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## Console Output

Skipping 207 KB.. [Full Log](#)

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

```
PROCESS MDL2THANDPV done
```

```
PROCESS CALRAD_WCLOUD done
```

```
PROCESS done
```

```
'dbg'] Using non-aerosol-aware version of Thompson microphysics
```

```
calling table_ccnAct routine
```

```
creating qc collision eff tables
```

```

creating rain evap table
creating ice converting to snow table
creating rain collecting graupel table
creating freezing of water drops table

```

```
... DONE microphysical lookup tables
```

```

'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 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

```

```

'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 = 510.917627

The maximum resident set size (KB) = 629312

Test dbg\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:09m:48s. 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 d1664b99e5d3

Untagged: ci-test-weather:latest

Deleted: sha256:d1664b99e5d368ab8a0f918a0f1ff6ae9aad31aa6a5b4a6d3b0de4a08dacc358

Deleted: sha256:a01eafc1c254e6de00f17829c4a924092622074030baefeff50e773127aba4c5

Deleted: sha256:442bca118f8ec452d49cb4280c239756936dc323208938187c3267f48fa2ba9b

Deleted: sha256:aa8561dbc0b94051cc1e92001289b741ba98b7c46f405563894dba2dbec4822d

Deleted: sha256:f7e5f1beef50a7b254dbb00d0884669e1b348b6dbb721f304d963e75e43a47d4

Deleted: sha256:f14f85ba4b7cf49ea49db5ad6651bb3cdaeccf198bbd80917529bc6c6fc36c1f

Deleted: sha256:72cd9d27d9ea2fea959f9a3b50defa8812f45669d5fbc34a043fe90502a9fc74

Deleted: sha256:63f59b383909ac7db100faa7c86299216334fd64a6cf67213f56c14ca3ad7c2e

Deleted: sha256:581f99ac0190f7f507c050a3505e6806724cb96a13a1ce90ecc5526427547228

Deleted: sha256:873fc25ce8dade435843541186dcfa192f55ea75e4a58d33cbd15eb37c2a3d91

Deleted: sha256:6fdda501d97917b5aaccf849f0333c7ef857cec688ce36082430112299d2301b

Deleted: sha256:e2fa3595ff9bf8c79093dbcb4e83bf3f740eda6553090c51f475a28ee14f6d9b

Deleted: sha256:2bbcd2cd4be58dd86f433e0e81885c19817776208c11fb2066e2775d349323e4

Deleted: sha256:e9b4436b71b9a0e3dbf9adaf3c75a62ad3a8b6063438835ca234ec6d0328d0f1

Deleted: sha256:abfd450380fd7905afdfc6c71202f5cda6250b1def1a5a8cd48398c4f4019e62

Deleted: sha256:23d43652f3984dc419b9728330a6accf2c9a3f161adb84b5beb873c9cc5c2ae3

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 77e33c658486

'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
dataset is: PRSLEV
MXFLD is:                             1200
size of lvl$xml:                       238500
size of post_avblflds param            258
in readxml. nfld=                      258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
numr,dyval,DY_m=                       1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:                      219
dataset is: NATLEV
MXFLD is:                             1200
size of lvl$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

```

```
'dbg'] 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:cdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbdbb8dec29c987439
```

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```

[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage

[Pipeline] }
'dcp'] reset of fraction_interval w          6  64800.0000
       reset of fraction_interval w          6  64800.0000
       reset of fraction_interval u          6  64800.0000
       reset of fraction_interval u          6  64800.0000
       reset of fraction_interval v          6  64800.0000
       reset of fraction_interval v          6  64800.0000
'thr'] reset of fraction_interval w          6  64800.0000
       reset of fraction_interval w          6  64800.0000
       reset of fraction_interval u          6  64800.0000
       reset of fraction_interval u          6  64800.0000
       reset of fraction_interval v          6  64800.0000
       reset of fraction_interval v          6  64800.0000
'dcp'] reset of fraction_interval w          6  86400.0000
       reset of fraction_interval w          6  86400.0000
       reset of fraction_interval u          6  86400.0000
       reset of fraction_interval u          6  86400.0000
       reset of fraction_interval v          6  86400.0000
       reset of fraction_interval v          6  86400.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          258
sum num_post_afld :          477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          258
datset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          238500
size of post_avblflds param          258
in readxml. nfld=          258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done

```

```

PROCESS SURFCE done
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000

numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
PROCESS CLDRAD done
'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
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000

```



```
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done

PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      238500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
numr,dyval,DY_m=      1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Running test for thr with
      THRD: 2; INPES: 4; JNPES: 4; TASKS: 24; TPN: 20
PROCESS MISCLN done
```

```

'dcp'] 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
'thr'] ++ OMP_PROC_BIND=true
++ OMP_NUM_THREADS=2
++ mpiexec -n 30 -bind-to
user:0+1,2+3,4+5,6+7,8+9,10+11,12+13,14+15,16+17,18+19,20+21,22+23,24+25,26+27,28+29,30+31,
32,33,34,35,36,37,38,39 ./fv3.exe

```

```
'dcp'] ++ mpiexec -n 38 -bind-to
user:0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,
32,33,34,35,36,37 ./fv3.exe
Using non-aerosol-aware version of Thompson microphysics

    calling table_ccnAct routine
    creating qc collision eff tables
    creating rain evap table
    creating ice converting to snow table
    creating rain collecting graupel table
    creating freezing of water drops table
    ... DONE microphysical lookup tables
in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          258
sum num_post_afld :          477
in readxml, aft read flat file.xml,num_post_afld=        258
in readxml, aft read flat file.xml,num_pset=            2
Size of pset is:          258
datset is: PRSLEV
MXFLD is:          1200
size of 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

```

```

'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

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

'thr']

WARNING from PE 4: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

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

WARNING from PE 8: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

WARNING from PE 11: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

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

WARNING from PE 3: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

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

WARNING from PE 0: atmos\_modeldefine\_blocks\_packed: domain ( 53 48) is not an even divisor with definition ( 32) - blocks will not be uniform with a remainder of 16

Using non-aerosol-aware version of Thompson microphysics

calling table\_ccnAct routine

creating qc collision eff tables

creating rain evap table

creating ice converting to snow table

creating rain collecting graupel table

creating freezing of water drops table

... DONE microphysical lookup tables

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

xml\_perl\_data read Post flat file

allocate paramset to : 2

```

allocate param to :          219
sum num_post_afld :         219
allocate param to :          258
sum num_post_afld :         477

in readxml, aft read flat file.xml,num_post_afld=          258
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          258
dataset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          238500
size of post_avblflds param          258
in readxml. nfld=          258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
numr,dyval,DY_m=          1          200000          22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          219
dataset is: NATLEV
MXFLD is:          1200
size of lvl$xml:          238500
size of post_avblflds param          219
in readxml. nfld=          219 nrecout=          1569
PROCESS starts
PROCESS MDLFLD done

```

```

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

PROCESS SURFCE done
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
numr,dyval,DY_m=          1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
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
'dcp'] reset of fraction_interval w          6  21600.0000
reset of fraction_interval w          6  21600.0000
reset of fraction_interval u          6  21600.0000
reset of fraction_interval u          6  21600.0000
reset of fraction_interval v          6  21600.0000
reset of fraction_interval v          6  21600.0000
'rst'] in readxml,bf readxml,size(post_avblflds%param)=      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 rst with

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

++ mpiexec -n 80 -bind-to

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

```
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          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 thr with

```

      THRD: 2; INPES: 3; JNPES: 1; TASKS: 30; TPN: 20
++ OMP_PROC_BIND=true
++ OMP_NUM_THREADS=2
++ mpiexec -n 30 -bind-to
user:0+1,2+3,4+5,6+7,8+9,10+11,12+13,14+15,16+17,18+19,20+21,22+23,24+25,26+27,28+29,30+31,
32+33,34+35,36,37,38,39,40,41,42,43,44,45,46,47 ./fv3.exe
  in readxml,bf readxml,size(post_avblflds%param)=          1
  xml_perl_data read Post flat file
  allocate paramset to :          2
  allocate param to :          47
  sum num_post_afld :          47
  allocate param to :          150
  sum num_post_afld :          197
  in readxml, aft read flat file.xml,num_post_afld=          150
  in readxml, aft read flat file.xml,num_pset=          2
  Size of pset is:          150
  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'] 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
```

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

```
allocate param to :          112
sum num_post_afld :         112
allocate param to :          197
sum num_post_afld :         309

in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          112
in readxml. nfld=          112 nrecout=          121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
```

```

PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done
PROCESS done
'dcp'] reset of fraction_interval w          6  43200.0000
reset of fraction_interval w          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval u          6  43200.0000
reset of fraction_interval v          6  43200.0000
reset of fraction_interval v          6  43200.0000
in readxml,bf readxml,size(post_avblflds%param)=          219
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   219
sum num_post_afld :                   219
allocate param to :                   258
sum num_post_afld :                   477
in readxml, aft read flat file.xml,num_post_afld=          258
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                   258
datset is: PRSLEV
MXFLD is:                          1200
size of lvlxml:                      238500
size of post_avblflds param          258
in readxml. nfld=                    258 nrecout=          1078
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
numr,dyval,DY_m=                    1    200000  22240.0000
PROCESS CLDRAD done
in readxml,bf readxml,size(post_avblflds%param)=          47

```



```

'mpi'] 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
'dcp'] 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

```

```
numr,dyval,DY_m=          1      200000  22240.0000
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done

PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
'mpi'] 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)=      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 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 dcp with

```

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

```

```

++ mpiexec -n 80 -bind-to

```

```

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

```

```

'bit'] in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :            112
sum num_post_afld :           112
allocate param to :            197
sum num_post_afld :           309
in readxml, aft read flat file.xml,num_post_afld=           197
in readxml, aft read flat file.xml,num_pset=                  2
Size of pset is:          197
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 = 1131.052040  
The maximum resident set size (KB) = 664396

Test bit\_base control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:21m:39s. 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 95a62e984136
```

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

```
Deleted: sha256:95a62e98413610c8a5c790da8a01eaac250d97d8b185299515b44d8e6bfff7b7f8
```

```
Deleted: sha256:ff2c412f5aa8873505c93acfe763007f799ae005a64bdb187c8e6f4c8dae9c5f
```

```
Deleted: sha256:fc923461f9ae37ad1ad8ec1e1ead998166e011b74e6b44d5f2f47bb81c44945
```

```
Deleted: sha256:ea9e4af72a547059ad93d76ef319a7ff14267f3f2fe062ef9f4d177634c7b1c7
```

```
Deleted: sha256:9c5f62057ccd819621e162a6ebf9b61063934e8392ffa2bf030d163c4faf10e3
```

```
Deleted: sha256:eb4e74e9d4af003eb9ba2db3b490d6405e551fdb7f606c9d9e9fc34e98973a3c
```

```
Deleted: sha256:4db3472d73a6f9a94c970253b240108fc01396c699a9541503a94ea777fc68f5
```

```
Deleted: sha256:b5d11940f1d0afe0cb7bebf64684015fad37918c664e1bedc16e69a45295cbc
```

```
Deleted: sha256:66d555d727a036182aace93561f1a75d1d171e480947f37a21c6e37397db7aa2
```

```
Deleted: sha256:80e636999bb633406647d27b9371a96a8f2f5c5c32e63c198fb288db97b92bf9
```

```
Deleted: sha256:383238897e06bfb26f2f11ba2dde8b89ac185026f7a1dcea18c02c3620057595
```

```
Deleted: sha256:3bcbde2dab82b50108616fa384bb8136041605d02a4702db293071c1253d26e5
```

```
Deleted: sha256:2ebd5f7a6d5cad3ad9de0691cd41546bd9e35ea4a1c38abef6fa5b9612d4a35f
```

```
Deleted: sha256:958edcbcc979adad75ba8b77fe4ba76c43bcfc0b7395405c103c7882fe4ca779
```

```
Deleted: sha256:814275410c3b939122d32f9ec3942f688d6e5db97ceb6fc79f4f93489d0ccd74
```

```
Deleted: sha256:8b6dcc4370305733b89d952fcef051f91b99fe12ee17c4b3e4ebcff9e9148ebf
```

```
++ 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:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'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
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
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

```

```

'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
dataset is: GFSFLX
MXFLD is:                1200
size of lvl$xml:         154500
size of post_avblflds param      112
in readxml. nfld=        112 nrecout=      121

```

```

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

```

```

'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
dataset is: GFSPRS
```

```
MXFLD is:          1200
size of lvlxml:      98500
size of post_avblflds param      150
in readxml. nfld=      150 nrecout=      1048
```

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

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

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

```

PROCESS CALRAD_WCLOUD done
PROCESS done
'dcp'] reset of fraction_interval w          6  64800.0000
        reset of fraction_interval w          6  64800.0000

        reset of fraction_interval u          6  64800.0000
        reset of fraction_interval u          6  64800.0000
        reset of fraction_interval v          6  64800.0000
        reset of fraction_interval v          6  64800.0000
'rst'] in readxml,bf readxml,size(post_avblflds%param)=      112
        xml_perl_data read Post flat file
        allocate paramset to :                2
        allocate param to :                   112
        sum num_post_afld :                   112
        allocate param to :                   197
        sum num_post_afld :                   309
        in readxml, aft read flat file.xml,num_post_afld=      197
        in readxml, aft read flat file.xml,num_pset=           2
        Size of pset is:                      197
        datset is: GFSPRS
        MXFLD is:                             1200
        size of lvlxml:                       154500
        size of post_avblflds param           197
        in readxml. nfld=                     197 nrecout=      1095
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:                      112
datset is: GFSFLX
MXFLD is:                             1200
size of lvlxml:                       154500
size of post_avblflds param           112

```

```

in readxml. nfld=          112 nrecout=          121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done

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

'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 lvlxml:          98500
size of post_avblflds param          150
in readxml. nfld=          150 nrecout=          1048
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts

```

```

MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

Size of pset is:          47
dataset is: GFSFLX
MXFLD is:                1200
size of 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

'rst'] in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :            112
sum num_post_afld :            112
allocate param to :            197
sum num_post_afld :            309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          197
dataset is: GFSPRS
MXFLD is:                1200
size of lvl$xml:         154500
size of post_avblflds param      197
in readxml. nfld=        197 nrecout=      1095
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done

```

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

PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvlxml:          154500
size of post_avblflds param      112
in readxml. nfld=          112 nrecout=          121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done
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           = 558.980265
The maximum resident set size (KB)     = 352220
```

```
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           = 1092.764067
The maximum resident set size (KB)     = 615764
```

```
Test std_base control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:30m:26s. Have a nice day!
```

```
opnReqTest finished
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

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

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

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

```
+ docker rmi -f a99f96155e9f
```

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

```
Deleted: sha256:a99f96155e9f6d141662f8445943127ff9c41496329042501e01b675db9ffc78
```

```
Deleted: sha256:e3e704c196e2162f819ab51ca131d9663010bb1900c29dad79223e7652bd0696
```

```
Deleted: sha256:803e044e9936e0617dc809c91770df5879a16f2674259f8653f5be7bae9cfbb3
```

```
Deleted: sha256:202a30d5d8cacfa767547d171167a90424100ff60c469e12088616b7d668614d
```

```
Deleted: sha256:37e39053b596f497fc1d07cce1030c3c4a07cc4be0f328147e741803f77b5ce0
```

```
Deleted: sha256:f563cf6499686114d9dc9492300a762ae865c73d12a819c78c8c5ff4b2f6d545
```

```
Deleted: sha256:be34bb33215cecec3234073737a18e90479fa14f3fe4e55760adb7e312c243bd
```

```
Deleted: sha256:2e69f4b7f24096a976ad02774a649fdecfcb2433f0e35a4eba0ad2ea390cde52
```

```
Deleted: sha256:2bdf0dc1f150eb9c33dd150d182ae0a9c79ce3dc24bed0b57decfce9754bed1c
```

```
Deleted: sha256:d65d695a92a08d1b7ba49a8be5befbc346650770b2e49895b4da00d2a3587ab8
```

```
Deleted: sha256:21d140f30fd8bbb1e383f835b4a6688c29def5bcb1d984b37a88704ebc052510
```

```
Deleted: sha256:67bd83181b8dce8bc83cf5ba6a24fa76413cef463b158d2d799820f31bbdfde3
```

```
Deleted: sha256:91255625c6cd1cae5c703f161ec9f7eca7dd3a2c4c3e2a43b00b6f45859ac788
```

```
Deleted: sha256:f336bd846ba536eb0b87d9bfca8587078c97c0972612419c4ccc0861f38bf0bf
```

```
Deleted: sha256:018d6b636294f52008da8c797a85443dd970e504d6f2d8350eb7a221dba73ef3
```

```
Deleted: sha256:c3d419085e6ae9eb5c742dc3a2431811f4bdfdbb9ba01194dd43e352455fc7c0f
```

```
++ 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: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          47
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
```

```

MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

Size of pset is:          112
dataset is: GFSFLX
MXFLD is:                1200
size of lvl$xml:         154500
size of post_avblflds param      112
in readxml. nfld=        112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
PROCESS done

```

```

'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
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
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           = 818.739866
The maximum resident set size (KB)      = 613536
```

```
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           = 694.373921
The maximum resident set size (KB)     = 635604
```

```
Test std_base regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:28m:16s. 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 2232f277dabb
```

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

```
Deleted: sha256:2232f277dabb3a592fe579a994b9a749d06c069e72a10832625859e7e4f5d37a
```

```
Deleted: sha256:d6fcd10651f00d70b60f112ad7464f6579d0dc8490a2e13834861928028d29fe
```

```
Deleted: sha256:675c09d8ab38cf563c6723e1cf7626b9735426b58836ee9dbdcc880c2f31e0cb
```

```
Deleted: sha256:7ce33c10eef4556f14b0b25ea9bf7e66bbc7e0174f04537d9f24affa53fa5717
```

```
Deleted: sha256:72c0b685775d25bc2d48ff067ded5a8dde43dd143290800f0c257332a1f7d81
```

```
Deleted: sha256:470137371ee9b55a9f628ad934ace51faf92e973b8ea5bc088ed7cfd7954e0c
```

```
Deleted: sha256:ee2d9a3eb0cb21980927d5c4fcc5b289c9fdaca63dd5fd8adfc8ba0f619e0065
```

```
Deleted: sha256:ee03bcbcd3d4696da030510f1c2ecb405cdb6d47346a870e8f22522b071d26d3
```

```
Deleted: sha256:d322614816038428e1b28687a29ce1f637075f8358d101d0841e9d4be9d8731b
```

```
Deleted: sha256:f4bdb0b016514d25475e295117616e98bc9bf20348258e8f45758c7320c37657
```

```
Deleted: sha256:683be9ea3bc11df63bc8365849f6306d93b38a344e3fd6e9eda8785a1fc7e19e
```

```
Deleted: sha256:d2a5a84014ff7cd41a77df087c63774ce2f2373a24f8b18d8b113a4a1c6b3f48
```

```
Deleted: sha256:6cab4705d39b1cf46ed1ab01683254b3cdcdac27128e9c78d3cfff690f56b1041
```

```
Deleted: sha256:119b908c867744202de09d2d6abeac9fc37268478dfaa2be34b12cc522742025
```

```
Deleted: sha256:be4895dde8395c418b563dcf79c8f33f04fbbaba7f3631497782f07cd4ed9bd
```

```
Deleted: sha256:974fbb89d6d32340dc9f078ae3de3618326eabd2ec1ce37fc11e8c7cfff3d26c
```

```
++ docker image ls
```

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

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

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



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

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

stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087

Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a

Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb

Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d

Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'thr'] reset of fraction_interval w          6  21600.0000
reset of fraction_interval w          6  21600.0000
reset of fraction_interval u          6  21600.0000
reset of fraction_interval u          6  21600.0000
reset of fraction_interval v          6  21600.0000
reset of fraction_interval v          6  21600.0000
'thr'] in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          197
sum num_post_afld :          309
in readxml, aft read flat file.xml,num_post_afld=          197
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          197
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          154500
size of post_avblflds param          197
in readxml. nfld=          197 nrecout=          1095
```

```
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done

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

```
Size of pset is:          112
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 = 1050.893593

The maximum resident set size (KB) = 617320

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           = 625.920162
The maximum resident set size (KB)     = 819868
```

Test thr control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:30m:48s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

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

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

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

```
+ docker rmi -f 1851ef0cc2bf
```

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

```
Deleted: sha256:1851ef0cc2bf46bd1b4093b1b71f5251143010046be6c3ec64348a38cf9116a1
```

```
Deleted: sha256:b3b9531aa444b385fb815f8cb2d2f51b4a35e6228d7e6ccfeac4a45804f1dc2b
```

```
Deleted: sha256:690d5fe2b314abc0bb60680ce4fe8d8d10c2e2e4d91185daec55d9e51fac5c6b
```

```
Deleted: sha256:6c11dd05e9f75f3671b609116c40de9047ad23a3ed3b108bde3c33aad914e49f
```

```
Deleted: sha256:56aa1ac20f63b49fefaf7c43cf657b68930e85c73d7ffb5fc7800554302305f31
```

```
Deleted: sha256:36103ea5a8d0d03eeb0282ab1edf73bc2ec23d537e7280807290e75c01ca8635
```

```
Deleted: sha256:57c5283501800e595a3b12fa472ea6d2ac74b3a0ab3cc685c28399cdf09356eb
```

```
Deleted: sha256:bf15422d56bb5bc42373e435409b32df7d8da4435f7806bd2032170a037651ff
```

```
Deleted: sha256:7e48e2e119d152fa734abbeb270a7a9a8742409711040887967afebdfa0c0dd0
```

```
Deleted: sha256:a2477df5c2259c43751d9236be82143fff81876e760f0ff3a882661da3e8347cb
```

```
Deleted: sha256:fd2cb434fa98f105e8a2c924a680b471ef88c8721cdfccace26baaaa077eb34a
```

```
Deleted: sha256:3dabace8fe19519d3a88aed94b5718300793a23077ae15b93b8fa10af01e454c
```

```
Deleted: sha256:0dd7d91e0c650d4945e90ea501a65bfac4ae50930bcfcfb7ea0f881502948658
```

```
Deleted: sha256:88378ccad5889dab1436e9afba535423acd143c8fd3ee59a2ef63c64ff053362
```

```
Deleted: sha256:06d3409ae76ff1816af3c96ac0f672690861241d4bc711f589c896da2977267f
```

```
Deleted: sha256:a22f054d1fed2f68b1e37cd654913f9e77f58557fd47866894ba07708c9aca2c
++ 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:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
```

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

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_dbg_base
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_dbg_
base
Checking test dbg_base cpld_control_nowave_noaero_p8 results ....
Moving baseline dbg_base cpld_control_nowave_noaero_p8 files ....
Moving sfcf003.tile1.nc .....OK
Moving sfcf003.tile2.nc .....OK
Moving sfcf003.tile3.nc .....OK
Moving sfcf003.tile4.nc .....OK
Moving sfcf003.tile5.nc .....OK
Moving sfcf003.tile6.nc .....OK
```

```
Moving atmf003.tile1.nc .....OK
Moving atmf003.tile2.nc .....OK
Moving atmf003.tile3.nc .....OK
Moving atmf003.tile4.nc .....OK

Moving atmf003.tile5.nc .....OK
Moving atmf003.tile6.nc .....OK
Moving RESTART/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK
Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
Moving RESTART/MOM.res.nc .....OK
Moving RESTART/iced.2021-03-22-32400.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-22-32400.nc .....OK
```

The total amount of wall time = 2156.259397

The maximum resident set size (KB) = 1914876

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

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:37m:39s. Have a nice day!

opnReqTest finished

```
'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
[Pipeline] }
[Pipeline] // stage
Post stage
[Pipeline] sh
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
'dbg'] ++ docker image ls
++ grep -E -m1 ci-test-weather
++ awk '{ print $3 }'
+ docker rmi -f 4a9fba875f44
'dcp'] PROCESS SURFCE done
'dbg'] Untagged: ci-test-weather:latest
Deleted: sha256:4a9fba875f442c03ea177b5a27793a1d90507de2bd02f1cbcb14073e13eb4aa0
Deleted: sha256:5cf4c6badffaaa00160ef98d95c02796fc15df65835cb56103a5c42f7757e6a3
Deleted: sha256:98bbebe700134241709331e8509b7d969d0ed6fcf149fda43cf9f4264c3dfe68
Deleted: sha256:1badece962578aea428f7c64105e53f02510bae53c86642aa8f842dd66fae175
Deleted: sha256:60c67a7a884cc2ba5c56f74ce6d2f5f9bafcb911b0e4409eda74ae633e5ecdd5
Deleted: sha256:906ca7c13661d3957fbf6f724c5052c5f11e4d28915424388189858d5d10e033
Deleted: sha256:193e130e43f5bcded92bd5d74de2f983a2e4cb4ecac24a7f356ad33c553fbc23e
```



```

Deleted: sha256:ebce0c8ddee6a3f8b58947ff688537e8b3adddcebdc1c1ef4d32a610a14e75f3
Deleted: sha256:40e4847dead6c7a41f6f18cdd753270448e7c9c7d50bd1c8069adaa4e85ab8b
Deleted: sha256:cbfef96e913e23df9400aae731e3cf8b4229883a69d91035dd0bea0f46e7a873
Deleted: sha256:287efe1148d5d9ac862ebe37f1bb775bc9f39145a3962466df375116984a06e2

Deleted: sha256:02a6e66d19154c23cf08d40f48bb698050f9b6795c7ae98b3f33c703a62bc808
Deleted: sha256:444a76de71464274b9a5cf8a1d2d5544abf487c9baf645a09f7685a9a3d751db
Deleted: sha256:5c2dda43eadd572506e4cce28239c4ac39ae62af63f5f7ea0460ec2dfaddc687
Deleted: sha256:e36e8b0060c0d0d982ba19333390ec5e5fdb40240cb43b96d16b308c69692976
Deleted: sha256:46f0b1122f69d7ad4849baf3b7d434e75c20a12fa5b02740760a526ba4866f1c
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 77e33c658486
'dcp'] PROCESS CLDRAD done
        PROCESS MISCLN done
        PROCESS MDL2STD_P done
        PROCESS FIXED done
        MDL2THANDPV starts
'dbg'] 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:cddb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
'dcp'] MDL2THANDPV ends
        PROCESS MDL2THANDPV done
        PROCESS CALRAD_WCLOUD done
        PROCESS done
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
'dcp'] 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
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'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 lvlxml: 154500

size of post\_avblflds param 112

in readxml. nfld= 112 nrecout= 121

PROCESS starts

PROCESS MDLFLD done

PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

PROCESS CLDRAD done

PROCESS MISCLN done

PROCESS MDL2STD\_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD\_WCLOUD done

PROCESS done

cat: '/home/builder/ufs-weather-model/tests/log\_opnReqTest\_linux.gnu/compile\_\*\_time.log':

No such file or directory

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

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

Checking test dcp control results ....

Comparing sfcf000.nc .....OK

Comparing sfcf021.nc .....OK

Comparing sfcf024.nc .....OK

Comparing atmf000.nc .....OK

Comparing atmf021.nc .....OK

Comparing atmf024.nc .....OK

```
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK

Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/coupler.res .....OK
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
Comparing RESTART/fv_core.res.tile1.nc .....OK
Comparing RESTART/fv_core.res.tile2.nc .....OK
Comparing RESTART/fv_core.res.tile3.nc .....OK
Comparing RESTART/fv_core.res.tile4.nc .....OK
Comparing RESTART/fv_core.res.tile5.nc .....OK
Comparing RESTART/fv_core.res.tile6.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/fv_tracer.res.tile1.nc .....OK
Comparing RESTART/fv_tracer.res.tile2.nc .....OK
Comparing RESTART/fv_tracer.res.tile3.nc .....OK
Comparing RESTART/fv_tracer.res.tile4.nc .....OK
Comparing RESTART/fv_tracer.res.tile5.nc .....OK
Comparing RESTART/fv_tracer.res.tile6.nc .....OK
Comparing RESTART/phy_data.tile1.nc .....OK
Comparing RESTART/phy_data.tile2.nc .....OK
Comparing RESTART/phy_data.tile3.nc .....OK
Comparing RESTART/phy_data.tile4.nc .....OK
Comparing RESTART/phy_data.tile5.nc .....OK
Comparing RESTART/phy_data.tile6.nc .....OK
Comparing RESTART/sfc_data.tile1.nc .....OK
Comparing RESTART/sfc_data.tile2.nc .....OK
Comparing RESTART/sfc_data.tile3.nc .....OK
Comparing RESTART/sfc_data.tile4.nc .....OK
Comparing RESTART/sfc_data.tile5.nc .....OK
Comparing RESTART/sfc_data.tile6.nc .....OK
```

The total amount of wall time = 1043.281503

The maximum resident set size (KB) = 612816

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           = 1060.741089
The maximum resident set size (KB)     = 619564
```

```
Test std_base control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:37m:59s. 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 bf41f45a6208
```

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

```
Deleted: sha256:bf41f45a6208c9cbcfc459981ea55e0277f245a34ba3691bf89de7e3e486b1c4
```

```
Deleted: sha256:e993a12fb5fce58b8161d621ced4b3bae51086d22fdfdcd5e78f88ed411d514f
```

```
Deleted: sha256:ad651d8003d439489d550e8e7a026a25391cbde0c5461788da4980d3794fb0fd
```

```
Deleted: sha256:b38a6a6fd7edee00d9a20bca3ec6311134bfa2785371bb1a7e1dce6b8e99dcb2
```

```
Deleted: sha256:9a5cba3629fefab31b6a45c67f85a752fe2e9f0c780b7d2d47679c13ad8b79de
```

```
Deleted: sha256:83de559d4bc24499ee35193fceb66fa835fea7a945582424fb4ce194b399d55f
```

```
Deleted: sha256:924c781b3c80ad1fd2e843b108be316acdfcd9aec7e3d3f1edd0cf7947980082
```

```
Deleted: sha256:81272f4cfd50dab5729b79a5f1da2a78bf8a1aff32f2d0bad710041bdbc397df
```

```
Deleted: sha256:dfdd70e7879507c7de080bd1b403f97a63b665028191429ffc9442a3ffd6b81e
```

```
Deleted: sha256:5f8281a640e8a793b64e6c4b0780bab6443c380677bf9e31eb3b80938d635c7b
```

```
Deleted: sha256:6cd8c617ae8715786ce127860fa5f5bbbe3b28f76ed56bb9cb40954505e0bc53
```

```
Deleted: sha256:77b59cff03a89e61b4ba63cd31a176ece48b569d232e6fdbec3f243c9f2ecd47
```

```
Deleted: sha256:aaae95fc568bd2d415b5034ab11ff9f701b71a6969ff32ace5fae7788d8c9b26
```

```
Deleted: sha256:fd5fd6712f45f847a387631312f2f80a55171f4547d442ba834c089b2d65f3b5
```

```
Deleted: sha256:1c9eca41b7c3cb540ebb2b412f7b98ba42984551801a17ac711762157f291e35
```

```
Deleted: sha256:b62878f112f1cdb712a987e7e7edcf6134a6c5694ac66b6ddb0388085034f38c
```

```
++ docker image ls
```

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

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

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

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

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

stack@sha256:131705b2c981313286786f2cd4202a617b431848a9f46ce4b3d7df953b3cb087

Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a

Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb

Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d

Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'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
'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
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
```

```
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           = 1530.607421
The maximum resident set size (KB)      = 708196
```

```
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           = 1132.146915
The maximum resident set size (KB)     = 612204
```

```
Test std_base control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:47m:21s. 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 fbc1e12d71da
```

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

```
Deleted: sha256:fbc1e12d71da308754f0cd1dae33a9add05f3b40fe817d55f0042432c11b135d
```

```
Deleted: sha256:a4ce1da814f2beaa909d762c46732bd3efbdc4938e17a99f5a9a23af4d0481c6
```

```
Deleted: sha256:067bc14b195b9571c48a1426fe7865faa9464c9347928a3fae3761a4ef0f8e22
```

```
Deleted: sha256:d39d5df00b9f75c427055e78695eeef2d84552b7d443b1037c1d738ee03899bf
```

```
Deleted: sha256:5366681ee222100eca12ff3418983324df6b1eb258e95454c790054b3e3b429c
```

```
Deleted: sha256:966598e274113688de59c267fe31e24c41de3c5933d8a58bc6ea7d73c02d13ae
```

```
Deleted: sha256:0b349d8c39801ec85585b7867427068ef8f7eca47d1685f8e8bca7bf46d5e13d
```

```
Deleted: sha256:b2da0a3ba2bf03a290edd631f5ccf3f68dafef28cae463b9082a84f920ceed61
```

```
Deleted: sha256:965a49f6f328717ff0071c71ec2dbfedcd2599fcb56e2c3db26f1a4adf6ef1ed
```

```
Deleted: sha256:a2a5f49c7782038b5bdbbc9c34355f46345630840962815a49bd9ef6aa1bc4e
```

```
Deleted: sha256:bdb86e128b2d803894b9f9b566d9bf3bbc0efba13fca1e54871ed409ad414970
```

```
Deleted: sha256:89f79a929b015ba14e882b28527e14a5dc6daf3a4f9448fe4d064ac7a6d16d03
```

```
Deleted: sha256:b2d7fa16e254326e88feee0c4fe8cea44040be5b8a27fd9a0cf27d9e3ed4dce3
```

```
Deleted: sha256:2af0ba3e0d85db3b00d52c75365a93cebe6423def1e90bb0b0c58d016c826aad
```

```
Deleted: sha256:b4fceedf89c047385b07fcce79d029726524c3272a63f162bee0a368025bab6a
```

```
Deleted: sha256:f2f3bbbab2bfc32ec494329859c5fafea498df2a46bef9be9cb8620abf13ae06
```

```
++ 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:f96fc6a024c1a9e4daa12711d47d0d0385de4652c18b0c291faa8803c8f7fb
```

```
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
```

Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982  
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e  
Deleted: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c  
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63  
  
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5  
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2  
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741  
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

```
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
```

```
'thr'] reset of fraction_interval w      6  64800.0000
reset of fraction_interval w      6  64800.0000
reset of fraction_interval u      6  64800.0000
reset of fraction_interval u      6  64800.0000
reset of fraction_interval v      6  64800.0000
reset of fraction_interval v      6  64800.0000
reset of fraction_interval w      6  86400.0000
reset of fraction_interval w      6  86400.0000
reset of fraction_interval u      6  86400.0000
reset of fraction_interval u      6  86400.0000
reset of fraction_interval v      6  86400.0000
reset of fraction_interval v      6  86400.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      258
sum num_post_afld :      477
in readxml, aft read flat file.xml,num_post_afld=      258
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      258
datset is: PRSLEV
MXFLD is:      1200
size of 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_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 = 673.671002
```

```
The maximum resident set size (KB) = 631532
```

```
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           = 3209.641700
The maximum resident set size (KB)      = 720424
```

```
Test thr regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 01h:07m:40s. 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 8407480e3bf5
```

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

```
Deleted: sha256:8407480e3bf54da3162f8f2b23a6cc12c4ca55aa23f9c3f1cc0f512da631eaf9
```

```
Deleted: sha256:1737e95518c0eea83172956e22c2a154cc65ccb050ad24bb757f7cce40a0e7c8
```

```
Deleted: sha256:13a84b493993601bd3cfff140cec752d7cefc6b9673dc97efa794171c18a63a49
```

```
Deleted: sha256:78cd5dc6a365056374a4d9dd7d6da4419968d58b2328a947ca8084a492115f29
```

```
Deleted: sha256:d921d495ab0e06a543226665d10bb55984683fd63f1b0ad85c1e17864a5a10cb
```

```
Deleted: sha256:0832cad9c603e6ea896500cb649a62e70e3e58df828bc5be351016c8c888f7bc
```

```
Deleted: sha256:9314f913076fe665581bfd356ef314b0c2704bf7485e4593734afb686aa170cd
```

```
Deleted: sha256:ae5940beb6b3bab1a323bfa3599a261a007136908bc2d8aea5993a4e29e17ce5
```

```
Deleted: sha256:1d9bc62d97b4979fc7a835b1d90e5805296aa8dfccf4c6b28850cd9045b20809
```

```
Deleted: sha256:039f5d94738bf283227e1e51c8cddf77fd1f90cd79e9c03fca58366020c1ee07
```

```
Deleted: sha256:ef885cfc388bb1ede15c50b4de80a4c77e446c2f0d51144a123cb169a06c6eed
```

```
Deleted: sha256:6a647f342073a4a4fb93d22e4f0af296a86cdc9de80a5fdd84c2ad75c586ec3e
```

```
Deleted: sha256:a0d6b736d739ce7e6dc4ecdd2213c4390eca9693dfdf1e96b0ee61e1aa79c7
```

```
Deleted: sha256:8c3166b4c45d1554d26169b7df6c036771f4fc731174457308e382964592884e
```

```
Deleted: sha256:76d8f570f4d884ddf8a5f015cff4e5c530e4238a222a7b245856f564be81185c
```

```
Deleted: sha256:e2794914c45853bfb78acc5da7a477f230408a58478286985a48fdafca26470f
```

```
++ docker image ls
```

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

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

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

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

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

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

```
Deleted: sha256:77e33c658486c8411f6e924cf3bfd682b9401304932bf1bcd6d87c02c483d97a
Deleted: sha256:f96fc6a024c1a9e4daa12711d47ddd0d0385de4652c18b0c291faa8803c8f7fb
Deleted: sha256:aaa858b29889ffe9c15b020a3b526119aee9dc2164688fc8c7372f7603602d5d
Deleted: sha256:e8f3540984f21420fcacba24f61f477372ce8157eab567d3ee27caa22498f982

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // parallel
[Pipeline] }
[Pipeline] // stage
[Pipeline] End of Pipeline
```

GitHub has been notified of this commit's build result

Finished: SUCCESS