














-  Status
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Console Output

Branch indexing

15:43:44 Connecting to <https://api.github.com> using epic-cicd-jenkins/***** (GitHub account for Jenkins)

Obtained tests/ci/Jenkinsfile from f8fe8faaafb640a49f010b47be51b96886e0208e+74ec1da74ee8a4fdf2989f7d43e6c775559ce284
(9c5a76750ae574307b372de6f660da0e9765c12c)

[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
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'thr'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'mpi'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'dcp'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'dcp'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'rst'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'rst'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'bit'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'dbg'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'dbg'] Still waiting to schedule task
      'EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-09d51f9b3af23baf1)' is offline
'thr'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0b5d288f93cedfa24) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
'dcp'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-06529b762aa0c85c4) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
'mpi'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-042570b9c55801ef3) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
      [Pipeline] {
'thr'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0d296f64142294801) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
      [Pipeline] {
```

```
[Pipeline] {  
[Pipeline] {  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] stage  
[Pipeline] { (Initialize)  
[Pipeline] stage  
[Pipeline] { (Initialize)  
[Pipeline] stage  
[Pipeline] { (Initialize)  
[Pipeline] stage  
[Pipeline] { (Initialize)  
[Pipeline] cleanWs  
[Pipeline] cleanWs  
'thr'] [WS-CLEANUP] Deleting project workspace...  
[WS-CLEANUP] Deferred wipeout is used...  
[Pipeline] cleanWs  
'dcp'] [WS-CLEANUP] Deleting project workspace...  
[WS-CLEANUP] Deferred wipeout is used...  
[Pipeline] cleanWs  
'mpi'] [WS-CLEANUP] Deleting project workspace...  
[WS-CLEANUP] Deferred wipeout is used...  
'thr'] [WS-CLEANUP] done  
'dcp'] [WS-CLEANUP] done  
[Pipeline] checkout  
'thr'] [WS-CLEANUP] Deleting project workspace...  
[WS-CLEANUP] Deferred wipeout is used...
```

```
'mpi'] [WS-CLEANUP] done
'thr'] [WS-CLEANUP] done
      [Pipeline] checkout
      [Pipeline] checkout
'thr'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'dcp'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'mpi'] 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
'dcp'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-022eba53371ee201a) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
      [Pipeline] {
      [Pipeline] withEnv
      [Pipeline] {
'rst'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-096beaf74ef0b141c) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
      [Pipeline] {
      [Pipeline] stage
      [Pipeline] { (Initialize)
      [Pipeline] withEnv
      [Pipeline] {
      [Pipeline] stage
      [Pipeline] { (Initialize)
      [Pipeline] cleanWs
      [Pipeline] cleanWs
'dcp'] [WS-CLEANUP] Deleting project workspace...
      [WS-CLEANUP] Deferred wipeout is used...
'rst'] [WS-CLEANUP] Deleting project workspace...
      [WS-CLEANUP] Deferred wipeout is used...
'dcp'] [WS-CLEANUP] done
      [Pipeline] checkout
'rst'] [WS-CLEANUP] done
'dcp'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
```

```
[Pipeline] checkout
'rst'] 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-0f0f31d542bcfb356) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
[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
'bit'] Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0d5a3675f351ad6ca) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'bit'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] checkout
'bit'] 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-09d51f9b3af23baf1) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
```

```
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'dbg' [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] checkout
'dbg' The recommended git tool is: /usr/local/git-2.38.0/bin/git
'rst' using credential GitHubJenkins
'dbg' Running on EC2 (NOAA Cloud) - EPIC CentOS 7 Docker UFS WM CI (i-0a80ee2386228a297) in /home/maintuser/workspace/odel_ort-
docker-pipeline_PR-1597
[Pipeline] {
'rst' Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'thr' using credential GitHubJenkins
'mpi' using credential GitHubJenkins
'dbg' [WS-CLEANUP] Deleting project workspace...
'thr' Cloning the remote Git repository
'dbg' [WS-CLEANUP] Deferred wipeout is used...
'thr' Cloning with configured refspecs honoured and without tags
'dcp' using credential GitHubJenkins
'mpi' Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'thr' using credential GitHubJenkins
'dcp' using credential GitHubJenkins
'dcp' 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
'dcp'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'dbg'] [WS-CLEANUP] done
[Pipeline] checkout
'dbg'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
'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-1597 # timeout=10
'mpi'] 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-1597 # timeout=10
'thr'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
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> /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597 # timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'dcp'] Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
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> 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
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> /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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'dcp'] Fetching upstream changes from https://github.com/ufs-community/ufs-weather-model.git
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> git --version # 'git version 2.38.0'
using GIT_ASKPASS to set credentials GitHub account for Jenkins
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+refs/pull/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'thr'] 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/1597/head:refs/remotes/origin/PR-1597 +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/1597/head:refs/remotes/origin/PR-1597 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 #
timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 #
```

```
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 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/1597/head:refs/remotes/origin/PR-1597 #
timeout=10
  > /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch +refs/heads/develop:refs/remotes/origin/develop #
timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 #
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 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/1597/head:refs/remotes/origin/PR-1597 #
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'] 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-1597 # 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'rst'] Fetching without tags
'thr'] Fetching without tags
'mpi'] Fetching without tags
'thr'] Fetching without tags
```

```
'mpi'] > /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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'rst'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
'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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
'thr'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
'mpi'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
'dcp'] Fetching without tags
'dcp'] Fetching without tags
'rst'] Merge succeeded, producing f8fe8faaafb640a49f010b47be51b96886e0208e
Checking out Revision f8fe8faaafb640a49f010b47be51b96886e0208e (PR-1597)
'dcp'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
'thr'] Merge succeeded, producing f8fe8faaafb640a49f010b47be51b96886e0208e
'mpi'] Merge succeeded, producing f8fe8faaafb640a49f010b47be51b96886e0208e
'thr'] Checking out Revision f8fe8faaafb640a49f010b47be51b96886e0208e (PR-1597)
'mpi'] Checking out Revision f8fe8faaafb640a49f010b47be51b96886e0208e (PR-1597)
```

```
'thr'] Merge succeeded, producing f8fe8faafb640a49f010b47be51b96886e0208e
      Checking out Revision f8fe8faafb640a49f010b47be51b96886e0208e (PR-1597)
'bit'] using credential GitHubJenkins
'dcp'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
      f8fe8faafb640a49f010b47be51b96886e0208e
'bit'] Cloning the remote Git repository
      Cloning with configured refspecs honoured and without tags
      Cloning repository https://github.com/ufs-community/ufs-weather-model.git
'dcp'] Merge succeeded, producing f8fe8faafb640a49f010b47be51b96886e0208e
      Checking out Revision f8fe8faafb640a49f010b47be51b96886e0208e (PR-1597)
'dcp'] Merge succeeded, producing f8fe8faafb640a49f010b47be51b96886e0208e
      Checking out Revision f8fe8faafb640a49f010b47be51b96886e0208e (PR-1597)
'rst'] > /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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faafb640a49f010b47be51b96886e0208e # timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faaafb640a49f010b47be51b96886e0208e # timeout=10
'rst'] Commit message: "add hera.gnu RT log: passed"
First time build. Skipping changelog.
'mpi'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f f8fe8faaafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faaafb640a49f010b47be51b96886e0208e # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f f8fe8faaafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faaafb640a49f010b47be51b96886e0208e # timeout=10
'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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faafb640a49f010b47be51b96886e0208e # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faafb640a49f010b47be51b96886e0208e # timeout=10
Commit message: "add hera.gnu RT log: passed"
'thr'] Commit message: "add hera.gnu RT log: passed"
'mpi'] Commit message: "add hera.gnu RT log: passed"
'bit'] > /usr/local/git-2.38.0/bin/git init /home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597 # 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'dcp'] Commit message: "add hera.gnu RT log: passed"
'dcp'] Commit message: "add hera.gnu RT log: passed"
'dbg'] 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 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.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.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 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-1597 # 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'mpi'] > /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.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.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.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.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
'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/1597/head:refs/remotes/origin/PR-1597 #
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'] 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-1597 # 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/1597/head:refs/remotes/origin/PR-1597 #
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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
Merge succeeded, producing f8fe8faaafb640a49f010b47be51b96886e0208e
Checking out Revision f8fe8faaafb640a49f010b47be51b96886e0208e (PR-1597)
> /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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
'bit'] Fetching without tags
'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/1597/head:refs/remotes/origin/PR-1597 #
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'] 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/1597/head:refs/remotes/origin/PR-1597 +refs/heads/develop:refs/remotes/origin/develop # timeout=10
'bit'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faafb640a49f010b47be51b96886e0208e
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Checking out Revision f8fe8faafb640a49f010b47be51b96886e0208e (PR-1597)
> /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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
'rst'] Commit message: "add hera.gnu RT log: passed"
> /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f f8fe8faaafb640a49f010b47be51b96886e0208e # 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
> /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.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
'bit'] Commit message: "add hera.gnu RT log: passed"
'dbg'] Fetching without tags
'bit'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f f8fe8faaafb640a49f010b47be51b96886e0208e # 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
> /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.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
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'dbg'] Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
Merge succeeded, producing f8fe8faaafb640a49f010b47be51b96886e0208e
Checking out Revision f8fe8faaafb640a49f010b47be51b96886e0208e (PR-1597)
'rst'] > /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/1597/head:refs/remotes/origin/PR-1597 #
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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faaafb640a49f010b47be51b96886e0208e # 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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faaafb640a49f010b47be51b96886e0208e # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'dbg'] Commit message: "add hera.gnu RT log: passed"
'dbg'] Fetching without tags
```

```
Merging remotes/origin/develop commit 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 into PR head commit
f8fe8faaafb640a49f010b47be51b96886e0208e
```

```
> /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/1597/head:refs/remotes/origin/PR-1597 +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 f8fe8faaafb640a49f010b47be51b96886e0208e # timeout=10
```

```
'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.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'] Merge succeeded, producing f8fe8faafb640a49f010b47be51b96886e0208e
Checking out Revision f8fe8faafb640a49f010b47be51b96886e0208e (PR-1597)
Commit message: "add hera.gnu RT log: passed"
> /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 74ec1da74ee8a4fdf2989f7d43e6c775559ce284 # 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 f8fe8faafb640a49f010b47be51b96886e0208e # 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
> /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.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 submodule update --init --recursive FV3 # timeout=10
> /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 FV3 # timeout=10
> /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 FV3 # timeout=10
> /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 FV3 # timeout=10
> /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 stochastic_physics # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
> /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 FV3 # timeout=10
```

```
> /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 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
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
> /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
'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
'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
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # 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 FV3 # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'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
'dbg'] > /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 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 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
'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 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
'dbg'] > /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
'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
'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
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-interface/HYCOM # 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 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 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 CICE-interface/CICE # timeout=10
'dcp'] > /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 submodule update --init --recursive CICE-interface/CICE # 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 MOM6-interface/MOM6 # timeout=10
'dcp'] > /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
'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 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 CDEPS-interface/CDEPS # timeout=10
'bit'] > /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 submodule update --init --recursive CICE-interface/CICE # timeout=10
'mpi'] > /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
'rst'] > /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 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 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 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 --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 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
'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
'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 NOAHMP-interface/noahmp # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'rst'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
'dbg'] > /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] }
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] sh
'thr'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] sh
'mpi'] > /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 AQM # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'dcp'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
[Pipeline] // stage
```

```
[Pipeline] stage
[Pipeline] { (Build)
[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-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
[Pipeline] sh
'thr'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
'mpi'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
'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
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # 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 --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] { (Build)
[Pipeline] sh
'dcp'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] }
[Pipeline] // stage
```

```
[Pipeline] }
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # timeout=10
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] stage
'bit'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
[Pipeline] { (Build)
[Pipeline] sh
'thr'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
'rst'] > /usr/local/git-2.38.0/bin/git --version # timeout=10
> git --version # 'git version 2.38.0'
[Pipeline] sh
[Pipeline] }
[Pipeline] }
[Pipeline] // stage
'dbg'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --file
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[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-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
[Pipeline] sh
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-interface/noahmp # 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-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
'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 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-1597/tests/ci/Dockerfile --tag ci-test-weather
/home/maintuser/workspace/odel_ort-docker-pipeline_PR-1597
'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

109d28d95157: Waiting

7ceaea8da3ed: Waiting

9fe62363807c: Waiting

112c159de4df: Waiting

c46471bef5ab: Waiting

a6d2877f8486: Waiting

b327d3abd2a7: Waiting

57671312ef6f: Verifying Checksum

57671312ef6f: Download complete

5e9250ddb7d0: Download complete

345e3491a907: Verifying Checksum

345e3491a907: Download complete
109d28d95157: Download complete
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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
c46471bef5ab: Waiting
112c159de4df: Pulling fs layer
b327d3abd2a7: Waiting
7ceaea8da3ed: Waiting
9fe62363807c: Waiting
a6d2877f8486: Waiting
112c159de4df: Waiting
109d28d95157: 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

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'dbg'] b327d3abd2a7: Verifying Checksum
      b327d3abd2a7: Download complete
      345e3491a907: Pull complete
'thr'] b327d3abd2a7: Verifying Checksum
      b327d3abd2a7: Download complete
'rst'] Sending build context to Docker daemon 159.2MB
```

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

```
345e3491a907: Pulling fs layer
```

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57671312ef6f: Pulling fs layer
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5e9250ddb7d0: Pulling fs layer
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c46471bef5ab: Pulling fs layer
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b327d3abd2a7: Pulling fs layer
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109d28d95157: Pulling fs layer
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7ceaea8da3ed: Pulling fs layer
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```
9fe62363807c: Pulling fs layer
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```
a6d2877f8486: Pulling fs layer
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```
112c159de4df: Pulling fs layer
```

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

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

```
'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
c46471bef5ab: Waiting
```

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



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109d28d95157: Download complete
'bit'] 5e9250ddb7d0: Verifying Checksum
5e9250ddb7d0: Download complete
'rst'] 9fe62363807c: Verifying Checksum
9fe62363807c: Download complete
112c159de4df: Verifying Checksum
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

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

c46471bef5ab: Waiting

b327d3abd2a7: Waiting

a6d2877f8486: Waiting

109d28d95157: Waiting

112c159de4df: Waiting

7ceaea8da3ed: Waiting

9fe62363807c: Waiting

5e9250ddb7d0: Verifying Checksum

5e9250ddb7d0: Download complete

57671312ef6f: Verifying Checksum

57671312ef6f: 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

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7ceaea8da3ed: Pulling fs layer
9fe62363807c: Pulling fs layer
a6d2877f8486: Pulling fs layer
112c159de4df: Pulling fs layer
7ceaea8da3ed: Waiting
9fe62363807c: Waiting
109d28d95157: Waiting
a6d2877f8486: Waiting
c46471bef5ab: Waiting
b327d3abd2a7: Waiting
112c159de4df: Waiting
5e9250ddb7d0: Verifying Checksum
5e9250ddb7d0: Download complete
'rst'] Sending build context to Docker daemon 159.2MB

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

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7ceaea8da3ed: Pull complete
'dbg'] c46471bef5ab: Verifying Checksum
c46471bef5ab: Download complete
'mpi'] 9fe62363807c: Pull complete
a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'dbg'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'rst'] c46471bef5ab: Pull complete
'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'] c46471bef5ab: Pull complete
'dbg'] c46471bef5ab: Pull complete
'rst'] b327d3abd2a7: Pull complete
'dbg'] a6d2877f8486: Verifying Checksum
a6d2877f8486: Download complete
'thr'] b327d3abd2a7: Pull complete
109d28d95157: Pull complete
7ceaea8da3ed: Pull complete
9fe62363807c: Pull complete
'rst'] 109d28d95157: Pull complete
7ceaea8da3ed: Pull complete
'dcp'] 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"]
'rst'] 9fe62363807c: Pull complete
```

```
'dbg'] b327d3abd2a7: Pull complete
      109d28d95157: Pull complete
      7ceaea8da3ed: Pull complete
      9fe62363807c: Pull complete
'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'] ---> Running in 917a61188d4c
      Removing intermediate container 917a61188d4c
    ---> ca4d07b1fc6a
Step 3/16 : ENV HOME=/home/builder
    ---> Running in cec2c7adbd86
      Removing intermediate container cec2c7adbd86
    ---> 1d075db43fef
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dcp'] ---> Running in 139091f72550
      Removing intermediate container 139091f72550
    ---> 19948b5fc608
Step 3/16 : ENV HOME=/home/builder
    ---> Running in 1b00b902da1e
      Removing intermediate container 1b00b902da1e
    ---> 6389443b457a
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'rst'] ---> Running in 991e2c330f10
      Removing intermediate container 991e2c330f10
    ---> a05616fa0bf0
Step 3/16 : ENV HOME=/home/builder
    ---> Running in 41bad98781e3
      Removing intermediate container 41bad98781e3
    ---> 8c4400e65e15
```

```
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'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"]
'bit'] ---> Running in bafdf45ddede
Removing intermediate container bafdf45ddede
---> 207246e961bc
Step 3/16 : ENV HOME=/home/builder
---> Running in b7e0c3340dee
Removing intermediate container b7e0c3340dee
---> 9e52143e04b9
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'thr'] 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"]
'dcp'] ---> Running in e624814bb41d
Removing intermediate container e624814bb41d
---> 65691d06f925
Step 3/16 : ENV HOME=/home/builder
---> Running in be2862ef90ce
Removing intermediate container be2862ef90ce
```

```
    ---> 058830fd03b1
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'rst'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
    ---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'dbg'] a6d2877f8486: Pull complete
112c159de4df: Pull complete
Digest: sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
Status: Downloaded newer image for noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
    ---> 1920f81f6556
Step 2/16 : CMD ["/bin/bash"]
'dcp'] ---> 571af35ea979
Step 5/16 : USER builder
    ---> Running in 2e234a8d1572
Removing intermediate container 2e234a8d1572
    ---> 4ba5ebb040c1
Step 6/16 : ENV USER=builder
    ---> Running in ccc04d5a71b6
Removing intermediate container ccc04d5a71b6
    ---> d74d2662b386
Step 7/16 : ARG test_name
    ---> Running in b410c6addb8b
Removing intermediate container b410c6addb8b
    ---> 24a9d9cb7c74
Step 8/16 : ARG run_case
    ---> Running in b47396e7d495
Removing intermediate container b47396e7d495
    ---> b37a9578cf78
Step 9/16 : ENV test_name=$test_name
    ---> Running in 07bf41f66e93
```

Removing intermediate container 07bf41f66e93

---> 8e09c33472ec

Step 10/16 : ENV run_case=\$run_case

---> Running in 493af5005626

Removing intermediate container 493af5005626

---> d09d22438cf3

Step 11/16 : ENV CI_TEST=true

---> Running in ef931ac853a1

Removing intermediate container ef931ac853a1

---> 4ea55d73ffd1

Step 12/16 : ENV RT_COMPILER=gnu

---> Running in 3c4d1558697e

Removing intermediate container 3c4d1558697e

---> a8ac79553cc0

Step 13/16 : ENV RT_MACHINE=linux

---> Running in 37dd70b52d8c

Removing intermediate container 37dd70b52d8c

---> 2ffd8960d000

Step 14/16 : ENV MACHINE_ID=linux

---> Running in 70d3fdbd5f6a

Removing intermediate container 70d3fdbd5f6a

---> f2bb0ee03000

Step 15/16 : WORKDIR \$HOME/ufs-weather-model/tests

---> Running in 7d00254a328d

Removing intermediate container 7d00254a328d

---> 53b15ef5f961

Step 16/16 : CMD ./opnReqTest -n \$test_name -c \$run_case

---> Running in 65633c68f52c

Removing intermediate container 65633c68f52c

---> edbab01f3e22

[Warning] One or more build-args [build_case] were not consumed

'thr'] ---> 32a2fc6b2d65

Step 5/16 : USER builder


```
---> Running in 1be3a7e69a94
Removing intermediate container 1be3a7e69a94
---> 3d7654e3338e
Step 6/16 : ENV USER=builder
---> Running in f1fec522bd9e
Removing intermediate container f1fec522bd9e
---> 38d139507416
Step 7/16 : ARG test_name
---> Running in 7a6520bfefed
Removing intermediate container 7a6520bfefed
---> c32e4966f348
Step 8/16 : ARG run_case
---> Running in 27570e154429
Removing intermediate container 27570e154429
---> cedb6feca967
Step 9/16 : ENV test_name=$test_name
---> Running in 80d8215fc045
Removing intermediate container 80d8215fc045
---> 9627676a42aa
Step 10/16 : ENV run_case=$run_case
---> Running in 70da09b0dd79
Removing intermediate container 70da09b0dd79
---> 617dd3f7e7b3
Step 11/16 : ENV CI_TEST=true
---> Running in d39bbdc4678c
Removing intermediate container d39bbdc4678c
---> d3ad14e45f8c
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 90fd053f8e0c
Removing intermediate container 90fd053f8e0c
---> 9d0ee9162dfa
Step 13/16 : ENV RT_MACHINE=linux
---> Running in 40b3416d04a9
```

```
Removing intermediate container 40b3416d04a9
---> 2c7497af1dd9
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 0aafdb5a1842
Removing intermediate container 0aafdb5a1842
---> 7b331570498e
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in f3552a385bcd
Removing intermediate container f3552a385bcd
---> cdd50b43ef2b
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
---> Running in 7d5a081453f1
Removing intermediate container 7d5a081453f1
---> 9acfd6faf25e
[Warning] One or more build-args [build_case] were not consumed
Successfully built 9acfd6faf25e
Successfully tagged ci-test-weather:latest
'dcp'] Successfully built edbab01f3e22
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
[Pipeline] sh
'rst'] ---> fb575c5ce532
Step 5/16 : USER builder
---> Running in 04cf7890f2a9
Removing intermediate container 04cf7890f2a9
```

```
    ---> 4873abcf4180
Step 6/16 : ENV USER=builder
    ---> Running in 3d170969c735
Removing intermediate container 3d170969c735
    ---> 0345ec5b3374
Step 7/16 : ARG test_name
    ---> Running in e0f14e6376c6
Removing intermediate container e0f14e6376c6
    ---> f374c60b4b86
Step 8/16 : ARG run_case
    ---> Running in af4eb533f267
'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
'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'] Removing intermediate container af4eb533f267
    ---> 9e9f8042ef5e
Step 9/16 : ENV test_name=$test_name
    ---> Running in 3ef73d8c935b
Removing intermediate container 3ef73d8c935b
    ---> 2dc8403e1d4c
Step 10/16 : ENV run_case=$run_case
    ---> Running in 469e1dc44e13
Removing intermediate container 469e1dc44e13
    ---> 2fbecf9d1bea
Step 11/16 : ENV CI_TEST=true
```

```
    ---> Running in 8446c83a3220
'thr'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'dcp'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'rst'] Removing intermediate container 8446c83a3220
    ---> d5cfb22349ed
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in d49e9a752ac2
Removing intermediate container d49e9a752ac2
    ---> 9f5e8e9389ab
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 2654fe6e7f19
Removing intermediate container 2654fe6e7f19
    ---> cbf6661fa5cd
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in 298daa9dc661
Removing intermediate container 298daa9dc661
    ---> afde3d1eea95
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in c25ff4abbbf1d
Removing intermediate container c25ff4abbbf1d
    ---> fd12ec3e8040
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in 64e826b9f7d9
Removing intermediate container 64e826b9f7d9
    ---> 1b7eb5b6ca31
[Warning] One or more build-args [build_case] were not consumed
```

```
Successfully built 1b7eb5b6ca31
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'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
'dbg'] ---> Running in b91f42330f9c
Removing intermediate container b91f42330f9c
---> 4e9fa2bc8b09
Step 3/16 : ENV HOME=/home/builder
---> Running in 601f189d2bef
'rst'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'dbg'] Removing intermediate container 601f189d2bef
---> 37a6e86a3162
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'bit'] ---> 904158c5e41c
Step 5/16 : USER builder
---> Running in f49ecf92c501
Removing intermediate container f49ecf92c501
---> e1d097bf482e
Step 6/16 : ENV USER=builder
---> Running in c2ac1654d91d
Removing intermediate container c2ac1654d91d
```

```
---> 05984986c660
Step 7/16 : ARG test_name
---> Running in 07bbaae3d53d
Removing intermediate container 07bbaae3d53d
---> 5b14273dcb35
Step 8/16 : ARG run_case
---> Running in 4a31ff592605
Removing intermediate container 4a31ff592605
---> 08a16769d387
Step 9/16 : ENV test_name=$test_name
---> Running in b31398b1ac4c
Removing intermediate container b31398b1ac4c
---> d3c8ec4ec1ed
Step 10/16 : ENV run_case=$run_case
---> Running in b78a6ccbc250
Removing intermediate container b78a6ccbc250
---> 982ee59f9559
Step 11/16 : ENV CI_TEST=true
---> Running in f99fad757702
Removing intermediate container f99fad757702
---> 193e0d915ba5
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 49fd21d28b1f
Removing intermediate container 49fd21d28b1f
---> 3f46004c82a3
Step 13/16 : ENV RT_MACHINE=linux
---> Running in e448f4e2ea28
Removing intermediate container e448f4e2ea28
---> 7f872152a5d8
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 6f476eddab69
Removing intermediate container 6f476eddab69
---> 340ff560b52e
```

```
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in 301eea21b2e8
Removing intermediate container 301eea21b2e8
---> 6cf74d77b91b
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
---> Running in ef46f3a43cbb
Removing intermediate container ef46f3a43cbb
---> f6b350e59f22
[Warning] One or more build-args [build_case] were not consumed
Successfully built f6b350e59f22
Successfully tagged ci-test-weather:latest
'dcp'] ---> 94a5bc690ac5
Step 5/16 : USER builder
---> Running in 6b7234a90a8d
Removing intermediate container 6b7234a90a8d
---> 17ee0c420821
Step 6/16 : ENV USER=builder
---> Running in c66c18ab7f58
Removing intermediate container c66c18ab7f58
---> 850f7a9353cf
Step 7/16 : ARG test_name
---> Running in 7b159892dc0e
Removing intermediate container 7b159892dc0e
---> 3f572c10d827
Step 8/16 : ARG run_case
---> Running in 00f53770bb49
Removing intermediate container 00f53770bb49
---> e51017753360
Step 9/16 : ENV test_name=$test_name
---> Running in 0d1bbbfd2580
Removing intermediate container 0d1bbbfd2580
---> 03ad04b2bbc8
Step 10/16 : ENV run_case=$run_case
```



```
    ---> Running in e8f141faef60
Removing intermediate container e8f141faef60
    ---> 3e4c83f122d1
Step 11/16 : ENV CI_TEST=true
    ---> Running in be04899152b4
[Pipeline] }
'dcp'] Removing intermediate container be04899152b4
    ---> f1c71707c63c
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in 4e831188ec1b
Removing intermediate container 4e831188ec1b
    ---> 5c2c885f14ac
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 4498c5435fa8
Removing intermediate container 4498c5435fa8
    ---> 2fd03d61c788
Step 14/16 : ENV MACHINE_ID=linux
    ---> Running in 458901a7a6bc
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dcp'] Removing intermediate container 458901a7a6bc
    ---> 655a42102e3b
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 2d0b34aeaf0b
Removing intermediate container 2d0b34aeaf0b
    ---> 61999649b81f
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in be956cd45bb2
Removing intermediate container be956cd45bb2
    ---> 36bf9a1c1824
[Warning] One or more build-args [build_case] were not consumed
```

```
'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
'dcp'] Successfully built 36bf9a1c1824
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
'bit'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
[Pipeline] sh
'bit'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'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: Download complete
'mpi'] ---> Running in 7d25e5efaa0a
Removing intermediate container 7d25e5efaa0a
---> 8142ca79910c
Step 3/16 : ENV HOME=/home/builder
---> Running in 314e93aa1097
Removing intermediate container 314e93aa1097
---> c97ba63cb354
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
```

```
'dcp'] df20fa9351a1: Pull complete
'dbg'] ---> ff971e6b1953
Step 5/16 : USER builder
---> Running in 95ad46845905
Removing intermediate container 95ad46845905
---> 296b47b21f6e
Step 6/16 : ENV USER=builder
---> Running in 0cf8daddf029
Removing intermediate container 0cf8daddf029
---> 0699857570c2
Step 7/16 : ARG test_name
---> Running in 34a5d3c7fca2
'thr'] ---> Running in 13b3257295d3
Removing intermediate container 13b3257295d3
---> 421e511ff9e1
Step 3/16 : ENV HOME=/home/builder
---> Running in a8568b75d88a
Removing intermediate container a8568b75d88a
---> ab3786e16af5
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dbg'] Removing intermediate container 34a5d3c7fca2
---> edba884b5e8b
Step 8/16 : ARG run_case
---> Running in 81573c78650f
Removing intermediate container 81573c78650f
---> df77a65c10ea
Step 9/16 : ENV test_name=$test_name
---> Running in baeb737b3f66
Removing intermediate container baeb737b3f66
---> 10eeb31fa32a
Step 10/16 : ENV run_case=$run_case
---> Running in 05850c573489
'rst'] ---> Running in 095c8968e58b
```

```
Removing intermediate container 095c8968e58b
---> bffab091806b
Step 3/16 : ENV HOME=/home/builder
---> Running in b0f5380cbf7f
'dbg'] Removing intermediate container 05850c573489
---> 75848f2daeac
Step 11/16 : ENV CI_TEST=true
---> Running in 1eb40a8a1923
Removing intermediate container 1eb40a8a1923
---> b1bf2441e3a3
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in 8498d92a9f8e
Removing intermediate container 8498d92a9f8e
---> 968788c38679
Step 13/16 : ENV RT_MACHINE=linux
'rst'] Removing intermediate container b0f5380cbf7f
---> 9ab06cd9ce52
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dbg'] ---> Running in b0025b5f6c43
Removing intermediate container b0025b5f6c43
---> 885989d37a78
Step 14/16 : ENV MACHINE_ID=linux
---> Running in e47e40a352c2
Removing intermediate container e47e40a352c2
---> 429f1b4950f8
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
---> Running in ff750a570104
'dbg'] ---> Running in 34bf0b854e7a
Removing intermediate container 34bf0b854e7a
---> 1da30f12f50a
Step 3/16 : ENV HOME=/home/builder
---> Running in 59e5cf529bd1
Removing intermediate container 59e5cf529bd1
```

```
    ---> d803eff3afa0
Step 4/16 : COPY --chown=builder:builder . $HOME/ufs-weather-model
'dbg'] Removing intermediate container ff750a570104
    ---> 910c870b307a
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in 5111ab6e4d5a
Removing intermediate container 5111ab6e4d5a
    ---> 301b0e1fd5ed
[Warning] One or more build-args [build_case] were not consumed
Successfully built 301b0e1fd5ed
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
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'mpi'] ---> 88c2631d63f0
Step 5/16 : USER builder
    ---> Running in bce3ca62554b
Removing intermediate container bce3ca62554b
    ---> 94a3c3c71435
Step 6/16 : ENV USER=builder
    ---> Running in aa861b4cca82
```

```
Removing intermediate container aa861b4cca82
---> be1f3359c7b2
Step 7/16 : ARG test_name
---> Running in 7a8f98cf746b
Removing intermediate container 7a8f98cf746b
---> e29a47cc6e1d
Step 8/16 : ARG run_case
---> Running in 40233616665d
Removing intermediate container 40233616665d
---> ff226693dadf
Step 9/16 : ENV test_name=$test_name
---> Running in 9ba07e6c5b79
Removing intermediate container 9ba07e6c5b79
---> 1be1043c7fd8
Step 10/16 : ENV run_case=$run_case
---> Running in 99606673103f
Removing intermediate container 99606673103f
---> 96efaa22a02c
Step 11/16 : ENV CI_TEST=true
---> Running in 6bcce0943bfa
Removing intermediate container 6bcce0943bfa
---> e6ad900e6e6b
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in a81c40fab173
Removing intermediate container a81c40fab173
---> c8da7faf78c0
Step 13/16 : ENV RT_MACHINE=linux
---> Running in c59ecb031b5b
Removing intermediate container c59ecb031b5b
---> 9e96f72f95cf
Step 14/16 : ENV MACHINE_ID=linux
---> Running in 6e567cc91043
Removing intermediate container 6e567cc91043
```

```
    ---> 6e9da5ed634d
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in 865362b2faaa
Removing intermediate container 865362b2faaa
    ---> 6be615cad101
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in af29429a2bfc
Removing intermediate container af29429a2bfc
    ---> a82386365651
[Warning] One or more build-args [build_case] were not consumed
Successfully built a82386365651
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'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
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'thr'] ---> 395c0210200e
Step 5/16 : USER builder
    ---> Running in cd970eb1f336
Removing intermediate container cd970eb1f336
    ---> d903f94f6326
Step 6/16 : ENV USER=builder
    ---> Running in 4279252cec8c
```



```
Removing intermediate container 4279252cec8c
---> 4b1ca218500d
Step 7/16 : ARG test_name
---> Running in 83c5f141d041
Removing intermediate container 83c5f141d041
---> 5a9c6f68d80a
Step 8/16 : ARG run_case
---> Running in 7766be4caaf1
Removing intermediate container 7766be4caaf1
---> 533131727b4c
Step 9/16 : ENV test_name=$test_name
---> Running in d1902105bfc8
Removing intermediate container d1902105bfc8
---> e12550143043
Step 10/16 : ENV run_case=$run_case
---> Running in 718c90911120
Removing intermediate container 718c90911120
---> bfa1e58a4e27
Step 11/16 : ENV CI_TEST=true
---> Running in abd12af207ff
Removing intermediate container abd12af207ff
---> 707dbacdba58
Step 12/16 : ENV RT_COMPILER=gnu
---> Running in bca62d6fe737
Removing intermediate container bca62d6fe737
---> 53417e7d1b64
Step 13/16 : ENV RT_MACHINE=linux
---> Running in e63a8cc2854e
Removing intermediate container e63a8cc2854e
---> 1db497426061
Step 14/16 : ENV MACHINE_ID=linux
---> Running in e2f695b8d825
Removing intermediate container e2f695b8d825
```

```
    ---> b9f33b5f35a2
Step 15/16 : WORKDIR $HOME/ufs-weather-model/tests
    ---> Running in b2a1ba2397b5
'rst'] ---> aa35b144caa2
Step 5/16 : USER builder
    ---> Running in 28a1153d79a0
Removing intermediate container 28a1153d79a0
    ---> 4000db65b009
Step 6/16 : ENV USER=builder
    ---> Running in bd674bffe970
Removing intermediate container bd674bffe970
    ---> 6e8a907b9840
Step 7/16 : ARG test_name
    ---> Running in f2604752312d
'thr'] Removing intermediate container b2a1ba2397b5
    ---> e55780f6d65b
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in 4914b14b729f
Removing intermediate container 4914b14b729f
    ---> 2d426df14946
[Warning] One or more build-args [build_case] were not consumed
Successfully built 2d426df14946
Successfully tagged ci-test-weather:latest
'rst'] Removing intermediate container f2604752312d
    ---> 7849621fbc23
'dbg'] Step 8/16 : ---> 8a208c3642f2
Step 5/16 : USER builder
    ---> Running in ae4cb3368c82
Removing intermediate container ae4cb3368c82
'rst'] ---> 35bc0d9c ARG run_case
    ---> Running in ef3cbe266950
Removing intermediate container ef3cbe266950
'dbg'] ---> 68e984
```

```
Step 6/16 : ENV USER=builder
---> Running in 71f3710abcd6
Removing intermediate container 71f3710abcd6
'rst'] ---> 348749ed9a5
Step 9/16 : ENV test_name=$test_name
---> Running in 3751a4f328b8
'dbg'] Removing intermediate container 3ae4128f28f9
Step 7/16 : ARG test_name
---> Running in 602981c6c162
'rst'] Removing intermediate container 602751a4f328b8
---> c5857a815540
Step 10/16 : ENV run_case=$run_case
'dbg'] ---> Running in 981c6c162
---> 4a70f2a70061
'rst'] Step 8/168648218cc23f
'dbg'] : ARG run_case
---> Running in 1c06db79f2e6
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
'rst'] Removing intermediate container 8648218cc23f
'dbg'] Removing intermediate container 1c06db79f2e6 (Stage Test Data)
---> 354c3d781049
'dbg'] Step 9/16 : ENV t ---> f94cc8af83est_name=$test_name
---> Running in db7735c700be
[Pipeline] { (Stage Test Data)
'dbg'] Removing intermediate container db7735c700be
'rst'] ---> 0d
Step 11/16 : ENV CI_TEST=true
---> Running in bd7826993d08
Removing intermediate container bd7826993d08
---> 09987c47019b
Step 12/16 : ENV RT_COMPILER=gnu
```

```
    ---> Running in 61d650800cb3
Removing intermediate container 61d650800cb3
    ---> af9165e857ee
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in 5b4d2f3d5902
'dbg'] 3cfdc4955d29
Step 10/16 : ENV run_case=$run_case
    ---> Running in 4a761dad3145
Removing intermediate container 4a761dad3145
    ---> cc502c232f80
Step 11/16 : ENV CI_TEST=true
[Pipeline] sh
'dbg'] Removing intermediate co ---> Running in fbe8c27bd4a5
Removing intermediate container fbe8c27bd4a5
'rst'] ---> 663549ntainer 5b4d2f3d5902
    ---> fceffd5ae4ae
Step 14/16 : ENV MACHINE_ID=linux
'dbg'] ---2f0743
Step 12/16 : ENV RT_COMPILER=gnu
    ---> Running in ac3cfca83163
'rst'] Removing intermediate container ac3> Running in a29f121824bc
Removing intermediate container a29f121824bc
    ---> dca14826d051
'dbg'] Step 15/16 : WORKDIR cfca83163
    ---> dd1bc271e5bf
Step 13/16 : ENV RT_MACHINE=linux
    ---> Running in d8a8a374592d
'rst'] Removing intermedi$HOME/ufs-weather-model/tests
    ---> Running in 4e13e4276d39
'dbg'] Removing intermediatate container d8a8a374592d
    ---> 9869c076b8cd
Step 14/16 : ENV MACHINE_ID=linux
'rst'] e container 4e13e4276d39
```

```
    ---> a5fcfd677bb8
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in adafdd9d472a
'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
'dbg'] ---> Running in b695d588f831
Removing intermediate container b695d588f831
    ---> ed31e4ceb9c4
'rst'] Step 15/16 Removing intermediate container adafdd9d472a
    ---> 664312d803a9
'dbg'] [Warning] One or more build-args [build_case]: WORKDIR $HOME/ufs-weather-model/tests
'rst'] ---> Run were not consumed
Successfully built 664312d803a9
Successfully tagged ci-test-weather:latest
'dbg'] ning in 41ea3d51dabc
Removing intermediate container 41ea3d51dabc
    ---> 11cc77222596
Step 16/16 : CMD ./opnReqTest -n $test_name -c $run_case
    ---> Running in a56ba2486223
Removing intermediate container a56ba2486223
    ---> 01cad9fea317
[Warning] One or more build-args [build_case] were not consumed
Successfully built 01cad9fea317
Successfully tagged ci-test-weather:latest
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
[Pipeline] }
[Pipeline] // stage
```

```
[Pipeline] stage
[Pipeline] { (Stage Test Data)
'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
[Pipeline] sh
'thr'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'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
'thr'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
'rst'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'dbg'] 20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
'thr'] df20fa9351a1: Pull complete
'dbg'] df20fa9351a1: Download complete
'rst'] df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'dbg'] df20fa9351a1: Pull complete
'bit'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'thr'] 1ff3978cbb81: Download complete
'thr'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
```

```
'dcp'] 1ff3978cbb81: Download complete
'mpi'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dbg'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'rst'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'rst'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dbg'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'dcp'] 1ff3978cbb81: Verifying Checksum
      1ff3978cbb81: Download complete
'bit'] 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
'thr'] 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
'mpi'] 1ff3978cbb81: Pull complete
      Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
      Status: Downloaded newer image for noaaepic/input-data:20221101
'dbg'] 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
'rst'] 1ff3978cbb81: Pull complete
'bit'] 3b2ba8449f7d803c2e2f4aec00b139cbfd465a589b6db75e5a01d1572e2ee547
[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
0cc22af874c5
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
'rst'] 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
'dbg'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'thr'] 3586e7591133e3f6ca069b288fb2966a5dc11125d4cdc11aac3f6a0be0549cfe
[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
```


74e27096e782

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

'thr'] 695d8b31a27dfcb0a7c1b163587338755bf3baf962916920432d8ccd0e7abfb4

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Test)

[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

019a544fa6aa

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'] 95e52aa01c1bbedf456fb9744f7599f69d66922d80f871d7b7bb8cf70184c6e1

[Pipeline] }

[Pipeline] // stage

[Pipeline] stage

[Pipeline] { (Test)

[Pipeline] sh

'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

a5c399044a5e

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
'mpi'] 28d1728d428868874b0e38605789cd62ab32c7f094a5ab36df92abbb6b0d77bd
[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
42079143262c
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'] 804ee0a7cbce224b98f798ff43c749a4f05a50c1ac59aa48b1228857f9f1ba59
[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
5decc8aec3ea
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
'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'] 841d0cf858a56a048149d56bb9051c7e9f45a9c8ab08b0f8f6281aa500cb9b6a
[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
27e1abc75783
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
'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
'rst'] 1bb255bd4d4e76c9daa5948e72a76b6ca608f8769924b878838cd7d6451a10a7
[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
55dabd8e0cc1
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'] 96c5d9f6e27f914594964057c7321ea5491fc2145fbf4c2910075db50645b137
[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
a36a0d49ea85
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'] 2433b75b4f7bc5fbdcd4f4b2322a6eb73116cddf7d43af60e985b76e27cb527b
[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
a2b700506e8e
```

```
test name: cpld_control_nowave_noaero_p8
WARNING: UNKNOWN PLATFORM
cases to compile: dbg
compiling dbg with compile option -DAPP=S2SW -DCCPP_SUITES=FV3_GFS_v17_coupled_p8 -DDEBUG=ON
'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
```

'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

'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

'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

'thr']

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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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

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
numr,dyval,DY_m=      0      3000000  333600.000
PROCESS CLDRAD done
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
```



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

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

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

'dcp'] done compiling std

cases to run: std_base dcp

Running test for std_base

THRD: 1; INPES: 10; JNPES: 11; TPN: 40

'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

'dcp'] ++ mpiexec -n 120 ./fv3.exe

'thr'] 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
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']

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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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

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
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
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
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

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

'dbg'] done compiling dbg

cases to run: dbg_base

Running test for dbg_base

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

++ mpiexec -n 80 ./fv3.exe

'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

'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

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
```

```
'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
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
datset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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'] 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'] 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

'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

'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

'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'] 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 :           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
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'] 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

```
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

```

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

```

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

```

```

'thr'] 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
-------------	------	----

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
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
```

```
'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          = 322.395528
The maximum resident set size (KB)     = 1440836
```

```
Test dbg_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:06m:47s. 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 301b0e1fd5ed
```

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

```
Deleted: sha256:301b0e1fd5edca739685363522b6c7cab324dec64b3138dd7195570823fee09f
```

```
Deleted: sha256:910c870b307ad018d2abec399d04ad0957d943fa022fd8f31db9d7ca2f92ddbfb
```

```
Deleted: sha256:429f1b4950f89697eb4da5ade20de2f25a675e6f31360bdefe2d25960779fdf6
Deleted: sha256:885989d37a78901e95f0a384eaa8abf845ab0d3acd4acd2f1a0f6db77b5acc78
Deleted: sha256:968788c386799e207160031e5cb51682c4afb27fed4ca690ccf5bc3c81efd134
Deleted: sha256:b1bf2441e3a3060f75dac0c1d901d9dacc47fc3e7fe054984e8e3669775f8b1f
Deleted: sha256:75848f2daeacdc05c1c3888279568280157c18b9f1f50129a4570dad3162c4f
Deleted: sha256:10eeb31fa32a0e38004f4a02f30467374b694134292d6f309ea496b1c7d102f2
Deleted: sha256:df77a65c10ea65ffe89db8729910009fd089595a3ad4aacae46f229356d7ae22
Deleted: sha256:edba884b5e8b110dd72c554cba5655a429892c9b3d09311ca34405d2278e00a0
Deleted: sha256:0699857570c22bbb2346a3ffe329b401e7c49f197f9cda36f1be63453d2ea5d2
Deleted: sha256:296b47b21f6efd8d42f87e8a28f7c987f92628c15252236227f39a360972f995
Deleted: sha256:ff971e6b1953af06de0066510dacdf8b0217e062375f7074a3c6539f0798f957
Deleted: sha256:a457e3304fb8250bc2c46c5362536c581c2d1e6ae51c2edbf5faabd445c9fa3
Deleted: sha256:37a6e86a3162ba9aae173d1e76accfa7102601693f8e8bf4cb9b728e6297ef56
Deleted: sha256:4e9fa2bc8b096360bed1efc7af82734e7537c302209b8718016d274deadf7e33
++ 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: sha256:3dd8c8d4fd5b59d543c8f75a67cdfa30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
```

```

[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'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
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
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'] 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
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
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
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 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 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 30: atmos_modeldefine_blocks_packed: domain (64 17) is not an even divisor with definition (28) -
blocks will not be uniform with a remainder of 24

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

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

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

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

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

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

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

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

blocks will not be uniform with a remainder of 24

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 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

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

```

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
'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
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
'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
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
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
```

```
'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
dataset 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
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
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

```
'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
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
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: 3; JNPES: 1; TPN: 20

'dcp']

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 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

'thr'] ++ mpiexec -n 30 ./fv3.exe

'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

'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 lvlsxml:          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
'dcp'] in readxml,bf readxml,size(post_avblflds%param)=      1
      xml_perl_data read Post flat file
      allocate paramset to :      2
      allocate param to :      219
      sum num_post_afld :      219
      allocate param to :      264
      sum num_post_afld :      483
      in readxml, aft read flat file.xml,num_post_afld=      264
      in readxml, aft read flat file.xml,num_pset=      2
      Size of pset is:      264
      datset is: PRSLEV
      MXFLD is:      1200
      size of 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
```

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
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
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
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
```

```
'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
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
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_bit_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_8/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.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
```

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

```
The total amount of wall time           = 750.086315
The maximum resident set size (KB)      = 1484648
```

```
Test bit_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:15m:27s. Have a nice day!
```

```
opnReqTest finished
```

```
'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
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

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

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

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

```
+ docker rmi -f f6b350e59f22
```

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

```
Deleted: sha256:f6b350e59f22b8a48eb2440c0173b5404c01ad9f782466537d9042fc4c30bfcf
```

```
Deleted: sha256:6cf74d77b91b64e0a9dbf263973ca39cce6bbcc52cd1a87b785a95597a00a90d
```

```
Deleted: sha256:340ff560b52e269d6f6ebefecf4040fa91209f4ee5b886c76cd6be8ea1be06cf
```

```
Deleted: sha256:7f872152a5d89bfb14b12488de728995ec7bfff47ac6654324e9b9b78dd438ede
```

```
Deleted: sha256:3f46004c82a3833b170a49a182132b23835107afacab44b0ea2c69ff364d4801
```

```
Deleted: sha256:193e0d915ba5b010621e3bc2a4499276c0fc4c97240144a5f9afae981539ad99
```

```
Deleted: sha256:982ee59f95592fe9a2b1455726213bc9281266ead4efe0a22fba79167384316d
```

```
Deleted: sha256:d3c8ec4ec1ed75b165251bdb4b9e862ef9191466d90db8b0b2ddb048c1330d4d
```

```
Deleted: sha256:08a16769d387df83716daf21649bb6dd333eb8f0ad9e52f36a60d89c6b4819f5
Deleted: sha256:5b14273dcb3549a2548da2c16606ab727519f3e233cac7dbdce16275db673e62
Deleted: sha256:05984986c660d5c01c580e109e3ba61e7dbe8619585fdab5ab8847ca9a7ca64a
Deleted: sha256:e1d097bf482e4f75923e7adb77868e58764f7640bcb04ce9f9893bd7a5994347
Deleted: sha256:904158c5e41c687c94be08c387d454740a6a116ec659eef6b10479692d2d33bf
Deleted: sha256:ddf135554cb489ba487a12eba72d3ed6c2c2d304d72c620afed93a6040908ac7
Deleted: sha256:9e52143e04b9d88593ef38357f8776a7b6e0b0861f5c689a8f14ee60890ccf4b
Deleted: sha256:207246e961bc95477de3bada986d1bd15d336d7153db6976ade9191074586b20
++ 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:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
```

```
[Pipeline] }
'thr'] 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
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 lvl$xml:          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'] 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 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 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 mpi

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

++ mpiexec -n 80 ./fv3.exe

```
'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 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
```

'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
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

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
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

'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
dataset is: GFSPRS
MXFLD is:          1200
size of lvlsxml:          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

```

'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
```

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'] 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 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 lvlsxml:      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
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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
'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 lvl$xml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
```

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
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'] 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
dataset 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
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
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
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
'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 = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -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


```

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

```

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

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

```
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
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
```

```
'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
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
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_rst
```

```
Checking test rst control_p8 results ....
```

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

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

```
The total amount of wall time           = 329.034694
The maximum resident set size (KB)     = 805616
```

```
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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
```



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

The total amount of wall time = 673.857658

The maximum resident set size (KB) = 1433680

Test std_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:19m:55s. 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 1b7eb5b6ca31
Untagged: ci-test-weather:latest
Deleted: sha256:1b7eb5b6ca3117e9b624e4f36cadfd5b7bef1c335e75a75d0b2ea0fbb95cd1cc
Deleted: sha256:fd12ec3e80408ac1da4d2ad058a1cc02bd5ff688fabad01b87c367a1faa398f5
Deleted: sha256:afde3d1eea9564577fc3de49fe9c8fdd3644397cac825e18a3afdfd69c497457
Deleted: sha256:cbf6661fa5cd65cc25b6741f924a4e4b511782ac78ccc379b94e74d701b39a3b
Deleted: sha256:9f5e8e9389ab45a1c5e42d0ca3bbea95f4c2792134a53d082e64aebb604e7a29
Deleted: sha256:d5cfb22349ed2fb26fc1d34bcf0ff70b8277ab90c3576cc2b574c01f1c79b59d
Deleted: sha256:2fbecf9d1beabc62eebc4f1dd2ea08e08102f78026df68916d5ae0de34af3b6a
Deleted: sha256:2dc8403e1d4c329f2c74993b31fced937261168f09a6f19c52fee789936e52e8
Deleted: sha256:9e9f8042ef5e7e479a8e6d43110a2d6ad2d191cec763fa93823f41305b0b912a
Deleted: sha256:f374c60b4b86be5aa1c4fcb91e62d95b08b202aab8bcc5a5ebaaab4b876d2df9
Deleted: sha256:0345ec5b3374c35bc885029dede9e20cdb6ab85b65b4e9f563b529f8bd67790b
Deleted: sha256:4873abcf41802279363eba379928b2abf3d67b3976a7dcd8a367d8ec64686b9
Deleted: sha256:fb575c5ce5323e3c42a649f0a3772da88bc762881a835afb6272474c7319f16f
Deleted: sha256:397bcbb0f62594dcc1a7fafd290e7e29b4cf625717a84bc19aa662620283ab0b
Deleted: sha256:8c4400e65e15afc87588e4d395581537d491371601f3d7476fbc8bfe4bb4a093
Deleted: sha256:a05616fa0bf03cbaf85a9e4f87179778ddedf64895a7faf6f6f7bf9043e9d9ca
++ 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] }

```
'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
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
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
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
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_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           = 532.153569
```

```
The maximum resident set size (KB)     = 606336
```

```
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 = 799.152236
```

```
The maximum resident set size (KB) = 646476
```

```
Test thr regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:25m:20s. 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 9acfd6faf25e
```

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

```
Deleted: sha256:9acfd6faf25e18d5c73a3416de1fbed5a4b42c576848013ababc0b43aa8cf432
```

```
Deleted: sha256:cdd50b43ef2b23554d3c7fdbd4098089a138cd5b15634e3464ba379bac887757
```

```
Deleted: sha256:7b331570498ea2f80884dca250ec6383335acc408b219548648f82fa032be4bd
```

```
Deleted: sha256:2c7497af1dd9a46236d8eb04d0ed679171b5a9fe96ab89fb4a85653b2f518796
Deleted: sha256:9d0ee9162dfa1725792e7a72fc90a981be210b044d6ab47fe0f02673e93aa52b
Deleted: sha256:d3ad14e45f8ce2037cd9a6cfc68aae97701342170dd9fb86d3e2f8d2795ded3d
Deleted: sha256:617dd3f7e7b3127cda733a89e907926bc212b3e9a8f04f0f9ad19e73e6db0f92
Deleted: sha256:9627676a42aa1f4e82320e1c08f2b58012853923f9d83180896ed09ba6cee5e4
Deleted: sha256:cedb6fec9a967da9b4941fb1cd544fd4de01fcb86192f8381b0119f97866d6c92
Deleted: sha256:c32e4966f3483ec5114e2cc474a79af3ae7c27ec22fdd4a66c95e5087e24bf9b
Deleted: sha256:38d139507416f649710cf908373ca319c3c3b6cce2be9a9bf6ba0e7b238f72f2
Deleted: sha256:3d7654e3338e2577cb73941349422429e2772733c8eadc93ff90dc03e1de0e09
Deleted: sha256:32a2fc6b2d65d71ae87b8d7d8db79adc36a0c4ef1236e27956b129702c8185ca
Deleted: sha256:0c835a25f58fc1efa0eed0cdaf6ad21acef5162f7708f1263cabcbd1e6e80faa
Deleted: sha256:1d075db43fef3621fe7517fefbea6bf34c0f3e284424c0e8895f6d9cb5712115
Deleted: sha256:ca4d07b1fc6ab2cdcfab2fabec36c43ecf3fe881833404515e6b56e1feaad2f0
++ 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'] in readxml,bf readxml,size(post_avblflds%param)=      47
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :            112
sum num_post_afld :            112
allocate param to :            209
sum num_post_afld :            321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvl$xml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
```

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
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
```

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

```
baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_dbg_base
working dir  = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_dbg_base
Checking test dbg_base cpld_control_nowave_noaero_p8 results ....
Moving baseline dbg_base cpld_control_nowave_noaero_p8 files ....
Moving sfcf003.tile1.nc .....OK
Moving sfcf003.tile2.nc .....OK
Moving sfcf003.tile3.nc .....OK
Moving sfcf003.tile4.nc .....OK
```

```
Moving sfcf003.tile5.nc .....OK
Moving sfcf003.tile6.nc .....OK
Moving atmf003.tile1.nc .....OK
Moving atmf003.tile2.nc .....OK
Moving atmf003.tile3.nc .....OK
Moving atmf003.tile4.nc .....OK
Moving atmf003.tile5.nc .....OK
Moving atmf003.tile6.nc .....OK
Moving RESTART/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
Moving RESTART/fv_core.res.tile1.nc .....OK
Moving RESTART/fv_core.res.tile2.nc .....OK
Moving RESTART/fv_core.res.tile3.nc .....OK
Moving RESTART/fv_core.res.tile4.nc .....OK
Moving RESTART/fv_core.res.tile5.nc .....OK
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
```



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

```
The total amount of wall time           = 1303.464464
The maximum resident set size (KB)     = 1959360
```

```
Test dbg_base cpld_control_nowave_noaero_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:23m:21s. 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 01cad9fea317
```

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

```
Deleted: sha256:01cad9fea317f2c8f6245c075bb7005c17f22c684f60f79a27bf9b3e8842fabe
```

```
Deleted: sha256:11cc7722259662a715af1190fdc912303fae8f6c7ac87e855d3cf9148ddb1c9
```

```
Deleted: sha256:ed31e4ceb9c49b37d9ccb2bf18d20724ea6ed9d0240852267b7710cfe7895c0b
```

```
Deleted: sha256:9869c076b8cd07be257a8e15ee449a9f7b77c241cc5e99d41ebbead613ca1d13
```

```
Deleted: sha256:dd1bc271e5bff5e5b93566cd81fe04ae9b32dc4b7ab25a5bb200a2565b6b3a03
```

```
Deleted: sha256:6635492f07435dbe96082b2b578be53b91d12100d995e67f2a57ecbd46311f29
Deleted: sha256:cc502c232f80c17c4e7e9f2b392fa6b4c8f33c7317d3f23143dced260260d9d
Deleted: sha256:3cfdc4955d292c5dcf63e3f87e141dabe548860dc37e81f5651a5fe3d413606b
Deleted: sha256:354c3d781049a607d6bbb967c59e9dc67178c5a50eb5ff9bb18a9ef58d0403aa
Deleted: sha256:4a70f2a700617277a551b2af36d70a52de937297ff7fddb671bb7bc01a2844c1
Deleted: sha256:3ae4128f28f9f78e889f8b643f38432d3fe33a8263e8b451818a7f292c479f0b
Deleted: sha256:35bc0d9ce984a06959ffc71206bca25734f54d8e04783f8cfafceb78f660334f
Deleted: sha256:8a208c3642f20085e70271671bc89372846e770f8b2a0fd871f26b32afb2fb0e
Deleted: sha256:570046180355b062c504e1df6d3a2df3ebd95ecffa69cfb34bfff2ec38666b9d
Deleted: sha256:d803eff3afa073acb4d6d09f934402f23df01a0332dfc89e09c1a505ab463c36
Deleted: sha256:1da30f12f50abb87fce290db8c562d510f792d6c4f040fde0f3fb6684061af94
++ 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: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaabb30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:cdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
```

```

[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'dcp'] reset of fraction_interval w          5  21600.0000
reset of fraction_interval w          5  21600.0000
reset of fraction_interval u          5  21600.0000
reset of fraction_interval u          5  21600.0000
reset of fraction_interval v          5  21600.0000
reset of fraction_interval v          5  21600.0000
in readxml,bf readxml,size(post_avblflds%param)=      219
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   219
sum num_post_afld :                   219
allocate param to :                   264
sum num_post_afld :                   483
in readxml, aft read flat file.xml,num_post_afld=      264
in readxml, aft read flat file.xml,num_pset=           2
Size of pset is:                        264
datset is: PRSLEV
MXFLD is:                               1200
size of 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

```
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
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          = 805.170948
The maximum resident set size (KB)     = 645800
```

```
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          = 591.782373
The maximum resident set size (KB)     = 606816
```


Test std_base regional_control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:26m:26s. 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 edbab01f3e22

Untagged: ci-test-weather:latest

Deleted: sha256:edbab01f3e22a4688bb57ced2a527f559d1afa69673df286557967342bbcbf1d

Deleted: sha256:53b15ef5f96160aa99d88982268583dabc6a77385ab720bb8dadb05ce60f04f6

Deleted: sha256:f2bb0ee0300006529d8e47c89acdd0e91d4785d358bf9e1e78a0f3e4e602bef4

Deleted: sha256:2ffd8960d0007e0d7af7bfe9c7f59a158a16002539f20bdc1a7e53b43c18583d

Deleted: sha256:a8ac79553cc0e003156aec226414064d117a6fcc6cb0ceb2f746ee0257bdf1ab

Deleted: sha256:4ea55d73ffd12b77ce0b09af2147e685ae0b59732bec0d4550c47214507d54e1

Deleted: sha256:d09d22438cf35d084afba5b91915b3974bf658d7a030e189fe7b1ef4af8e8ab

Deleted: sha256:8e09c33472ecc256f33e4d1ba66221fa4b6567cf7a9c54515e63140bf199a4ae

Deleted: sha256:b37a9578cf78ea2a538f86421ab99e5d17908689379e886127c2f1cf4c8df6af

Deleted: sha256:24a9d9cb7c747e01b00001b34e1e47b43a95b07a78bd49804e68de2470d5df07

Deleted: sha256:d74d2662b38608518652b3fff2020491ace5785266d8ad2256a77e3e033a06047

Deleted: sha256:4ba5ebb040c187c46d57ad434f20973d2c9f88d2eabd898a4b90ad8bf332087e

Deleted: sha256:571af35ea979f09c105ed0c287c05ba4037db4715721aede4a6ced81756e76f7

Deleted: sha256:467ce60e13c2e8f7d598e8f44acb392fc02325a4f37dd6f0939229706a20ac

Deleted: sha256:6389443b457a099061b4be7e53062559a8fad60d415fc46c3b4f82e96ae27056

Deleted: sha256:19948b5fc60816fc2d91c9fb98e2cada3c3510145da72169161393d5da7f112d4

++ 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:ccd8bb80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          47
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          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
ient,iget =             1007          -1
ient,iget =             1008          -1
ient,iget =             1009          -1
ient,iget =             1010          -1
ient,iget =             1007          -1
ient,iget =             1008          -1
ient,iget =             1009          -1
ient,iget =             1010          -1
```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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:      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'] 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.ncOK

Comparing sfcf021.ncOK

Comparing sfcf024.ncOK

```
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/coupler.res .....OK
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
Comparing RESTART/fv_core.res.tile1.nc .....OK
Comparing RESTART/fv_core.res.tile2.nc .....OK
Comparing RESTART/fv_core.res.tile3.nc .....OK
Comparing RESTART/fv_core.res.tile4.nc .....OK
Comparing RESTART/fv_core.res.tile5.nc .....OK
Comparing RESTART/fv_core.res.tile6.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/fv_tracer.res.tile1.nc .....OK
Comparing RESTART/fv_tracer.res.tile2.nc .....OK
Comparing RESTART/fv_tracer.res.tile3.nc .....OK
Comparing RESTART/fv_tracer.res.tile4.nc .....OK
Comparing RESTART/fv_tracer.res.tile5.nc .....OK
Comparing RESTART/fv_tracer.res.tile6.nc .....OK
Comparing RESTART/phy_data.tile1.nc .....OK
Comparing RESTART/phy_data.tile2.nc .....OK
Comparing RESTART/phy_data.tile3.nc .....OK
Comparing RESTART/phy_data.tile4.nc .....OK
```

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

```
The total amount of wall time           = 650.795931
The maximum resident set size (KB)     = 1434944
```

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/coupler.res .....OK
Moving RESTART/fv_core.res.nc .....OK
```

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

The total amount of wall time = 648.996004

The maximum resident set size (KB) = 1431732

Test std_base control_p8 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 36bf9a1c1824

Untagged: ci-test-weather:latest

Deleted: sha256:36bf9a1c1824a4d06e7d9b448709baedb5bcfa120dc3125b59c656b21d713b36

Deleted: sha256:61999649b81f6e1792db268619f7dc9b0cb81d1624d574b43314469e47a81b55

Deleted: sha256:655a42102e3b2ff0b50b07e54905a0e45cb5d6a3b330399cc672b41f0fa51d02

Deleted: sha256:2fd03d61c7889dc85ae8c50fd8f0035e29d86cef289c3b555a2ebe2fac4a280d

Deleted: sha256:5c2c885f14ac0595969700228afebbedb512a07a936d1a5d10b11fe5531ad349

Deleted: sha256:f1c71707c63ce9278a622930919849733f92d7b7cdfb000377253b9be061cdd3

Deleted: sha256:3e4c83f122d1f6bfd3ed95f2140ea4edefc734f425ba0b056ba2938a083d1d16

Deleted: sha256:03ad04b2bbc85d7d96a97d335a916abf05935cd16939fd52c51e142bb9d612f2

Deleted: sha256:e5101775336017a209304adf2ec0e313e4824369d951d9ff464b61affd9a3fe9

Deleted: sha256:3f572c10d827cfd3cb192adb9853e60118af7d95ed5e91194a93ff5411bd346c

Deleted: sha256:850f7a9353cf345502538d1b6519e7d1decdd25a6ca015bd34b5dc32778644f66

Deleted: sha256:17ee0c420821006f71341b7d2ccdb7b0bba47d8656a5ea5993c1e6b5142d689f

Deleted: sha256:94a5bc690ac566c3d14aebb5e6139677019bf9bb0cef7a3e9f2e5850d6c98ebf

Deleted: sha256:82461c84cba7ba8314738f8006020f6fc8b96684752b080b7e14f98f7ff98d05

Deleted: sha256:058830fd03b101d4d44a747bf8ac93a125498fd8b80a1669e03d983c81817e85

Deleted: sha256:65691d06f925748d53d3e9f15941a8554e11c202dd50146b973af37520893d64

++ 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:ccd8b80308cc5ef43b605ac28fac29c6a597f89f5a169bbedbb8dec29c987439
```

```
[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_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

'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

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
```

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

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

The total amount of wall time = 653.167086

The maximum resident set size (KB) = 1435552

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.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/coupler.res .....OK
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
Comparing RESTART/fv_core.res.tile1.nc .....OK
Comparing RESTART/fv_core.res.tile2.nc .....OK
Comparing RESTART/fv_core.res.tile3.nc .....OK
Comparing RESTART/fv_core.res.tile4.nc .....OK
Comparing RESTART/fv_core.res.tile5.nc .....OK
Comparing RESTART/fv_core.res.tile6.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/fv_tracer.res.tile1.nc .....OK
Comparing RESTART/fv_tracer.res.tile2.nc .....OK
Comparing RESTART/fv_tracer.res.tile3.nc .....OK
Comparing RESTART/fv_tracer.res.tile4.nc .....OK
Comparing RESTART/fv_tracer.res.tile5.nc .....OK
Comparing RESTART/fv_tracer.res.tile6.nc .....OK
Comparing RESTART/phy_data.tile1.nc .....OK
```

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

```
The total amount of wall time           = 907.702700
The maximum resident set size (KB)      = 1708080
```

```
Test thr control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:29m:10s. 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 2d426df14946
```

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

```
Deleted: sha256:2d426df14946d7c509327cc1a4e078fc729f1a9efa0c68dd6397bed4827365da
```

```
Deleted: sha256:e55780f6d65b9e31805f5ad92425b6305727d14109cd645e06d744bca887194b
```

```
Deleted: sha256:b9f33b5f35a27bcd75b4f3172bdae10aebb723e4f654c932f941aa4d6ab7fc26
```

```
Deleted: sha256:1db497426061c32475a8e28cfffe418a8ad8f85bcbfb221aa960ad109393fec2
```

```
Deleted: sha256:53417e7d1b644794b52963e229fea5eeb55d261120dad24e77d9c8c21e8e5098
Deleted: sha256:707dbacdba58cfad21b05471a95917df3e3af3cd61b31df20a49c71caa91494d
Deleted: sha256:bfa1e58a4e274c8d940b21d97d7683490b91d6080713b8157ad3881fef617153
Deleted: sha256:e1255014304362a0021923bc48bfd052005d67cdcafe4297fe3c86df5ead41e1
Deleted: sha256:533131727b4ce42247afc6231f136ee64f17a2f9d5adea6b9a5231675b7aa014
Deleted: sha256:5a9c6f68d80aad15acccc38f446dbb1ece21685259ec71d772a37475724dd2c3
Deleted: sha256:4b1ca218500d7e9161422bc2d309b5c91528bcd850707790f5df4025a8b3d78b
Deleted: sha256:d903f94f63268758dc147513011c43bc925ef5009181a50a66ba8ea2a1ef5d0c
Deleted: sha256:395c0210200ecfbbefdfd4f33d6baf3ac7b5c517b717c92e55dc6465bab29002
Deleted: sha256:5948568df9336c0fe7cea4cc4162b8e74cab83fc8ff1e66ec3bb6009848e282a
Deleted: sha256:ab3786e16af531c26fad007c1ad00a5032534f81a0210835c3e0d42dc850cfd9
Deleted: sha256:421e511ff9e138f316650ca93dcc86bc18fb3648026f4b380ff16476adea8cc2
++ 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] }
'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 lvl$xml:      160500
size of post_avblflds param      209
in readxml. nfld=      209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
```

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      112
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)=      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 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_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/coupler.res .....OK
Comparing RESTART/fv_core.res.nc .....SKIP for gnu compilers
Comparing RESTART/fv_core.res.tile1.nc .....OK
Comparing RESTART/fv_core.res.tile2.nc .....OK
Comparing RESTART/fv_core.res.tile3.nc .....OK
Comparing RESTART/fv_core.res.tile4.nc .....OK
Comparing RESTART/fv_core.res.tile5.nc .....OK
Comparing RESTART/fv_core.res.tile6.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/fv_srf_wnd.res.tile2.nc .....OK
```

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

The total amount of wall time = 947.939799

The maximum resident set size (KB) = 1570452

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

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

```
The total amount of wall time           = 658.976777
The maximum resident set size (KB)     = 1433684
```

```
Test std_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:30m:01s. 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 a82386365651
```

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

```
Deleted: sha256:a82386365651482e5a117d20e083655ef3e216ad1ea98684592bf29de2459c27
```

```
Deleted: sha256:6be615cad10137fac12304f24a5d7f21f4ccc5edbd6ed247783fa438cbccbf4c
```

```
Deleted: sha256:6e9da5ed634d39a888ce4a9ac1367dde524c41c1e7638b25e0520936de0cdb2d
```

```
Deleted: sha256:9e96f72f95cf66d99d2adf507f668b0f48564fdcab156100305bc691173b8bfe
```



```
Deleted: sha256:c8da7faf78c0fb075ec60088bd0f8761aa396128e166847573ab65fdc9999a75
Deleted: sha256:e6ad900e6e6bc8b4b7fe2c97c791186c64f6e87a8992d5e46dc92823778543f2
Deleted: sha256:96efaa22a02c1b79abc67fe386f9d2421ea762e2e56455bf939142168600bbe8
Deleted: sha256:1be1043c7fd8c4d8afac157cbfb63823b9f21974e05aae771c6044b120f61ece
Deleted: sha256:ff226693dadf3361c60b20812a6f00d7a42655096434d4770b13b741e1db8656
Deleted: sha256:e29a47cc6e1d9e2f827ab4070944199ceff4339d57f588342264e6a4e634c5ad
Deleted: sha256:be1f3359c7b2f9d4af16768d6e1adac9f63d89decf3d8a5fdd7a69921c53c16e
Deleted: sha256:94a3c3c71435b13e095e9599f7dea853535103b71d59b5d320e42adbefde2e8a
Deleted: sha256:88c2631d63f03196e56a4201bde4f07ee3e1498ad87311e2add641b4c2be4168
Deleted: sha256:6511bfb3bd431f464dfa9f26606ab9206b4cbde601ab04cd1e2c5d8d2a8d0a0f
Deleted: sha256:c97ba63cb3543736ff34435112477b515294d5f241fe228ace973b77ff50baca
Deleted: sha256:8142ca79910c8df2e43703cd0afc0f22e8dc7a6440b176976e266ff2e72f07d3
++ 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
```

[Dashboard](#) [ufs-weather-model](#) [ort-docker-pipeline](#) [Pull Requests \(5\)](#) [PR-1597](#) #1

```
Deleted: sha256:d62a59fb641ccac293f6efe114a11d6b94238b8f8254516bf9f4ffff75e77033e
Deleted: sha256:0130cb63d59064b5287f4f6638c598add5452f44bfb36f0be6ed076a72a3d4c
Deleted: sha256:99cb320efbde2e6ae4b21e9a5c378c5809bf62934f267b2089951ec8e6b72e63
Deleted: sha256:a3bedca2c8f09e4c2f51767170225f1252e46377b4ca9fa741e27fd90e2409f5
Deleted: sha256:3dd8c8d4fd5b59d543c8f75a67cdfaab30aef5a6d99aea3fe74d8cc69d4e7bf2
Deleted: sha256:8d8dceacec7085abcab1f93ac1128765bc6cf0caac334c821e01546bd96eb741
Deleted: sha256:ccdbb80308cc5ef43b605ac28fac29c6a597f89f5a169bbbedbb8dec29c987439
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
```

```
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
'rst'] cat: '/home/builder/ufs-weather-model/tests/log_opnReqTest_linux.gnu/compile*_time.log': No such file or directory
```

baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_rst

Checking test rst cpld_control_nowave_noaero_p8 results

Comparing RESTART/MOM.res.ncOK

Comparing RESTART/coupler.resOK

Comparing RESTART/fv_core.res.ncSKIP for gnu compilers

Comparing RESTART/fv_core.res.tile1.ncOK

Comparing RESTART/fv_core.res.tile2.ncOK

Comparing RESTART/fv_core.res.tile3.ncOK

Comparing RESTART/fv_core.res.tile4.ncOK

Comparing RESTART/fv_core.res.tile5.ncOK

Comparing RESTART/fv_core.res.tile6.ncOK

Comparing RESTART/fv_srf_wnd.res.tile1.ncOK

Comparing RESTART/fv_srf_wnd.res.tile2.ncOK

Comparing RESTART/fv_srf_wnd.res.tile3.ncOK

Comparing RESTART/fv_srf_wnd.res.tile4.ncOK

Comparing RESTART/fv_srf_wnd.res.tile5.ncOK

Comparing RESTART/fv_srf_wnd.res.tile6.ncOK

Comparing RESTART/fv_tracer.res.tile1.ncOK

Comparing RESTART/fv_tracer.res.tile2.ncOK

Comparing RESTART/fv_tracer.res.tile3.ncOK

Comparing RESTART/fv_tracer.res.tile4.ncOK

Comparing RESTART/fv_tracer.res.tile5.ncOK

Comparing RESTART/fv_tracer.res.tile6.ncOK

Comparing RESTART/iced.2021-03-23-21600.ncOK

Comparing RESTART/phy_data.tile1.ncOK

```
Comparing RESTART/phy_data.tile2.nc .....OK
Comparing RESTART/phy_data.tile3.nc .....OK
Comparing RESTART/phy_data.tile4.nc .....OK
Comparing RESTART/phy_data.tile5.nc .....OK
Comparing RESTART/phy_data.tile6.nc .....OK
Comparing RESTART/sfc_data.tile1.nc .....OK
Comparing RESTART/sfc_data.tile2.nc .....OK
Comparing RESTART/sfc_data.tile3.nc .....OK
Comparing RESTART/sfc_data.tile4.nc .....OK
Comparing RESTART/sfc_data.tile5.nc .....OK
Comparing RESTART/sfc_data.tile6.nc .....OK
Comparing RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
Comparing atmf024.tile1.nc .....OK
Comparing atmf024.tile2.nc .....OK
Comparing atmf024.tile3.nc .....OK
Comparing atmf024.tile4.nc .....OK
Comparing atmf024.tile5.nc .....OK
Comparing atmf024.tile6.nc .....OK
Comparing sfcf024.tile1.nc .....OK
Comparing sfcf024.tile2.nc .....OK
Comparing sfcf024.tile3.nc .....OK
Comparing sfcf024.tile4.nc .....OK
Comparing sfcf024.tile5.nc .....OK
Comparing sfcf024.tile6.nc .....OK
```

The total amount of wall time = 713.462743

The maximum resident set size (KB) = 1452116

Test rst cpld_control_nowave_noaero_p8 PASS

baseline dir = /home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_std_base

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_std_base

Checking test std_base cpld_control_nowave_noaero_p8 results

Moving baseline std_base cpld_control_nowave_noaero_p8 files

Moving sfcf021.tile1.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.ncOK

Moving atmf024.tile4.ncOK

Moving atmf024.tile5.ncOK

Moving atmf024.tile6.ncOK

Moving RESTART/coupler.resOK

Moving RESTART/fv_core.res.ncOK

Moving RESTART/fv_core.res.tile1.ncOK

Moving RESTART/fv_core.res.tile2.ncOK

Moving RESTART/fv_core.res.tile3.ncOK

Moving RESTART/fv_core.res.tile4.ncOK

Moving RESTART/fv_core.res.tile5.ncOK

```
Moving RESTART/fv_core.res.tile6.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/fv_tracer.res.tile1.nc .....OK
Moving RESTART/fv_tracer.res.tile2.nc .....OK
Moving RESTART/fv_tracer.res.tile3.nc .....OK
Moving RESTART/fv_tracer.res.tile4.nc .....OK
Moving RESTART/fv_tracer.res.tile5.nc .....OK
Moving RESTART/fv_tracer.res.tile6.nc .....OK
Moving RESTART/phy_data.tile1.nc .....OK
Moving RESTART/phy_data.tile2.nc .....OK
Moving RESTART/phy_data.tile3.nc .....OK
Moving RESTART/phy_data.tile4.nc .....OK
Moving RESTART/phy_data.tile5.nc .....OK
Moving RESTART/phy_data.tile6.nc .....OK
Moving RESTART/sfc_data.tile1.nc .....OK
Moving RESTART/sfc_data.tile2.nc .....OK
Moving RESTART/sfc_data.tile3.nc .....OK
Moving RESTART/sfc_data.tile4.nc .....OK
Moving RESTART/sfc_data.tile5.nc .....OK
Moving RESTART/sfc_data.tile6.nc .....OK
Moving RESTART/MOM.res.nc .....OK
Moving RESTART/iced.2021-03-23-21600.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
```

The total amount of wall time = 1387.117371

The maximum resident set size (KB) = 1951312

Test std_base cpld_control_nowave_noaero_p8 PASS

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
Elapsed time: 00h:38m:43s. 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 664312d803a9
Untagged: ci-test-weather:latest
Deleted: sha256:664312d803a9cd85d1ee5c9b84fc456c637ac1fd1105ff4d204d4b86d2bad53d
Deleted: sha256:a5fcd677bb8d6fc655b450070101344f18ab0ee0b622c775f09761e7b95b788
Deleted: sha256:dca14826d0517c4c2e303d2b06e1cd00bc4193dea8f155ca0dd109f89f6c7e63
Deleted: sha256:fceffd5ae4aed109a72bbf367b295d29b11d59f26ed9ae7f4c930220483239c4
Deleted: sha256:af9165e857ee340ff0e7c77cd1c41374cf20c9b4e0ffc67b241019bd7db09bad
Deleted: sha256:09987c47019b238763c95aa07da94fb7b0941c9f9ae3ada15bc4a950af172494
Deleted: sha256:f94cc8af830d72f1f861e5af8141cd67a6888b0aa6548345e11a3b3e4d4581e1
Deleted: sha256:c5857a815540334ec7b092528d80a6c36ffe25d35daf4a91310f430c601a9cf2
Deleted: sha256:6848749ed9a5c27379bae959729afc9a3216170856427e4286559b9bac775102
Deleted: sha256:7849621fbc238cef0b0f559502408d12b7dd45c35e4f890c1b229cdabd4b8fc2
Deleted: sha256:6e8a907b984042c6ebe4bbf684aa1fc0c4111d129d86d6912dc58aa0f6cbdd45
Deleted: sha256:4000db65b009d77ef026e34126058d30f7c961915c24494bd61a97979ffd4a8b
Deleted: sha256:aa35b144caa27f3dc1d2f9988ada4853db0b94079d09bb60f06b9bf01575d341
Deleted: sha256:0145b50a8bb9ed919e25f9d0cf6a1d67ae1ff53eb6f8079752c9c123f86bef84
Deleted: sha256:9ab06cd9ce524d43fece5fff11b368c0bc5c79935001017c4d1e1d52f8fca273d
Deleted: sha256:bffab091806b8d6e4421e8bd609ca7e197e49d97f19fbee2e04ec7f69b97828c
++ 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: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

