




 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 205 KB.. [Full Log](#)

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

```
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          47
```

```
sum num_post_atld :          47
allocate param to :          150
sum num_post_afld :          197
in readxml, aft read flat file.xml,num_post_afld=          150
```

```
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          150
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          150
in readxml. nfld=          150 nrecout=          1048
```

```
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
PROCESS done
```

```
Size of pset is:          47
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          47
in readxml. nfld=          47 nrecout=          56
```

```
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

PROCESS done
```

```
'dbg']
```

```
WARNING from PE      0: MEKE_init: Initializing MEKE with a local equilibrium balance.
```

```
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'] reset of fraction_interval w          6  43200.0000
reset of fraction_interval w          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval v          6  43200.0000
reset of fraction_interval v          6  43200.0000
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 :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:                       258
datset is: PRSLEV
MXFLD is:                               1200
size of lvlxml:                         238500
size of post_avblflds param            258
in readxml. nfld=                       258 nrecout=    1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
PROCESS CLDRAD done
```

```

PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts

MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
dataset is: NATLEV
MXFLD is:          1200
size of lvlxml:          238500
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=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'dcp'] reset of fraction_interval w          6          64800.0000
reset of fraction_interval w          6          64800.0000
reset of fraction_interval u          6          64800.0000
reset of fraction_interval u          6          64800.0000
reset of fraction_interval v          6          64800.0000
reset of fraction_interval v          6          64800.0000

```

```

'thr'] reset of fraction_interval w          6  64800.0000
       reset of fraction_interval w          6  64800.0000
       reset of fraction_interval u          6  64800.0000
       reset of fraction_interval u          6  64800.0000

       reset of fraction_interval v          6  64800.0000
       reset of fraction_interval v          6  64800.0000
'dcp'] reset of fraction_interval w          6  86400.0000
       reset of fraction_interval w          6  86400.0000
       reset of fraction_interval u          6  86400.0000
       reset of fraction_interval u          6  86400.0000
       reset of fraction_interval v          6  86400.0000
       reset of fraction_interval v          6  86400.0000
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 :          258
sum num_post_afld :          477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          258
datset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          238500
size of post_avblflds param          258
in readxml. nfld=          258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done

```

```

PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends

PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
datset is: NATLEV
MXFLD is:                1200
size of lvlxml:          238500
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=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

Running test for dcp with

```
  THRD: 1; INPES: 10; JNPES: 3; TASKS: 38; TPN: 40
```

```
++ mpiexec -n 38 -bind-to
```

```
user:0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,
32,33,34,35,36,37 ./fv3.exe
```

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
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 :          258
sum num_post_afld :          477
in readxml, aft read flat file.xml,num_post_afld=          258
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          258
datset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          238500
size of post_avblflds param          258
in readxml. nfld=          258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done

```



```

PROCESS done
Size of pset is:          219
dataset is: NATLEV
MXFLD is:                1200

size of lvlxml:          238500
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=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
numr,dyval,DY_m=        1      200000    22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

'dbg'] 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

```

'dbg'] 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_dbg_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_dbg_base

```

Checking test dbg\_base control results ....

Moving baseline dbg\_base control files ....

Moving sfcf001.nc .....OK

Moving sfcf001.nc .....OK

The total amount of wall time = 484.776042

The maximum resident set size (KB) = 624632

Test dbg\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:09m:19s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

```
'dbg'] ++ docker image ls
```

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

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

```
+ docker rmi -f c90b84cd9cd5
```

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

```
Deleted: sha256:c90b84cd9cd5abb7e75f4b27a308ef47d44a49d1d8ed77843aec534c32cf53e
```

```
Deleted: sha256:bd228c5abe62b87d5c8b7939b8a0168bffb95f4716b89a52b679d2d4634e7935
```

```
Deleted: sha256:6c75ffa1170bcc2b367ec506d0cc53fdc3c91cdcbbd4c1c652f50471c72e8f5
```

```
Deleted: sha256:86908eda4161b584cedeca7303168dabfe6f7c3fc04851ef92da117ed63b7ca7
```

```
Deleted: sha256:0773de3d953802ac1da4c70b0c4a67b8c5352988e3a0fd79031d61200b005cb6
```

```
Deleted: sha256:5c15eaf3db8071dcd9d274dd7efc80e62ce2892dfc90a2e7031341ecae62e639
```

```
Deleted: sha256:03bcd2f2383d815c81e41a37824a47098dfce8efdd36898d2a4541153ef5588f
```

```
Deleted: sha256:cb2565a6a3a93718698f0841be877d4ec6bccbb1a2680ad8e5890750d79dcbd5
```

```
Deleted: sha256:0f9e5d8ff81d5a12a2c6c8c53cbab01dbd9d69a4710ca7741335012e60860cbf
```

```
Deleted: sha256:bb5efc305755e993e6af9f077a388ab86c0911ac8ebedcd9bed1a1045d145f8f
```

```
Deleted: sha256:589c936ea059d5f75210095b02177816cb9034b45d08740b3e997c8bb8915939
```

```
Deleted: sha256:12947a87f16ab1ca995eb622bf2cdd728a01bdb1d30c5b051fcff4d5943cee01
```

```
Deleted: sha256:adcc556ace19ae757d67e81daf8560680bac27826b1bcc7ae79a77f8ba501e91
```

```
Deleted: sha256:9a0df9adf8acce3d84435ecd20d3e3f4904166f8ff32715cf9183b47df773f8c
```

```
Deleted: sha256:87f574556a0c26138821ba0798f3bdf69569f5a11c8c0bb68743fdea9b510dbe
```

```
Deleted: sha256:31550e3750d2adeb09480f020ec358cf61305c081a8dbb94ecc225137ed0dc6c
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 77e33c658486
```

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

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

```
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
```

```
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
```

```
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
```

```
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
```

```
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
```

```
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
```

```
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          6  86400.0000
reset of fraction_interval w          6  86400.0000
reset of fraction_interval u          6  86400.0000
reset of fraction_interval u          6  86400.0000
reset of fraction_interval v          6  86400.0000
reset of fraction_interval v          6  86400.0000
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 :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:                       258
dataset is: PRSLEV
MXFLD is:                               1200
size of lvlxml:                         238500
size of post_avblflds param             258
in readxml. nfld=                       258 nrecout=     1078
PROCESS starts
PROCESS MDLFLD done
```

```
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done

PROCESS SURFCE done
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
datset is: NATLEV
MXFLD is:          1200
size of lvlxml:          238500
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=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
PROCESS CLDRAD done
```

```

PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts

MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

Running test for thr with

```

    THRD: 2; INPES: 4; JNPES: 4; TASKS: 24; TPN: 20

```

```

++ OMP_PROC_BIND=true

```

```

++ OMP_NUM_THREADS=2

```

```

++ mpiexec -n 30 -bind-to

```

```

user:0+1,2+3,4+5,6+7,8+9,10+11,12+13,14+15,16+17,18+19,20+21,22+23,24+25,26+27,28+29,30+31,
32,33,34,35,36,37,38,39 ./fv3.exe

```

```

'dcp'] reset of fraction_interval w          6  21600.0000
        reset of fraction_interval w          6  21600.0000
        reset of fraction_interval u          6  21600.0000
        reset of fraction_interval u          6  21600.0000
        reset of fraction_interval v          6  21600.0000
        reset of fraction_interval v          6  21600.0000
'rst'] 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 :                   197
        sum num_post_afld :                   309
        in readxml, aft read flat file.xml,num_post_afld=          197
        in readxml, aft read flat file.xml,num_pset=                2
        Size of pset is:                   197
        datset is: GFSPRS
        MXFLD is:                          1200
        size of lvl$xml:                    154500
        size of post_avblflds param          197
        in readxml. nfld=                    197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
```

'thr']

```
WARNING from PE      3: atmos_modeldefine_blocks_packed: domain ( 53 48) is not an even
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      8: atmos_modeldefine_blocks_packed: domain ( 53 48) is not an even
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE     11: atmos_modeldefine_blocks_packed: domain ( 53 48) is not an even
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16
```

```
WARNING from PE      4: atmos_modeldefine_blocks_packed: domain ( 53 48) is not an even
```

divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

WARNING from PE 7: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even  
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

WARNING from PE 12: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even  
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

WARNING from PE 15: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even  
divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

WARNING from PE 0: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even  
divisor with definition ( 32) - 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

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 : 258

sum num\_post\_afld : 477

in readxml, aft read flat file.xml,num\_post\_afld= 258

in readxml, aft read flat file.xml,num\_pset= 2

Size of pset is: 258

datset is: PRSLEV

MXFLD is: 1200

size of lvl\$xml: 238500

size of post\_avblflds param 258

in readxml. nfld= 258 nrecout= 1078

PROCESS starts

PROCESS MDLFLD done

PROCESS MDL2P done

```

PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done

numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:      219
dataset is: NATLEV
MXFLD is:      1200
size of lvlxml:      238500
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=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done

```



```

PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends

PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'rst'] 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 :            197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

Running test for rst with

```
THRD: 1; INPES: 3; JNPES: 2; TASKS: 48; TPN: 40
```

```
++ mpiexec -n 80 -bind-to
```

```
user:0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,
32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 ./fv3.exe
```

```

'thr'] 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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'dcp'] reset of fraction_interval w          6  43200.0000
reset of fraction_interval w          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval v          6  43200.0000
reset of fraction_interval v          6  43200.0000
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 :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=          258

```

```
in readxml, aft read flat file.xml,num_pset=          2
```

```
Size of pset is:          258
```

```
datset is: PRSLEV
```

```
MXFLD is:          1200
```

```
size of lvlxml:          238500
```

```
size of post_avblflds param          258
```

```
in readxml. nfld=          258 nrecout=          1078
```

```
PROCESS starts
```

```
PROCESS MDLFLD done
```

```
PROCESS MDL2P done
```

```
PROCESS MDL2SIGMA done
```

```
PROCESS MDL2SIGMA2 done
```

```
PROCESS MDL2AGL done
```

```
PROCESS SURFCE done
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
numr,dyval,DY_m=          1          200000          22240.0000
```

```
PROCESS CLDRAD done
```

```
PROCESS MISCLN done
```

```
PROCESS MDL2STD_P done
```

```
PROCESS FIXED done
```

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

```
PROCESS MDL2THANDPV done
```

```
PROCESS CALRAD_WCLOUD done
```

```
PROCESS done
```

```
Size of pset is:          219
```

```
datset is: NATLEV
```

```
MXFLD is:          1200
```

```
size of lvlxml:          238500
```

```
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=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000

numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000

```

PROCESS CLDRAD done

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

PROCESS done

```

'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 :      197
sum num_post_afld :      309
in readxml, aft read flat file.xml,num_post_afld=      197
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      197
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      154500
size of post_avblflds param      197
in readxml. nfld=      197 nrecout=      1095
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
PROCESS done

Size of pset is:          112
datset is: GFSFLX
MXFLD is:                1200
size of lvl$xml:         154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

```

'thr'] 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 :            197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:                1200
size of lvl$xml:         154500
size of post_avblflds param      197
in readxml. nfld=        197 nrecout=      1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Running test for thr with
  THRD: 2; INPES: 3; JNPES: 1; TASKS: 30; TPN: 20
++ OMP_PROC_BIND=true
++ OMP_NUM_THREADS=2
++ mpiexec -n 30 -bind-to
user:0+1,2+3,4+5,6+7,8+9,10+11,12+13,14+15,16+17,18+19,20+21,22+23,24+25,26+27,28+29,30+31,
32+33,34+35,36,37,38,39,40,41,42,43,44,45,46,47 ./fv3.exe
  in readxml,bf readxml,size(post_avblflds%param)=          1
  xml_perl_data read Post flat file

```

```
allocate paramset to :          2
allocate param to :            47
sum num_post_afld :           47
allocate param to :           150

sum num_post_afld :           197
in readxml, aft read flat file.xml,num_post_afld=          150
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          150
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          150
in readxml. nfld=          150 nrecout=          1048
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
PROCESS done
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          47
in readxml. nfld=          47 nrecout=          56
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
PROCESS done
'rst'] 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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112

dataset is: GFSFLX
MXFLD is:                1200
size of lvl$xml:         154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

```

'bit'] 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 :            197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:            197
dataset is: GFSPRS
MXFLD is:                1200
size of lvl$xml:         154500
size of post_avblflds param      197
in readxml. nfld=        197 nrecout=      1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvl$xml:         154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'mpi'] 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 :            197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197

```

```
datset is: GFSPRS
MXFLD is:      1200
size of lvl$xml:      154500
size of post_avblflds param      197

in readxml. nfld=      197 nrecout=      1095
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
PROCESS done
Size of pset is:      112
datset is: GFSFLX
MXFLD is:      1200
size of lvl$xml:      154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
```

Running test for mpi with

THRD: 1; INPES: 2; JNPES: 2; TASKS: 48; TPN: 40

++ mpiexec -n 80 -bind-to

user:0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,  
32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 ./fv3.exe

```
'dcp'] reset of fraction_interval w          6  64800.0000
reset of fraction_interval w          6  64800.0000
reset of fraction_interval u          6  64800.0000
reset of fraction_interval u          6  64800.0000
reset of fraction_interval v          6  64800.0000
reset of fraction_interval v          6  64800.0000

'rst'] 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 :                   197
sum num_post_afld :                   309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                   197
datset is: GFSPRS
MXFLD is:                          1200
size of lvlxml:                      154500
size of post_avblflds param          197
in readxml. nfld=                    197 nrecout=           1095
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
PROCESS done
Size of pset is:                   112
datset is: GFSFLX
MXFLD is:                          1200
```

```

size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS 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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param      197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

Running test for dcp with

```
THRD: 1; INPES: 2; JNPES: 3; TASKS: 48; TPN: 40
```

```
++ mpiexec -n 80 -bind-to
```

```
user:0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,
32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 ./fv3.exe
```

```
'bit'] 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 :             197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
dataset is: GFSPRS
```



```
MXFLD is:          1200
size of lvlxml:    154500
size of post_avblflds param      197
in readxml. nflid=      197 nrecout=      1095
```

```
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
PROCESS done
```

```
Size of pset is:      112
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:    154500
size of post_avblflds param      112
in readxml. nflid=      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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
```

```
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_bit_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_bit_base
Checking test bit_base control results ....
```

```
Moving baseline bit_base control 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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK
Moving RESTART/sfc_data.tile1.nc .....OK
```

```
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK

Moving RESTART/sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1150.356499
The maximum resident set size (KB)     = 661424
```

```
Test bit_base control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:22m:06s. Have a nice day!
```

```
opnReqTest finished
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

```
'bit'] ++ docker image ls
```

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

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

```
+ docker rmi -f aae4deecc4b1
```

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

```
Deleted: sha256:aae4deecc4b11b5bfe4f3bddeb111dfe3fdd5c06461625c1b827e7a6e855af9f
```

```
Deleted: sha256:7c16fe0e01bb397dede9779f9ab86a14f4c33ddb4eed0669b02b9efa8d3fe7b0
```

```
Deleted: sha256:fc7c26075641581c703cdde55d9d28aa117695f06e587f3162515da5ae8e6734
```

```
Deleted: sha256:b6f3034aa34077a9090e0d18a758134b3e25f95793bcd362378aa62d283ba56a
```

```
Deleted: sha256:668e9451008bb8c9a3e3e044ba4a429f3b85ef76ddc687dcf696eb387a2d49f4
```

```
Deleted: sha256:caefda7ee0196feb64167c888669829a6d9df1788d1e74aa72f8e1112be5ef3f
```

```
Deleted: sha256:5339d928350e2b6b4585de8d2370177052b7e600baa84eb4687f52be34e698db
```

```
Deleted: sha256:4a27c444651c951d14059294919c113b647ba16039658b1e08cd5717b606a8d5
```

```
Deleted: sha256:71408f1623f9dcdb4a8d29476c8dbf1bd14b1fcad94668b747f99479f68b2d0d
```

```
Deleted: sha256:ae0d5ec1d9cdc614077489ad3d08d293f033ec2ea162e5d17cae0e799b2e5671
```

```
Deleted: sha256:d107c7810123c907717c2c5dba0bd8d2409466afc1035722654758de5b63295c
```

```
Deleted: sha256:caefe51c63af5089310abd6a5f2086a5a627822cd3d391a4ce9bcdfbb646e9cd
```

```
Deleted: sha256:47a46eda5a84aad0e43c73f45fd7f2e507778c59af4b68e8d2ba1d48a54c46f9
```

```
Deleted: sha256:49266a2cb390d1db8cdd7035114ab9b950d5d1aab7807dbfca94ea3e756840c3
```

```
Deleted: sha256:29613d027b77716a08ef2645e3eb5ef566ea119540503fd6e8e47980585d208f
```

```
Deleted: sha256:b7209cc1a605d9f6ea6ce46c76dd0227e1e9171819363b9950daedeb149e230b
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 77e33c658486
```

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

```

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb

Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }

```

```

'mpi'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          47
sum num_post_afld :          47
allocate param to :          150
sum num_post_afld :          197
in readxml, aft read flat file.xml,num_post_afld=          150
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          150
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          150
in readxml. nfld=          150 nrecout=          1048
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
PROCESS done
Size of pset is:          47
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          47
in readxml. nfld=          47 nrecout=          56
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
PROCESS done
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          47
sum num_post_afld :          47
allocate param to :          150
sum num_post_afld :          197
in readxml, aft read flat file.xml,num_post_afld=          150
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          150
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          98500

```

```

size of post_avblflds param          150
in readxml. nfld=          150 nrecout=          1048
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
PROCESS done
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          98500
size of post_avblflds param          47
in readxml. nfld=          47 nrecout=          56
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
PROCESS done

```

```

'rst'] 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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197

in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
```

```

MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done

PROCESS done
'dcp'] reset of fraction_interval w          6  86400.0000
reset of fraction_interval w          6  86400.0000
reset of fraction_interval u          6  86400.0000
reset of fraction_interval u          6  86400.0000
reset of fraction_interval v          6  86400.0000
reset of fraction_interval v          6  86400.0000
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 :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:                       258
datset is: PRSLEV
MXFLD is:                               1200
size of lvlxml:                         238500
size of post_avblflds param            258
in readxml. nfld=                       258 nrecout=    1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done

```



```

PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
datset is: NATLEV
MXFLD is:                1200
size of lvlxml:          238500
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=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
numr,dyval,DY_m=        1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
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/fv3_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 dynf024.nc .....OK
Comparing phyf000.nc .....OK
Comparing phyf024.nc .....OK

Comparing PRSLEV.GrbF00 .....OK
Comparing PRSLEV.GrbF24 .....OK
Comparing NATLEV.GrbF00 .....OK
Comparing NATLEV.GrbF24 .....OK
```

```
The total amount of wall time           = 796.007911
The maximum resident set size (KB)     = 617424
```

Test dcp regional\_control PASS

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/fv3_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 dynf024.nc .....OK
Moving phyf000.nc .....OK
Moving phyf024.nc .....OK
Moving PRSLEV.GrbF00 .....OK
Moving PRSLEV.GrbF24 .....OK
Moving NATLEV.GrbF00 .....OK
Moving NATLEV.GrbF24 .....OK
```

```
The total amount of wall time           = 674.497885
The maximum resident set size (KB)     = 634944
```

Test std\_base regional\_control PASS

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:27m:31s. Have a nice day!
opnReqTest finished
[Pipeline] }
[Pipeline] // stage
Post stage
[Pipeline] sh
'dcp'] ++ docker image ls
++ grep -E -m1 ci-test-weather
```

```
++ awk '{ print $3 }'  
+ docker rmi -f 1353ef080260  
Untagged: ci-test-weather:latest  
Deleted: sha256:1353ef0802608708b9c47c3212f9046bc2e370afd726dc15a9b65781dc997dbc  
  
Deleted: sha256:e477475b62858ceeb127fe78acd94684fb89cee3e6dd9b1d496642ffb4d6d9ba  
Deleted: sha256:b98de7e8ca0f28d09c30814c245e11bb368b32b2a283f8e150f9ae37c6e60db3  
Deleted: sha256:8ecad0c26263699a3df449c2525aeb4dfc83276c4b960f7de0fd8ce5e6914bfd  
Deleted: sha256:dd54e32e1ccdb56fc276b4e27a0163b60efb88c99ef56764f7f7b10b6c84fc6a  
Deleted: sha256:4f5a0a5002a4b7b208733002d0d26aee2948599117533410f08930bfd89a73a6  
Deleted: sha256:7f7c4b3df16b53bce446d91fe689453c5b57da1cba005b69442016261b9bd5dc  
Deleted: sha256:208d6b24596dc9595a03ee41cc43df000d35a27193de5b4f6eb3c931fda3d5e8  
Deleted: sha256:7cd3427658e5ae73300286a9c7e49030b8af76fb2e81fb898755c03ac686e70e  
Deleted: sha256:cbc436a22661c6526246abda67b910d080dbf589f14d56331d27f5ef6b4f5b65  
Deleted: sha256:d9dffffc935c71b7735a38920d56e54fe1f3bf8b6a23e1925c4ba9d856565aae2  
Deleted: sha256:b82714ec0f66d43c814595342e9674b8ef68f463fe08095ea0913d785b920c25  
Deleted: sha256:cbe8af0c63ff0cbd545265b0277d014684d09221f4c0730b5f4bfb74ab9a17dc  
Deleted: sha256:4bbcafee7d46c64ea0aa6032b01ef429b34ba2f309caed749802417f670c90cc  
Deleted: sha256:24ee6b240044a3622e32c785132b467b64a8cadfc59ed6580eb585f3648da21b  
Deleted: sha256:71374e2f85da4da01a4060ca9aa6190c428735e6a973a41f78b66279a2bc0722  
++ docker image ls  
++ grep -E -m1 noaaepic  
++ awk '{ print $3 }'  
+ docker rmi -f 77e33c658486  
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2  
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-  
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087  
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a  
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb  
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d  
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982  
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e  
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c  
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63  
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5  
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2  
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741  
Deleted: sha256:cdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }
```

```

[Pipeline] // stage
[Pipeline] }
'rst'] 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 :             197
sum num_post_afld :             309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:             197
datset is: GFSPRS
MXFLD is:                    1200
size of lvlxml:              154500
size of post_avblflds param    197
in readxml. nfld=            197 nrecout=                    1095
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
PROCESS done
Size of pset is:             112
datset is: GFSFLX
MXFLD is:                    1200
size of lvlxml:              154500
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
PROCESS MISCLN done
```

```
PROCESS MDL2STD_P done
```

```
PROCESS FIXED done
```

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

```
PROCESS MDL2THANDPV done
```

```
PROCESS CALRAD_WCLOUD done
```

```
PROCESS done
```

```
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_std_base
```

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

```
Checking test rst control results ....
```

```
Comparing GFSFLX.GrbF24 .....OK
```

```
Comparing GFSPRS.GrbF24 .....OK
```

```
Comparing RESTART/coupler.res .....OK
```

```
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
```

```
Comparing RESTART/fv_core.res.tile1.nc .....OK
```

```
Comparing RESTART/fv_core.res.tile2.nc .....OK
```

```
Comparing RESTART/fv_core.res.tile3.nc .....OK
```

```
Comparing RESTART/fv_core.res.tile4.nc .....OK
```

```
Comparing RESTART/fv_core.res.tile5.nc .....OK
```

```
Comparing RESTART/fv_core.res.tile6.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile1.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile2.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile3.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile4.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile5.nc .....OK
```

```
Comparing RESTART/fv_srf_wnd.res.tile6.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile1.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile2.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile3.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile4.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile5.nc .....OK
```

```
Comparing RESTART/fv_tracer.res.tile6.nc .....OK
```

```
Comparing RESTART/phy_data.tile1.nc .....OK
```

```
Comparing RESTART/phy_data.tile2.nc .....OK
```

```
Comparing RESTART/phy_data.tile3.nc .....OK
```

```
Comparing RESTART/phy_data.tile4.nc .....OK
```

```
Comparing RESTART/phy_data.tile5.nc .....OK
```

```
Comparing RESTART/phy_data.tile6.nc .....OK
Comparing RESTART/sfc_data.tile1.nc .....OK
Comparing RESTART/sfc_data.tile2.nc .....OK
Comparing RESTART/sfc_data.tile3.nc .....OK

Comparing RESTART/sfc_data.tile4.nc .....OK
Comparing RESTART/sfc_data.tile5.nc .....OK
Comparing RESTART/sfc_data.tile6.nc .....OK
Comparing atmf024.nc .....OK
Comparing sfcf024.nc .....OK
```

```
The total amount of wall time           = 553.768777
The maximum resident set size (KB)     = 352688
```

Test rst control PASS

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

Checking test std\_base control results ....

Moving baseline std\_base control 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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
```

```
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK

Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK

Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK

Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1085.415569
The maximum resident set size (KB)     = 612356
```

```
Test std_base control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:30m:21s. 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 bc93820aef22
```

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

```
Deleted: sha256:bc93820aef22c489d252b9765f7f9ab10386e988671fb3db99896268ff4a5a8a
```

```
Deleted: sha256:5fb922a64f225b2d03e7687d12063975040b71b4c662a96d514d565ff6610bae
```

```
Deleted: sha256:b017aadac87816acd686a1738dbb3f7e4017b4675057e878ada624bd08f53cdf
```

```
Deleted: sha256:fae51aa4b1c32a0b7c0721c4140841da4e5feb482b59b1fa682c9b485093fe7
```

```
Deleted: sha256:70680e1c91b8800b82ac81905cae8d404cf300b40922ed1b0f459f98a6bc27ce
```

```
Deleted: sha256:f754632dc57e7c34b3e3e5809dd9f728dc2ee4b446b7d2ea2441e8aefacd9c0f
```

```
Deleted: sha256:52827667babbeffa42d474eb944eb7555f26229bbbc92d9356b489d8b63fc1
Deleted: sha256:3e55417e4447370c066410980ac3729c4f19b8ca334678215f2b2a88d54da3ac
Deleted: sha256:064f35a11f4ba60911be1a3f31a96bee2973177d76c2ced9f07cf0ebd063ced
Deleted: sha256:c5f88a9388409bb4c0c0ad1b247506072f0abc6a59c81ad41beaffd0f87d00a7
```

```
Deleted: sha256:72f6f1f5c6af63f2ca536b863f2cd871a8edbc96622e9975010357007d1ec6d3
Deleted: sha256:bbba313c422170e6bc6e9985ac43b76bd1668aeb114a436b602d354b711240f9
Deleted: sha256:12a8de08727fa4e2a73986509ed760a5266566d628b14961d5d00701af26b2b2
Deleted: sha256:717a9487f3b930e51aa7bafa14ae12ed1cca00d32e78d75d3ca0dd74fcb971c4
Deleted: sha256:bfb103d46d2ad7557fe70c3ff15e2538930e68f0591f53f0a07b24760cd48e1d
Deleted: sha256:f9d27e90b30fe778d6071061c28de0a5e60ef3bcdf0608a4f947225eaf60c585
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 77e33c658486
```

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

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

```
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
```

```
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
```

```
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
```

```
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
```

```
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
```

```
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
```

```
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'] 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 : 197
```

```
sum num_post_afld : 309
```



```
in readxml, aft read flat file.xml,num_post_afld=      197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:      197
dataset is: GFSPRS
```

```
MXFLD is:      1200
size of lvlxml:      154500
size of post_avblflds param      197
in readxml. nfld=      197 nrecout=      1095
```

```
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
PROCESS done
```

```
Size of pset is:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
```

```

PROCESS CALRAD_WCLOUD done
PROCESS done
'thr'] reset of fraction_interval w          6  21600.0000
reset of fraction_interval w          6  21600.0000

reset of fraction_interval u          6  21600.0000
reset of fraction_interval u          6  21600.0000
reset of fraction_interval v          6  21600.0000
reset of fraction_interval v          6  21600.0000
'thr'] 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 :                   197
sum num_post_afld :                   309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                197
datset is: GFSPRS
MXFLD is:                1200
size of lvlxml:                154500
size of post_avblflds param          197
in readxml. nfld=                197 nrecout=                1095
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
PROCESS done
Size of pset is:                112
datset is: GFSFLX
MXFLD is:                1200
size of lvlxml:                154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
```

```
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_std_base
```

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

```
Checking test std_base control results ....
```

```
Moving baseline std_base control 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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
```

```
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK

Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK

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

The total amount of wall time = 1053.599103

The maximum resident set size (KB) = 615024

Test std\_base control PASS

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

working dir = /home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/control\_thr

Checking test thr control 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/coupler.res .....OK
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers

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

```
The total amount of wall time           = 613.208271
The maximum resident set size (KB)     = 811744
```

Test thr control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:30m:37s. 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 db51ba2e5129
Untagged: ci-test-weather:latest
Deleted: sha256:db51ba2e5129d202a7ff0ac90f6cc498cb68fcd41b939eb3c629bbcc49cf0012
Deleted: sha256:3daf555bfe9affb4d7c8fac932a5cc999a224cbc60989c45ec028f17ce0647cc
Deleted: sha256:028d644cc3fbdaf25ea94d7042be814014c58d285ef2c0912a6e517de2a98a0d
Deleted: sha256:01240b25f10874a7c0cc4b3fd3bf9c3bae966a5168cedcc404e0b62e99da1430
Deleted: sha256:cf9a4e0c139792631122151fe6b2d26020c79b599bbf367b6f4b66decba72da3
Deleted: sha256:3b06278b25638c48a19a8ab80b9a8f0513d9b5443e65ceabf40f9fcc0cfbef1d
Deleted: sha256:a63eb23e9993218b9072fdac0bda83bba4874bf63c27ca6a5fd64c90971d9a06
Deleted: sha256:516793cb7844f77b1fe0d242c22bbd299a0fdfa150368ff223aad544ea671339
Deleted: sha256:85260508b7bc75fd6d8f77024f342352739c43de6dfc7068b56101bcd2ab100f
Deleted: sha256:21afdfa6cbc5f61e0f83d38d0902a28798b92cc83f6bb2d679f77e6598d9ee15
Deleted: sha256:c3d16c81c4929207f2ca33830feb908bc6120f6ea15c3e0df3a3a7c243b0252
Deleted: sha256:0c87f28865e6ddb0f8bf27fa36a620776ede07c5ba9baa0a442c6175d01ef7af
Deleted: sha256:875a057a34402e2452fe744d782c9f1ed36d4d55f267b18d6e34d1cbae6dfc83
Deleted: sha256:39a0322f661539c867bb3d54d561cc809d03786247fec96bb0ddba63ae7968fb
Deleted: sha256:7c8c1a289ab313fdf8b3798f0d903ec7a72bda07c4c863f57d5e7789188b55af
Deleted: sha256:e23fc18fc05b86c4bcf75415f2b87797a339b88db4429811556b54517a18817c
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 77e33c658486
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bf36f0be6ed076a72a3d4c
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'] 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 :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
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
PROCESS done
Size of pset is:          112
datset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

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 :             197
sum num_post_afld :             309
in readxml, aft read flat file.xml,num_post_afld=      197
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:              197
datset is: GFSPRS
MXFLD is:                    1200
size of lvlxml:               154500
size of post_avblflds param    197
in readxml. nfld=             197 nrecout=             1095
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
PROCESS done
Size of pset is:          112

dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
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\_std\_base

working dir = /home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/control\_dcp

Checking test dcp control 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/coupler.res .....OK
```

```
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
Comparing RESTART/fv_core.res.tile1.nc .....OK
Comparing RESTART/fv_core.res.tile2.nc .....OK
Comparing RESTART/fv_core.res.tile3.nc .....OK

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

```
The total amount of wall time           = 1060.816649
The maximum resident set size (KB)     = 606144
```

Test dcp control PASS

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_std_base
Checking test std_base control results ....
Moving baseline std_base control 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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK
Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
```

The total amount of wall time

= 1084.335774

The maximum resident set size (KB) = 616608

Test std\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:38m:50s. 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 303a368a3c11

Untagged: ci-test-weather:latest

Deleted: sha256:303a368a3c11ab5011a8d2d1b9d64819d8cf02fb879238e9b9a2be9b2516b10a

Deleted: sha256:5749dc7703faa94887d4376992972f7858739ac8de396491ee7a716074425f9b

Deleted: sha256:333d6c014755e57c76b58cd95c0e497a5c938c28e503601b9f32f11a9d38d6a2

Deleted: sha256:43b67c05d9eba75446a3523dedd10f9c032ede03c616b66143a73d061bb72132

Deleted: sha256:8e6f6c7e2da06c78610d6e20d86bbe2fd4b624cf7c8313bebbc485353e73cc27

Deleted: sha256:8fc4556a367f0373b9fea15ad802c05ef94cd730ecddae0c08b68e410ff6cf70

Deleted: sha256:2951a603a23fca9a16036b8c26cbabf8bdb4dd920413d7e4c9284254f8c8e0a3

Deleted: sha256:0928f488ba8c6b0347873249c21f53b4467d26174ed0fa17efb8cbf55b82583e

Deleted: sha256:df1697a040376d085e3675e8a137abce91d4166fa6bb00bc07c7ab1269633bf3

Deleted: sha256:3cb88302453e62001f69a1844a584abe8106368e89649bfc090b50a21997900c

Deleted: sha256:4934fd1629afe52d4625d0ffad1bd5cef87a5e99e5513793cc304f60a27af558

Deleted: sha256:8150bbbe6127b7a22cb5bc77e402c23ef5cb3531d3fd26f1ccb2f57727354a99

Deleted: sha256:e5c22d2ca99572ae7df4ed3883c7690b74065cbd00b998de559d7650003170b3

Deleted: sha256:739decee6a305100eded12e32b58a90741557891d0c9ca3af8653319592d625a

Deleted: sha256:4d2ba3c6cd884ffb9bca58dc212bcc13d4774cda1ab8dfcd70715b6e5f5964fe

Deleted: sha256:57910dd3722baf321daf6c0734c4721e1b5a8efd16a756e2a15977413b15456f

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 77e33c658486

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

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

stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087

Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a

Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb

Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d

Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982

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] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

'dbg'] 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\_dbg\_base

working dir =

/home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/cpld\_control\_nowave\_noaero\_p8\_dbg\_base

Checking test dbg\_base cpld\_control\_nowave\_noaero\_p8 results ....

Moving baseline dbg\_base cpld\_control\_nowave\_noaero\_p8 files ....

Moving sfcf003.tile1.nc .....OK

Moving sfcf003.tile2.nc .....OK

Moving sfcf003.tile3.nc .....OK

Moving sfcf003.tile4.nc .....OK

Moving sfcf003.tile5.nc .....OK

Moving sfcf003.tile6.nc .....OK

Moving atmf003.tile1.nc .....OK

Moving atmf003.tile2.nc .....OK

Moving atmf003.tile3.nc .....OK

Moving atmf003.tile4.nc .....OK

Moving atmf003.tile5.nc .....OK

Moving atmf003.tile6.nc .....OK

Moving RESTART/coupler.res .....OK

Moving RESTART/fv\_core.res.nc .....OK

Moving RESTART/fv\_core.res.tile1.nc .....OK

Moving RESTART/fv\_core.res.tile2.nc .....OK

Moving RESTART/fv\_core.res.tile3.nc .....OK

Moving RESTART/fv\_core.res.tile4.nc .....OK

Moving RESTART/fv\_core.res.tile5.nc .....OK

```
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK

Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK
Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
Moving RESTART/MOM.res.nc .....OK
Moving RESTART/iced.2021-03-22-32400.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-22-32400.nc .....OK
```

The total amount of wall time = 2148.943101

The maximum resident set size (KB) = 1952332

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

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:37m:30s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

```
'dbg'] ++ docker image ls
```

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

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

```
+ docker rmi -f 847ee2bc3623
Untagged: ci-test-weather:latest
Deleted: sha256:847ee2bc36232a54d5d2f0abb9165de123203049d7da7844a7495a9398827b5f
Deleted: sha256:9f8feb25cc5c7c44f68a16c50a94b43d70bc4f943a38a38bcef0b3f945c8b74b

Deleted: sha256:69df3977c68b88a8c5a274f87e5826d46946b33249c635946a58e1af668507a9
Deleted: sha256:be40520314c24bca402f6ce22b4c5d1a7dc185625d72ed9833598e9b5a0c7148
Deleted: sha256:f0b9aa9190a02870488d343f366c3489ed3551e9e795e6e8168ded672d7718ae
Deleted: sha256:16b5f071cafa46bded61ee4eac66d7a51d4363ab3d05262f8adadab7a11aa192
Deleted: sha256:938d9875f90e5a05410d3dab78fd30e3816840edf0dd36816b68cfa27f01ae18
Deleted: sha256:a06bb6ea1703bb7c54fb90242f73ab04c3d34047355e792b731ccfe2ac216082
Deleted: sha256:df6601009a07089358f38bf623cbc0ae0bc8e542985661740fb669f8bf77bd9
Deleted: sha256:ca7345275ce872f5bd1a5a5899bd656361d29c166092a22ed92c61253a6b6f38
Deleted: sha256:3aaa8095ccad656956956069c6f8ced55b43062b7b81f3089133f8427c220a1e
Deleted: sha256:5263a02991b98f19bc5a130cbca2a282b2a670f6c3ec69cd1b7106e1a5fbcdb5
Deleted: sha256:2e92aa3116d4d2c5289b543a1e4bd3efbcfad8ee25478001f584fd23f89268a3
Deleted: sha256:24b17926e221dedf56a4abb4e29b1e28a3c3ec009c8affc7af6aa4b78347cbe6
Deleted: sha256:20ebc7abf3ef199f3762b7006c123010416e6c4205caeb1bd7bd0fe6a54e5c27
Deleted: sha256:df74809e63caefc4614cb6d163d855e0797bcab8d9b74da76195ed51b1a222ac
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 77e33c658486
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2
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          6  43200.0000
        reset of fraction_interval w          6  43200.0000
        reset of fraction_interval u          6  43200.0000

        reset of fraction_interval u          6  43200.0000
        reset of fraction_interval v          6  43200.0000
        reset of fraction_interval v          6  43200.0000
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 :          258
sum num_post_afld :          477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          258
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          238500
size of post_avblflds param          258
in readxml. nfld=          258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
numr,dyval,DY_m=          1          200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done

```



```

PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
dataset is: NATLEV

MXFLD is:          1200
size of lvlxml:      238500
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=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

```

'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 :      197
sum num_post_afld :      309
in readxml, aft read flat file.xml,num_post_afld=      197
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:          197
dataset is: GFSPRS
MXFLD is:          1200

```

```
size of lvlxml:          154500
size of post_avblflds param      197
in readxml. nfld=          197 nrecout=      1095
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
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
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 :      197
sum num_post_afld :     309

in readxml, aft read flat file.xml,num_post_afld=      197
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:      197
dataset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      154500
size of post_avblflds param      197
in readxml. nfld=      197 nrecout=      1095
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
PROCESS done
Size of pset is:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      154500
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
```

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

PROCESS done

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\_std\_base

working dir = /home/builder/stmp2/builder/FV3\_OPNREQ\_TEST/opnReqTest\_7/control\_mpi

Checking test mpi control 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/coupler.res .....OK

Comparing RESTART/fv\_core.res.nc .....SKIP for gnu compilers

Comparing RESTART/fv\_core.res.tile1.nc .....OK

Comparing RESTART/fv\_core.res.tile2.nc .....OK

Comparing RESTART/fv\_core.res.tile3.nc .....OK

Comparing RESTART/fv\_core.res.tile4.nc .....OK

Comparing RESTART/fv\_core.res.tile5.nc .....OK

Comparing RESTART/fv\_core.res.tile6.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile1.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile2.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile3.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile4.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile5.nc .....OK

Comparing RESTART/fv\_srf\_wnd.res.tile6.nc .....OK

Comparing RESTART/fv\_tracer.res.tile1.nc .....OK

Comparing RESTART/fv\_tracer.res.tile2.nc .....OK

Comparing RESTART/fv\_tracer.res.tile3.nc .....OK

Comparing RESTART/fv\_tracer.res.tile4.nc .....OK

Comparing RESTART/fv\_tracer.res.tile5.nc .....OK

Comparing RESTART/fv\_tracer.res.tile6.nc .....OK

```
Comparing RESTART/phy_data.tile1.nc .....OK
Comparing RESTART/phy_data.tile2.nc .....OK
Comparing RESTART/phy_data.tile3.nc .....OK
Comparing RESTART/phy_data.tile4.nc .....OK

Comparing RESTART/phy_data.tile5.nc .....OK
Comparing RESTART/phy_data.tile6.nc .....OK
Comparing RESTART/sfc_data.tile1.nc .....OK
Comparing RESTART/sfc_data.tile2.nc .....OK
Comparing RESTART/sfc_data.tile3.nc .....OK
Comparing RESTART/sfc_data.tile4.nc .....OK
Comparing RESTART/sfc_data.tile5.nc .....OK
Comparing RESTART/sfc_data.tile6.nc .....OK
```

```
The total amount of wall time           = 1583.543211
The maximum resident set size (KB)     = 708572
```

Test mpi control PASS

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

Checking test std\_base control results ....

Moving baseline std\_base control 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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
```

```
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK

Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK

Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK

Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
```

The total amount of wall time = 1118.366340

The maximum resident set size (KB) = 611248

Test std\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:48m:00s. 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 2dbb849af877
```

Untagged: ci-test-weather:latest

Deleted: sha256:2dbb849af8775cf611c9d1cd336b4317e3984fd5e39b9f2a03e6cbd5e18c31ca

Deleted: sha256:ff4e686b172e046bd4e68d9f1277bf94e6ada1c4778b932bc049eef3caa7870e

Deleted: sha256:85ada943cb07aef4bf6b18ce01bd8548f4cc83e4c0bd9b40cdda519a315e4a02

Deleted: sha256:4f1a57ffaad59915316b1e80a25afac63954822fb5b098d7d4d9b9c3dfb7bb67  
 Deleted: sha256:7dd82af71887ebc98924149ae627306de8d66dbab46fff5f63f3ee5df9a2f471  
 Deleted: sha256:ac05c3d554e7a21303fe034d29d7cfff3254dc24da1ecc587859970f1cb116fd6  
 Deleted: sha256:ea4bfcc79a5d8be9d2c8e9a147bcd60e1072e64168bd6f32a1699dcaca899816

Deleted: sha256:a48db4ff88e8838c56fbb36fe410a8043bff0015df246d26cea48e4a8f762924  
 Deleted: sha256:a39d0904303bfbf430ae1a573830b1c9e2261f138fa545d53f3d196d049a77b6  
 Deleted: sha256:f4f9e10e1fc46affb422a042a9dd231ae94a54a613ec366d48b8cf32923c4271  
 Deleted: sha256:c334ebabf3f5261e8db8c1d636b3f7f107c415c660e84c082c39b5991d7ef91a  
 Deleted: sha256:9ebc44fbab37641e5e53ff7db14e6c940442b1894288215ac075ba52838d4570  
 Deleted: sha256:3f3b831fac4c190cf7641a5f2ca7eb818b6fd9d377a7e2e63d66b7b633476519  
 Deleted: sha256:49fe3e698336b2352a9d469e66375f24cf257f2032e6757ae353b1490e6f8f7a  
 Deleted: sha256:b556354a307c8d85b88f3d3d11f42327462a8ab21468712054ca5a9082917c9c  
 Deleted: sha256:7818698b201cf30d35785290bc723a84e7016b9aed22613e94fb4fd631b4ee5a

```
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 77e33c658486
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
```

```
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2
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      6  64800.0000
      reset of fraction_interval w      6  64800.0000
      reset of fraction_interval u      6  64800.0000
      reset of fraction_interval u      6  64800.0000
```

```

reset of fraction_interval v          6  64800.0000
reset of fraction_interval v          6  64800.0000
reset of fraction_interval w          6  86400.0000
reset of fraction_interval w          6  86400.0000

reset of fraction_interval u          6  86400.0000
reset of fraction_interval u          6  86400.0000
reset of fraction_interval v          6  86400.0000
reset of fraction_interval v          6  86400.0000
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 :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:                       258
datset is: PRSLEV
MXFLD is:                               1200
size of lvl$xml:                       238500
size of post_avblflds param            258
in readxml. nfld=                       258 nrecout=    1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
numr,dyval,DY_m=                       1    200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends

```



```

PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219

dataset is: NATLEV
MXFLD is:          1200
size of lvl$xml:      238500
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=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
numr,dyval,DY_m=      1      200000      22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts

```

MDL2THANDPV ends

[Dashboard](#)   [ufs-weather-model](#)   [ort-docker-pipeline](#)   [Pull Requests \(7\)](#)   [PR-1456](#)   [#1](#)

```

PROCESS CALRAD_WCLOUD done
PROCESS done

```

```

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/fv3_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 dynf024.nc .....OK

```

```
Moving phyf000.nc .....OK
Moving phyf024.nc .....OK
Moving PRSLEV.GrbF00 .....OK
Moving PRSLEV.GrbF24 .....OK

Moving NATLEV.GrbF00 .....OK
Moving NATLEV.GrbF24 .....OK
```

```
The total amount of wall time           = 698.025148
The maximum resident set size (KB)     = 634784
```

```
Test std_base regional_control PASS
```

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/fv3_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 dynf024.nc .....OK
Comparing phyf000.nc .....OK
Comparing phyf024.nc .....OK
Comparing PRSLEV.GrbF00 .....OK
Comparing PRSLEV.GrbF24 .....OK
Comparing NATLEV.GrbF00 .....OK
Comparing NATLEV.GrbF24 .....OK
```

```
The total amount of wall time           = 3365.678509
The maximum resident set size (KB)     = 720108
```

```
Test thr regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 01h:10m:38s. 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 560a0dccc05b
```

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

```
Deleted: sha256:560a0dccc05b56313e3f2aea3435eb102a1faa94db2bcaa4e3768e52282021dd
Deleted: sha256:930154bf01611b2d0661da31b4f8e55d4a1a7bedafc7ba360aa636bbaa86a487
Deleted: sha256:d0393478384a52fc4e23e602c5758ad690b3fc459d3caf0456ce34b814b2f0b4
Deleted: sha256:74974894f08906219d8d50df7c833a4546ca3700190fb84fc5d28a04ba848353

Deleted: sha256:a0aa6f878732dd3560dad5bb68ac04784615fef3ba62306edbe8e79e5c35dc18
Deleted: sha256:50e35007a4efe2fa7923214f42f00579dbe1337c8754c3bf275a970c18fe1227
Deleted: sha256:8bb10a56e09b15feacd0810e813b1f4baaa3d1abfbca1bd3d708e047fff3333f
Deleted: sha256:e97426404d56021051f0179c6113c0e25d2317fc9c80a159535ed71040885883
Deleted: sha256:23a7435b8a59ebf702653be918fcdc5b404444b5b916cde18684d7c09f0b2a6e
Deleted: sha256:949b45587dbf42484e91ac9fffc3e227f5897bbf5fa9a7725ef2f1fb8f23fec9f
Deleted: sha256:0e19710deab6e35cdc7af0c0bc28f4026a450d5ed6fbf8736c7c94547ad9f9d2
Deleted: sha256:faf25619452936c6a6c193da32caa2bc2c7ff96bac169c60453492869bca9090
Deleted: sha256:4b2b4ae354897abec5e971ee56151d582504daef90214001c3965fde5d87a752
Deleted: sha256:9e4afb42cfa3d3af919db59d46abf2e8130eef914c5ebb9e65a2a083f2a524b5
Deleted: sha256:11f6e72b58fe2e6cb53f6cfbdecca7308d1302c6ec1cb0ae58d286a037b31815
Deleted: sha256:133028ff108a53a5e373d23f5d561928b14657956417005e0de989c25bac3303

++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 77e33c658486

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-
stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[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 2.361.1