






 Status

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 View as plain text

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 Open Blue Ocean

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## Console Output

Skipping 204 KB.. [Full Log](#)

```
'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
```

```

'dbg'] 2baca096af66: Verifying Checksum
       2baca096af66: Download complete
'dbg'] 2baca096af66: Verifying Checksum
       2baca096af66: Download complete
'bit']
       2baca096af66: Verifying Checksum
       2baca096af66: Download complete
'rst'] 17209bb9a51e02f147ade55c91eb4a1954171f976de77ae25caf00d733d5576a
       [Pipeline] }
       [Pipeline] // stage
       [Pipeline] stage
       [Pipeline] { (Test)
       [Pipeline] sh
'rst'] + docker run --rm --env test_name=control --env run_case=rst --workdir /home/builder/ufs-
       weather-model/tests --volume DataVolume:/home/builder/data/NEMSFV3gfs --interactive --shm-
       size=512m ci-test-weather
       05d80b876b7c
       WARNING: UNKNOWN PLATFORM
       test name: control
       cases to compile: std
       compiling std with compile option -DAPP=ATM -
       DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3
       _GFS_v15_thompson_mynn_lam3km -D32BIT=ON
'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
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
'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
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

'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
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'] 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
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 = 1100.791263  
The maximum resident set size (KB) = 611784

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           = 650.449501
The maximum resident set size (KB)     = 811520

```

Test thr control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

opnReqTest finished

Elapsed time: 00h:32m:01s. Have a nice day!

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

```
'thr'] ++ docker image ls
```

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

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

```
+ docker rmi -f d721f559e659
```

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

```
Deleted: sha256:d721f559e659d87ea32e267906d0c155b3d992791f528c9899632f16dac8c4a7
```

```
Deleted: sha256:20fd9be3d628ccc5a0f0a9c223b681d08a18ccf42442cf3cf1be886632a4ed0e
```

```
Deleted: sha256:257da50a183d1091d3c172df8da9b2f7f13d5e7338fd5f3064d9ae77b1eef314
```

```
Deleted: sha256:9df485ef74c89e75b8fb22d844f96010ea19be04103a2aaa652c2e560d8c24d5
```

```
Deleted: sha256:edeea68fc84ccdb4aab69bf7f1aec1bf0af4433056aa770611bbd73c145a3225
```

```
Deleted: sha256:cfb0303890b25c6caa8c2ee1378f9b4314c273fdfaf9a586847de04ca5e24274
```

```
Deleted: sha256:bd7eff1c58d80bedebec3055223e2a9ae30bbdc9a9da665283498be8290f16f
```

```
Deleted: sha256:8d47cc0fe93015d840e5b5be2e6cd873093c286e28566cc668a5b2e097412a1d
```

```
Deleted: sha256:860e610d6cb6c3094fed60799f47994edc8969237611d6cb5501b48bb6c25664
```

```
Deleted: sha256:d901e495a844b25fb0830a6883e2b5f8e429cfa1e6dab4ee60f4e588609868c4
```

```
Deleted: sha256:a365f85137d0815c3c8d9c53c09f13cedf03a31f05a2195cf8218045f5ad65a1
```

```
Deleted: sha256:8b4347c7779b6cd18c1e31a237f36a802aee3f080b9e47ca4f0117ed2cdd599b
```

```
Deleted: sha256:d9e1376f7c51e9fa1d10e9831a0f9a5b16766a775e65839f14940b572948b7b3
```

```
Deleted: sha256:b8098b3b88eca0d12e52bef635265c531b1f4c38010d1a02400f9a5599a6dc0f
```

```
Deleted: sha256:7c42ae8611f934059ee805773192d92be0b170a3a8f132889248230e46ae10df
```

```
Deleted: sha256:8cd5f38dafa5cc4d875658f02e5b43ef5e997d20c36a38923bb1391a0da4a937
```

```
++ 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: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c
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] }

```

'rst'] done compiling std

cases to run: std\_base rst

Running test for std\_base 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
```

```

'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)=          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 lvl$xml:           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 lvl$xml:           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
'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 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 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

'dbg'] 2baca096af66: Pull complete

Digest: sha256:2d759813dcbe3b1b1d1cc6c1d7ed58811139c61fddcdc98b602d4a20fd41041a

Status: Downloaded newer image for noaaepic/input-data:20220414

'dbg'] 2baca096af66: Pull complete

Digest: sha256:2d759813dcbe3b1b1d1cc6c1d7ed58811139c61fddcdc98b602d4a20fd41041a

'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
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
```

```
'dbg'] Status: Downloaded newer image for noaaepic/input-data:20220414
```

```
'dcp'] 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
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
'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
'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
datset is: GFSPRS
MXFLD is:          1200
size of lvl$xml:          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

```

'bit'] 2baca096af66: Pull complete

Digest: sha256:2d759813dcbe3b1b1d1cc6c1d7ed58811139c61fddcdc98b602d4a20fd41041a

Status: Downloaded newer image for noaaepic/input-data:20220414

```

'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

```

```

'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
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
```

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
'dbg'] af3bd85e08a3bfdaf220b21668e792827ccece570d6149c28a6686623eb8b2be
[Pipeline] }

[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'dbg'] + docker run --rm --env test_name=cpld_control_nowave_noaero_p8 --env run_case=dbg --
workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-size=512m ci-test-weather
ceab3152c94c
WARNING: UNKNOWN PLATFORM
test name: cpld_control_nowave_noaero_p8
cases to compile: dbg
compiling dbg with compile option -DAPP=S2SW -DCCPP_SUITES=FV3_GFS_v17_coupled_p8 -
DDEBUG=ON
'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
'dbg'] 91896cb95048d975851ce686b4df604e538007530fccbe593eb8506c4630522f
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'dbg'] + docker run --rm --env test_name=control --env run_case=dbg --workdir /home/builder/ufs-
weather-model/tests --volume DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-
size=512m ci-test-weather
b0163e0bfc54
WARNING: UNKNOWN PLATFORM
test name: control
cases to compile: dbg
compiling dbg with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3
_GFS_v15_thompson_mynn_lam3km -D32BIT=ON -DDEBUG=ON
'bit'] 4873f6737ed27e84e3427c4a1f92a3fdc3854527ec0191906a2a69d064d7b6f2
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)

```

```

[Pipeline] sh
'bit'] + docker run --rm --env test_name=control --env run_case=bit --workdir /home/builder/ufs-
weather-model/tests --volume DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-
size=512m ci-test-weather

4b5923d76192
WARNING: UNKNOWN PLATFORM
test name: control
cases to compile: bit
compiling bit with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3
_GFS_v15_thompson_mynn_lam3km
'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
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'] done compiling dbg

cases to run: dbg\_base

Running test for dbg\_base with

THRD: 1; INPES: 2; JNPES: 2; TASKS: 46; 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 ./fv3.exe

(MOM\_cap:InitializeAdvertise)current time: y,m,d- 2021 3 22  
h,m,s= 6 0 0

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

WARNING from PE 0: MOM\_obsolete\_params: ETA\_TOLERANCE\_AUX is an obsolete run-time flag.

WARNING from PE 0: Open\_file is appending .nc to the filename  
MOM6\_OUTPUT/ocean\_geometry

'dbg'] done compiling dbg

cases to run: dbg\_base

Running test for dbg\_base 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

'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

```
'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
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
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
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

'bit'] done compiling bit

cases to run: bit\_base

Running test for bit\_base 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

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
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'] 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
'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
'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 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

```

```
'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          = 489.656464
The maximum resident set size (KB)    = 621772

```

```
Test dbg_base control PASS
```

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:09m:25s. 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 b00ddd1b2592

Untagged: ci-test-weather:latest

Deleted: sha256:b00ddd1b2592ab295a2afddca500b00c511405e6d5041cfdc5fa276649cb21e4

Deleted: sha256:c48822a9f2bfef3737c0e1fdf83b325946f8496276e6fe97e0ec6b3bf37b29da

Deleted: sha256:75e764ef722cbeb160252ca075fdbce2a11946c932d994fbef6547e7d0a993d1

Deleted: sha256:cc53f96a358ecbac5f5922aa01fad4941935354244c6d4be0e69366196d19a1e

Deleted: sha256:172afda8c1f1e37c6d6036f72d0ae9c83b42f0181f4534d1183ef0036bc5223c

Deleted: sha256:260459fa9381347e6b9b4bc770d552eb69e7c6fe5f19bab758e4f0e833fd1b44

Deleted: sha256:8c34bace1aafd1db0e933d4e1f1462c6bd1cdb8de5b8a8afe4c196e00221a501

Deleted: sha256:58a0b7fe6abd4d8c84b472de0440b5e0699c94257cccf1fd0acbd17a7d927163

Deleted: sha256:9733300be59d87fffc69c255e7e4eb7b4868595a79339e55e3371350b52887979

Deleted: sha256:d2576940abefce1db63cf4b9df72fe36fcfc46a711e4af53633ace28a9a03db0

Deleted: sha256:29a43521e126cfcf4cfc2caddc67c84bf582585c3996417c9f5198e6635bb1e3

Deleted: sha256:2ee90596042602758f6c3e936ec8a8fa866e5b20e3d4bb61b7a60637a7d0492e

Deleted: sha256:438e4cc484360e08a977c8e88509f0b657f2ca94036c293b4257d3bfc8311dec

Deleted: sha256:d45545153924eae3390927896e59a38a80eae9b54819c6c6a3dd78bc754bb43c

Deleted: sha256:1c85af03a400d20ce71393e3c00c096e1d8e4abbbad9bca263324bb83ae1fde2

Deleted: sha256:0a5da6ef6b05471a6f19b9319f956ddf7147579dc0b39103b41c6464dfb58276

++ 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: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'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
```

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 = 804.107617
```

```
The maximum resident set size (KB) = 614880
```

```
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 = 682.759997
```

```
The maximum resident set size (KB) = 633572
```

```
Test std_base regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:27m:41s. 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 530c1d7f83bc
Untagged: ci-test-weather:latest
Deleted: sha256:530c1d7f83bc46e15b82c14ce5541beb549129a1d2c0f724e8aba1c06801daf2
Deleted: sha256:8ac097a9a7530fa5a3b76ea5c1f9e48346d7f13236d61dd8a932ba4110431f26
Deleted: sha256:8ba6fba413bcd56e2175de77136705c1183592ca514a6697afe78d58b38321e5
Deleted: sha256:660c100eb985d625e45ddd2e117419724404093ae50b259d3e4ff3a69f44ba0a
Deleted: sha256:04c14bbbb5d8216c9c246416a8c88ebe7c96c49e85e0657ef14b76b7d5019634
Deleted: sha256:a57fcec3124330ee2dd24ba82ccee10987e8758ebaf0a989a673c1fb34b1da
Deleted: sha256:7de862defe67b27e50c8ba0b86cd607a0e7d1d75d6ff75f4625cc9280761080f
Deleted: sha256:558be8cdeb3cf1bbe73c74f04dccc81fcf897fe6e364e1269baad51895cf7703
Deleted: sha256:7996a77dcce1847c160d29afeb8e84e27e9cec7de32a6d1e1dbf3b8f7dd6dac0
Deleted: sha256:210259e894db5ba877f0505e08ce51d980e81a4fe578c35b842e8e82783610a0
Deleted: sha256:61b6d92cbeb8f4b001ae1baac282fa5331fa36cc24caafeec69e08d934b703cd
Deleted: sha256:ad83036fd04cbdccc0be1f20a39f0dbb643a81d87a5e6c6643f0a1d1cc46e1170
Deleted: sha256:2e80c8d1d517217b28671c5c433423bd337071ff68dcfb6410a267550016e750
Deleted: sha256:1615f6c592d66658567da6813f473eb65c01d6f1538c74f44b00addca81b8150
Deleted: sha256:8f50dad79dd08a0b43db2e6edd7da8f9dddea48611833e22916153c6dbf23149
Deleted: sha256:4a7e7d462bff5491e4351488e35cbd12556b3659e00c064a0b3b3d17a10aad8
++ 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] }

'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'] 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
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
'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
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
'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

```

```

'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

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 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
```

```
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           = 1079.246213
The maximum resident set size (KB)     = 608236
```

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 = 1086.066740

The maximum resident set size (KB) = 618484

Test std\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:39m:01s. 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 85b4a893b8ed
```

```
Untagged: ci-test-weather:latest
Deleted: sha256:85b4a893b8edfc722b5ee68467bed83c693acfb709b5093093dd45a18f3ef95a
Deleted: sha256:8812305d61c37004ea8cb71b673bc72cfef7af32ff91388234aa6f8aaba54d6a
Deleted: sha256:7a7a70f20eccdab790504651ab87adc578e4cf7ff28dbde120e2b2bfb2402bb3

Deleted: sha256:bf4359dc88aa96af1f286c386c93c3e53200f05204dd7e1be2bc435b4b64897b
Deleted: sha256:a6d673c7930c74313af018c22d5f279611833d1ff8751df434782692612d0d3a
Deleted: sha256:1eb8ce5e6356b85f63c057a057bb5bf08d37c95aaabe0c6684ffeb7c0d01366b
Deleted: sha256:af7118a356572b55fa27313843f55ae8fa59bf06db21339c682d7031e8a8eee1
Deleted: sha256:e7fca7666f4cc361aaa041e90605b72a20863e5981ba192bc1e96d2b7dc8f615
Deleted: sha256:148fca610806cfc7880844845346808b7fb94c18e6e3ca553a3617238a426f58
Deleted: sha256:9bdda423670b6b35e4db8f85f30bd22a142f177a88802e563e582ac0fec13f8f
Deleted: sha256:75bd4b16bd4351a56af0b6278eed416d69e61401a1df08ce00d3e5c87af521fa
Deleted: sha256:0f0dd99bb9fb321aec1eb5e91fd3b8ceaf7f0d22d30d4fb13279939cf490a41b
Deleted: sha256:b3dc1b513e5d84b4f7eae5323fb047526a295e3a521abd295321df05d731218d
Deleted: sha256:1975b8b5f0434a5e1b7d1a48a8670ff21bbca0ddcdf142e85e7bbcd4c3a6089
Deleted: sha256:8411b6dda8c2e970a69209af07314d75b3248ee1cb920d1c8597d740a1cb68ab
Deleted: sha256:fa2f808524de423ebf67bf010310474264d3acbac471fbaecffd954f0411aab2
++ 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:eea858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
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] }
```



```

'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
'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 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 = 1443.788417

The maximum resident set size (KB) = 705632

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 = 1115.042330

The maximum resident set size (KB) = 614912

Test std\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:45m:32s. 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 95c08a84ad7e
Untagged: ci-test-weather:latest
Deleted: sha256:95c08a84ad7e3416a90490676b432985774ff2d5d3236b84480cd2b6d923d888
Deleted: sha256:a8d08512dcb25c3f653f9133f07c4c94bc300335a387495d2e5325ea40a15c0
Deleted: sha256:d925f339625b284d6c0cdfd62478782268094985d8bd8cdfd4ef588123ff264
Deleted: sha256:f21808b1f68817e9f5e1f00041d1c6feeff2ac071e4bf5b159a10773ca39b3e
Deleted: sha256:5b5ec17ba678988abf120e4843c4ae5e83f6d8b5ca838f1194ca94c76b00c474
Deleted: sha256:b7866928a4d16d61aff87f5dd937d7313880deba5ad3b04e59c7c41706777cb1
Deleted: sha256:dd5cca52c907183386d3f7e08f01c5f65c3313bac5409792e80782162d89fc28
Deleted: sha256:ce972aff4bbb9cf2c91f2d545002cf004f0511c7b85995b7d7ed43320c715384
Deleted: sha256:150a1d0fcf40debcad14ca9980f0bedf9242bf30a3a31aca06eb2441bb10f24c
Deleted: sha256:9025f45af941c0181d4239ad18f94c886aa9a71776469001a82a2bc2d045b5b8
Deleted: sha256:3cc52b662f99cff1eae0ec4a888d234ab20f6f157bd825cfe4b0c7c9e1269ceb
Deleted: sha256:40be6e1d703312d86fe98093cd18a858457bcb82367e8e4cb4f681dd8f47185f
Deleted: sha256:a0530e5d4d87ff316d35b700478de09978f4ba73c802be19ff34a6947f31771f
Deleted: sha256:5b893f88b8a5f605a130cd850e774f0a1527f182a1ebdd7cd3865bc0f4fb2da6
Deleted: sha256:fc76c1e29103c3691a63d9658c81e196cef2ffabb31a242a562928543857531a
Deleted: sha256:0e876afc757bc7a77740bc95d1ff0c26d77664a861eb78c15a1d7b16b7256127
++ 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:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[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           = 554.624710
The maximum resident set size (KB)     = 347964
```

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 = 1095.794413

The maximum resident set size (KB) = 621668

Test std\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:30m:24s. 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 af485d3b1a77
```

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

```
Deleted: sha256:af485d3b1a7731541c0760bf8f7b07716cf3e7a6016b23bea427fdb862065d63
Deleted: sha256:6a12f3e5811feceb7364df2fcf82fdac3d56e507991ed7f098999b14493a114f
Deleted: sha256:06c36c5c5b2abd55add96748d4c1e193cf4887843beba27c884f842978970416
Deleted: sha256:2967c2ee6280a8081189e01df30398b30f21090a0ef4767282b4f8a2ea1be69c
```

```
Deleted: sha256:07971a92b506e9c8119bd45a9e58ca47a1618be5077c2bdfdb39eb5a1e0e5220
Deleted: sha256:d19c939d4eafd7fda650495a40a954d4a0788277da964a8719d61ebbee94be6d
Deleted: sha256:7411e8c1e8747e4334b57e6537ff762702ff1073ca21bf69ddc2ea019a7f0df8
Deleted: sha256:629333d14098e42c184b92f2f47444b6eb81c57427f8681807390b0a0d90d9b0
Deleted: sha256:023dbcd930f61e85153d4baeb574edabb4a42938dc165b2bf0a9e0839628f0e6
Deleted: sha256:fc7fffa6a1954214f6e7f4b04f11f28bddad33b628ddfa3d8c51473dc43f61ed
Deleted: sha256:d90b7c09b7646e34f2cf70a163f968c5e4cf85bce8cd96e8881851ab31bf1adb
Deleted: sha256:73eb0d6322208d5bb83b1837ef7a615b8190a3a91addb7f48b7a0a99cc05fe76
Deleted: sha256:701b8712e0fe3b16ee6b6e16beadfa9797c31d8a3df04aa912d77ca5401fdde4
Deleted: sha256:1e1143cebb7f8f7479ff7bd7e5731123a6e99574b1bc66d810e19c7c81acd25f
Deleted: sha256:a54f0e8340a2a1768504e291b60d343b2619e51866a1b50520369e65d5d7f173
Deleted: sha256:1d853088f43a1c0203ad16f6e5c3958ecdde14790ac4b0b89000c3c66b3ed9e0
```

```
++ 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: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7b7f2
```

```
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
```

```
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
```

```
[Pipeline] }
```

```
[Pipeline] // withEnv
```

```
[Pipeline] }
```

```
[Pipeline] // node
```

```
[Pipeline] }
```

```
[Pipeline] // withEnv
```

```
[Pipeline] }
```

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

```
[Pipeline] }
```

```
in readxml,bf readxml,size(post_avblflds%param)=
```

```
47
```

```
'bit'] 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
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_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 = 1226.557818

The maximum resident set size (KB) = 668000

Test bit\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:23m:13s. 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 315017e9ef0a
```

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

```
Deleted: sha256:315017e9ef0a81649f605462590b4271eec6c4b82186d94d03ccb83046275678
```

```
Deleted: sha256:3dafa5b1216ff7b515aa0a0054fa938cd1351cae50f53dfa0f71825c584e7a58
```

Deleted: sha256:63fe8c303f32cc56f107a2e15a23787436041e421d765a95757fb8ce82587b10  
 Deleted: sha256:12a7176c2824ebf667b5eff4031961af6af0fb584b0149331ea022d02d084cd3  
 Deleted: sha256:5803709d121a302072caadc6a3430de1306c94b8b3b92850da1bb7b885ea4d1d  
 Deleted: sha256:4a1cccc9ae03c750f4ec4a6e7e6cbd779575f1afc646eafacc6f58b47ee90707

Deleted: sha256:f7437322e0d7b0f55ca86e3eb8b5c614d5b39088d450198c5db075872b731290  
 Deleted: sha256:ab4ce7392e0cb4c2c765d91eeb28a638cb1243acfcda7a6327ba423c3a810d09  
 Deleted: sha256:3bcbcd2d0696df951c8608bf6568be19a9bcee7503fe7a515e45ea8e65a3f6f7  
 Deleted: sha256:452063159bb0f05d2ff54a4739254ecec321c502b933d0ce33c0d0dd5a2db89a  
 Deleted: sha256:75e6097fed8ca5db27629e73744fc6ef4a235a91a2d6b97b822cae7b2658b026  
 Deleted: sha256:d93a5af37e895392d4e020fba1d1296ab3115d53b462ea201561bb3335372822  
 Deleted: sha256:44c5482e758aa4654dbd791d535af4d43ffb3f7e560f39e38f47c5669dc7b9a1  
 Deleted: sha256:bae41ac94a23c0f7a74dc456ff5a73c525acf31d6f7210f1a17e14832c90c261  
 Deleted: sha256:0077fdab4ada66d29fb20e0c08b72d317ebe989db9349d80b38cef6d16140349  
 Deleted: sha256:5bacd2281f861779776d9a2759a1e8bf177b752b2999412caa89ae1ec385d39a

++ 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:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[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
```

```
'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 = 2071.585806

The maximum resident set size (KB) = 1955996

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

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:36m:14s. 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 a997a4368cf6
```

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

```
Deleted: sha256:a997a4368cf6386a6b18cc3bbc879e516b869daa498a08a288d39c197eaf1892
```

```
Deleted: sha256:84fb7d76d9bcb82225b59f687ce4153cb56a7f8236e0a4e909af61d20f50856b
```

```
Deleted: sha256:e4cf6914cbe7be2e7f681aa5df4620636d76349aa7e8ae6d7fb95db5389b0ce9
```

```
Deleted: sha256:1ed38264e617b22dc7be377599ef28577b19a967af98145f1df7a046349fed97
```

```
Deleted: sha256:e5e41bb3005fd016f60371fde397e7aa87c2e71e87a21b5498cc1668dc2817de
```

```
Deleted: sha256:5438e172767240aefdba26effcfdd906adebe787e5a8ac17eb9fc8038e337dc0
```

```
Deleted: sha256:471006fe211c1193cb3b06db0540637194b725d7b20f87eec428db8271a6b7cd
```

```
Deleted: sha256:6ee4426018702666df166cb9a5810cd84f032fbbb01b19ab14ccbc6a656245f3
```

```
Deleted: sha256:5340c74a019a6007463b2e4c6f79474861f262f03b706f3669c5482215e54121
```

```
Deleted: sha256:632f383b20a65eae9984b5fdc83a637727aef95e9d6391c952803ca9a69737a5
```

```
Deleted: sha256:34075acd4f92a50b5ae51c1ac012dca8c022316cadc3d0f8897b3056ff699ff3
Deleted: sha256:23b374c3814cd8d7ea9e27ac2e27756405c118bbc76a24cd8e02244544eb0660
Deleted: sha256:b159f1b9627781ece6bda902994eb00c23a73d7546386c658e19a0830fc75a83
Deleted: sha256:9dd87e750fcb2a0c8b270a2541b02e12bc9d81bef1eee8e055d1d7223569398
```

```
Deleted: sha256:7b5a3dd8adb59819e5ded131d990d3a92ac5ca82665ef354413984e88207b2c7
Deleted: sha256:d4100e31584fdb60ec4a72f89fd268d84443b6f4cf846d5bca2f36b808c84ab1
```

```
++ docker image ls
```

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

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

```
+ 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] }
```

```
'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
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

```

**Dashboard** [ufs-weather-model](#) [ort-docker-wrapper-pipeline](#) [Pull Requests \(6\)](#) [PR-1410](#) [#5](#)

```

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 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
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_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           = 702.507926
The maximum resident set size (KB)      = 633828
```

```
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           = 3376.028691
The maximum resident set size (KB)     = 721776
```

Test thr regional\_control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:10m:57s. 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 e4587a446539
```

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

```
Deleted: sha256:e4587a4465395a25d6f6fd1d3e5db62e0fb1008a7689a88443a71ae89d3c896a
```

```
Deleted: sha256:3757ab9a5affb4de103df5605c19d72ae06b49633838cd1284b12c0d93207e2d
```

```
Deleted: sha256:9b45ac15264b22a9c0c2606ea006b16535c972830c858e34d16b376a23c9f34f
```

```
Deleted: sha256:bf725471172f93b1cec81907a6653debadb3fcdd702cf374bfd2dbfa5e775279
```

```
Deleted: sha256:dcf1aa7886b8a2970bf7633716d101bf1ca57fb54c38d99056b320e91927681e
```

```
Deleted: sha256:eec93ee4f95bd0041e6de0811e60faa3dc9632f64689c1202312156cfe5ff60e
```

```
Deleted: sha256:334b52a0feac2a3ec8947e5cb134eda05eb58636ec3aeaa237e98529532a51cf
```

```
Deleted: sha256:5eabf92e8de0e973df70552858418ea7e3e4b2c8232d32e22a8ed26e34ec241a
```

```
Deleted: sha256:2100d811160aa5cd4656fd8c6e18e952629e43e09b4ffe0788423b8985cd173a
```

```
Deleted: sha256:bf698e89e2f61afaa4b6edd22d9845ab71134104675203c4d1a5dcfe21b3779
```

```
Deleted: sha256:c369b6e2bd9c176979309d0948c8c9fb3ed1852e67d161012e01540f6cea65f
```

```
Deleted: sha256:cd56ada328eabc2155678f73b8b4fdd1e414c19be677d4fa78023525d90168ff
```

```
Deleted: sha256:bd9476fff8583b766cfb2ba19651410cbf7c8e0f6a0d8ebd609f8f73121f507f
```

```
Deleted: sha256:333e813402e66613bfc24da3a9a7b57fbcdbd1feb8b1d6d4c0de5c251005c0c5
Deleted: sha256:8471955fb99234115c36af61cc6f0d2761537176e67be25c69a69228f76708da
Deleted: sha256:f8a5d2f4f50ecf4497320fa121f4dfb8bb36ce0cc6658a18a2bae98f163e4e71
++ 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: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c
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] }
[Pipeline] // parallel
[Pipeline] }
[Pipeline] // stage
[Pipeline] End of Pipeline
```

GitHub has been notified of this commit's build result

Finished: SUCCESS

