



Dashboard    ufs-weather-model    ort-docker-pipeline    Pull Requests (9)    PR-1625    #1

Status

Changes

Console Output

View as plain text

Edit Build Information

Git Build Data

Open Blue Ocean

Restart from Stage

Rebuild

Pipeline Steps

Workspaces

## Console Output

Skipping 443 KB.. [Full Log](#)

```
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 = 980.702043

The maximum resident set size (KB) = 1712796

Test thr control\_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:43m:48s. 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 96037ea7fbd5
Untagged: ci-test-weather:latest
Deleted: sha256:96037ea7fbd55424f6b5f5160ddf55085069c9880ff7970ad061b4e18f3711b2
Deleted: sha256:0416ab493945cc7c3e22a070cdca9b96560916a692d6ea86d149e646d8bad12e
Deleted: sha256:bd7b6ddbe762e7399692754630eb8f80edc8af243d41cb7f9fdbe49e232ef259
Deleted: sha256:946ce4f4d733618c3ee2c7904fa9ef624015c7b2ba7057f4c997b941d85098f6
Deleted: sha256:390d24d734ccb1db70492d6b18918bc78577bbf4c0764dac3a6dd4b2cb8e469f
Deleted: sha256:e55cdba6d08106d022d7ddc1dcad531ff8d45459b99d49f91ed0183528d60951
Deleted: sha256:92c0f25b0de818e1764cb8a5859718a83b8ca41e4ae889378e78cdb50b17e464
Deleted: sha256:8f04e460ff5a72658a2fe5c0ee727d87024fa3bc7c5eab1727739602a542cb13
Deleted: sha256:970dbff556d45640aebb9af84f525b8c352b3b7624db989b2484677238e7644e
Deleted: sha256:8609d4857aab8c157f4cb7e6c6bbd8adda3f19996c9389f3707f2360c8deb7cd
Deleted: sha256:80dd26626dda7fa322d051a8114aa17fec70e2864168373f6512ccabb12581c2
Deleted: sha256:85c59829467381ec4f3572252fc54045fdb8e592aa0b69b190758029b7efd6f0
Deleted: sha256:80089caac8f87813eafddb7a5d374804c8b189f09756b9e4bedcc2fbe0eb1509
Deleted: sha256:70db793f225561f9dddaab4e70143b13eeaa0b3c9255fff8c46757c88c79c24
Deleted: sha256:e78770597fb7813a6c10baf972a00ef41b6d0f8e8d75b69f0edb6cfa45682eb3
Deleted: sha256:dcf90de35ca5a0997605582287954f456e54a05704a7e08831705585ae7a8f1a
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
```

```
[Pipeline] }  
'thr'] ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
PROCESS MISCLN done  
PROCESS MDL2STD_P done  
PROCESS FIXED done  
MDL2THANDPV starts  
MDL2THANDPV ends  
PROCESS MDL2THANDPV done  
PROCESS CALRAD_WCLOUD done  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
PROCESS done  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1  
        ient,iget =      1010      -1  
        ient,iget =      1007      -1  
        ient,iget =      1008      -1  
        ient,iget =      1009      -1
```

```

ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1

```

Size of pset is: 219

dataset is: NATLEV

MXFLD is: 1200

size of lvlxml: 241500

size of post\_avblflds param 219

in readxml. nfld= 219 nrecout= 1569

PROCESS starts

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

'thr'] PROCESS MDLFLD done

'rst'] ++ mpiexec -n 80 ./fv3.exe

```

(MOM_cap:InitializeAdvertise)current time: y,m,d-      2021      3      22
h,m,s=      18      0      0

```

```

(MOM_cap:InitializeAdvertise)start time: y,m,d-      2021      3      22 h,m,s=
6      0      0

```

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

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

'thr'] PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

```
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
```

PROCESS CLDRAD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```

PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'rst'] Using non-aerosol-aware version of Thompson microphysics
      calling table_ccnAct routine
      creating qc collision eff tables
      creating rain evap table
      creating ice converting to snow table
      creating rain collecting graupel table
      creating freezing of water drops table
      ... DONE microphysical lookup tables
'thr'] Running test for thr
      THRD: 2; INPES: 5; JNPES: 11; TPN: 20
++ mpiexec -n 70 ./fv3.exe
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=      47
      xml_perl_data read Post flat file
      allocate paramset to :      2
      allocate param to :      112
      sum num_post_afld :      112
      allocate param to :      209
      sum num_post_afld :      321
      in readxml, aft read flat file.xml,num_post_afld=      209
      in readxml, aft read flat file.xml,num_pset=      2
      Size of pset is:      209
      datset is: GFSPRS
      MXFLD is:      1200
      size of lvl$xml:      160500
      size of post_avblflds param      209
      in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done

```



PROCESS MDL2STD\_P done  
PROCESS FIXED done  
MDL2THANDPV starts  
MDL2THANDPV ends  
PROCESS MDL2THANDPV done  
PROCESS CALRAD\_WCLOUD done

ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
PROCESS done		
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
'dcp'] reset of fraction_interval w      5  21600.0000
reset of fraction_interval w      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval v      5  21600.0000
reset of fraction_interval v      5  21600.0000
```

```
'thr']
```

WARNING from PE 0: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 1: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 2: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 3: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 4: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 6: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 7: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 8: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 9: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 10: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 11: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 12: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 13: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 14: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 15: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 16: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 17: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 18: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 19: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 20: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 21: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 22: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 23: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 24: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 25: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 31: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 32: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 33: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 34: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 35: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 36: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 37: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 38: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 39: atmos\_modeldefine\_blocks\_packed: domain ( 64 17) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 24

WARNING from PE 40: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 41: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 42: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 43: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 44: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 45: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 46: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 47: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 48: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 50: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 51: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 52: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 53: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 54: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 5: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

WARNING from PE 49: atmos\_modeldefine\_blocks\_packed: domain ( 64 18) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 4

Using non-aerosol-aware version of Thompson microphysics



```

    calling table_ccnAct routine
    creating qc collision eff tables
    creating rain evap table
    creating ice converting to snow table
    creating rain collecting graupel table
    creating freezing of water drops table
    ... DONE microphysical lookup tables
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          219
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done

```

PROCESS MDL2AGL done

PROCESS SURFCE done

numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000
numr,dyval,DY_m=	0	3000000	333600.000

PROCESS CLDRAD done

ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1

PROCESS done

ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1

```

ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1

```

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

```
    ient,iget =      1010      -1
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
    ient,iget =      1007      -1
    ient,iget =      1008      -1
    ient,iget =      1009      -1
    ient,iget =      1010      -1
    ient,iget =      1007      -1
    ient,iget =      1008      -1
    ient,iget =      1007      -1
    ient,iget =      1008      -1
    ient,iget =      1009      -1
    ient,iget =      1010      -1
    ient,iget =      1007      -1
    ient,iget =      1008      -1
    ient,iget =      1009      -1
    ient,iget =      1010      -1
    ient,iget =      1009      -1
    ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
    ient,iget =      1007      -1
    ient,iget =      1008      -1
    ient,iget =      1009      -1
    ient,iget =      1010      -1
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

```

ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      112
sum num_post_afld :      112
allocate param to :      209
sum num_post_afld :      321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      209
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108

```

```
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
datset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```



```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

```
ient,iget =          1009          -1
ient,iget =          1010          -1
```

```
cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/compile_*_time.log':
No such file or directory
```

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
```

```
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_dcp
```

```
Checking test dcp control_p8 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           = 1468.225198
The maximum resident set size (KB)     = 1435788
```

Test dcp control\_p8 PASS

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
```

Checking test std\_base control\_p8 results ....

Moving baseline std\_base control\_p8 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           = 1474.523646
The maximum resident set size (KB)     = 1425896

```

Test std\_base control\_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:52m:07s. 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 e9f6b7510641
```

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

```
Deleted: sha256:e9f6b75106412d4ea4c7c267084d360bd175e963d7c29a92688f120200dade33
```

```
Deleted: sha256:ac4e645f9a86517de9f35b3a65cf9b1ee36e5cc654bf761476f983255d9c2ee7
```

```
Deleted: sha256:86bc8d17b6267b9eeae05220bc24d7c54d2a8e7c8545e852fb308f778fb27a40
```

```
Deleted: sha256:64f7cc6fec91c160574469aef768c90430dd0f975559d36b641d4b3e5f7aabf9
```

```
Deleted: sha256:1a66726930ca3b34f96e9f7de57b7f1334a11f0a9f6cddf86d1e3eb6bcfdeada
```

```
Deleted: sha256:73e4b1cbcee413e3e87f78878e98d2b759e375421662eb59d90e36daeb239b6e
```

```
Deleted: sha256:fd84941351ea5ce703db35d01593a7284da781354b1dd5fc0a42b74af16135de
```

```
Deleted: sha256:255bd2bc29e468235290495872e84883f6e423da6482c0595e41c0eafe268de1
Deleted: sha256:c0f3ef7c199a407ba82851995180ce04795c72c820a29f93c7cacf35aefe4404
Deleted: sha256:20ae94a808d195ebbc7fbd85002070b1bb0e8a71e69e6fff9a3de598e0fcb46f
Deleted: sha256:3fa73abd880626de77e0a6c6311b0d8a646efa6efc0dfb6e9bc6e81c703cb9f3
Deleted: sha256:ca60bd068deac8b3e083253fc36857515eabad243afbd43b0913eee625cc586
Deleted: sha256:9982f60b539328591f1f2dd488ac28850b8f065840aace891b99cb691dd726f3
Deleted: sha256:1f6c9529c21b795c94c9a73b5d93d022c6d7f76fd59c3ce7f69277235e12a0f1
Deleted: sha256:a6cebcba86ad79e141c51563b4112a0e55f940038a15149ed9e423363b49c58b
Deleted: sha256:7bb1f04d75fa7838c296ab21fa88284c392605e97f8fa2e1a392f67963d0add3
```

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 1920f81f6556

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-

stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8

Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738

Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbdbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

'dcp'] PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

numr,dyval,DY\_m= 0 3000000 333600.000

```
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
```

```
[Pipeline] // stage
```

```
[Pipeline] }
```

```
'dcp'] PROCESS CLDRAD done
```

```
PROCESS MISCLN done
```

```
PROCESS MDL2STD_P done
```

```
ient,iget =          1007          -1
```

```
PROCESS FIXED done
```

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

```
PROCESS MDL2THANDPV done
```

```
PROCESS CALRAD_WCLOUD done
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
PROCESS done
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

Running test for dcp

THRD: 1; INPES: 5; JNPES: 12; TPN: 40

++ mpiexec -n 80 ./fv3.exe

WARNING from PE 0: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 31: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) 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 ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 2: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 3: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) 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 ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 33: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 34: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 35: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 36: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 37: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 38: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 39: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 40: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 41: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 42: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 43: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 44: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 45: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 46: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 47: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 48: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 50: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 51: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 52: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 53: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 54: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 55: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 56: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 57: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 58: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 59: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 32: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

WARNING from PE 49: atmos\_modeldefine\_blocks\_packed: domain ( 64 16) is not an even divisor with definition ( 28) - blocks will not be uniform with a remainder of 16

Using non-aerosol-aware version of Thompson microphysics

calling table\_ccnAct routine  
creating qc collision eff tables  
creating rain evap table  
creating ice converting to snow table  
creating rain collecting graupel table  
creating freezing of water drops table  
... DONE microphysical lookup tables

'mpi'] in readxml,bf readxml,size(post\_avblflds%param)= 1

```
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :           112
sum num_post_afld :           112
allocate param to :           209
sum num_post_afld :           321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
Size of pset is:      112
datset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
```

```
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```

ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000

```



```
numr,dyval,DY_m=      0      3000000   333600.000
numr,dyval,DY_m=      0      3000000   333600.000
numr,dyval,DY_m=      0      3000000   333600.000
numr,dyval,DY_m=      0      3000000   333600.000
```

PROCESS CLDRAD done

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

PROCESS done

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```
ient,iget =          1010          -1
```

```
ient,iget =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

```

ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
dataset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done

```

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

'mpi'] in readxml,bf readxml,size(post\_avblflds%param)= 47

xml\_perl\_data read Post flat file

allocate paramset to : 2

allocate param to : 112

sum num\_post\_afld : 112

allocate param to : 209

sum num\_post\_afld : 321

```
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:      209
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
```

```
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/compile*_time.log':
No such file or directory
```

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
```

```
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_mpi
```

```
Checking test mpi control_p8 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 = 1887.235258

The maximum resident set size (KB) = 1572052

Test mpi control\_p8 PASS

baseline dir = /home/builder/stmp4/builder/FV3\_OPNREQ\_TEST/OPNREQ\_TEST/control\_p8\_std\_base

working dir = /home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/control\_p8\_std\_base

Checking test std\_base control\_p8 results ....

Moving baseline std\_base control\_p8 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 = 1457.920780

The maximum resident set size (KB) = 1429416

Test std\_base control\_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:58m:50s. 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 aa986962e882
```

```

Untagged: ci-test-weather:latest
Deleted: sha256:aa986962e882bef0b49d53a247a230f49828ffd8d5e305e872dd3c8c3f7d278a
Deleted: sha256:0b6c7c6b84bfd660d8aa8746b639bc94a9ca3030d38a6aafa02e513b518502c7
Deleted: sha256:18febedb3f8aa5a4d30735ce9a4280c22db53de0c0f0440e1bbe5276b620e093
Deleted: sha256:78d2d63dee1d19803294b25cef00bcd58003a72f822c61e606868e0469472fae
Deleted: sha256:2ca2b0ad43c996e90774b4bb31a5a750660d8a8ff8348c6505e58c8dbde5ca3f
Deleted: sha256:d6bd81279125c51a44a3fcdf140270ce981aaf18242d4f5185c585618d1cfd3c
Deleted: sha256:a6953b8c79aa85719bfaf1f90bd18eaad7d2bdcaf3150ccc2af3d5c9693669f2
Deleted: sha256:b169594ab825cd717bf69d9c2632b25ce61a8022e1c1e0c3d9c751658be08596
Deleted: sha256:d4d9ab2851821179e1303f029fad58319a37282a5db22767eff70ac212be9c4a
Deleted: sha256:80aeb55beea0ac3560316b436ef1e105653e011428192ed7eb8ca4fe67cdc377
Deleted: sha256:b54590de1f57cfd90f706903294817f0e7c83db9dafa74b12612904528ce1d11
Deleted: sha256:9a0b2c3f67d1fa412e200dcf266bea9d984122695ea6ecd574b3a7b4fffb9733e
Deleted: sha256:d474b9e05a099abc389e975fe4468c78b29f0ca68a7c036a58facc7117e1779c
Deleted: sha256:fedda14d5ac1496c21a35812be9bbe114e3f0e8846d3c8c08c67861af993f986
Deleted: sha256:3810d5c008620cb18b2f12d4caa8c835a4c77bdb7e3b06d79438e834bdc22e4f
Deleted: sha256:3511ad1b6caf7819e30121cca601063b1363c29a0e4fa8d893d7df280fedf45
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbdbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }

```

```

'thr'] reset of fraction_interval w          5  10800.0000
reset of fraction_interval w          5  10800.0000
reset of fraction_interval u          5  10800.0000
reset of fraction_interval u          5  10800.0000
reset of fraction_interval v          5  10800.0000
reset of fraction_interval v          5  10800.0000
in readxml,bf readxml,size(post_avblflds%param)=          219
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000
PROCESS CLDRAD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1

```

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

Size of pset is: 219

```
dataset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
'rst'] cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/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_base
```

```
working dir =
```

```
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_rst
```

```
Checking test rst cpld_control_nowave_noaero_p8 results ....
```

```
Comparing RESTART/20210323.060000.MOM.res.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/iced.2021-03-23-21600.nc .....OK  
Comparing RESTART/ufs.cpld.cpl.r.2021-03-23-21600.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 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

The total amount of wall time = 1318.430817

The maximum resident set size (KB) = 1446192

Test rst cpld\_control\_nowave\_noaero\_p8 PASS

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_std_
base
Checking test std_base cpld_control_nowave_noaero_p8 results ....
Moving baseline std_base cpld_control_nowave_noaero_p8 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 = 2587.115812

The maximum resident set size (KB) = 1949336

Test std\_base cpld\_control\_nowave\_noaero\_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:09m:09s. 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 d288b2b1310a
```

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

```
Deleted: sha256:d288b2b1310ad60373504bd954b6553518e79957e1fbf1f3a057ef508d5f2927
```

```
Deleted: sha256:f87ae253f7e23b468c3615de9ba54b650f4ef31e03ce14db51e2fb13b859cfb2
```

```
Deleted: sha256:b3be15e4ab6ae2b1b55611c406dd2ba177d93e3042055d8a512487a1c0a52a53
```

```
Deleted: sha256:9920017e93092e2b5fa15b57137404f7ddab65774486d4794ba488982f2187d4
Deleted: sha256:faf90ac381edbd5dd5209f778a9f58e092cbbe014f5eb708442c74bd43e220e1
Deleted: sha256:75a061d6293dc81993e76d7d9a722ae20340947da5f2a156fcd1c014528fdf09
Deleted: sha256:251874ab3d0192899ff5f3f57b561667260f79451bf48fd71f0c593d1c512032
Deleted: sha256:9d588611f4cc6f74a3e35f8ab4d3fd2a59071da990be6c4958543c05b76f5531
Deleted: sha256:193f5d0685a44b1128ef5ffc4401f6cfda7ea4ce46b3e5754b31689d0f3be20f
Deleted: sha256:5a96920b469cb47c3064711ee195e63172d839a2f759b7062f3284bc791ba8c1
Deleted: sha256:700294679582b3b73735b046819dc19fb5ec4985e83191ff708bceb1d3c00ef1
Deleted: sha256:3ad83571d5bf78421c4d717c2daaa93e815ac7c60610a595ae6e190e7932f6b7
Deleted: sha256:9e55b962e536bab604654eb3e66b55fdc89a59c7718f23079531e6e388dad379
Deleted: sha256:d5dbf05cec4722665544c7f8cb2070b6bc373f603a4b3e524eee96a9eed9aa16
Deleted: sha256:c5604e72d6075fc1837daacd6bc74129fb032cf190734a122e94e2a3a0e3f53d
Deleted: sha256:68e2c391fc3e350516dc3c158c33805d7b3ee487446ac065ef3eec44f50e4970
```

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 1920f81f6556

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-

stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8

Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738

Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'dcp'] reset of fraction_interval w      5    10800.0000
      reset of fraction_interval w      5    10800.0000
      reset of fraction_interval u      5    10800.0000
      reset of fraction_interval u      5    10800.0000
```

```

reset of fraction_interval v          5  10800.0000
reset of fraction_interval v          5  10800.0000
in readxml,bf readxml,size(post_avblflds%param)=          219
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   219
sum num_post_afld :                   219
allocate param to :                   264
sum num_post_afld :                   483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                      264
datset is: PRSLEV
MXFLD is:                             1200
size of lvl$xml:                      241500
size of post_avblflds param           264
in readxml. nfld=                      264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
numr,dyval,DY_m=                      0    3000000  333600.000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =                            1007          -1
ient,iget =                            1008          -1

```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
```

```

in readxml. nfld=          219 nrecout=          1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
numr,dyval,DY_m=          0      3000000    333600.000
PROCESS CLDRAD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1

```

```

ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1

```

```

'thr'] reset of fraction_interval w      5  21600.0000
reset of fraction_interval w      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval v      5  21600.0000
reset of fraction_interval v      5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      264
datset is: PRSLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      264
in readxml. nfld=      264 nrecout=      1084

```

```
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
PROCESS CLDRAD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
```



```
numr,dyval,DY_m=      0      3000000  333600.000
```

```
PROCESS CLDRAD done
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
PROCESS MISCLN done
```

```
PROCESS MDL2STD_P done
```

```
PROCESS FIXED done
```

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

```
PROCESS MDL2THANDPV done
```

```
PROCESS CALRAD_WCLOUD done
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
PROCESS done
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
```

```
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/compile_*_time.log':
No such file or directory
```

baseline dir =

/home/builder/stmp4/builder/FV3\_OPNREQ\_TEST/OPNREQ\_TEST/regional\_control\_std\_base

working dir =

/home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/regional\_control\_std\_base

Checking test std\_base regional\_control results ....

Moving baseline std\_base regional\_control 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 = 2787.394657

The maximum resident set size (KB) = 611308

Test std\_base regional\_control PASS

baseline dir =

/home/builder/stmp4/builder/FV3\_OPNREQ\_TEST/OPNREQ\_TEST/regional\_control\_std\_base

working dir =

/home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/regional\_control\_thr

Checking test thr regional\_control 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           = 1928.486575
The maximum resident set size (KB)      = 650304
```

Test thr regional\_control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:21m:35s. 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 95f7f355d8e3
```

Untagged: ci-test-weather:latest

Deleted: sha256:95f7f355d8e3a83f36368b37ad7720d2518b2e220d39f80391dbb8ecaf3d9746

Deleted: sha256:a479f396a9d8d0c4e0561cdb678e673d333dcee342dc26cec8d6e5d1a16cb6de

Deleted: sha256:e6b138dd27f92583c771e55c9fb847a9a82d5a5c25ea9472c8f86429d0ecdc86

Deleted: sha256:63cc0eb98e5eddb7ade47f465a7893b3e3165f5eefda403b65fe4559719933db

Deleted: sha256:4063b83e338b1f894d7622ac0f324505b3111c704b59e09896210603af72edec

Deleted: sha256:0db600ed89216a6e3f6cc5eb39957a59b32a87addb7f46909fa178241bc609f1

Deleted: sha256:1d94a9d0164da902af2c48923fc1c9850d9f3b91417b75d52d2aa01390e5ef7a

Deleted: sha256:6fb3a960fc843653ff5f41675ed8eda189a5fee499cf056d0a067d1c54586330

Deleted: sha256:9d4c2d8097c4ee9553e78b395d4e082aaa0fae7c2da97e101fee7fbd14c2aa15

Deleted: sha256:d435f4a67963d740dfffd5d3168aea0a8583c7d97380cfd765bb6033a942b4ef5

Deleted: sha256:8cb7407cb28c0fd81465943443b0cdf55a7c303ee1b20f9d392c76ecdf6a9777

Deleted: sha256:4be2b2ac8e42b12b8cd0025a035356649636947812d3d2324a2f9629477fe53e

Deleted: sha256:cbf0d9fcd8a0ecdf01410a435ee9a9def3104ec91d212bc78ca141e9e81d18f9

Deleted: sha256:25b2eb568d520a09fcacdf6f99f8169006947147599406423e7f7048a880a13e6

Deleted: sha256:c85fb85dfa416410b91b7aa5e87a48e915c6daa097f0ed648550cedfa4b045b2

Deleted: sha256:49088c57ac1c33f95210bb29811193d243b6eb2dba309d78ba10526002d39bb8

```
++ docker image ls
```

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

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

```
+ docker rmi -f 1920f81f6556
```

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-

stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8

Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738

Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'dcp'] reset of fraction_interval w          5  21600.0000
reset of fraction_interval w          5  21600.0000
reset of fraction_interval u          5  21600.0000
reset of fraction_interval u          5  21600.0000
reset of fraction_interval v          5  21600.0000
reset of fraction_interval v          5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=          219
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   219
sum num_post_afld :                    219
allocate param to :                    264
sum num_post_afld :                    483
in readxml, aft read flat file.xml,num_post_afld=          264
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                264
datset is: PRSLEV
MXFLD is:                1200
size of lvlxml:                241500
size of post_avblflds param          264
in readxml. nfld=                264 nrecout=                1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
```

```
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
```

PROCESS CLDRAD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```

ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          219
dataset is: NATLEV
MXFLD is:          1200
size of lvlxml:          241500
size of post_avblflds param          219
in readxml. nfld=          219 nrecout=          1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done

```

```
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

```
cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/compile*_time.log':
```

No such file or directory

baseline dir =

/home/builder/stmp4/builder/FV3\_OPNREQ\_TEST/OPNREQ\_TEST/regional\_control\_std\_base

working dir =

/home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/regional\_control\_dcp

Checking test dcp regional\_control 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 = 2382.393558

The maximum resident set size (KB) = 641328

Test dcp regional\_control PASS

baseline dir =

/home/builder/stmp4/builder/FV3\_OPNREQ\_TEST/OPNREQ\_TEST/regional\_control\_std\_base

working dir =

/home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/regional\_control\_std\_base

Checking test std\_base regional\_control results ....

Moving baseline std\_base regional\_control 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 = 2853.143020

The maximum resident set size (KB) = 612472

Test std\_base regional\_control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:30m:17s. 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 468861aa7695
Untagged: ci-test-weather:latest
Deleted: sha256:468861aa76952007327d83c2d33544399e17b18a2c1c934a83adcd4b4f73d8f0
Deleted: sha256:0af2a1cfd455af5500766b8f67081d158ca7fb0fc3da425aa267584dcf696c5f
Deleted: sha256:a7f22246be681a44fee34e21c98d62a69dc3a688795746727c23864f032e5ad5
Deleted: sha256:57cdfed811aa01d00fdb34e9788e47ffa41f2f5f413764248b11ef4d0d56d2c5
Deleted: sha256:5f3e79897d95ce6e6723cf3d40ece31ef7fab4a2b863320cac1b2f03a8a933f9
Deleted: sha256:c6ae16234f158e21a71cf320dec947c3f3ff4caa91204bb8be183202d5d65357
Deleted: sha256:b04766be15aa3c5cd21823c1fa4362bd1711f67fdfcb759fba534f1eff74b22
Deleted: sha256:a6cf0a2717a5f047872265588713d428d05497197e6278da718313b78a153d79
Deleted: sha256:a05fe8da24482729e7ae4def4f3fc8d0e5b01b6198e1ce44d9a7e14757c3359a
Deleted: sha256:701dca40968d3e96277d9eff00573d7b487abb085b0005390a5f7a96a3572b11
Deleted: sha256:b47a53046bff00c0d7d61b55f587e44d939f4f1b7f0f7856998d66e336276ec
Deleted: sha256:c31382161edd9eba65473917ec482108e6c6c4e85c9233a040ecdb75f7ae0e96
Deleted: sha256:94239d35885b4c6de440d12a0e365ac22c6a31fef3f212d669575eeb443c562f
Deleted: sha256:19ec5474aae53f1ec68e0477d748aeb7f2064a35e1cb69413212aa7a7984a9e8
Deleted: sha256:09c7e61dd3f85a557b428f0f63f43ee6e68d3376949b95b3d263d65d42b16828
Deleted: sha256:9189df9059c99e28f533bd0b7e1ee9bb8cc7459ce89ad13be4d89d7ff2b527f1
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:cddb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
```

```
[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 2.375.2