
++ MOUNTAIN=.false.
++ export MOM_INPUT=MOM_input_template_100
++ MOM_INPUT=MOM_input_template_100
++ export MOM6_RESTART_SETTING=n
++ MOM6_RESTART_SETTING=n
++ export MOM6_RIVER_RUNOFF=False
++ MOM6_RIVER_RUNOFF=False
++ export FRUNOFF=
++ FRUNOFF=
++ export CHLCLIM=seawifs_1998-2006_smoothed_2X.nc
++ CHLCLIM=seawifs_1998-2006_smoothed_2X.nc
++ export MOM6_USE_LI2016=True
++ MOM6_USE_LI2016=True
++ export MOM6_THERMO_SPAN=False
++ MOM6_THERMO_SPAN=False
++ export MOM6_USE_WAVES=True
++ MOM6_USE_WAVES=True
++ export MOM6_ALLOW_LANDMASK_CHANGES=False
++ MOM6_ALLOW_LANDMASK_CHANGES=False
++ export MOM_IAU=False
++ MOM_IAU=False
++ export MOM_IAU_HRS=6
++ MOM_IAU_HRS=6
++ export DO_OCN_SPPT=False
++ DO_OCN_SPPT=False
++ export PERT_EPBL=False
++ PERT_EPBL=False
++ export OCN_SPPT=-999.
++ OCN_SPPT=-999.
++ export EPBL=-999.
++ EPBL=-999.
++ export CICE_DECOMP=slenderX2
++ CICE_DECOMP=slenderX2
++ export NPROC_ICE=10
++ NPROC_ICE=10
++ export CICE_DECOMP=slenderX2
++ CICE_DECOMP=slenderX2
+++ expr 10 / 2
++ export np2=5
```



```
++ np2=5
+++ expr 360 / 5
++ export BLCKX=72
++ BLCKX=72
+++ expr 320 / 2
++ export BLCKY=160
++ BLCKY=160
++ export MESHOCN_ICE=mesh.mx100.nc
++ MESHOCN_ICE=mesh.mx100.nc
++ export WAVDOMAIN=mx100
++ WAVDOMAIN=mx100
++ export MODDEF_WAV=mod_def.mx100
++ MODDEF_WAV=mod_def.mx100
++ export MESH_WAV=mesh.mx100.nc
++ MESH_WAV=mesh.mx100.nc
++ export CICEGRID=grid_cice_NEMS_mx100.nc
++ CICEGRID=grid_cice_NEMS_mx100.nc
++ export CICEMASK=kmtu_cice_NEMS_mx100.nc
++ CICEMASK=kmtu_cice_NEMS_mx100.nc
++ export RUNID=unknown
++ RUNID=unknown
++ export DUMPFREQ=d
++ DUMPFREQ=d
++ export DUMPFREQ_N=1000
++ DUMPFREQ_N=1000
++ export USE_RESTART_TIME=.false.
++ USE_RESTART_TIME=.false.
++ export RESTART_EXT=.false.
++ RESTART_EXT=.false.
++ export FRAZIL_FWSALT=.true.
++ FRAZIL_FWSALT=.true.
++ export CICE_HIST_AVG=.true.
++ CICE_HIST_AVG=.true.
++ export GRIDATM=A
++ GRIDATM=A
++ export GRIDOCN=A
++ GRIDOCN=A
++ export GRIDICE=B
++ GRIDICE=B
++ export WW3RSTDTHR=3
++ WW3RSTDTHR=3
+++ printf %02d 10800
++ export DT_2_RST=10800
++ DT_2_RST=10800
```

```
++ export WW3OUTDTHR=3
++ WW3OUTDTHR=3
+++ printf %02d 10800
++ export DTFLD=10800
++ DTFLD=10800
+++ printf %02d 10800
++ export DTPNT=10800
++ DTPNT=10800
++ export WAV_CUR=C
++ WAV_CUR=C
++ export WAV_ICE=C
++ WAV_ICE=C
++ export WAV_IC1=F
++ WAV_IC1=F
++ export WAV_IC5=F
++ WAV_IC5=F
++ export AOD_FRQ=060000
++ AOD_FRQ=060000
++ export RESTART_FILE_PREFIX=
++ RESTART_FILE_PREFIX=
++ export RESTART_FILE_SUFFIX_SECS=
++ RESTART_FILE_SUFFIX_SECS=
++ export RT35D=
++ RT35D=
++ export RESTART_N=12
++ RESTART_N=12
++ export 'RESTART_INTERVAL=12 -1'
++ RESTART_INTERVAL='12 -1'
++ export 'OUTPUT_FH=0 21 24'
++ OUTPUT_FH='0 21 24'
++ export INPES=3
++ INPES=3
++ export JNPES=8
++ JNPES=8
++ export atm_omp_num_threads=1
++ atm_omp_num_threads=1
++ export WRTTASK_PER_GROUP=6
++ WRTTASK_PER_GROUP=6
++ OCN_tasks=20
++ ICE_tasks=10
++ export WAV_tasks=0
++ WAV_tasks=0
++ export NPROC_ICE=10
++ NPROC_ICE=10
```

```
+++ expr 10 / 2
++ export np2=5
++ np2=5
+++ expr 360 / 5
++ export BLCKX=72
++ BLCKX=72
+++ expr 320 / 2
++ export BLCKY=160
++ BLCKY=160
++ export CPLWAV=.false.
++ CPLWAV=.false.
++ export CPLWAV2ATM=.false.
++ CPLWAV2ATM=.false.
++ export MOM6_USE_WAVES=False
++ MOM6_USE_WAVES=False
++ export eps_imesh=2.5e-1
++ eps_imesh=2.5e-1
++ export CPLCHM=.false.
++ CPLCHM=.false.
++ export DNATS=0
++ DNATS=0
++ export TOPOEDITS=ufs.topo_edits_011818.nc
++ TOPOEDITS=ufs.topo_edits_011818.nc
++ export MOM6_ALLOW_LANDMASK_CHANGES=True
++ MOM6_ALLOW_LANDMASK_CHANGES=True
++ export DIAG_TABLE=diag_table_template
++ DIAG_TABLE=diag_table_template
++ export NEMS_CONFIGURE=nems.configure.cpld_noaero_nowave.IN
++ NEMS_CONFIGURE=nems.configure.cpld_noaero_nowave.IN
++ export FV3_RUN=cpld_control_run.IN
++ FV3_RUN=cpld_control_run.IN
++ [[ linux = cheyenne ]]
+ remove_fail_test
+ echo 'Removing test failure flag file for cpld_control_nowave_noaero_p8_gnu_rst'
+ rm -f /home/builder/ufs-weather-model/tests/fail_test_rst
+ export INPUT_DIR=cpld_control_c96_noaero_p8
+ INPUT_DIR=cpld_control_c96_noaero_p8
+ export
RUNDIR=/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noae
ro_p8_gnu_rst
+
RUNDIR=/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noae
ro_p8_gnu_rst
+ export CNTL_DIR=cpld_control_c96_noaero_p8_std_base
```

```
+ CNTL_DIR=cpld_control_c96_noaero_p8_std_base
++ basename /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7
+ export JBNME=opnReqTest_7_rst
+ JBNME=opnReqTest_7_rst
++ date +%s
+ echo -n 'cpld_control_nowave_noaero_p8_gnu, 1690384670,'
+ export RT_LOG=/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/rt_rst_cpld_control_nowave_noaero_p8_gnu_rst.log
+ RT_LOG=/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/rt_rst_cpld_control_nowave_noaero_p8_gnu_rst.log
+ echo 'Test rst cpld_control_nowave_noaero_p8_gnu Fully coupled FV3-CCPP-MOM6-CICE-
CMEPS system - C96MX100'
+ source rt_utils.sh
++ set -eu
++ [[ ./run_test.sh = \r\t\_u\t|i\l\s\.\s\h ]]
++ qsub_id=0
++ slurm_id=0
++ bsub_id=0
+ source atparse.bash
+ rm -rf
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_g
nu_rst
+ mkdir -p
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_g
nu_rst
+ cd
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_g
nu_rst
+ cp /home/builder/ufs-weather-model/tests/fv3_std.exe fv3.exe
+ mkdir -p modulefiles
+ [[ linux == linux ]]
+ cp /home/builder/ufs-weather-model/tests/modules.fv3_std ./modulefiles/modules.fv3
+ cp /home/builder/ufs-weather-model/modulefiles/ufs_common.lua /home/builder/ufs-
weather-model/modulefiles/ufs_common_spack.lua ./modulefiles/
+ cp /home/builder/ufs-weather-model/tests/module-setup.sh module-setup.sh
+ [[ linux == wco2s2 ]]
+ [[ linux == acorn ]]
+ [[ linux == hera ]]
+ [[ linux == orion ]]
+ [[ linux == gaea ]]
+ [[ linux == jet ]]
+ [[ linux == cheyenne ]]
+ SRCD=/home/builder/ufs-weather-model
+
```

```
RUND=/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero
_p8_gnu_rst
+ '[' '!' -z cpld_control_run.IN ']'
+ for i in ${FV3_RUN}
+ atparse
+ local __set_x
+ '[' -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ [[ false = \t\r\u\e ]]
+ [[ true = \t\r\u\e ]]
+ [[ false = \f\a\l\s\e ]]
+ atparse
+ local __set_x
+ '[' -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ [[ -f /home/builder/ufs-weather-model/tests/parm/model_configure.IN ]]
+ atparse
+ local __set_x
+ '[' -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ compute_petbounds_and_tasks
+ [[ false = \f\a\l\s\e ]]
+ [[ 0 -eq 0 ]]
+ ATM_compute_tasks=144
+ [[ .true. = \.\t\r\u\e\. ]]
+ ATM_io_tasks=6
+ local n=0
+ unset atm_petlist_bounds ocn_petlist_bounds ice_petlist_bounds wav_petlist_bounds
chm_petlist_bounds med_petlist_bounds aqm_petlist_bounds
+ ATM_io_tasks=6
+ [[ 150 -gt 0 ]]
+ atm_petlist_bounds='0 149'
+ n=150
+ [[ 20 -gt 0 ]]
+ OCN_tasks=20
+ ocn_petlist_bounds='150 169'
+ n=170
+ [[ 10 -gt 0 ]]
+ ICE_tasks=10
+ ice_petlist_bounds='170 179'
+ n=180
```

```
+ [[ 0 -gt 0 ]]
+ chm_petlist_bounds='0 143'
+ med_petlist_bounds='0 143'
+ aqm_petlist_bounds='0 143'
+ [[ 0 -gt 0 ]]
+ UFS_tasks=180
+ echo 'ATM_petlist_bounds: 0 149'
+ echo 'OCN_petlist_bounds: 150 169'
+ echo 'ICE_petlist_bounds: 170 179'
+ echo 'WAV_petlist_bounds: '
+ echo 'CHM_petlist_bounds: 0 143'
+ echo 'MED_petlist_bounds: 0 143'
+ echo 'AQM_petlist_bounds: 0 143'
+ echo 'LND_petlist_bounds: '
+ echo 'UFS_tasks          : 180'
+ export TASKS=180
+ TASKS=180
+ [[ -f /home/builder/ufs-weather-model/tests/parm/nems.configure.cpld_noaero_nowave.IN
]]
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ [[ Q != Q ]]
+ sed -i -e '/<output_grid_02>/,/<\output_grid_02>/d' model_configure
+ [[ Q != Q ]]
+ sed -i -e '/<output_grid_03>/,/<\output_grid_03>/d' model_configure
+ [[ Q != Q ]]
+ sed -i -e '/<output_grid_04>/,/<\output_grid_04>/d' model_configure
+ [[ Q != Q ]]
+ sed -i -e '/<output_grid_05>/,/<\output_grid_05>/d' model_configure
+ [[ Q != Q ]]
+ sed -i -e '/<output_grid_06>/,/<\output_grid_06>/d' model_configure
+ [[ Qdiag_table_template != Q ]]
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ [[ Qfield_table_thompson_noaero_tke_GOCART != Q ]]
+ cp /home/builder/ufs-weather-
model/tests/parm/field_table/field_table_thompson_noaero_tke_GOCART field_table
+ [[ true == true ]]
```

```
+ cp /home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/sfc_emissivity_idx.txt
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/solarconstant_noaa_an.txt .
+ cp /home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/global_h2oprldlos.f77
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/global_o3prldlos.f77 .
+ cp /home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/aerosol.dat
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/freezeH2O.dat
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/qr_acr_qgV2.dat
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/qr_acr_qsV2.dat .
+ cp /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2009.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2011.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2012.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2013.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2014.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2015.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2016.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2017.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2018.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2019.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2020.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_2021.txt
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/fix_co2_proj/co2historicaldata_glob.txt
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/fix_co2_proj/co2monthlycyc.txt
.
+ [[ .false. != .true. ]]
+ cp /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/CFSR.SEAICE.1982.2012.monthly.clim.grb
/home/builder/data/NEMSfv3gfs/input-data-20221101/FV3_fix/IMS-
NIC.blended.ice.monthly.clim.grb /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/RTGSST.1982.2012.monthly.clim.grb /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix/global_albedo4.1x1.grb /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix/global_glacier.2x2.grb /home/builder/data/NEMSfv3gfs/input-data-
```

```
20221101/FV3_fix/global_maxice.2x2.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_shdmax.0.144x0.144.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_shdmin.0.144x0.144.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_slope.1x1.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_snoclim.1.875.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_tg3clim.2.6x1.5.grb /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix/global_vegfrac.0.144.depercent.grb
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/global_zorclim.1x1.grb
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/seaice_newland.grb .
+ cp /home/builder/ufs-weather-model/tests/parm/noahmptable.tbl .
+ [[ false == .true. ]]
+ cp /home/builder/ufs-weather-model/tests/parm/fd_nems.yaml fd_nems.yaml
+ source ./fv3_run
++ mkdir INPUT RESTART history MOM6_OUTPUT
++ [[ C96 == C96 ]]
++ FV3_DIR=FV3_input_data
++ ICERES=1.00
++ [[ .false. == .true. ]]
++ [[ C96 == C48 ]]
++ FV3_IC=/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127_mx100
++ MOM_IC=/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_IC
++ ICE_IC=/home/builder/data/NEMSFv3gfs/input-data-20221101/CICE_IC/100
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/global_soilmgldas.statsgo.t1534.3072.1536.grb .
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/global_slmask.t1534.3072.1536.grb .
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile1.nc INPUT/oro_data.tile1.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile2.nc INPUT/oro_data.tile2.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile3.nc INPUT/oro_data.tile3.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile4.nc INPUT/oro_data.tile4.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile5.nc INPUT/oro_data.tile5.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/oro_C96.mx100.tile6.nc INPUT/oro_data.tile6.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.facsf.tile1.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.facsf.tile2.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.facsf.tile3.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.facsf.tile4.nc /home/builder/data/NEMSFv3gfs/input-data-
```


20221101/FV3_fix_tiled/C96/C96.facsf.tile5.nc /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.facsf.tile6.nc /home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile1.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile2.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile3.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile4.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile5.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.maximum_snow_albedo.tile6.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.slope_type.tile1.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.slope_type.tile2.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.slope_type.tile3.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.slope_type.tile4.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.slope_type.tile5.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.slope_type.tile6.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile1.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile2.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile3.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile4.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile5.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.snowfree_albedo.tile6.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.soil_color.tile1.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.soil_color.tile2.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.soil_color.tile3.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.soil_color.tile4.nc
/home/builder/data/NEMSfv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.soil_color.tile5.nc /home/builder/data/NEMSfv3gfs/input-
data-20221101/FV3_fix_tiled/C96/C96.soil_color.tile6.nc
/home/builder/data/NEMSfv3gfs/input-data-

20221101/FV3_fix_tiled/C96/C96.soil_type.tile1.nc /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix_tiled/C96/C96.soil_type.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.soil_type.tile3.nc /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix_tiled/C96/C96.soil_type.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.soil_type.tile5.nc /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix_tiled/C96/C96.soil_type.tile6.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.substrate_temperature.tile6.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_greenness.tile6.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_fix_tiled/C96/C96.vegetation_type.tile6.nc .

```
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/CPL_FIX/aC96o100/grid_spec.nc
./INPUT
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT/C96_grid.tile1.nc /home/builder/data/NEMSFv3gfs/input-
data-20221101/FV3_input_data/INPUT/C96_grid.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_input_data/INPUT/C96_grid.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_input_data/INPUT/C96_grid.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_input_data/INPUT/C96_grid.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_input_data/INPUT/C96_grid.tile6.nc
./INPUT
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT/grid_spec.nc ./INPUT/C96_mosaic.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/KH_background_2d.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/MOM_channels_SPEAR
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/MOM_override
/home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/atmos_mosaic_tile1Xland_mosaic_tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/atmos_mosaic_tile1Xocean_mosaic_tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/hycom1_75_800m.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/interpolate_zgrid_40L.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/land_mask.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/land_mosaic_tile1Xocean_mosaic_tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/layer_coord.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/ocean_hgrid.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/ocean_mask.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/ocean_mosaic.nc
/home/builder/data/NEMSFv3gfs/input-data-20221101/MOM6_FIX/100/seawifs_1998-
2006_smoothed_2X.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/tidal_amplitude.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/topo_edits_011818.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/topog.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/ufs.topo_edits_011818.nc /home/builder/data/NEMSFv3gfs/input-data-
20221101/MOM6_FIX/100/vgrid_75_2m.nc ./INPUT
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/CICE_FIX/100/grid_cice_NEMS_mx100.nc .
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/CICE_FIX/100/kmtu_cice_NEMS_mx100.nc .
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/CICE_FIX/100/mesh.mx100.nc .
++ [[ .false. == .true. ]]
++ '[' .false. = .true. ']'
++ OPNREQ_TEST=false
++ SUFFIX=_rst
```

```
++ '[' .false. = .false. ]'  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile1.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile2.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile3.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile4.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile5.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/sfc_data.tile6.nc ./INPUT  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile1.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile2.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile3.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile4.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile5.nc  
/home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_data.tile6.nc ./INPUT  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data/INPUT_L127_mx100/gfs_ctrl.nc ./INPUT  
++ [[ .false. == .true. ]]  
++ [[ C96 == C48 ]]  
++ cp /home/builder/data/NEMSfv3gfs/input-data-20221101/MOM6_IC/MOM6_IC_TS_2021032206.nc  
./INPUT/MOM6_IC_TS.nc  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/CICE_IC/100/cice_model_1.00.cpc.res_20210322.nc ./cice_model.res.nc  
++ '[' .false. = .true. ]'  
++ '[' 1011 = 1011 ]'  
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m01.nc  
aeroclim.m01.nc  
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12  
++ cp /home/builder/data/NEMSfv3gfs/input-data-  
20221101/FV3_input_data_INCCN_aeroclim/MERRA2/merra2.aerclim.2003-2014.m02.nc  
aeroclim.m02.nc  
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
```

```
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m03.nc
aerochim.m03.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m04.nc
aerochim.m04.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m05.nc
aerochim.m05.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m06.nc
aerochim.m06.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m07.nc
aerochim.m07.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m08.nc
aerochim.m08.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m09.nc
aerochim.m09.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m10.nc
aerochim.m10.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m11.nc
aerochim.m11.nc
++ for n in 01 02 03 04 05 06 07 08 09 10 11 12
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/MERRA2/merra2.aerchim.2003-2014.m12.nc
aerochim.m12.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/aer_data/LUTS/optics_BC.v1_3.dat optics_BC.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aerochim/aer_data/LUTS/optics_OC.v1_3.dat optics_OC.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
```

```
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_DU.v15_3.dat optics_DU.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_SS.v3_3.dat optics_SS.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data_INCCN_aeroclim/aer_data/LUTS/optics_SU.v1_3.dat optics_SU.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_input_data/ugwp_c384_tau.nc
./ugwp_limb_tau.nc
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ls.tile6.nc ./INPUT
++ cp /home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile1.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile2.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile3.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile4.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile5.nc
/home/builder/data/NEMSFv3gfs/input-data-
20221101/FV3_input_data/INPUT_L127/oro_data_ss.tile6.nc ./INPUT
++ '[' 8 = 8 ']'
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/CCN_ACTIVATE.BIN
CCN_ACTIVATE.BIN
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/freezeH20.dat
freezeH20.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/qr_acr_qgV2.dat
qr_acr_qgV2.dat
++ cp /home/builder/data/NEMSFv3gfs/input-data-20221101/FV3_fix/qr_acr_qsV2.dat
qr_acr_qsV2.dat
++ '[' .false. = .true. ']'
+ [[ .false. == .true. ]]
+ [[ .false. == .true. ]]
+ [[ false = \t\r\u\e ]]
```

```
+ [[ true = \t\r\u\e ]]
+ [[ false = \f\a\l\s\e ]]
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ atparse
+ local __set_x
+ '[' -o xtrace -o xtrace ']'
+ __set_x='set -x'
+ set +x
+ [[ false = \t\r\u\e ]]
+ [[ Q != Q ]]
+ [[ .false. == .true. ]]
+ [[ false = \t\r\u\e ]]
+ [[ false = \t\r\u\e ]]
+ TPN=40
+ (( TASKS < TPN ))
+ export TPN
+ NODES=4
+ (( NODES * TPN < TASKS ))
+ NODES=5
+ export NODES
+ TASKS=200
+ export TASKS
+ [[ none = \p\b\s ]]
+ [[ none = \s\l\u\r\m ]]
+ [[ none = \l\s\f ]]
+ export OMP_ENV=
+ OMP_ENV=
+ [[ none = \n\o\n\e ]]
+ ulimit -s unlimited
+ [[ true = \t\r\u\e ]]
```

```
+ eval mpiexec -n 200 ./fv3.exe
++ tee err
++ mpiexec -n 200 ./fv3.exe
'dbg'] + [[ false = false ]]
+ check_results
+ '[' -o xtrace -o xtrace ']'
+ set_x='set -x'
+ set +x
+ [[ none != \n\o\n\e ]]
+ [[ false = true ]]
++ date +%s
+ echo ' 1690384694, 4'
+ [[ false = true ]]
+ elapsed=3407
+ echo 'Elapsed time 3407 seconds. Test control_p8_gnu'
+ '[' 0 -eq 0 -o 0 -eq 0 ']'
cat: '/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/compile_*_time.log': No such file or directory
```

baseline dir =

/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_dbg_base_gnu

working dir =

/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_gnu_dbg_base

Checking test dbg_base control_p8_gnu results

Moving baseline dbg_base control_p8_gnu files

Moving sfcf000.ncOK

Moving sfcf021.ncOK

Moving sfcf024.ncOK

Moving atmf000.ncOK

Moving atmf021.ncOK

Moving atmf024.ncOK

Moving GFSFLX.GrbF00OK

Moving GFSFLX.GrbF21OK

Moving GFSFLX.GrbF24OK

Moving GFSPRS.GrbF00OK

Moving GFSPRS.GrbF21OK

Moving GFSPRS.GrbF24OK

Moving RESTART/20210323.060000.coupler.resOK

Moving RESTART/20210323.060000.fv_core.res.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile3.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile4.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile5.ncOK


```
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
```

The total amount of wall time = 3394.981026

The maximum resident set size (KB) = 1253380

Test dbg_base control_p8_gnu PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:58m:04s. Have a nice day!

opnReqTest finished

'rst']

WARNING from PE 0: MOM_obsolete_params: ETA_TOLERANCE_AUX is an obsolete run-time flag.

WARNING from PE 0: Open_file is appending .nc to the filename
MOM6_OUTPUT/ocean_geometry

[Pipeline] }

[Pipeline] // stage

```
Post stage
[Pipeline] sh
'dbg'] ++ docker image ls
++ grep -E -m1 ci-test-weather
++ awk '{ print $3 }'
+ docker rmi -f 06e2a4f5e321
Untagged: ci-test-weather:latest
Deleted: sha256:06e2a4f5e3214e5ddc8b7603bba6882c1cee7dd94bb8e359ba63e79c4c83fbc7
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 7b27d07d379a
Untagged: noaaepic/input-data:20221101
Untagged: noaaepic/input-
data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7
Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49
Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'rst']
WARNING from PE      0: MEKE_init: Initializing MEKE with a local equilibrium balance.

WARNING from PE      0: KVML is a deprecated parameter. Use KV_ML_INVZ2 instead.

WARNING from PE      0: set_diffusivity_init: SIMPLE_TKE_TO_KD can not be used reliably
with USE_REGRIDDING.

WARNING from PE      0: read_field_2d:time level specified, but the variable tideamp does
not have an unlimited dimension in INPUT/tidal_amplitude.nc

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_INCUPD_FILE =
"mom6_increment.nc"
```

```

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_TEMPINC_VAR = "pt_inc"

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_SALTINC_VAR = "s_inc"

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_THK_VAR = "h_fg"

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_UINC_VAR = "u_inc"

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_VINC_VAR = "v_inc"

WARNING from PE      0: Unused line in INPUT/MOM_input : ODA_INCUPD_NHOURS = 6

WARNING from PE      0: Unused line in INPUT/MOM_input : WAVE_METHOD = "SURFACE_BANDS"

WARNING from PE      0: Unused line in INPUT/MOM_input : SURFBAND_SOURCE = "COUPLER"

WARNING from PE      0: Unused line in INPUT/MOM_input : STK_BAND_COUPLER = 3

WARNING from PE      0: Unused line in INPUT/MOM_input : SURFBAND_WAVENUMBERS = 0.04,
0.11, 0.3305

```

```

'dcp'] + [[ false = false ]]
+ check_results
+ '[' -o xtrace ']'
+ set_x='set -x'
+ set +x
+ [[ none != \n\o\n\e ]]
+ [[ false = true ]]
++ date +%s
+ echo ' 1690385361, 3'
+ [[ false = true ]]
+ elapsed=2140
+ echo 'Elapsed time 2140 seconds. Test regional_control_gnu'

```

```
+ '[' 0 -eq 0 ']'
cat: '/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/compile*_time.log': No such file or directory
```

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/regional_control_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/regional_control_gnu_dcp
Checking test dcp regional_control_gnu results ....
Comparing dynf000.nc .....OK
Comparing dynf006.nc .....OK
Comparing phyf000.nc .....OK
Comparing phyf006.nc .....OK
Comparing PRSLEV.GrbF00 .....OK
Comparing PRSLEV.GrbF06 .....OK
Comparing NATLEV.GrbF00 .....OK
Comparing NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 2131.052964
The maximum resident set size (KB)      = 816616
```

```
Test dcp regional_control_gnu PASS
```

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/regional_control_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/regional_control_gnu_std_base
Checking test std_base regional_control_gnu results ....
Moving baseline std_base regional_control_gnu files ....
Moving dynf000.nc .....OK
Moving dynf006.nc .....OK
Moving phyf000.nc .....OK
Moving phyf006.nc .....OK
Moving PRSLEV.GrbF00 .....OK
Moving PRSLEV.GrbF06 .....OK
Moving NATLEV.GrbF00 .....OK
Moving NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 2093.241104
The maximum resident set size (KB)      = 818368
```

```
Test std_base regional_control_gnu PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 01h:13m:31s. Have a nice day!
opnReqTest finished
[Pipeline] }
[Pipeline] // stage
Post stage
[Pipeline] sh
'dcp'] ++ docker image ls
++ grep -E -m1 ci-test-weather
++ awk '{ print $3 }'
+ docker rmi -f 2de105e0ddd2
Untagged: ci-test-weather:latest
Deleted: sha256:2de105e0ddd2246aa9d5059a6cdb876589458af9879e09e154d444a425f5ea96
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 7b27d07d379a
Untagged: noaaepic/input-data:20221101
Untagged: noaaepic/input-
data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7
Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49
Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'thr'] + [[ false = false ]]
+ check_results
+ '[' -o xtrace ']'
+ set_x='set -x'
+ set +x
+ [[ none != \n\o\n\e ]]
+ [[ false = true ]]
++ date +%s
+ echo ' 1690385879, 3'
+ [[ false = true ]]
+ elapsed=2236
+ echo 'Elapsed time 2236 seconds. Test regional_control_gnu'
```

```
+ '[' 0 -eq 0 ']'
cat: '/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/compile_*_time.log': No such file or directory
```

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/regional_control_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/regional_control_gnu_std_base
Checking test std_base regional_control_gnu results ....
Moving baseline std_base regional_control_gnu files ....
  Moving dynf000.nc .....OK
  Moving dynf006.nc .....OK
  Moving phyf000.nc .....OK
  Moving phyf006.nc .....OK
  Moving PRSLEV.GrbF00 .....OK
  Moving PRSLEV.GrbF06 .....OK
  Moving NATLEV.GrbF00 .....OK
  Moving NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 2247.766992
The maximum resident set size (KB)      = 832728
```

```
Test std_base regional_control_gnu PASS
```

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/regional_control_std_base_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/regional_control_gnu_thr
Checking test thr regional_control_gnu results ....
  Comparing dynf000.nc .....OK
  Comparing dynf006.nc .....OK
  Comparing phyf000.nc .....OK
  Comparing phyf006.nc .....OK
  Comparing PRSLEV.GrbF00 .....OK
  Comparing PRSLEV.GrbF06 .....OK
  Comparing NATLEV.GrbF00 .....OK
  Comparing NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 2226.127746
The maximum resident set size (KB)      = 814300
```

```
Test thr regional_control_gnu PASS
```

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:17m:42s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

'thr'] ++ docker image ls

++ grep -E -m1 ci-test-weather

++ awk '{ print \$3 }'

+ docker rmi -f 17d29b8b656c

Untagged: ci-test-weather:latest

Deleted: sha256:17d29b8b656cd38d70848210e6ac6e5c05db9cc453df0a36c271a4dac2b8ee14

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 7b27d07d379a

Untagged: noaaepic/input-data:20221101

Untagged: noaaepic/input-

data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7

Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49

Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2

Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

'dbg'] Memuse(MB) at Memory HiWaterMark= 6.052E+02 6.547E+02

9.927E+00 6.154E+02

'rst'] Memuse(MB) at Memory HiWaterMark= 5.928E+02 6.427E+02

1.191E+01 6.045E+02

+ [[false = false]]

+ check_results

+ '[' -o xtrace ']

+ set_x='set -x'

+ set +x

+ [[none != \n\o\n\e]]

+ [[false = true]]

++ date +%s

```
+ echo ' 1690387915, 5'  
+ [[ false = true ]]  
+ elapsed=3245  
+ echo 'Elapsed time 3245 seconds. Test cpld_control_nowave_noaero_p8_gnu'  
+ '[' 0 -eq 0 ]'  
cat: '/home/builder/ufs-weather-  
model/tests/logs/log_opnReqTest_linux/compile_*_time.log': No such file or directory
```

baseline dir =

/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_b
ase_gnu

working dir =

/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_g
nu_rst

Checking test rst cpld_control_nowave_noaero_p8_gnu results

```
Comparing sfcf021.tile1.nc .....OK  
Comparing sfcf021.tile2.nc .....OK  
Comparing sfcf021.tile3.nc .....OK  
Comparing sfcf021.tile4.nc .....OK  
Comparing sfcf021.tile5.nc .....OK  
Comparing sfcf021.tile6.nc .....OK  
Comparing atmf021.tile1.nc .....OK  
Comparing atmf021.tile2.nc .....OK  
Comparing atmf021.tile3.nc .....OK  
Comparing atmf021.tile4.nc .....OK  
Comparing atmf021.tile5.nc .....OK  
Comparing atmf021.tile6.nc .....OK  
Comparing sfcf024.tile1.nc .....OK  
Comparing sfcf024.tile2.nc .....OK  
Comparing sfcf024.tile3.nc .....OK  
Comparing sfcf024.tile4.nc .....OK  
Comparing sfcf024.tile5.nc .....OK  
Comparing sfcf024.tile6.nc .....OK  
Comparing atmf024.tile1.nc .....OK  
Comparing atmf024.tile2.nc .....OK  
Comparing atmf024.tile3.nc .....OK  
Comparing atmf024.tile4.nc .....OK  
Comparing atmf024.tile5.nc .....OK  
Comparing atmf024.tile6.nc .....OK  
Comparing RESTART/20210323.060000.coupler.res .....OK  
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
```



```
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.MOM.res.nc .....OK
Comparing RESTART/iced.2021-03-23-21600.nc .....OK
Comparing RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
```

The total amount of wall time = 3197.183729

The maximum resident set size (KB) = 1369448

Test rst cpld_control_nowave_noaero_p8_gnu PASS

baseline dir =

/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base_gnu

working dir =

/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_gnu_std_base

Checking test std_base cpld_control_nowave_noaero_p8_gnu results

```
Moving baseline std_base cpld_control_nowave_noaero_p8_gnu files ....
Moving sfcf021.tile1.nc .....OK
Moving sfcf021.tile2.nc .....OK
Moving sfcf021.tile3.nc .....OK
Moving sfcf021.tile4.nc .....OK
Moving sfcf021.tile5.nc .....OK
Moving sfcf021.tile6.nc .....OK
Moving atmf021.tile1.nc .....OK
Moving atmf021.tile2.nc .....OK
Moving atmf021.tile3.nc .....OK
Moving atmf021.tile4.nc .....OK
Moving atmf021.tile5.nc .....OK
Moving atmf021.tile6.nc .....OK
Moving sfcf024.tile1.nc .....OK
Moving sfcf024.tile2.nc .....OK
Moving sfcf024.tile3.nc .....OK
Moving sfcf024.tile4.nc .....OK
Moving sfcf024.tile5.nc .....OK
Moving sfcf024.tile6.nc .....OK
Moving atmf024.tile1.nc .....OK
Moving atmf024.tile2.nc .....OK
Moving atmf024.tile3.nc .....OK
Moving atmf024.tile4.nc .....OK
Moving atmf024.tile5.nc .....OK
Moving atmf024.tile6.nc .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
```

```

Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Moving RESTART/20210323.060000.MOM.res.nc .....OK
Moving RESTART/iced.2021-03-23-21600.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK

```

The total amount of wall time = 3156.880518

The maximum resident set size (KB) = 1376992

Test std_base cpld_control_nowave_noaero_p8_gnu PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:50m:13s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

```
'rst'] ++ docker image ls
```

```
++ grep -E -m1 ci-test-weather
```

```
++ awk '{ print $3 }'
```

```
+ docker rmi -f 0f002b6bb643
```

```
Untagged: ci-test-weather:latest
```

```
Deleted: sha256:0f002b6bb6439550b0684fa836c0025d2e6bd0a19659250fa8869bb799c5cebc
```

```
++ docker image ls
```

```
++ grep -E -m1 noaaepic
```

```
++ awk '{ print $3 }'
```

```
+ docker rmi -f 7b27d07d379a
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7
```

```
Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49
```

```
Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2
```

```
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'dbg'] + [[ false = false ]]
+ check_results
+ '[' -o xtrace -o xtrace ']'
+ set_x='set -x'
+ set +x
+ [[ none != \n\o\n\e ]]
+ [[ false = true ]]
++ date +%s
+ echo ' 1690387941, 5'
+ [[ false = true ]]
+ elapsed=6667
+ echo 'Elapsed time 6667 seconds. Test cpld_control_nowave_noaero_p8_gnu'
+ '[' 0 -eq 0 -o xtrace ']'
cat: '/home/builder/ufs-weather-
model/tests/logs/log_opnReqTest_linux/compile_*_time.log': No such file or directory

baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_dbg_b
ase_gnu
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_g
nu_dbg_base
Checking test dbg_base cpld_control_nowave_noaero_p8_gnu results ....
Moving baseline dbg_base cpld_control_nowave_noaero_p8_gnu files ....
  Moving sfcf021.tile1.nc .....OK
  Moving sfcf021.tile2.nc .....OK
  Moving sfcf021.tile3.nc .....OK
  Moving sfcf021.tile4.nc .....OK
  Moving sfcf021.tile5.nc .....OK
  Moving sfcf021.tile6.nc .....OK
  Moving atmf021.tile1.nc .....OK
  Moving atmf021.tile2.nc .....OK
  Moving atmf021.tile3.nc .....OK
  Moving atmf021.tile4.nc .....OK
```

```
Moving atmf021.tile5.nc .....OK
Moving atmf021.tile6.nc .....OK
Moving sfcf024.tile1.nc .....OK
Moving sfcf024.tile2.nc .....OK
Moving sfcf024.tile3.nc .....OK
Moving sfcf024.tile4.nc .....OK
Moving sfcf024.tile5.nc .....OK
Moving sfcf024.tile6.nc .....OK
Moving atmf024.tile1.nc .....OK
Moving atmf024.tile2.nc .....OK
Moving atmf024.tile3.nc .....OK
Moving atmf024.tile4.nc .....OK
Moving atmf024.tile5.nc .....OK
Moving atmf024.tile6.nc .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
```

```
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Moving RESTART/20210323.060000.MOM.res.nc .....OK
Moving RESTART/iced.2021-03-23-21600.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
```

The total amount of wall time = 6651.958283

The maximum resident set size (KB) = 1387976

Test dbg_base cpld_control_nowave_noaero_p8_gnu PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:52m:31s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

'dbg'] ++ docker image ls

++ grep -E -m1 ci-test-weather

++ awk '{ print \$3 }'

+ docker rmi -f 036ad11a5e3e

Untagged: ci-test-weather:latest

Deleted: sha256:036ad11a5e3e6dff0e307df2c14c3ff2c80044d44e6bffa4b582e2905809116e

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 7b27d07d379a

Untagged: noaaepic/input-data:20221101

Untagged: noaaepic/input-

data@sha256:2cdbef8d51117d5c582f1cee53f7c015ce1ff312e9ecd3ad08f02b81806ea2f7

Deleted: sha256:7b27d07d379ad4e877a5d402a887ba83ef3192c087efc77710d40a27a3b3bf49

Deleted: sha256:5cf42132d30819c755ee448c1e0bac7221b2cf34629298e10e8c84cfed8acfc2

Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

[Pipeline] // parallel

```
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] End of Pipeline
```

GitHub has been notified of this commit's build result

Finished: SUCCESS

Jenkins 2.401.1