



[Dashboard](#)

[ufs-weather-model](#)

[ort-docker-pipeline](#)

[Pull Requests \(6\)](#)


[PR-1604](#)

[#1](#)


 [Status](#)

 [Changes](#)

 [Console Output](#)

 [View as plain text](#)

 [Edit Build Information](#)

 [Git Build Data](#)

 [Open Blue Ocean](#)

 [Restart from Stage](#)

 [Rebuild](#)

 [Pipeline Steps](#)

 [Workspaces](#)

Console Output

Branch indexing

20:20:49 Connecting to <https://api.github.com> using epic-cicd-jenkins/***** (GitHub account for Jenkins)

Obtained tests/ci/Jenkinsfile from 03ff3640c1d9335766d636023762da0a2fd59208+23a4116802374387437a49de785ad50038112f85
(96974b0d3a7a5d184d9e3f1246cf0306938f8e67)

[Pipeline] Start of Pipeline

[Pipeline] stage

[Pipeline] { (ORT)

[Pipeline] parallel

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'thr')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'regional_control', TEST_CASE = 'thr')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'mpi')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'dcp')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'regional_control', TEST_CASE = 'dcp')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'rst')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'cp1d_control_nowave_noaero_p8', TEST_CASE = 'rst')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'bit')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'dbg')

[Pipeline] { (Branch: Matrix - TEST_NAME = 'cp1d_control_nowave_noaero_p8', TEST_CASE = 'dbg')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'thr')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'regional_control', TEST_CASE = 'thr')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'mpi')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'dcp')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'regional_control', TEST_CASE = 'dcp')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'rst')

[Pipeline] stage

[Pipeline] { (Matrix - TEST_NAME = 'cp1d_control_nowave_noaero_p8', TEST_CASE = 'rst')


```
[Pipeline] node
[Pipeline] node
[Pipeline] node
'thr'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'thr'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'mpi'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'dcp'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'dcp'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'rst'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'rst'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'bit'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'dbg'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'dbg'] Still waiting to schedule task
All nodes of label 'docker-ufs-wm-ci' are offline
'thr'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-08f3395c3181c188f) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
'thr'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-01ea32ae49c25da98) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
```

```
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
[Pipeline] cleanWs
'thr'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'thr'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'thr'] [WS-CLEANUP] done
[Pipeline] checkout
'thr'] [WS-CLEANUP] done
'thr'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
[Pipeline] checkout
'thr'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'mpi'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0ac78af8f21ef4343) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'mpi'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] checkout
'mpi'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'dcp'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-033e72fe95c9efb52) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
'dcp'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0c42bbef41a97024a) in /home/maintuser/workspace/odel_ort-
```

```
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
[Pipeline] cleanWs
'dcp'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'dcp'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'dcp'] [WS-CLEANUP] done
[Pipeline] checkout
'dcp'] [WS-CLEANUP] done
'dcp'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'rst'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-08c603c6a4e8c5516) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] checkout
'dcp'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'rst'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
```

```
[Pipeline] checkout
'rst'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'thr'] using credential GitHubJenkins
'thr'] using credential GitHubJenkins
'thr'] Cloning the remote Git repository
      Cloning with configured refspecs honoured and without tags
'thr'] Cloning the remote Git repository
      Cloning with configured refspecs honoured and without tags
'thr'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
      Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git --version # timeout=10
      > git --version # 'git version 2.38.0'
      using GIT_ASKPASS to set credentials GitHub account for Jenkins
      > /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
      +refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'thr'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
      Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git --version # timeout=10
      > git --version # 'git version 2.38.0'
      using GIT_ASKPASS to set credentials GitHub account for Jenkins
      > /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
      +refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'mpi'] using credential GitHubJenkins
      Cloning the remote Git repository
      Cloning with configured refspecs honoured and without tags
      Cloning repository https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
      Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
      > /usr/local/git-2.38.0/bin/git --version # timeout=10
      > git --version # 'git version 2.38.0'
      using GIT_ASKPASS to set credentials GitHub account for Jenkins
```

```
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'rst'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-029cd84e3c77c6437) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'rst'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] checkout
'rst'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'thr'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'bit'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0ca9d4bb2d57f3f79) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'bit'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'thr'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
```



```
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'bit'] [WS-CLEANUP] done
[Pipeline] checkout
'bit'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'mpi'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'thr'] Fetching without tags
'thr'] Fetching without tags
'dcp'] using credential GitHubJenkins
'thr'] Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
'dcp'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'thr'] Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
'thr'] Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'thr'] Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'rst'] using credential GitHubJenkins
'dcp'] using credential GitHubJenkins
'rst'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'dcp'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'mpi'] Fetching without tags
'thr'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
```

```
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'rst'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
'mpi'] Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
```

```
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'dcp'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'thr'] Commit message: "Synced and updated FV3/physics"
First time build. Skipping changelog.
'dcp'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'thr'] Commit message: "Synced and updated FV3/physics"
'rst'] Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'mpi'] Commit message: "Synced and updated FV3/physics"
'thr'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(.+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
```

'dbg'] Running on [EC2 \(NOAA Cloud\) - EPIC CentOS 7 Docker UFS WM CI \(i-09bcdc1b82e8fc886\)](#) in /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604

```
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
```

```
'dcp'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
```

```
[Pipeline] cleanWs
```

```
'mpi'] > /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dbg' [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'dcp' > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'dbg' [WS-CLEANUP] done
[Pipeline] checkout
'dbg' The recommended git tool is: /usr/local/git-2.38.0/bin/git
'dbg' Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-06181253cbcf568ab) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1604
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
'rst' > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
[Pipeline] stage
```

```
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'dcp'] Fetching without tags
'dbg'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
'dcp'] Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
[Pipeline] checkout
'dbg'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'dcp'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'dcp'] Fetching without tags
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
'rst'] Fetching without tags
Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
```



```
03ff3640c1d9335766d636023762da0a2fd59208
'dcp'] Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'rst'] Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'dcp'] Commit message: "Synced and updated FV3/physics"
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
```

```
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
```

Commit message: "Synced and updated FV3/physics"

'rst'] using credential GitHubJenkins

Cloning the remote Git repository

Cloning with configured refspecs honoured and without tags

'rst'] Commit message: "Synced and updated FV3/physics"

```
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
```

'rst'] Cloning repository <https://github.com/ufs-community/ufs-weather-model.git>

```
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
```

Fetching upstream changes from <https://github.com/ufs-community/ufs-weather-model.git>

```
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
```

using GIT_ASKPASS to set credentials GitHub account for Jenkins

```
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
```

'dcp'] > /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10

```
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
```

'bit'] using credential GitHubJenkins

Cloning the remote Git repository

Cloning with configured refspecs honoured and without tags

```
'rst'] > /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'bit'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'rst'] Fetching without tags
Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
```

```
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] using credential GitHubJenkins
Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'bit'] Fetching without tags
Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
'rst'] Commit message: "Synced and updated FV3/physics"
'bit'] Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'dbg'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'dbg'] using credential GitHubJenkins
'rst'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
```

'dbg'] Cloning the remote Git repository

Cloning with configured refspecs honoured and without tags

'bit'] > /usr/local/git-2.38.0/bin/git config remote.origin.url <https://github.com/ufs-community/ufs-weather-model.git> # timeout=10

```
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604 # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'bit'] Commit message: "Synced and updated FV3/physics"
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
```



```
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
'dbg'] Fetching without tags
Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
```

```
03ff3640c1d9335766d636023762da0a2fd59208
```

```
Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
```

```
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
```

```
'dbg'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/pull/1604/head:refs/remotes/origin/PR-1604 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
'dbg'] Commit message: "Synced and updated FV3/physics"
'dbg'] Fetching without tags
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'dbg'] Merging remotes/origin/develop commit 23a4116802374387437a49de785ad50038112f85 into PR head commit
03ff3640c1d9335766d636023762da0a2fd59208
```

```
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-community/ufs-weather-model.git # timeout=10
Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git fetch --no-tags --force --progress -- https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1604/head:refs/remotes/origin/PR-1604 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
Merge succeeded, producing 03ff3640c1d9335766d636023762da0a2fd59208
Checking out Revision 03ff3640c1d9335766d636023762da0a2fd59208 (PR-1604)
'dbg'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] Commit message: "Synced and updated FV3/physics"
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge 23a4116802374387437a49de785ad50038112f85 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f 03ff3640c1d9335766d636023762da0a2fd59208 # timeout=10
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.(+)\.url # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'thr'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
[Pipeline] }
```

```
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
'thr'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
[Pipeline] sh
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'thr'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
```

```
[Pipeline] sh
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
      > git --version # 'git version 2.38.0'
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] }
'mpi'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
      /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
      /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'dcp'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
      /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
      /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
      > git --version # 'git version 2.38.0'
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] }
```



```
'rst'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # timeout=10
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'dcp'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
'rst'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'rst'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6 # timeout=10
'rst'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
```

```
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'bit'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
> /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'dbg'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
```

```
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10  
'thr'] Sending build context to Docker daemon 159.2MB  
  
Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2  
v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack  
345e3491a907: Pulling fs layer  
57671312ef6f: Pulling fs layer  
5e9250ddb7d0: Pulling fs layer  
c46471bef5ab: Pulling fs layer  
b327d3abd2a7: Pulling fs layer  
109d28d95157: Pulling fs layer  
7ceaea8da3ed: Pulling fs layer  
9fe62363807c: Pulling fs layer  
a6d2877f8486: Pulling fs layer  
112c159de4df: Pulling fs layer  
c46471bef5ab: Waiting  
b327d3abd2a7: Waiting  
109d28d95157: Waiting  
9fe62363807c: Waiting  
7ceaea8da3ed: Waiting  
a6d2877f8486: Waiting  
112c159de4df: Waiting  
57671312ef6f: Verifying Checksum  
57671312ef6f: Download complete  
5e9250ddb7d0: Verifying Checksum  
5e9250ddb7d0: Download complete  
345e3491a907: Download complete  
109d28d95157: Verifying Checksum  
109d28d95157: Download complete  
7ceaea8da3ed: Verifying Checksum  
7ceaea8da3ed: Download complete  
'thr'] Sending build context to Docker daemon 159.2MB
```

Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

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

345e3491a907: Pulling fs layer

57671312ef6f: Pulling fs layer

5e9250ddb7d0: Pulling fs layer

c46471bef5ab: Pulling fs layer

b327d3abd2a7: Pulling fs layer

109d28d95157: Pulling fs layer

7ceaea8da3ed: Pulling fs layer

9fe62363807c: Pulling fs layer

a6d2877f8486: Pulling fs layer

112c159de4df: Pulling fs layer

109d28d95157: Waiting

a6d2877f8486: Waiting

112c159de4df: Waiting

9fe62363807c: Waiting

7ceaea8da3ed: Waiting

c46471bef5ab: Waiting

b327d3abd2a7: Waiting

57671312ef6f: Verifying Checksum

5e9250ddb7d0: Verifying Checksum

5e9250ddb7d0: Download complete

345e3491a907: Verifying Checksum

345e3491a907: Download complete

109d28d95157: Verifying Checksum

109d28d95157: Download complete

b327d3abd2a7: Verifying Checksum

b327d3abd2a7: Download complete

7ceaea8da3ed: Verifying Checksum

7ceaea8da3ed: Download complete

9fe62363807c: Verifying Checksum

9fe62363807c: Download complete

112c159de4df: Verifying Checksum

```
345e3491a907: Pull complete
57671312ef6f: Pull complete
'thr'] 9fe62363807c: Verifying Checksum
9fe62363807c: Download complete
'thr'] 5e9250ddb7d0: Pull complete
'thr'] b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
112c159de4df: Download complete
'mpi'] Sending build context to Docker daemon 159.2MB
```

Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

```
'thr'] 345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
'mpi'] v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
c46471bef5ab: Waiting
b327d3abd2a7: Waiting
9fe62363807c: Waiting
7ceaea8da3ed: Waiting
109d28d95157: Waiting
57671312ef6f: Download complete
5e9250ddb7d0: Download complete
'thr'] c46471bef5ab: Verifying Checksum
```

```
c46471bef5ab: Download complete
'dcp'] Sending build context to Docker daemon 159.2MB

'mpi'] 345e3491a907: Verifying Checksum
      345e3491a907: Download complete
'dcp'] Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
'mpi'] 109d28d95157: Verifying Checksum
      109d28d95157: Download complete
'dcp'] v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
      345e3491a907: Pulling fs layer
      57671312ef6f: Pulling fs layer
      5e9250ddb7d0: Pulling fs layer
      c46471bef5ab: Pulling fs layer
      b327d3abd2a7: Pulling fs layer
      109d28d95157: Pulling fs layer
      7ceaea8da3ed: Pulling fs layer
      9fe62363807c: Pulling fs layer
      a6d2877f8486: Pulling fs layer
      112c159de4df: Pulling fs layer
      7ceaea8da3ed: Waiting
      9fe62363807c: Waiting
      a6d2877f8486: Waiting
      c46471bef5ab: Waiting
      112c159de4df: Waiting
      b327d3abd2a7: Waiting
      109d28d95157: Waiting
'mpi'] b327d3abd2a7: Verifying Checksum
      b327d3abd2a7: Download complete
'thr'] c46471bef5ab: Verifying Checksum
      c46471bef5ab: Download complete
'mpi'] 9fe62363807c: Download complete
      345e3491a907: Pull complete
'dcp'] 5e9250ddb7d0: Verifying Checksum
```

```
5e9250ddb7d0: Download complete
57671312ef6f: Verifying Checksum
57671312ef6f: Download complete
'dbg'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'mpi'] 7ceaea8da3ed: Verifying Checksum
7ceaea8da3ed: Download complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'dcp'] b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
'mpi'] 112c159de4df: Verifying Checksum
112c159de4df: Download complete
'dbg'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace345e3491a907: Download complete
'dbg'] 7ceaea8da3ed: Verifyi/odel_ort-docker-pipeline_PR-1604/tests/ci/Dockerfile --tag ci-test-wng Checksum
7ceaea8da3ed: Download complete
'dbg'] eather /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1604
'rst'] Sending build context to Docker daemon 159.2MB

Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
'dcp'] 9fe62363807c: Verifying Checksum
9fe62363807c: Download complete
'mpi'] c46471bef5ab: Verifying Checksum
c46471bef5ab: Download complete
'dcp'] 109d28d95157: Verifying Checksum
109d28d95157: Download complete
112c159de4df: Verifying Checksum
```

```
112c159de4df: Download complete
345e3491a907: Pull complete
57671312ef6f: Pull complete
'thr'] c46471bef5ab: Pull complete
'rst'] v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
109d28d95157: Waiting
a6d2877f8486: Waiting
112c159de4df: Waiting
7ceaea8da3ed: Waiting
9fe62363807c: Waiting
c46471bef5ab: Waiting
b327d3abd2a7: Waiting
'dcp'] 5e9250ddb7d0: Pull complete
'rst'] 57671312ef6f: Verifying Checksum
57671312ef6f: Download complete
'thr'] c46471bef5ab: Pull complete
'thr'] b327d3abd2a7: Pull complete
109d28d95157: Pull complete
7ceaea8da3ed: Pull complete
'rst'] 5e9250ddb7d0: Download complete
345e3491a907: Verifying Checksum
345e3491a907: Download complete
'thr'] 9fe62363807c: Pull complete
```


'rst'] 109d28d95157: Download complete

'dcp'] Sending build context to Docker daemon 159.2MB

Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2

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

345e3491a907: Pulling fs layer

57671312ef6f: Pulling fs layer

5e9250ddb7d0: Pulling fs layer

c46471bef5ab: Pulling fs layer

b327d3abd2a7: Pulling fs layer

109d28d95157: Pulling fs layer

7ceaea8da3ed: Pulling fs layer

9fe62363807c: Pulling fs layer

a6d2877f8486: Pulling fs layer

112c159de4df: Pulling fs layer

b327d3abd2a7: Waiting

109d28d95157: Waiting

7ceaea8da3ed: Waiting

9fe62363807c: Waiting

a6d2877f8486: Waiting

112c159de4df: Waiting

c46471bef5ab: Waiting

57671312ef6f: Verifying Checksum

57671312ef6f: Download complete

'thr'] b327d3abd2a7: Pull complete

109d28d95157: Pull complete

'dcp'] c46471bef5ab: Verifying Checksum

c46471bef5ab: Download complete

'dcp'] 5e9250ddb7d0: Verifying Checksum

5e9250ddb7d0: Download complete

'thr'] 7ceaea8da3ed: Pull complete

9fe62363807c: Pull complete

'rst'] 345e3491a907: Pull complete

```
7ceaea8da3ed: Verifying Checksum
7ceaea8da3ed: Download complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
9fe62363807c: Verifying Checksum
9fe62363807c: Download complete
'dcp'] 345e3491a907: Verifying Checksum
345e3491a907: Download complete
109d28d95157: Download complete
'rst'] b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
'mpi'] c46471bef5ab: Pull complete
'rst'] 112c159de4df: Download complete
'rst'] Sending build context to Docker daemon 159.2MB
```

```
Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
7ceaea8da3ed: Waiting
9fe62363807c: Waiting
a6d2877f8486: Waiting
b327d3abd2a7: Waiting
112c159de4df: Waiting
109d28d95157: Waiting
```

```
c46471bef5ab: Waiting
57671312ef6f: Verifying Checksum
57671312ef6f: Download complete
5e9250ddb7d0: Download complete
'dcp'] 345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
'rst'] 345e3491a907: Verifying Checksum
345e3491a907: Download complete
'mpi'] b327d3abd2a7: Pull complete
109d28d95157: Pull complete
7ceaea8da3ed: Pull complete
'rst'] 109d28d95157: Verifying Checksum
109d28d95157: Download complete
7ceaea8da3ed: Download complete
'dcp'] 7ceaea8da3ed: Verifying Checksum
7ceaea8da3ed: Download complete
'mpi'] 9fe62363807c: Pull complete
'dcp'] 9fe62363807c: Download complete
'rst'] 345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
'dcp'] b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
'bit'] Sending build context to Docker daemon 159.2MB
```

```
Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
```

```
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
9fe62363807c: Waiting
c46471bef5ab: Waiting
b327d3abd2a7: Waiting
a6d2877f8486: Waiting
7ceaea8da3ed: Waiting
109d28d95157: Waiting
112c159de4df: Waiting
5e9250ddb7d0: Verifying Checksum
5e9250ddb7d0: Download complete
'dcp'] 112c159de4df: Verifying Checksum
112c159de4df: Download complete
'bit'] 57671312ef6f: Download complete
'dcp'] c46471bef5ab: Pull complete
'bit'] 345e3491a907: Verifying Checksum
345e3491a907: Download complete
345e3491a907: Pull complete
'dbg'] Sending build context to Docker daemon 159.2MB
```

```
Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
```

```
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
b327d3abd2a7: Waiting
c46471bef5ab: Waiting
109d28d95157: Waiting
a6d2877f8486: Waiting
112c159de4df: Waiting
5e9250ddb7d0: Verifying Checksum
5e9250ddb7d0: Download complete
57671312ef6f: Verifying Checksum
57671312ef6f: Download complete
'dcp'] b327d3abd2a7: Pull complete
109d28d95157: Pull complete
7ceaea8da3ed: Pull complete
9fe62363807c: Pull complete
'rst'] c46471bef5ab: Verifying Checksum
c46471bef5ab: Download complete
112c159de4df: Verifying Checksum
'bit'] 112c159de4df: Download complete109d28d95157: Verifying Checksum
'rst'] 109d28d95157: Download complete
'bit'] lete
57671312ef6f: Pull complete
7ceaea8da3ed: Verifying Checksum
7ceaea8da3ed: Download complete
9fe62363807c: Verifying Checksum
9fe62363807c: Download complete
5e9250ddb7d0: Pull complete
'thr'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'thr'] a6d2877f8486: Download complete
'rst'] b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
c46471bef5ab: Pull complete
```

```
'dbg'] b327d3abd2a7: Verifying Checksum
      b327d3abd2a7: Download complete
      109d28d95157: Verifying Checksum
      109d28d95157: Download complete
      7ceaea8da3ed: Verifying Checksum
      7ceaea8da3ed: Download complete
      9fe62363807c: Verifying Checksum
      9fe62363807c: Download complete
      345e3491a907: Verifying Checksum
      345e3491a907: Download complete
'rst'] b327d3abd2a7: Pull complete
      109d28d95157: Pull complete
'dbg'] 112c159de4df: Verifying Checksum
      112c159de4df: Download complete
'rst'] 7ceaea8da3ed: Pull complete
      9fe62363807c: Pull complete
'dbg'] 345e3491a907: Pull complete
      57671312ef6f: Pull complete
      5e9250ddb7d0: Pull complete
'bit'] b327d3abd2a7: Verifying Checksum
      b327d3abd2a7: Download complete
      112c159de4df: Verifying Checksum
      112c159de4df: Download complete
      c46471bef5ab: Verifying Checksum
      c46471bef5ab: Download complete
'dbg'] c46471bef5ab: Verifying Checksum
      c46471bef5ab: Download complete
'dbg'] Sending build context to Docker daemon 159.2MB
```

```
Step 1/16 : From noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
v1.2: Pulling from noaaepic/ubuntu20.04-gnu9.3-hpc-stack
345e3491a907: Pulling fs layer
57671312ef6f: Pulling fs layer
```

```
5e9250ddb7d0: Pulling fs layer
c46471bef5ab: Pulling fs layer
b327d3abd2a7: Pulling fs layer
109d28d95157: Pulling fs layer
7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
9fe62363807c: Waiting
a6d2877f8486: Waiting
7ceaea8da3ed: Waiting
112c159de4df: Waiting
b327d3abd2a7: Waiting
109d28d95157: Waiting
c46471bef5ab: Waiting
5e9250ddb7d0: Verifying Checksum
5e9250ddb7d0: Download complete
57671312ef6f: Verifying Checksum
57671312ef6f: Download complete
345e3491a907: Verifying Checksum
345e3491a907: Download complete
109d28d95157: Verifying Checksum
109d28d95157: Download complete
7ceaea8da3ed: Download complete
9fe62363807c: Download complete
345e3491a907: Pull complete
57671312ef6f: Pull complete
5e9250ddb7d0: Pull complete
b327d3abd2a7: Verifying Checksum
b327d3abd2a7: Download complete
112c159de4df: Verifying Checksum
112c159de4df: Download complete
'bit'] c46471bef5ab: Pull complete
```

```
'dbg'] c46471bef5ab: Pull complete
'bit'] b327d3abd2a7: Pull complete
      109d28d95157: Pull complete
      7ceaea8da3ed: Pull complete
      9fe62363807c: Pull complete
'dbg'] b327d3abd2a7: Pull complete
      109d28d95157: Pull complete
      7ceaea8da3ed: Pull complete
      9fe62363807c: Pull complete
'dbg'] c46471bef5ab: Verifying Checksum
      c46471bef5ab: Download complete
'thr'] a6d2877f8486: Pull complete
      112c159de4df: Pull complete
      Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
      Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
      ---> 1920f81f6556
      Step 2/16 : CMD ["/bin/bash"]
'dbg'] c46471bef5ab: Pull complete
'thr'] a6d2877f8486: Pull complete
      112c159de4df: Pull complete
      Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
      Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
      ---> 1920f81f6556
      Step 2/16 : CMD ["/bin/bash"]
'dbg'] b327d3abd2a7: Pull complete
      109d28d95157: Pull complete
      7ceaea8da3ed: Pull complete
      9fe62363807c: Pull complete
'dcp'] a6d2877f8486: Verifying Checksum
      a6d2877f8486: Download complete
      c46471bef5ab: Verifying Checksum
      c46471bef5ab: Download complete
'dcp'] a6d2877f8486: Verifying Checksum
```



```
a6d2877f8486: Download complete
'rst'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'bit'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'dcp'] c46471bef5ab: Pull complete
b327d3abd2a7: Pull complete
109d28d95157: Pull complete
'rst'] c46471bef5ab: Verifying Checksum
c46471bef5ab: Download complete
a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'dcp'] 7ceaea8da3ed: Pull complete
9fe62363807c: Pull complete
'dbg'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'dbg'] a6d2877f8486: Download complete
'rst'] c46471bef5ab: Pull complete
b327d3abd2a7: Pull complete
109d28d95157: Pull complete
'thr'] ---> Running in ac7af0842ed9
Removing intermediate container ac7af0842ed9
---> 4f3d4aad83a4
Step 3/16 : ENV HOME=/home/builder
---> Running in 1c469152aa43
Removing intermediate container 1c469152aa43
---> 59bb281888dd
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'rst'] 7ceaea8da3ed: Pull complete
9fe62363807c: Pull complete
'thr'] ---> Running in 28fd9824add7
Removing intermediate container 28fd9824add7
---> a791ae48e2
```

```
Step 3/16 : ENV HOME=/home/builder
---> Running in a2aee8a636ad
Removing intermediate container a2aee8a636ad
---> 9b931fbab570
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'mpi'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'dcp'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'bit'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'thr'] ---> 9ed48525c1a5
Step 5/16 : USER builder
---> Running in 2ae93a99b750
Removing intermediate container 2ae93a99b750
---> 7212db088a1f
Step 6/16 : ENV USER=builder
---> Running in 636543fcbff4
Removing intermediate container 636543fcbff4
---> 9e5273e56e3d
Step 7/16 : ARG test_name
---> Running in f795ccb4fc14
Removing intermediate container f795ccb4fc14
---> 15e4e883e418
Step 8/16 : ARG run_case
```

```
    ---> Running in 9f19acab953f
Removing intermediate container 9f19acab953f
    ---> d2ef8ca8d49c
Step 9/16 : ENV test_name=$test_name
    ---> Running in b9692e6a6944
Removing intermediate container b9692e6a6944
    ---> 384badf50ad5
Step 10/16 : ENV run_case=$run_case
    ---> Running in 8d6d67db10bb
Removing intermediate container 8d6d67db10bb
    ---> 1041cf92cd95
Step 11/16 : ENV CI_TEST=true
'rst'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
    ---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'thr'] ---> Running in 3e78d36a045c
Removing intermediate container 3e78d36a045c
    ---> 63b264794da2
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in 2e2027ececa5
Removing intermediate container 2e2027ececa5
    ---> 75cba4ee6799
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 0eb9a0206686
Removing intermediate container 0eb9a0206686
    ---> 07a100cf0ace
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in 8ecc924513c2
Removing intermediate container 8ecc924513c2
    ---> 858ca2f5c482
```

```
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in 90feaa163486
Removing intermediate container 90feaa163486
---> 4002da140c77
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
---> Running in 387909d3bbb5
Removing intermediate container 387909d3bbb5
---> 919d16a6f935
[Warning] One or more build-args [build_case] were not consumed
Successfully built 919d16a6f935
Successfully tagged ci-test-weather:latest
'dbg'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'thr'] ---> 45946d4ae0c8
Step 5/16 : USER builder
---> Running in 0cd74cddafe7
Removing intermediate container 0cd74cddafe7
---> 7cc5b4bbf97e
Step 6/16 : ENV USER=builder
---> Running in 72104b6e67df
Removing intermediate container 72104b6e67df
---> 3355625f3230
Step 7/16 : ARG test_name
---> Running in ed6788d87c1f
```

```
Removing intermediate container ed6788d87c1f
---> ffd764a6cf0f
Step 8/16 : ARG run_case
---> Running in e9964227b95a
Removing intermediate container e9964227b95a
---> e6e53ad9284a
Step 9/16 : ENV test_name=$test_name
---> Running in 0db9b144cc0f
Removing intermediate container 0db9b144cc0f
---> fd37cdc48071
Step 10/16 : ENV run_case=$run_case
---> Running in 89f0050eae87
Removing intermediate container 89f0050eae87
---> 2bb6b11edaa0
Step 11/16 : ENV CI_TEST=true
---> Running in d3ab0ccfbc8
Removing intermediate container d3ab0ccfbc8
---> 202aef1f4cab
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 24c38b85c740
Removing intermediate container 24c38b85c740
---> 9e5e0e868d8d
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 811757c7778b
'thr'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
'thr'] Removing intermediate container 811757c7778b
---> 750303527349
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 53750bc9e7cd
Removing intermediate container 53750bc9e7cd
```

```
    ---> 48c646bf8cee
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 2d1c191b67f8
'thr'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'dbg'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
    ---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'mpi'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
    ---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'thr'] Removing intermediate container 2d1c191b67f8
    ---> bb4c7ef43066
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in cab32da1423
Removing intermediate container cab32da1423
    ---> a752c0b84eb8
[Warning] One or more build-args [build_case] were not consumed
Successfully built a752c0b84eb8
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
```

```
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dcp'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'thr'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'rst'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'dcp'] ---> Running in 9e95d761748c
Removing intermediate container 9e95d761748c
---> 93a3b9ef79df
Step 3/16 : ENV HOME=/home/builder
---> Running in a8b02c6f8cb3
Removing intermediate container a8b02c6f8cb3
---> 0daeee4bd47c
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'rst'] ---> Running in 0c342888acc2
Removing intermediate container 0c342888acc2
```

```
    ---> 6fa8036d76b0
Step 3/16 : ENV HOME=/home/builder
    ---> Running in f2d5c0c2b428
Removing intermediate container f2d5c0c2b428
    ---> 060cac5aa80d
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'bit'] ---> Running in 9443ee346fd5
Removing intermediate container 9443ee346fd5
    ---> a5c0ea7dc000
Step 3/16 : ENV HOME=/home/builder
    ---> Running in 0ad6b7362b3d
Removing intermediate container 0ad6b7362b3d
    ---> 30e06b5cd13c
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dbg'] ---> Running in a34e4d6528b7
Removing intermediate container a34e4d6528b7
    ---> 4384679b9411
Step 3/16 : ENV HOME=/home/builder
    ---> Running in 37471f321719
Removing intermediate container 37471f321719
    ---> fa5904256e3e
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dcp'] ---> 44906603a8ed
Step 5/16 : USER builder
    ---> Running in c2bf822285ae
Removing intermediate container c2bf822285ae
    ---> f758ef581510
Step 6/16 : ENV USER=builder
    ---> Running in be7a96f5aa71
Removing intermediate container be7a96f5aa71
    ---> a2e4e622dabe
Step 7/16 : ARG test_name
    ---> Running in 7deab453b4bd
```



```
'dbg'] ---> Running in db19a7434b5c
Removing intermediate container db19a7434b5c
---> 1f844d6c5dd5
Step 3/16 : ENV HOME=/home/builder
---> Running in e70dc9178491
Removing intermediate container e70dc9178491
---> a312ffa01281
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model

'mpi'] ---> Running in a7ba9cf55886
Removing intermediate container a7ba9cf55886
---> e80ce53489f8
Step 3/16 : ENV HOME=/home/builder
---> Running in 92a145a5f974
Removing intermediate container 92a145a5f974
---> 97eb5095b65d
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model

'dcp'] Removing intermediate container 7deab453b4bd
---> a5b9ac25ab6f
Step 8/16 : ARG run_case
---> Running in 08eb62776c44
Removing intermediate container 08eb62776c44
---> 5a68e73949bf
Step 9/16 : ENV test_name=$test_name
---> Running in 6fc30fd934a4
Removing intermediate container 6fc30fd934a4
---> b2fdecce52f2
Step 10/16 : ENV run_case=$run_case
---> Running in 2251f22800b8
Removing intermediate container 2251f22800b8
---> 1e1bbdfe45e5
Step 11/16 : ENV CI_TEST=true
---> Running in 9d74973e970c
Removing intermediate container 9d74973e970c
```

```
---> 76a5ab173b81
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 61953c2dd5ac
Removing intermediate container 61953c2dd5ac
---> c7336fb4c26d
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 41ab423b8abf
Removing intermediate container 41ab423b8abf
---> 95e7fb7efa05
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 29544450fd40
Removing intermediate container 29544450fd40
---> 66b91d92edb3
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in 39bbdd6ff93c
Removing intermediate container 39bbdd6ff93c
---> 08ce02b976c0
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
---> Running in 9807335a62ff
Removing intermediate container 9807335a62ff
---> 70a4a9e034e8
[Warning] One or more build-args [build_case] were not consumed
Successfully built 70a4a9e034e8
Successfully tagged ci-test-weather:latest
'dcp'] ---> Running in 88d91924dd20
Removing intermediate container 88d91924dd20
---> 582ce5dd5043
Step 3/16 : ENV HOME=/home/builder
---> Running in 0834fa732955
Removing intermediate container 0834fa732955
---> c5269dabf7a8
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
[Pipeline] }
```

```
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dcp'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'rst'] ---> 509d83631b43
Step 5/16 : USER builder
---> Running in 0f1515bd7a67
Removing intermediate container 0f1515bd7a67
---> 1192bdf135b6
Step 6/16 : ENV USER=builder
---> Running in de6d22da912f
Removing intermediate container de6d22da912f
---> c557e172ea4a
Step 7/16 : ARG test_name
---> Running in 0e112b9cf951
'bit'] ---> af5413764e3a
Step 5/16 : USER builder
---> Running in c0e8a1266f58
Removing intermediate container c0e8a1266f58
---> 741611d7a64d
Step 6/16 : ENV USER=builder
---> Running in d1e81fdef813
Removing intermediate container d1e81fdef813
---> f773b3ab4aff
Step 7/16 : ARG test_name
---> Running in b1ac798139ea
```

```
Removing intermediate container b1ac798139ea
---> a7c66a049c04
Step 8/16 : ARG run_case
---> Running in 1898bd0ba871
Removing intermediate container 1898bd0ba871
---> 1cdeb3ea3b6b
Step 9/16 : ENV test_name=$test_name
---> Running in a7faa534b4fd
Removing intermediate container a7faa534b4fd
---> beb5b88558f6
Step 10/16 : ENV run_case=$run_case
---> Running in 827f5c173c56
Removing intermediate container 827f5c173c56
---> f46ea6b87eb2
Step 11/16 : ENV CI_TEST=true
---> Running in a1f3d4ea2fbc
Removing intermediate container a1f3d4ea2fbc
---> 98acdfd97367
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in f64f2a74a718
Removing intermediate container f64f2a74a718
---> 1c0e694a87a8
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 7683361ba496
Removing intermediate container 7683361ba496
---> b054ea9324f6
Step 14/16 : ENV MACHINE_ID=linux
---> Running in eb55956d8246
Removing intermediate container eb55956d8246
---> 5fad152524f2
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in 6d7a32578268
```

```
'rst'] Removing intermediate container 0e112b9cf951
```

```
    ---> 22e8f0e7ec73
Step 8/16 : ARG run_case
    ---> Running in ca17c1a163d6
Removing intermediate container ca17c1a163d6
    ---> 795bb437174c
Step 9/16 : ENV test_name=$test_name
    ---> Running in 5bcaff18b199
Removing intermediate container 5bcaff18b199
    ---> aba6096453a3
Step 10/16 : ENV run_case=$run_case
    ---> Running in 949885e4e88f
'bit'] Removing intermediate container 6d7a32578268
    ---> bfec5ca22a82
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in a93e6392ed88
Removing intermediate container a93e6392ed88
    ---> c90c3a971e5f
[Warning] One or more build-args [build_case] were not consumed
Successfully built c90c3a971e5f
Successfully tagged ci-test-weather:latest
'rst'] Removing intermediate container 949885e4e88f
    ---> e68ed8bb0ee1
Step 11/16 : ENV CI_TEST=true
    ---> Running in 392202bc23c7
Removing intermediate container 392202bc23c7
    ---> d20cb40b5852
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in 3184d33e917a
Removing intermediate container 3184d33e917a
    ---> c2897758ea05
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 1ee8a8ffd77a
Removing intermediate container 1ee8a8ffd77a
```

```
    ---> 6fa71975f253
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in f9cb3b3315c8
Removing intermediate container f9cb3b3315c8
    ---> febcc54ebdd2
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 2d546bd9463f
Removing intermediate container 2d546bd9463f
    ---> f45f964d1576
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
[Pipeline] }
'dcp'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
'rst'] ---> Running in 27b08c36d079
Removing intermediate container 27b08c36d079
    ---> 4ee0b09ba88d
[Warning] One or more build-args [build_case] were not consumed
Successfully built 4ee0b09ba88d
Successfully tagged ci-test-weather:latest
[Pipeline] sh
[Pipeline] }
'bit'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
'rst'] ---> Running in aabdcce2635a
```

```
Removing intermediate container aabdcce2635a
---> 5bfa32b53707
Step 3/16 : ENV HOME=/home/builder
---> Running in 6f899b710ba8
Removing intermediate container 6f899b710ba8
---> e82f6a0ce55f
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
[Pipeline] sh
'bit'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
'rst'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'bit'] df20fa9351a1: Pull complete
'rst'] df20fa9351a1: Download complete
'dbg'] ---> 2310a5f538ac
Step 5/16 : USER builder
---> Running in 7076b35bbb6c
Removing intermediate container 7076b35bbb6c
---> a4b077f6d7a2
Step 6/16 : ENV USER=builder
---> Running in 749405646a69
Removing intermediate container 749405646a69
---> 44c7c413a94c
Step 7/16 : ARG test_name
---> Running in a366f0879481
```

```
Removing intermediate container a366f0879481
---> 3e9ab719d3b9
Step 8/16 : ARG run_case
---> Running in 2bca43f2d72c
Removing intermediate container 2bca43f2d72c
---> 0b86cf9f43d7
Step 9/16 : ENV test_name=$test_name
---> Running in a91b4002c354
Removing intermediate container a91b4002c354
---> 8c69a9da2938
Step 10/16 : ENV run_case=$run_case
---> Running in 0c6ff50bc8fa
Removing intermediate container 0c6ff50bc8fa
---> 314a199dc5e0
Step 11/16 : ENV CI_TEST=true
---> Running in b9a4f6c42d63
Removing intermediate container b9a4f6c42d63
---> 14d2a37a2fad
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in dababccd344a
Removing intermediate container dababccd344a
---> e73764f44d1f
Step 13/16 : ENV RT_MACHINE=linux
---> Running in c535d3a350af
Removing intermediate container c535d3a350af
---> 349b0cb40826
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 49b9fbb8a84c
'rst'] df20fa9351a1: Pull complete
'dbg'] Removing intermediate container 49b9fbb8a84c
---> 2e3b4c38806c
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in 49aa111a200a
```



```
Removing intermediate container 49aa111a200a
---> d30ad3f4f3a2
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
---> Running in 8671f0da3c6e
Removing intermediate container 8671f0da3c6e
---> 048ffadbce80
[Warning] One or more build-args [build_case] were not consumed
Successfully built 048ffadbce80
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dbg'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
'dbg'] ---> 279a0b8b9636
Step 5/16 : USER builder
---> Running in b917a7779a58
Removing intermediate container b917a7779a58
---> 16f317d57fdf
Step 6/16 : ENV USER=builder
---> Running in 6c9dc4068b99
Removing intermediate container 6c9dc4068b99
---> 28919b3f80e1
Step 7/16 : ARG test_name
---> Running in 1d9443282317
Removing intermediate container 1d9443282317
---> 3d418b9b0839
Step 8/16 : ARG run_case
---> Running in a0e0f187891f
```

```
Removing intermediate container a0e0f187891f
---> 9393d88e203d
Step 9/16 : ENV test_name=$test_name
---> Running in b74df77accd2
Removing intermediate container b74df77accd2
---> b7bdfd72b6bb
Step 10/16 : ENV run_case=$run_case
---> Running in 458a0b9b3492
Removing intermediate container 458a0b9b3492
---> d1955e907e85
Step 11/16 : ENV CI_TEST=true
'dbg'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'dbg'] ---> Running in 4fad5a7c1292
Removing intermediate container 4fad5a7c1292
---> ff9180130719
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 6b5789cef547
Removing intermediate container 6b5789cef547
---> 41fa04a1d6d5
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 6067b70e97b4
'dbg'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'dbg'] Removing intermediate container 6067b70e97b4
---> b5d4377ba719
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 3dc1c4de1b4d
Removing intermediate container 3dc1c4de1b4d
---> 0cea6df0f4a7
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
```

```
    ---> Running in 34ffbdd949e8
Removing intermediate container 34ffbdd949e8
    ---> 7214e0302d4d
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in a5c86993a6e2
Removing intermediate container a5c86993a6e2
    ---> 223fdce5680c
[Warning] One or more build-args [build_case] were not consumed
Successfully built 223fdce5680c
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
'dcp'] ---> 70453e031392
Step 5/16 : USER builder
    ---> Running in 26caa7605037
'dcp'] Removing intermediate container 26caa7605037
    ---> 59f7391f41d0
Step 6/16 : ENV USER=builder
    ---> Running in a745bb9faa85
[Pipeline] sh
'dcp'] Removing intermediate container a745bb9faa85
    ---> 53482643f2ed
Step 7/16 : ARG test_name
    ---> Running in 4a0c511a6256
Removing intermediate container 4a0c511a6256
    ---> 08990826e033
Step 8/16 : ARG run_case
    ---> Running in 70c3b1547043
Removing intermediate container 70c3b1547043
    ---> 28cd161d2cf2
Step 9/16 : ENV test_name=$test_name
```

```
    ---> Running in 18414e1abd5a
Removing intermediate container 18414e1abd5a
    ---> d31e0a93356e
Step 10/16 : ENV run_case=$run_case
    ---> Running in 62f9d64ba518
Removing intermediate container 62f9d64ba518
    ---> a6bfff021f240
Step 11/16 : ENV CI_TEST=true
    ---> Running in 44a106eab9af
Removing intermediate container 44a106eab9af
    ---> 2ec74e320fb7
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in 3bfd6fe614b1
Removing intermediate container 3bfd6fe614b1
    ---> 5bf2deef39e9
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 9bbd10943559
Removing intermediate container 9bbd10943559
    ---> 0b3b8c461b01
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in f131498843d2
'dbg'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
'dcp'] Removing intermediate container f131498843d2
    ---> d9ac534be057
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 919eb92b993f
Removing intermediate container 919eb92b993f
    ---> df768ff4150a
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in e486e8bd1abe
```

```
Removing intermediate container e486e8bd1abe
---> 16efb0c0b73d
[Warning] One or more build-args [build_case] were not consumed
Successfully built 16efb0c0b73d
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dbg'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'dcp'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
'mpi'] ---> 7e29571ed300
Step 5/16 : USER builder
---> Running in daeba016ec21
Removing intermediate container daeba016ec21
---> 4fd87a95dc8c
Step 6/16 : ENV USER=builder
---> Running in 98a22e5cf9ca
Removing intermediate container 98a22e5cf9ca
---> 29b8c250cecc
Step 7/16 : ARG test_name
---> Running in 08624b503cab
```

```
Removing intermediate container 08624b503cab
---> 3b135eb22f1c
Step 8/16 : ARG run_case
---> Running in eacc9479ea7e
Removing intermediate container eacc9479ea7e
---> 9d8c59fec707
Step 9/16 : ENV test_name=$test_name
---> Running in a2c9488ac847
Removing intermediate container a2c9488ac847
---> e6e0c6116c5b
Step 10/16 : ENV run_case=$run_case
---> Running in 6d3655ad989d
Removing intermediate container 6d3655ad989d
---> 1947493c3843
Step 11/16 : ENV CI_TEST=true
---> Running in d0889c24a1a8
Removing intermediate container d0889c24a1a8
---> c7ef383570e0
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 450694f67aec
Removing intermediate container 450694f67aec
---> a0a24dd6b4e8
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 41b10420fd34
Removing intermediate container 41b10420fd34
---> 5a2735a71153
Step 14/16 : ENV MACHINE_ID=linux
---> Running in f46d02b27da2
Removing intermediate container f46d02b27da2
---> 2e739f14d1de
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in e01121cd2d33
Removing intermediate container e01121cd2d33
```

```
    ---> e21ae549854b
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in 5ee6126c6b62
Removing intermediate container 5ee6126c6b62
    ---> 959dfc6a282a
[Warning] One or more build-args [build_case] were not consumed
Successfully built 959dfc6a282a
Successfully tagged ci-test-weather:latest
'dcp'] df20fa9351a1: Pull complete
'rst'] ---> 74af8d906dbe
Step 5/16 : USER builder
    ---> Running in 0dacdcfe5d95
Removing intermediate container 0dacdcfe5d95
    ---> b435b3bdad8d
Step 6/16 : ENV USER=builder
    ---> Running in 8720d4eb056f
Removing intermediate container 8720d4eb056f
    ---> a5407cc42860
Step 7/16 : ARG test_name
    ---> Running in 5283f0eeb12f
Removing intermediate container 5283f0eeb12f
    ---> b13057529ebd
Step 8/16 : ARG run_case
    ---> Running in 4ed401961a42
Removing intermediate container 4ed401961a42
    ---> 4bcaf8864048
Step 9/16 : ENV test_name=$test_name
    ---> Running in 4411246fa9e9
Removing intermediate container 4411246fa9e9
    ---> 5867064ac7f5
Step 10/16 : ENV run_case=$run_case
    ---> Running in 26bb8944d786
Removing intermediate container 26bb8944d786
```

```
    ---> b3ffcab4c3f3
Step 11/16 : ENV CI_TEST=true
    ---> Running in b6673efa367b
[Pipeline] }
[Pipeline] // stage
'rst'] Removing intermediate container b6673efa367b
    ---> 89444d0e4459
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in 7553456373ea
Removing intermediate container 7553456373ea
    ---> 9164780bead7
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in d0fe2f806a1b
Removing intermediate container d0fe2f806a1b
    ---> 226db57bb988
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in 8bacb1ea9d31
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'rst'] Removing intermediate container 8bacb1ea9d31
    ---> dd48d5f81b79
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 3d1a80f8e03c
Removing intermediate container 3d1a80f8e03c
    ---> ce9b1b564be9
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in 8d60622be8c7
Removing intermediate container 8d60622be8c7
    ---> 8f3d75895c69
[Warning] One or more build-args [build_case] were not consumed
'dbg'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
```



```
df20fa9351a1: Pull complete
'mpi'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
'rst'] Successfully built 8f3d75895c69
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'mpi'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'rst'] + docker volume rm --force DataVolume
DataVolume
+ docker run --detach --rm --volume DataVolume:/tmp noaaepic/input-data:20221101
Unable to find image 'noaaepic/input-data:20221101' locally
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'mpi'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'rst'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'bit'] 1ff3978cbb81: Retrying in 5 seconds
1ff3978cbb81: Retrying in 4 seconds
1ff3978cbb81: Retrying in 3 seconds
1ff3978cbb81: Retrying in 2 seconds
1ff3978cbb81: Retrying in 1 second
```

```
'thr'] 1ff3978cbb81: Retrying in 5 seconds
      1ff3978cbb81: Retrying in 4 seconds
      1ff3978cbb81: Retrying in 3 seconds
      1ff3978cbb81: Retrying in 2 seconds
      1ff3978cbb81: Retrying in 1 second
'dbg'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'thr'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'bit'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'mpi'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'rst'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dcp'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'thr'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dcp'] 1ff3978cbb81: Download complete
'dbg'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'rst'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dbg'] 1ff3978cbb81: Pull complete
      Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
      Status: Downloaded newer image for noaaepic/input-data:20221101
'thr'] 1ff3978cbb81: Pull complete
      Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
      Status: Downloaded newer image for noaaepic/input-data:20221101
'bit'] 1ff3978cbb81: Pull complete
      Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
      Status: Downloaded newer image for noaaepic/input-data:20221101
```

```
'mpi'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'rst'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'dcp'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'dcp'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'thr'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'dbg'] 72174c08754028500b0af20b38650d5d5bd9e179f0d81a909f15a6a288897ac3
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'dbg'] + docker run --rm --env test_name=control_p8 --env run_case=dbg --workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSFV3gfs --interactive --shm-size=1gb ci-test-weather
b39e64603741
WARNING: UNKNOWN PLATFORM
test name: control_p8
cases to compile: dbg
compiling dbg with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0 -D32BIT=ON -DDEBUG=ON
'thr'] 252422e24bc46a494487ec3df7373dba2110ebb77bef9a4738fe2a589b26f503
[Pipeline] }
[Pipeline] // stage
```

```
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'thr'] + docker run --rm --env test_name=regional_control --env run_case=thr --workdir /home/builder/ufs-weather-model/tests --
volume DataVolume:/home/builder/data/NEMSfv3gfs --interactive --shm-size=1gb ci-test-weather
c65f5a3c63fc
WARNING: UNKNOWN PLATFORM
test name: regional_control
cases to compile: std
compiling std with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0 -D32BIT=ON
'bit'] 8daa0f9d9d3e46d69f47890bdd4de46a2f5d028f8ac501d68d0a82c4101d7424
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'bit'] + docker run --rm --env test_name=control_p8 --env run_case=bit --workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSfv3gfs --interactive --shm-size=1gb ci-test-weather
a856844d60d1
WARNING: UNKNOWN PLATFORM
test name: control_p8
cases to compile: bit
compiling bit with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0
'dbg'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'rst'] 75788edd3fc4fa7e3ede8010a1af73344906b53271ee67e2936cdd321fd2ffa7
[Pipeline] }
[Pipeline] // stage
```

```
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'rst'] + docker run --rm --env test_name=control_p8 --env run_case=rst --workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSFV3GFS --interactive --shm-size=1gb ci-test-weather
b8e5de93073a
WARNING: UNKNOWN PLATFORM
test name: control_p8
cases to compile: std
compiling std with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0 -D32BIT=ON
'dbg'] done compiling dbg
cases to run: dbg_base
Running test for dbg_base
    THRD: 1; INPES: 3; JNPES: 2; TPN: 40
++ mpiexec -n 80 ./fv3.exe
'rst'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'mpi'] d3339adbb04fedc69a93227e47029339f737fe6f99a871f6b012bbd8e04414f6
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'mpi'] + docker run --rm --env test_name=control_p8 --env run_case=mpi --workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSFV3GFS --interactive --shm-size=1gb ci-test-weather
ea200ebc39ce
WARNING: UNKNOWN PLATFORM
test name: control_p8
cases to compile: std
compiling std with compile option -DAPP=ATM -
```

```
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0 -D32BIT=ON
'dcp'] 8f5bb8be59e1aed11a28be4f3ecd4f870a2249ec3838d555af124ab345e60a19
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'dcp'] + docker run --rm --env test_name=control_p8 --env run_case=dcp --workdir /home/builder/ufs-weather-model/tests --volume
DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-size=1gb ci-test-weather
61e36a173f63
WARNING: UNKNOWN PLATFORM
test name: control_p8
cases to compile: std
compiling std with compile option -DAPP=ATM -
DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
WoFS_v0 -D32BIT=ON
'dcp'] 05ef500465b8f3fba725ad4098af866c47087f2d60d651c6b2a4bec8098cd411
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] sh
'thr'] db20d3a241213d6e5848a48d6a678f15b1b627664f95ae5479e1d9adc7738a8b
'dcp'] + docker run --rm --env test_name=regional_control --env run_case=dcp --workdir /home/builder/ufs-weather-model/tests --
volume DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-size=1gb ci-test-weather
4847dc2407cd
WARNING: UNKNOWN PLATFORM
test name: regional_control
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
```

```
'dcp'] cases to compile: std
  compiling std with compile option -DAPP=ATM -
  DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
  WoFS_v0 -D32BIT=ON
  [Pipeline] sh
'thr'] + docker run --rm --env test_name=control_p8 --env run_case=thr --workdir /home/builder/ufs-weather-model/tests --volume
  DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-size=1gb ci-test-weather
  f76018bd0eae
  WARNING: UNKNOWN PLATFORM
  test name: control_p8
  cases to compile: std
  compiling std with compile option -DAPP=ATM -
  DCCPP_SUITES=FV3_GFS_v16,FV3_GFS_v15_thompson_mynn,FV3_GFS_v17_p8,FV3_GFS_v17_p8_rrtmgp,FV3_GFS_v15_thompson_mynn_lam3km,FV3_
  WoFS_v0 -D32BIT=ON
'thr'] done compiling std
  cases to run: std_base thr
  Running test for std_base
    THRD: 1; INPES: 10; JNPES: 11; TPN: 40
  ++ mpiexec -n 120 ./fv3.exe

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

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

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

  WARNING from PE 60: atmos_modeldefine_blocks_packed: domain ( 32 17) is not an even divisor with definition ( 28) -
```

blocks will not be uniform with a remainder of 12

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 3: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 34: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 12

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 72: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 12

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

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

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

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

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

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

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

'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
'thr'] 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 :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=        264
in readxml, aft read flat file.xml,num_pset=              2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvl$xml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
```

PROCESS MDL2AGL done

PROCESS SURFCE done

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

PROCESS CLDRAD done

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

```
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
```

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



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

```
      ient,iget =      1010      -1
'bit'] done compiling bit
      cases to run: bit_base
      Running test for bit_base
          THRD: 1; INPES: 3; JNPES: 2; TPN: 40
      ++ mpiexec -n 80 ./fv3.exe
'rst'] done compiling std
      cases to run: std_base rst
      Running test for std_base
          THRD: 1; INPES: 3; JNPES: 2; TPN: 40
      ++ mpiexec -n 80 ./fv3.exe
'bit'] Using non-aerosol-aware version of Thompson microphysics
      calling table_ccnAct routine
      creating qc collision eff tables
      creating rain evap table
      creating ice converting to snow table
      creating rain collecting graupel table
      creating freezing of water drops table
      ... DONE microphysical lookup tables
'dbg'] ef5ff163d74d46fb0c6c8a1493f1fa1f97fd1fd8c7736e932890a0f8426208ca
      [Pipeline] }
      [Pipeline] // stage
      [Pipeline] stage
      [Pipeline] { (Test)
      [Pipeline] sh
'dbg'] + docker run --rm --env test_name=cpld_control_nowave_noaero_p8 --env run_case=dbg --workdir /home/builder/ufs-weather-
      model/tests --volume DataVolume:/home/builder/data/NEMSFv3gfs --interactive --shm-size=1gb ci-test-weather
      588a4533012e
      WARNING: UNKNOWN PLATFORM
      test name: cpld_control_nowave_noaero_p8
      cases to compile: dbg
      compiling dbg with compile option -DAPP=S2SW -DCCPP_SUITES=FV3_GFS_v17_coupled_p8 -DDEBUG=ON
'rst'] Using non-aerosol-aware version of Thompson microphysics
```

```
calling table_ccnAct routine
creating qc collision eff tables
creating rain evap table
creating ice converting to snow table
creating rain collecting graupel table
creating freezing of water drops table
... DONE microphysical lookup tables
'bit'] 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 :      156
sum num_post_afld :      203
in readxml, aft read flat file.xml,num_post_afld=      156
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      156
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      101500
size of post_avblflds param      156
in readxml. nfld=      156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
```

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

'mpi'] done compiling std

cases to run: std_base mpi

Running test for std_base

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

++ mpiexec -n 80 ./fv3.exe

'rst'] in readxml,bf readxml,size(post_avblflds%param)= 1

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 47

```
sum num_post_afld :          47
allocate param to :          156
sum num_post_afld :          203
in readxml, aft read flat file.xml,num_post_afld=          156
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          156
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          101500
size of post_avblflds param          156
in readxml. nfld=          156 nrecout=          1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS done
ient,iget =          1007          -1
ient,iget =          1008          -1
```



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

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

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

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

```
'rst'] 95c4c592b6d1411c305620e9ee70b0896fdeaa2061cc55174472b59187c8f9dd
```

```
[Pipeline] }
```

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

```
[Pipeline] stage
```

```
[Pipeline] { (Test)
```

```
[Pipeline] sh
```

```
'rst'] + docker run --rm --env test_name=cpld_control_nowave_noaero_p8 --env run_case=rst --workdir /home/builder/ufs-weather-
model/tests --volume DataVolume:/home/builder/data/NEMSFV3gfs --interactive --shm-size=1gb ci-test-weather
7530404f6062
```

```
WARNING: UNKNOWN PLATFORM
```

```
test name: cpld_control_nowave_noaero_p8
```

```
cases to compile: std
```

```
compiling std with compile option -DAPP=S2SW -DCCPP_SUITES=FV3_GFS_v17_coupled_p8
```

```
'dcp'] done compiling std
```

```
cases to run: std_base dcp
```

```
Running test for std_base
```

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

```
++ mpiexec -n 80 ./fv3.exe
```

```
'mpi'] 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 :          47
sum num_post_afld :          47
allocate param to :          156
sum num_post_afld :          203
in readxml, aft read flat file.xml,num_post_afld=        156
in readxml, aft read flat file.xml,num_pset=              2
Size of pset is:          156
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          101500
size of post_avblflds param          156
in readxml. nfld=          156 nrecout=          1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
```

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          47
datset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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
```

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



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

```
'dcp'] 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'] done compiling std
```

```
  cases to run: std_base dcp
```

```
Running test for std_base
  THRD: 1; INPES: 10; JNPES: 11; TPN: 40
++ mpiexec -n 120 ./fv3.exe
'thr'] done compiling std
cases to run: std_base thr
Running test for std_base
  THRD: 1; INPES: 3; JNPES: 2; TPN: 40
++ mpiexec -n 80 ./fv3.exe
'dbg'] done compiling dbg
cases to run: dbg_base
Running test for dbg_base
  THRD: 1; INPES: 2; JNPES: 2; TPN: 40
'dcp']
WARNING from PE 33: atmos_modeldefine_blocks_packed: domain ( 32 17) is not an even divisor with definition ( 28) -
blocks will not be uniform with a remainder of 12

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 53: atmos_modeldefine_blocks_packed: domain (32 16) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 8

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 46: atmos_modeldefine_blocks_packed: domain (32 17) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 12

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 15: atmos_modeldefine_blocks_packed: domain (32 18) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

'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 : 156
sum num_post_afld : 203
in readxml, aft read flat file.xml,num_post_afld= 156
in readxml, aft read flat file.xml,num_pset= 2

```
Size of pset is:          156
dataset is: GFSPRS
MXFLD is:                1200
size of lvlxml:          101500
size of post_avblflds param      156
in readxml. nfld=        156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
ient,iget =              1010          -1
PROCESS done
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
ient,iget =              1010          -1
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
```



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

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

```

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

```

```

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

```

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

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

```

'dcp'] Using non-aerosol-aware version of Thompson microphysics
calling table_ccnAct routine
creating qc collision eff tables
creating rain evap table
creating ice converting to snow table
creating rain collecting graupel table
creating freezing of water drops table
... DONE microphysical lookup tables
in readxml,bf readxml,size(post_avblflds%param)=      1
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483

```

```
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlsxml:        241500
size of post_avblflds param      264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
```

'dbg']

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

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

```
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
numr,dyval,DY_m=      0      3000000  333600.000
PROCESS CLDRAD done
```

'dbg']

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

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

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

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

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

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

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

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

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

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

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

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

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

```
'dcp'] ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
       ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
       ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
       ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
       ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
       ient,iget =      1007      -1
       ient,iget =      1008      -1
       ient,iget =      1009      -1
       ient,iget =      1010      -1
```

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

```
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
in readxml. nfld=      219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
```


PROCESS SURFCE done

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

PROCESS CLDRAD done

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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

'thr'] 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 :          47
sum num_post_afld :          47
allocate param to :          156
sum num_post_afld :          203
in readxml, aft read flat file.xml,num_post_afld=        156
in readxml, aft read flat file.xml,num_pset=              2
Size of pset is:          156
datset is: GFSPRS
MXFLD is:          1200
size of lvl$xml:          101500
size of post_avblflds param          156
in readxml. nfld=          156 nrecout=          1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
```

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:          1200
size of lvlxml:          101500
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

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

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

```
'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_p8_dbg_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_dbg_base
Checking test dbg_base control_p8 results ....
Moving baseline dbg_base control_p8 files ....
  Moving sfcf001.nc .....OK
  Moving sfcf001.nc .....OK
```

```
The total amount of wall time          = 325.086669
The maximum resident set size (KB)     = 1441228
```

```
Test dbg_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:06m:52s. 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 223fdce5680c
Untagged: ci-test-weather:latest
Deleted: sha256:223fdce5680cb6688ee40e4381e3a4e11228837f9f4c3a9c1fa6cb4dfd448ce8
Deleted: sha256:7214e0302d4d4d3ba11aa590bd54b5fe0291e37bf26a2e1ba4ec7ee677091fdd
Deleted: sha256:0cea6df0f4a7fb18096857963a26f871a3541f27aff4ab8b3cbcadd2a9ca6ac6
Deleted: sha256:b5d4377ba7195f1e811cc8b2bdcb10a21795be80fe9b01d02fbff69a1bb3831c
Deleted: sha256:41fa04a1d6d534aa869386164e789088c0d5189c33ec97979b224394b78c2c00
Deleted: sha256:ff91801307195f953da108f7c70859f35d60596536fe20673677408fc50d4443
Deleted: sha256:d1955e907e852e14e241e587ced8bf184faf86e2db807eda6f941fb751aa425d
Deleted: sha256:b7bdfd72b6bbbbe80ebcd36d6d209719bdd33f90ea7a9c0faf22c3914f2c16f0
Deleted: sha256:9393d88e203df365c5c7bf3559e0a63ef0bd34a511913fe8cb276729b2ed0b16
Deleted: sha256:3d418b9b08393dce1bac7e44ef37e7eb8a67540aac32aec203e90cb39dde82c5
Deleted: sha256:28919b3f80e14e3b4f54dc10add4648fae4bc724a4f047d58109540b35a848ae
Deleted: sha256:16f317d57fdf658ce23a8487ea7d9806d204460df7f9737146d5487c06cbe28f
Deleted: sha256:279a0b8b9636cce8aff7b74ffcf2d3f1231418cddd3f3d85200562a5c60d1e52
Deleted: sha256:b2c199825641dc9e600d338d34baa97bb29f0afb7d0504af7328e9074934b5e
Deleted: sha256:a312ffa01281fe7f8849ffd919d82c39cea0e49ee2758cd8f01cbc84440f4908
Deleted: sha256:1f844d6c5dd5065c720bddefc500a17a5309be9004352f341f819e840ddfa9ab
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
```


Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8

Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738

Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'thr'] reset of fraction_interval w      5  10800.0000
        reset of fraction_interval w      5  10800.0000
        reset of fraction_interval u      5  10800.0000
        reset of fraction_interval u      5  10800.0000
        reset of fraction_interval v      5  10800.0000
        reset of fraction_interval v      5  10800.0000
```

```
in readxml,bf readxml,size(post_avblflds%param)=      219
```

```
xml_perl_data read Post flat file
```

```
allocate paramset to :      2
```

```
allocate param to :      219
```

```
sum num_post_afld :      219
```

```
allocate param to :      264
```

```

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

```

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

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

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

'rst'] done compiling std

cases to run: std_base rst

Running test for std_base

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

++ mpiexec -n 80 ./fv3.exe

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Using non-aerosol-aware version of Thompson microphysics

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

'dbg'] 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 5 10800.0000
reset of fraction_interval w 5 10800.0000
reset of fraction_interval u 5 10800.0000
reset of fraction_interval u 5 10800.0000
reset of fraction_interval v 5 10800.0000
reset of fraction_interval v 5 10800.0000
in readxml,bf readxml,size(post_avblflds%param)= 219


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

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

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

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

PROCESS CLDRAD done

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

```

ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'thr'] reset of fraction_interval w      5  21600.0000
reset of fraction_interval w      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval v      5  21600.0000
reset of fraction_interval v      5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483

```

```
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlsxml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
numr,dyval,DY_m=          0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
```

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

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



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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

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

Running test for thr

THRD: 2; INPES: 5; JNPES: 11; TPN: 20

++ mpiexec -n 70 ./fv3.exe

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

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

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

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

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

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

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

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

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

WARNING from PE 26: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 30: atmos_modeldefine_blocks_packed: domain (64 17) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 24

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

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

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

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

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

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

WARNING from PE 27: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

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

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

WARNING from PE 35: atmos_modeldefine_blocks_packed: domain (64 17) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 24

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 25: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 28: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 29: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

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

WARNING from PE 47: atmos_modeldefine_blocks_packed: domain (64 18) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 4

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

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 : 264
sum num_post_afld : 483
in readxml, aft read flat file.xml,num_post_afld= 264
in readxml, aft read flat file.xml,num_pset= 2
Size of pset is: 264
datset is: PRSLEV
MXFLD is: 1200
size of lvlxml: 241500
size of post_avblflds param 264
in readxml. nfld= 264 nrecout= 1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
```

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
```

```

size of post_avblflds param      219
in readxml. nfld=                219 nrecout=      1569
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
numr,dyval,DY_m=                 0      3000000  333600.000
PROCESS CLDRAD done
ient,iget =                       1007          -1
ient,iget =                       1008          -1
ient,iget =                       1009          -1
ient,iget =                       1010          -1
ient,iget =                       1007          -1
ient,iget =                       1008          -1
ient,iget =                       1009          -1
ient,iget =                       1010          -1
ient,iget =                       1007          -1
ient,iget =                       1008          -1
ient,iget =                       1009          -1
ient,iget =                       1010          -1
ient,iget =                       1007          -1

```

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

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

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

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



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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

```

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

```

```

'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 :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param      209

```

```
in readxml. nfld=      209 nrecout=    1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

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

Size of pset is: 112

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

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

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'mpi'] in readxml,bf readxml,size(post_avblflds%param)=      47
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      112
sum num_post_afld :      112
allocate param to :      209
sum num_post_afld :      321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      209
dataset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

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



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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

```

ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'dcp'] reset of fraction_interval w      5  21600.0000
reset of fraction_interval w      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval u      5  21600.0000
reset of fraction_interval v      5  21600.0000
reset of fraction_interval v      5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483

```

```
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:      264
datset is: PRSLEV
MXFLD is:      1200
size of lvlsxml:      241500
size of post_avblflds param      264
in readxml. nfld=      264 nrecout=      1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

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

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

```

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

```

Running test for dcp

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

++ mpiexec -n 80 ./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 :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts

```



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

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

Size of pset is: 112

datset is: GFSFLX

MXFLD is: 1200

```
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
```

PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

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

```
Running test for rst
```

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

```
++ mpiexec -n 80 ./fv3.exe
```

```
'dcp']
```

```
WARNING from PE    56: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    57: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    58: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    34: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    35: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    40: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

```
WARNING from PE    44: atmos_modeldefine_blocks_packed: domain ( 64 16) is not an even divisor with definition ( 28) -  
blocks will not be uniform with a remainder of 16
```

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

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

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

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

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

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

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

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

WARNING from PE 51: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

WARNING from PE 16: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 17: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 18: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 19: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 20: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 21: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 22: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 23: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

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

WARNING from PE 1: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

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

WARNING from PE 4: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 5: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 6: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 7: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 8: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 9: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 10: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 11: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 12: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

WARNING from PE 13: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -

blocks will not be uniform with a remainder of 16

WARNING from PE 14: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 15: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 24: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 25: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 26: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 27: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 28: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 29: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

WARNING from PE 30: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 16

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

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

Using non-aerosol-aware version of Thompson microphysics

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

```
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          47
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
```

```
size of lvlxml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

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

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

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



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

'rst'] Using non-aerosol-aware version of Thompson microphysics

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

'dcp'] in readxml,bf readxml,size(post_avblflds%param)= 1

```
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483
in readxml, aft read flat file.xml,num_post_afld= 264
in readxml, aft read flat file.xml,num_pset= 2
Size of pset is:      264
dataset is: PRSLEV
MXFLD is:      1200
size of lvl$xml:      241500
size of post_avblflds param      264
in readxml. nfld=      264 nrecout=      1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
```

PROCESS MDL2AGL done

PROCESS SURFCE done

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

PROCESS CLDRAD done

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      219
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      219
```

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

PROCESS CALRAD_WCLOUD done

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

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

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

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



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

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

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

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_bit_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_bit_base
```

Checking test bit_base control_p8 results

Moving baseline bit_base control_p8 files

```
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
```

Moving GFSPRS.GrbF00OK
Moving GFSPRS.GrbF21OK
Moving GFSPRS.GrbF24OK
Moving RESTART/20210323.060000.coupler.resOK
Moving RESTART/20210323.060000.fv_core.res.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.ncOK
Moving RESTART/20210323.060000.phy_data.tile1.ncOK
Moving RESTART/20210323.060000.phy_data.tile2.ncOK
Moving RESTART/20210323.060000.phy_data.tile3.ncOK
Moving RESTART/20210323.060000.phy_data.tile4.ncOK
Moving RESTART/20210323.060000.phy_data.tile5.ncOK
Moving RESTART/20210323.060000.phy_data.tile6.ncOK
Moving RESTART/20210323.060000.sfc_data.tile1.ncOK
Moving RESTART/20210323.060000.sfc_data.tile2.ncOK
Moving RESTART/20210323.060000.sfc_data.tile3.ncOK
Moving RESTART/20210323.060000.sfc_data.tile4.ncOK

Moving RESTART/20210323.060000.sfc_data.tile5.ncOK

Moving RESTART/20210323.060000.sfc_data.tile6.ncOK

The total amount of wall time = 714.002987

The maximum resident set size (KB) = 1485264

Test bit_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:14m:49s. Have a nice day!

opnReqTest finished

```
'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 :           209
sum num_post_afld :           321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:              209
datset is: GFSPRS
MXFLD is:                     1200
size of lvlxml:                160500
size of post_avblflds param    209
in readxml. nfld=              209 nrecout=            1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
```

PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done

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

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

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

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

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

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

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

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

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

Running test for mpi

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

```
++ mpiexec -n 80 ./fv3.exe
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

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

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

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

```
+ docker rmi -f c90c3a971e5f
```

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

```
Deleted: sha256:c90c3a971e5f00eb5ba537c975150d7f2b482bf5e1a1a7fd1a343b7e192fd153
```

```
Deleted: sha256:bfec5ca22a82db5b6438ef38445277d4c0dd832c5b358002c94537482b4b41ae
```

```
Deleted: sha256:5fad152524f270ef899bd809fcf38369045b28a78582aa8f4aaa896d45c18509
```

```
Deleted: sha256:b054ea9324f62e2d99bfff52542d45b8e95746f7658bfb2b7450905c341e3e0bf
```

```
Deleted: sha256:1c0e694a87a839d1d4ebc6d13857331c96646f81a437e835b1d2488dc4380fa2
```

```
Deleted: sha256:98acdfd973674f19c4e3336ac4e2368648827229e86542fdb8f07b03c2fd772e
```

```
Deleted: sha256:f46ea6b87eb25899f5f8dbae27a7fd03beaba15a3dfbd04b0ab7c275d9de9fdd
```

```
Deleted: sha256:beb5b88558f69c7349dd0b8d984eaf422e042fd11f57168fd6bd47588f15cd8c
```

```
Deleted: sha256:1cdeb3ea3b6b0ce9bc9e221a1d36355b1dd73a59e730fa4efc783c4b53b6935d
```

```
Deleted: sha256:a7c66a049c048808e1c31d75dc98b86ca975dcf94670cf682b692da2d512ba8a
Deleted: sha256:f773b3ab4affa8eeaf063a6e0a13ab9edad30e99135fcb4c2b937d7553a585f3
Deleted: sha256:741611d7a64d4ecf7ced78115df182bf6196263793d304b0e2f3c96defb4dfcf
Deleted: sha256:af5413764e3a0c923a8a6e073f64c29715b66309e3faec31fdc594afc17042da
Deleted: sha256:746839a9349b9339f6acdc18a4ba7051d1c236633f7af39b4ba40b898ee30553
Deleted: sha256:30e06b5cd13c5d75de833552fb3de150f30c6823e188b89a871a962ba8203946
Deleted: sha256:a5c0ea7dc00031c4731867330f68271c97c57cdabe345a351657421f5e5a4eae
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
```

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

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



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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

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

Running test for dcp

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

++ mpiexec -n 80 ./fv3.exe

'mpi'] Using non-aerosol-aware version of Thompson microphysics

calling table_ccnAct routine

creating qc collision eff tables

creating rain evap table

creating ice converting to snow table

creating rain collecting graupel table

creating freezing of water drops table

... DONE microphysical lookup tables

'rst'] in readxml,bf readxml,size(post_avblflds%param)= 1

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 112

sum num_post_afld : 112

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

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

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

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

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'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 :      156
sum num_post_afld :      203
in readxml, aft read flat file.xml,num_post_afld=      156
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      156
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      101500
size of post_avblflds param      156
in readxml. nfld=      156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
```



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

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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

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

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

'dcp'] Using non-aerosol-aware version of Thompson microphysics

calling table_ccnAct routine

creating qc collision eff tables

creating rain evap table

```
    creating ice converting to snow table
    creating rain collecting graupel table
    creating freezing of water drops table
    ... DONE microphysical lookup tables
'thr'] in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :            112
sum num_post_afld :           112
allocate param to :            209
sum num_post_afld :           321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          209
dataset is: GFSPRS
MXFLD is:          1200
size of lvl$xml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
```

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

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

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



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

Running test for thr

THRD: 2; INPES: 3; JNPES: 1; TPN: 20

++ mpiexec -n 30 ./fv3.exe

```
'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 :      156
sum num_post_afld :      203
in readxml, aft read flat file.xml,num_post_afld=      156
in readxml, aft read flat file.xml,num_pset=      2
```

```
Size of pset is:          156
dataset is: GFSPRS
MXFLD is:                1200
size of lvlxml:          101500
size of post_avblflds param      156
in readxml. nfld=        156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
ient,iget =              1010          -1
PROCESS done
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
ient,iget =              1010          -1
ient,iget =              1007          -1
ient,iget =              1008          -1
ient,iget =              1009          -1
```

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

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

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

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

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


PROCESS SURFCE done

PROCESS CLDRAD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

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

'thr'] 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 :      47
sum num_post_afld :      47
allocate param to :      156
sum num_post_afld :      203
in readxml, aft read flat file.xml,num_post_afld=      156
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      156
dataset is: GFSPRS
MXFLD is:      1200
size of lvl$xml:      101500
size of post_avblflds param      156
in readxml. nfld=      156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:          47
dataset is: GFSFLX
MXFLD is:      1200
size of lvlxml:      101500
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

```

ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'thr'] reset of fraction_interval w      5  10800.0000
reset of fraction_interval w      5  10800.0000
reset of fraction_interval u      5  10800.0000
reset of fraction_interval u      5  10800.0000
reset of fraction_interval v      5  10800.0000
reset of fraction_interval v      5  10800.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      264

```

```
datset is: PRSLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      264
in readxml. nfld=      264 nrecout=      1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```



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

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

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

```
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
'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 :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:          209
dataset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
```

PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done

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

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

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      112
sum num_post_afld :      112
```



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

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

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

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

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

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

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

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_rst

Checking test rst control_p8 results

```
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Comparing atmf024.nc .....OK
Comparing sfcf024.nc .....OK
```

```
The total amount of wall time           = 321.951217
The maximum resident set size (KB)     = 807832
```

Test rst control_p8 PASS

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
Checking test std_base control_p8 results ....
Moving baseline std_base control_p8 files ....
  Moving sfcf000.nc .....OK
  Moving sfcf021.nc .....OK
```

```
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
```

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

```
The total amount of wall time           = 656.087858
The maximum resident set size (KB)     = 1432472
```

Test std_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:19m:27s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

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

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

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

```
+ docker rmi -f 8f3d75895c69
```

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

```
Deleted: sha256:8f3d75895c69316013fa31a6d0cc6550073943a5e8983898f3ca6cde85fc3518
```

```
Deleted: sha256:ce9b1b564be9d837e9a2b764d1957957050b29dfbf44ea8da499535ac7af6c5f
```

```
Deleted: sha256:dd48d5f81b79cc737f2268e7b7365708c002a39eb15a90125a1404c98061d583
```

```
Deleted: sha256:226db57bb988aad5f080f99a8c196cf215389fc151ba3cd0137c91de96df7739
```

```
Deleted: sha256:9164780bead7f29cf07e461e2e8c5f09097d81fbe4337a2e944bb45c88bcac9c
```

```
Deleted: sha256:89444d0e44598caa81dc5fe204525bac16cda0b9d4d7a9160b23086006e16567
```



```
Deleted: sha256:b3ffcab4c3f3c9872e17ba6a25c2ca1a12d074cb52bb87dd62de0d1ba4caac97
Deleted: sha256:5867064ac7f5ac808c463308e0a86bf319679f1993194268937b59b943cb191c
Deleted: sha256:4bcacf88640485ee529855032e55d262e1f0ab7a47143859bd898043d2c86aedc
Deleted: sha256:b13057529ebdf7e3e42f753511f4d421f40441cecd09b53aa2a33ad0c748081e
Deleted: sha256:a5407cc42860f06785633c985a737a96489e23899f55b5b65b2d7a9b109dba56
Deleted: sha256:b435b3bdad8dc74806776c7fc5b42ddf784a4aa6a630701c0201ee28a5a6bf32
Deleted: sha256:74af8d906dbe762edb6332bda57619ca839c55df7b3b8b9804ad3ca3e01dc7ae
Deleted: sha256:a556dc09c54ac20079cb2914d73b831aa7c3da60aa7fa4639ae69fd78fe52229
Deleted: sha256:e82f6a0ce55ff6773453231e2aa4cb028cd7260ff1b579d6c758750dd2894a38
Deleted: sha256:5bfa32b537071f72d1d30617a46d973ef7e7ebd611cb3d4e35276e59e1067437
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbdbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
```

```

[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'dcp'] reset of fraction_interval w          5  10800.0000
       reset of fraction_interval w          5  10800.0000
       reset of fraction_interval u          5  10800.0000
       reset of fraction_interval u          5  10800.0000
       reset of fraction_interval v          5  10800.0000
       reset of fraction_interval v          5  10800.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          219
sum num_post_afld :          219
allocate param to :          264
sum num_post_afld :          483
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          264
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          241500
size of post_avblflds param          264
in readxml. nfld=          264 nrecout=          1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0    3000000  333600.000
numr,dyval,DY_m=          0    3000000  333600.000

```

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

PROCESS CLDRAD done

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

Size of pset is: 219

datset is: NATLEV

MXFLD is: 1200

size of lvlxml: 241500

size of post_avblflds param 219

in readxml. nfld= 219 nrecout= 1569

PROCESS starts

PROCESS MDLFLD done

PROCESS MDL2P done

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

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

'thr'] reset of fraction_interval w 5 21600.0000
reset of fraction_interval w 5 21600.0000
reset of fraction_interval u 5 21600.0000

```

reset of fraction_interval u          5  21600.0000
reset of fraction_interval v          5  21600.0000
reset of fraction_interval v          5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   219
sum num_post_afld :                   219
allocate param to :                   264
sum num_post_afld :                   483
in readxml, aft read flat file.xml,num_post_afld=     264
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:                       264
datset is: PRSLEV
MXFLD is:                               1200
size of lvlxml:                         241500
size of post_avblflds param             264
in readxml. nfld=                       264 nrecout=   1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000
numr,dyval,DY_m=           0    3000000  333600.000

```

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



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

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

PROCESS CLDRAD done

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

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

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

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/regional_control_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/regional_control_std_base
Checking test std_base regional_control results ....
Moving baseline std_base regional_control files ....
  Moving dynf000.nc .....OK
  Moving dynf006.nc .....OK
  Moving phyf000.nc .....OK
```

```
Moving phyf006.nc .....OK
Moving PRSLEV.GrbF00 .....OK
Moving PRSLEV.GrbF06 .....OK
Moving NATLEV.GrbF00 .....OK
Moving NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 536.642435
The maximum resident set size (KB)     = 609732
```

```
Test std_base regional_control PASS
```

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

```
Checking test thr regional_control results ....
```

```
Comparing dynf000.nc .....OK
Comparing dynf006.nc .....OK
Comparing phyf000.nc .....OK
Comparing phyf006.nc .....OK
Comparing PRSLEV.GrbF00 .....OK
Comparing PRSLEV.GrbF06 .....OK
Comparing NATLEV.GrbF00 .....OK
Comparing NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 806.521345
The maximum resident set size (KB)     = 654140
```

```
Test thr regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:25m:33s. 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 919d16a6f935
Untagged: ci-test-weather:latest
Deleted: sha256:919d16a6f9356931ded942f3fcde98df192d115821d4e09d5a307e51a44cd176
Deleted: sha256:4002da140c778a40fa040e52268679236fb82413417434e86178675594089157
Deleted: sha256:858ca2f5c482b5a3cdb5329f5629ced6f8b7275bcb0400b3ff313a0bfd1baca9
Deleted: sha256:07a100cf0ace93a38c810d98a8bbd224e187dd4f2beb28119c4932ad045cd214
Deleted: sha256:75cba4ee6799cab15e1f2c450064b43dd77cfd6daa749645514fe189d9a74812
Deleted: sha256:63b264794da21717c5dd244b1a23daa32602fd8eaae69fc4a1b778a5811191e4
Deleted: sha256:1041cf92cd952939013044380037b7774e79fe6a1d9c4044fcc7777c767dcb3f
Deleted: sha256:384badf50ad540667e4f802843cdc5668d523b674f358aeea2e9a49c16d81adb
Deleted: sha256:d2ef8ca8d49c42c5113eaf8527aa916aec5de645116fdcde8f3c0cb0d1707da2
Deleted: sha256:15e4e883e41831686893f91ee4c82168633b0eaf412c4aa4c30eab00ee3f69ce
Deleted: sha256:9e5273e56e3dea46c112b2a18fbdd8bddda00dee371417ccee3f573d781c5fe2
Deleted: sha256:7212db088a1f3eadbe76d7e435b88aac5ec5596907bd00b470ac83a9d1c553a3
Deleted: sha256:9ed48525c1a514501dcdc09eb0acf4aa1d7550345b9b3daac65c7372cc127d12
Deleted: sha256:37f57d2f7e62171f18c4a3c36fe35dd4a909fc67935afa818d799a26ed22ef20
Deleted: sha256:59bb281888dd2a80e2d80cfd435f53700e2cf4dd1504f957fe64f140d28d588
Deleted: sha256:4f3d4aad83a4942c7c5ac2f18f08e35598b6a47e60a1b56c4b6dbe4aa228f56a
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
```

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
 Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
 Deleted: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c
 Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
 Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
 Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
 Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
 Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

```
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=          47
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nflld=          209 nrecout=          1108
PROCESS starts
```

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

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

Size of pset is: 112

datset is: GFSFLX

MXFLD is: 1200


```
size of lvlxml:      160500
size of post_avblflds param      112
in readxml. nfld=      112 nrecout=      121
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
```

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

```

      ient,iget =      1010      -1
'dcp'] reset of fraction_interval w      5  21600.0000
      reset of fraction_interval w      5  21600.0000
      reset of fraction_interval u      5  21600.0000
      reset of fraction_interval u      5  21600.0000
      reset of fraction_interval v      5  21600.0000
      reset of fraction_interval v      5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      219
sum num_post_afld :      219
allocate param to :      264
sum num_post_afld :      483
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      264
datset is: PRSLEV
MXFLD is:      1200
size of lvlxml:      241500
size of post_avblflds param      264
in readxml. nfld=      264 nrecout=      1084
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000

```

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

PROCESS CLDRAD done

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

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

PROCESS MDL2AGL done

PROCESS SURFCE done

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

PROCESS CLDRAD done

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

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

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

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

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

```
Checking test dcp regional_control results ....
```

```
Comparing dynf000.nc .....OK
Comparing dynf006.nc .....OK
Comparing phyf000.nc .....OK
Comparing phyf006.nc .....OK
Comparing PRSLEV.GrbF00 .....OK
Comparing PRSLEV.GrbF06 .....OK
Comparing NATLEV.GrbF00 .....OK
Comparing NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 765.142162
The maximum resident set size (KB)     = 638160
```

Test dcp regional_control PASS

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

```
Checking test std_base regional_control results ....
Moving baseline std_base regional_control files ....
```

```
Moving dynf000.nc .....OK
Moving dynf006.nc .....OK
Moving phyf000.nc .....OK
Moving phyf006.nc .....OK
Moving PRSLEV.GrbF00 .....OK
Moving PRSLEV.GrbF06 .....OK
Moving NATLEV.GrbF00 .....OK
Moving NATLEV.GrbF06 .....OK
```

```
The total amount of wall time           = 535.284948
The maximum resident set size (KB)     = 613644
```

Test std_base regional_control PASS


```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:24m:51s. 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 70a4a9e034e8
Untagged: ci-test-weather:latest
Deleted: sha256:70a4a9e034e8f84ce2d6f603302370761180b5a21c5523e54f63ae7fa7851fe2
Deleted: sha256:08ce02b976c0b07eaa99ea6abf244eac4af7ecc708adbbbec8ff128d8984403
Deleted: sha256:66b91d92edb3e9b27d6f42de9f6f9d23f4a9df2e9bffe959b822e9fbce274335
Deleted: sha256:95e7fb7efa0570163b2ef56c576545e7eb0caa8a250f134dc91b5ca82a53fffb
Deleted: sha256:c7336fb4c26db2c2a203495423058498bdc76132cc22b3ec9ca0b494d5f7661a
Deleted: sha256:76a5ab173b81befc1505e4c396114ce5fbe237584c37573410b3f83f04bcf388
Deleted: sha256:1e1bbdfe45e5caf9fbfd414816e99a5eb78ab2fb6ba347d1223f7a98828ba5cb
Deleted: sha256:b2fdecce52f26df1abe065fb04bf6b2362c729b2b1ce66011088bdd25e24ca91
Deleted: sha256:5a68e73949bf81fdef78d6a67f67f7d2fb644a990754273f01825e982e150e59
Deleted: sha256:a5b9ac25ab6f3671c88b56100a77c3cc32d7aaf206503f1039211893377d32aa
Deleted: sha256:a2e4e622dabe693ef520d28bbf5dcb84664b6102e099eabdd8a603701d5b4aed
Deleted: sha256:f758ef581510ff100cb90e22b7e4cf86020c021f9b53bc3921b10818052356ee
Deleted: sha256:44906603a8ed6058971f267515e7d0dd09b158dc03c52ccf197d4f330e621962
Deleted: sha256:13e63f09a02966be281751e74c561ed3445d8e6ae11c8d747a76852ae7ea40f6
Deleted: sha256:0daeee4bd47c39daaf7b45b51303c9762b5289ee118e95975c163ce7603eba3c
Deleted: sha256:93a3b9ef79dfd2c2c390cc781cbc802dafa079e02bb18a0d6fb4313eeee3329b
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
```

Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8

Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738

Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194

Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f

Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e

Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c

Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63

Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5

Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2

Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741

Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // node

[Pipeline] }

[Pipeline] // withEnv

[Pipeline] }

[Pipeline] // stage

[Pipeline] }

'dcp'] in readxml,bf readxml,size(post_avblflds%param)= 112

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 112

sum num_post_afld : 112

allocate param to : 209

sum num_post_afld : 321

in readxml, aft read flat file.xml,num_post_afld= 209

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

Size of pset is: 209

datset is: GFSPRS

MXFLD is: 1200

```
size of lvlxml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

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

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

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

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

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

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

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

```
Checking test dcp control_p8 results ....
```

```
Comparing sfcf000.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
```

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

The total amount of wall time = 669.297225

The maximum resident set size (KB) = 1435180

Test dcp_control_p8 PASS

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
Checking test std_base control_p8 results ....
Moving baseline std_base control_p8 files ....
Moving sfcf000.nc .....OK
```



```
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
```

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

```
The total amount of wall time           = 671.691498
The maximum resident set size (KB)     = 1433664
```

```
Test std_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:25m:34s. 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 16efb0c0b73d
```

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

```
Deleted: sha256:16efb0c0b73dce8f8ebc300d054420ba0a0a3703ffe0298ca1772f8956a7bb81
```

```
Deleted: sha256:df768ff4150ad6e898dc2dc89959f04c2147d6f867708c1c4bf21c10863a0f05
```

```
Deleted: sha256:d9ac534be0573f79b1b201b195326d43dca3c9ba90627d15e1f826631bbfc446
```

```
Deleted: sha256:0b3b8c461b01a60425cd2723c109e0f4bfead91c65f1b816b526d7eda2c087be
```

```
Deleted: sha256:5bf2deef39e9a37318aee564efe5ecba233da702f3403580323eeec9ad485353
```

```
Deleted: sha256:2ec74e320fb763fbfab6c52cde67a70ade512cf187f521bd82aa57ad8d16b480
Deleted: sha256:a6bfff021f240a47e7ea4d30070569f21e17042601b8854765137160f22a09815
Deleted: sha256:d31e0a93356e5f0fbae2ede48a31d36a9ae4cc6e745b6aa646b1e78890a0b07b
Deleted: sha256:28cd161d2cf28c9918cf3f871346505ff0f7615b1da01b34770f575688e41246
Deleted: sha256:08990826e0333b27acdb559ba5d25b17e6eff11d99f51474badf733bf0131311
Deleted: sha256:53482643f2ed0a228cca2f16ec27a14e47348554a369a1d0651e4b0431586306
Deleted: sha256:59f7391f41d0419192324afabccdf33913c3c3e841945a601b10b74b8c3b6669
Deleted: sha256:70453e0313922e2f854891e439eda40fe76a60d6bc6306213a5bb65f5849cbbf
Deleted: sha256:aa098610c69edbf438d3843f86123002bec54348fd3653191743527ae9b0a160
Deleted: sha256:c5269dabf7a8ba1d50df42ac436c4c9633daf620602633f3d6239fe4f35444c9
Deleted: sha256:582ce5dd504329f8fb7cf28888dd43fa5ee78aace319a49fbf116cf74f90cd77
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaabb30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:cdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
[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/20210322.090000.coupler.res .....OK
Moving RESTART/20210322.090000.fv_core.res.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile3.nc .....OK
```

Moving RESTART/20210322.090000.fv_srf_wnd.res.tile4.ncOK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile5.ncOK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile6.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile1.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile2.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile3.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile4.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile5.ncOK
Moving RESTART/20210322.090000.fv_tracer.res.tile6.ncOK
Moving RESTART/20210322.090000.phy_data.tile1.ncOK
Moving RESTART/20210322.090000.phy_data.tile2.ncOK
Moving RESTART/20210322.090000.phy_data.tile3.ncOK
Moving RESTART/20210322.090000.phy_data.tile4.ncOK
Moving RESTART/20210322.090000.phy_data.tile5.ncOK
Moving RESTART/20210322.090000.phy_data.tile6.ncOK
Moving RESTART/20210322.090000.sfc_data.tile1.ncOK
Moving RESTART/20210322.090000.sfc_data.tile2.ncOK
Moving RESTART/20210322.090000.sfc_data.tile3.ncOK
Moving RESTART/20210322.090000.sfc_data.tile4.ncOK
Moving RESTART/20210322.090000.sfc_data.tile5.ncOK
Moving RESTART/20210322.090000.sfc_data.tile6.ncOK
Moving RESTART/20210322.090000.MOM.res.ncOK
Moving RESTART/iced.2021-03-22-32400.ncOK
Moving RESTART/ufs.cpld.cpl.r.2021-03-22-32400.ncOK

The total amount of wall time = 1310.067652

The maximum resident set size (KB) = 1961680

Test dbg_base cpld_control_nowave_noaero_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:23m:29s. 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 048ffadbce80
Untagged: ci-test-weather:latest
Deleted: sha256:048ffadbce807ca138be42c502c8c4d028682af68202d1fc60d3f09f5643227c
Deleted: sha256:d30ad3f4f3a2e50a8d302aefc5365172ea787a735c9be6424de2a74be8e4239c
Deleted: sha256:2e3b4c38806ca6b063a8a75130253579a8429a301940e5b98baa39e008639dc8
Deleted: sha256:349b0cb40826a448a1ce18db89a3bbbed667a71c858078a076116ade35f6b95b5
Deleted: sha256:e73764f44d1f4e38fc82138cc01268f74182c3da357a58b4b30bc9f67bf7ff17
Deleted: sha256:14d2a37a2fad57240998d05c9c6bd9c049e22264aa70b51d5928b7d6cb45e5cf
Deleted: sha256:314a199dc5e031e8a37ba3d816d392f0b1c56d613ecad06ee778812cc6230025
Deleted: sha256:8c69a9da293805ab83cb29a488d6b7628ab78008a3e6d8ddb6b9a780b81d057
Deleted: sha256:0b86cf9f43d71dd8ecad9653ec3aca85d1b82328413944e7c97fe6264e9c3e4c
Deleted: sha256:3e9ab719d3b90d7fb114164b247c7347a8daa5745b729e62a8e0a4fcc6451c27
Deleted: sha256:44c7c413a94c3d649aae1e05ca2d0844f92493fc24a2c27cade0fe47f4fed3c7
Deleted: sha256:a4b077f6d7a2339532ff254855c3f894310183c8a35348218ae48afc1278c794
Deleted: sha256:2310a5f538ac4496f1024c0073ac3dae0c96857c4ec99495ac13800e8a25d82d
Deleted: sha256:107156fbafa47aee581b157426839e153dc88743eabd05b63b41577757da9f07
Deleted: sha256:fa5904256e3ed3a9ab94c5ca3c65a5fb38238163407084ae163417dc416a9d3d
Deleted: sha256:4384679b941198f2ed7e20fa01072309acb4d81725a867114573a166de1b568c
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
```

```

Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaaf30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }

```

```

'mpi'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108

```

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



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

Size of pset is: 112

datset is: GFSFLX

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

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

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

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

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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

PROCESS done

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

```

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

```

```

'mpi'] in readxml,bf readxml,size(post_avblflds%param)=      47
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      112
sum num_post_afld :      112
allocate param to :      209
sum num_post_afld :      321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      209
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      160500
size of post_avblflds param      209

```



```
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

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

Size of pset is: 112

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

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

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

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

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

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

Checking test mpi control_p8 results

```
Comparing sfcf000.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
```

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

```
The total amount of wall time           = 942.606310
The maximum resident set size (KB)     = 1570664
```

Test mpi control_p8 PASS

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
Checking test std_base control_p8 results ....
Moving baseline std_base control_p8 files ....
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
```

```
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
```

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

```
The total amount of wall time           = 661.914532
The maximum resident set size (KB)     = 1433320
```

```
Test std_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:29m:56s. 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 959dfc6a282a
```

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

```
Deleted: sha256:959dfc6a282a06c2d11da8c5e91758b2d800767b42e7e8f62f49bffa65a68097
```

```
Deleted: sha256:e21ae549854b7109534a6e97b46c1e5a29352d356562ac7b4f76040af4a9debd
```

```
Deleted: sha256:2e739f14d1de661e1666d43afab9bb8e438f0a6ed5d560c0f6f50882017ee05e
```

```
Deleted: sha256:5a2735a711538001e076e5ab36112407f447a74701cf7dc50141d5d312d2d1fc
```

```
Deleted: sha256:a0a24dd6b4e88d26bb6c0422262367110282285b17f1e46ea8c1dc5ddd192e4b
```

```
Deleted: sha256:c7ef383570e076312e2935be889851798c8d73864470ea3f12bb2ef351a2b0b4
```

```
Deleted: sha256:1947493c3843953a40db946a076df16d60a7c62d73292eb917191748569a0dbd
```



```
Deleted: sha256:e6e0c6116c5bf63377168060fbb75d8eec42cc4e329ccde20d51110ee01f7040
Deleted: sha256:9d8c59fec707dab4cd6ed50d252922355801d34e0bff1ebaf01dc3f239ec6291
Deleted: sha256:3b135eb22f1cf34a3519b1b27edfb9db800b0634de064d7cc670fedeac02b4ac
Deleted: sha256:29b8c250cecc1c33b11a4e959cb016c0910fff88c50d44e99345ed2c834d8ffbf
Deleted: sha256:4fd87a95dc8c35db21b9835eb7c8329b68442225f004c03fb428c6df88195d8
Deleted: sha256:7e29571ed300bdaddf7cc80acfe065ded39046fff3ef5281d2dc1194878e12f5c
Deleted: sha256:7ee19dc24ca96436710c5a8b5361c6f4c3c7bdbc30827221f3cdc0bb5760b193
Deleted: sha256:97eb5095b65dc88744782efb3293a7cb2e4643d9ff720b11e7c454f20014285c
Deleted: sha256:e80ce53489f85465d0a8d1357097c561936975e2fc1d07a0887bbf47a46cba11
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
```

```
[Pipeline] // stage
[Pipeline] }
'rst'] Running test for rst
    THRD: 1; INPES: 2; JNPES: 2; TPN: 40
++ mpiexec -n 80 ./fv3.exe
(MOM_cap:InitializeAdvertise)current time: y,m,d-      2021      3      22 h,m,s=      18      0
0
(MOM_cap:InitializeAdvertise)start time: y,m,d-      2021      3      22 h,m,s=      6      0
0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
'thr'] in readxml,bf readxml,size(post_avblflds%param)=           112
xml_perl_data read Post flat file
allocate paramset to :           2
allocate param to :           112
sum num_post_afld :           112
allocate param to :           209
sum num_post_afld :           321
in readxml, aft read flat file.xml,num_post_afld=           209
```

```
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
dataset is: GFSPRS
MXFLD is:          1200
size of lvl$xml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
PROCESS done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
```

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

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

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

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

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

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
Checking test std_base control_p8 results ....
Moving baseline std_base control_p8 files ....
```

```
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
```


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

The total amount of wall time = 684.095215
The maximum resident set size (KB) = 1438632

Test std_base control_p8 PASS

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

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_thr

Checking test thr control_p8 results

Comparing sfcf000.ncOK

Comparing sfcf021.ncOK

Comparing sfcf024.ncOK

Comparing atmf000.ncOK

Comparing atmf021.ncOK

Comparing atmf024.ncOK

Comparing GFSFLX.GrbF00OK

Comparing GFSFLX.GrbF21OK

Comparing GFSFLX.GrbF24OK

Comparing GFSPRS.GrbF00OK

Comparing GFSPRS.GrbF21OK

Comparing GFSPRS.GrbF24OK

Comparing RESTART/20210323.060000.coupler.resOK

Comparing RESTART/20210323.060000.fv_core.res.ncOK

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

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

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

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

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

Comparing RESTART/20210323.060000.fv_core.res.tile6.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile1.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile2.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile3.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile4.ncOK

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

```
The total amount of wall time           = 921.005472
The maximum resident set size (KB)     = 1711796
```

Test thr control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:29m:55s. Have a nice day!

opnReqTest finished

'rst'] Using non-aerosol-aware version of Thompson microphysics

[Pipeline] }

[Pipeline] // stage

'rst'] 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

```
Post stage
[Pipeline] sh
'thr'] ++ docker image ls
++ grep -E -m1 ci-test-weather
++ awk '{ print $3 }'
+ docker rmi -f a752c0b84eb8
Untagged: ci-test-weather:latest
Deleted: sha256:a752c0b84eb8ba066bef48c17e5a9486d00512f63b138fdbeb68ce676981db4e
Deleted: sha256:bb4c7ef43066973ebdc463dfb3fd9a1f76b9fe01b744fcbdbc7c9d8b06700b8c
Deleted: sha256:48c646bf8cee099d44a8a02cb4eac3f176a503f63de404ec6265a5508878820a
Deleted: sha256:750303527349203d8d8716a1bc9f997a47898e17951272a535150b9bda0cedba
Deleted: sha256:9e5e0e868d8df058247fd7c8b2a1d22bc1445c2b8027c051c69a496d79601d67
Deleted: sha256:202aef1f4cab1fade5c715ee8eb997aca03ee26a8533e1a7a9bace6e574fbe27
Deleted: sha256:2bb6b11edaa0737620a0a5f608b1d2547def78bed7605985de844e16d23b68ce
Deleted: sha256:fd37cdc48071b444fbe7f5c54a8ee3cf5b761948384bdea4e85d2c176e0048c7
Deleted: sha256:e6e53ad9284aaa8caa3b8ab444211f8eb0ea4a53cf2238c75de71cbd14ee4bf2
Deleted: sha256:ffd764a6cf0fb81b2df06f850b8f3d0ac6cb2f89cd6fb1e62cdc6aaa8c6ac079
Deleted: sha256:3355625f3230162259e40e3e1d6fdfa4b6c1545c94dbbb0edbea48c4a53dd497
Deleted: sha256:7cc5b4bbf97e3134aa01c8b66abbf43dab77d520e2564b93fc22208e5f04f4e5
Deleted: sha256:45946d4ae0c899afdc5368725fbdd4b2b8d71625c98f3647ea3bbdfcb3909b14
Deleted: sha256:fa1d4ff06062c492056eac611d4ff3553769e2be372cbaa35ab24ed5fab8df97
Deleted: sha256:9b931fbab5706faa8b5c4856228561cf7346d8d00cfb7377374c0b466c6e921d
Deleted: sha256:a791aead48e2b63ee65897a0274f5508eefb57ca49bd821fb072b56c977234da
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
```

```
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4fff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
```

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base
```

```
working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_8/cpld_control_nowave_noaero_p8_rst
```

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

```
Comparing RESTART/20210323.060000.MOM.res.nc .....OK
```

```
Comparing RESTART/20210323.060000.coupler.res .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
```

```
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Comparing RESTART/iced.2021-03-23-21600.nc .....OK
Comparing RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
Comparing atmf024.tile1.nc .....OK
Comparing atmf024.tile2.nc .....OK
Comparing atmf024.tile3.nc .....OK
Comparing atmf024.tile4.nc .....OK
Comparing atmf024.tile5.nc .....OK
Comparing atmf024.tile6.nc .....OK
Comparing sfcf024.tile1.nc .....OK
Comparing sfcf024.tile2.nc .....OK
Comparing sfcf024.tile3.nc .....OK
Comparing sfcf024.tile4.nc .....OK
```

Comparing sfcf024.tile5.ncOK

Comparing sfcf024.tile6.ncOK

The total amount of wall time = 723.920244

The maximum resident set size (KB) = 1448848

Test rst cpld_control_nowave_noaero_p8 PASS

baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_8/cpld_control_nowave_noaero_p8_std_base

Checking test std_base cpld_control_nowave_noaero_p8 results

Moving baseline std_base cpld_control_nowave_noaero_p8 files

Moving sfcf021.tile1.ncOK

Moving sfcf021.tile2.ncOK

Moving sfcf021.tile3.ncOK

Moving sfcf021.tile4.ncOK

Moving sfcf021.tile5.ncOK

Moving sfcf021.tile6.ncOK

Moving atmf021.tile1.ncOK

Moving atmf021.tile2.ncOK

Moving atmf021.tile3.ncOK

Moving atmf021.tile4.ncOK

Moving atmf021.tile5.ncOK

Moving atmf021.tile6.ncOK

Moving sfcf024.tile1.ncOK

Moving sfcf024.tile2.ncOK

Moving sfcf024.tile3.ncOK

Moving sfcf024.tile4.ncOK

Moving sfcf024.tile5.ncOK

Moving sfcf024.tile6.ncOK

Moving atmf024.tile1.ncOK

Moving atmf024.tile2.ncOK

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



```
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Moving RESTART/20210323.060000.MOM.res.nc .....OK
Moving RESTART/iced.2021-03-23-21600.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
```

```
The total amount of wall time           = 1430.256844
The maximum resident set size (KB)     = 1955608
```

```
Test std_base cpld_control_nowave_noaero_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:39m:33s. Have a nice day!
```

```
opnReqTest finished
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

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

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

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

```
+ docker rmi -f 4ee0b09ba88d
```

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

```
Deleted: sha256:4ee0b09ba88d865e0fb3c32f0feec2633f525494b0994706e0502d1522acb2e3
```

```
Deleted: sha256:f45f964d15764a9ccb6dc51139493aeada1d04416ddafa4f813f6b711a23c858
```

```
Deleted: sha256:febcc54ebdd231a2c01aa507d847201a52b3f6986d9cd6d04310a24f37f8d7d0
```

```
Deleted: sha256:6fa71975f253de69da5fec182300404943eedd607dab5189a50932e2e2e3a457
```

```
Deleted: sha256:c2897758ea059f64bf28376e63144486e6b367a71f6c2795c5678f328f576255
```

```
Deleted: sha256:d20cb40b5852c491151b258d309f9e49f7ef76657fa579278d9532e39282bd8b
```

```
Deleted: sha256:e68ed8bb0ee1915f21efd6f786bd29cc406d836b357b56472c923a28004086cb
```

```
Deleted: sha256:aba6096453a32081d446b7fa26bd96c723d5aad9b623476a280f73c8aef905c5
```

```
Deleted: sha256:795bb437174c127a67fdaab24697b159894763a64a886a480218fb79d2f39db1
```

```
Deleted: sha256:22e8f0e7ec73245e11434d23adc4acc377c840e00493e4b171ed307028e244c0
Deleted: sha256:c557e172ea4a1df78917c3836e4cdcd4996e20d7b0477f5ed68c74cc910806e4
Deleted: sha256:1192bdf135b65bfb3f1e2b6ac369656fea3e8a3768719333b62e2da4da195596
Deleted: sha256:509d83631b43ec1011a82376c793cef31e972615c825060c94e7dc17c1771be0
Deleted: sha256:209b059dc968b0ad950f54fc3c53dc086c16f0f568aa0fc878293f6ef73485d8
Deleted: sha256:060cac5aa80dae1e38acbd2e4004685a8e780053e42b535f9f5c7ad4262228bf
Deleted: sha256:6fa8036d76b0255eb228d6f70e0683469f72f092ca3c2be28a5a74b420815942
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 1920f81f6556
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
Untagged: noaaepic/ubuntu20.04-gnu9.3-hpc-stack@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Deleted: sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738
Deleted: sha256:d91d700fe046d8b5dca3b82d589783b859fa1d0f59b40b5c92554d25cbf68acc
Deleted: sha256:5b27180194225db246c7f38ae95fd1e3ed42abfa879c99a994e23184bce24194
Deleted: sha256:00cea692fd3d2f6b60f8530cf7603cb35aae6c603e6e4499befcd760adffcb5f
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598addd5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
```

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

GitHub has been notified of this commit's build result

Finished: SUCCESS

Jenkins 2.375.2