



Dashboard ufs-weather-model ort-docker-pipeline Pull Requests (13) PR-1704 #2

- Status
- Changes
- Console Output
- View as plain text
- Edit Build Information
- Git Build Data
- Open Blue Ocean
- Restart from Stage
- Rebuild
- Pipeline Steps
- Workspaces
- Previous Build

Console Output

```
Started by user Fernando Andrade-Maldonado  
17:29:03 Connecting to https://api.github.com using epic-cicd-jenkins/***** (GitHub  
account for Jenkins)  
Loading trusted files from base branch develop at  
be95f64f8c41690bff43c45250dcf6702e4400ba rather than  
fb9e68e7b51f590afed47411a3f5a5497bc4a12a  
Obtained tests/ci/Jenkinsfile from be95f64f8c41690bff43c45250dcf6702e4400ba
```

```
[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 = 'cpld_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 = 'cpld_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 = 'cpld_control_nowave_noaero_p8', TEST_CASE = 'rst')

[Pipeline] stage
[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'bit')
[Pipeline] stage
[Pipeline] { (Matrix - TEST_NAME = 'control_p8', TEST_CASE = 'dbg')
[Pipeline] stage
[Pipeline] { (Matrix - TEST_NAME = 'cpld_control_nowave_noaero_p8', TEST_CASE = 'dbg')

[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
```

```
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] node
'thr'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-079b08877e786c57c) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[Pipeline] node
'thr'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-0f95aaf2dd6b605ad) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[Pipeline] node
[Pipeline] node
'mpi'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-07820327e582d01d4) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
'dcp'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-0285a366052e9f93e) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[Pipeline] node
'dcp'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-076ce5da65e82d4e8) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[Pipeline] node
[Pipeline] node
[Pipeline] node
[Pipeline] node
[Pipeline] node
[Pipeline] {
[Pipeline] {
[Pipeline] {
[Pipeline] {
[Pipeline] {
[Pipeline] withEnv
[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] stage
[Pipeline] { (Initialize)
[Pipeline] stage
[Pipeline] { (Initialize)
[Pipeline] cleanWs
'thr'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'thr'] [WS-CLEANUP] done
[Pipeline] cleanWs
'thr'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] cleanWs
'mpi'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
'mpi'] [WS-CLEANUP] done
[Pipeline] cleanWs
'dcp'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] cleanWs
'dcp'] [WS-CLEANUP] Deleting project workspace...
[WS-CLEANUP] Deferred wipeout is used...
[WS-CLEANUP] done
[Pipeline] checkout
'thr'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
using credential GitHubJenkins
[Pipeline] checkout
'thr'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'thr'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
using credential GitHubJenkins
Cloning the remote Git repository
```

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Cloning with configured refspecs honoured and without tags
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'mpi'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
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'mpi'] Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
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Cloning the remote Git repository
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[Pipeline] checkout
'dcp'] The recommended git tool is: /usr/local/git-2.38.0/bin/git
using credential GitHubJenkins
Cloning the remote Git repository
Cloning with configured refspecs honoured and without tags
'thr'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
> /usr/local/git-2.38.0/bin/git init /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
'thr'] Cloning repository https://github.com/ufs-community/ufs-weather-model.git
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https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
'mpi'] Fetching without tags
'thr'] Fetching without tags
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-
community/ufs-weather-model.git # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/pull/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /usr/local/git-2.38.0/bin/git config remote.origin.url https://github.com/ufs-
community/ufs-weather-model.git # timeout=10
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https://github.com/ufs-community/ufs-weather-model.git
+refs/pull/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
'mpi'] Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
```

```
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
timeout=10
'thr'] Fetching without tags
'thr'] Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
'mpi'] Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
'thr'] Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
'mpi'] > /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10
using GIT_ASKPASS to set credentials GitHub account for Jenkins
> /usr/local/git-2.38.0/bin/git merge be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
timeout=10
> /usr/local/git-2.38.0/bin/git rev-list --no-walk
fb9e68e7b51f590afed47411a3f5a5497bc4a12a # timeout=10
'thr'] Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
'thr'] Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
'thr'] Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
'dcp'] Fetching without tags
```

```
'dcp'] Fetching without tags
'dcp'] Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
'dcp'] Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
'thr'] > /usr/local/git-2.38.0/bin/git config core.sparsecheckout # timeout=10
> /usr/local/git-2.38.0/bin/git checkout -f fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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
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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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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.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 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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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
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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 be95f64f8c41690bff43c45250dcf6702e4400ba #
timeout=10
> /usr/local/git-2.38.0/bin/git rev-parse HEAD^{commit} # timeout=10
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timeout=10
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> /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
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# 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'] Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
'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.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'] Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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
'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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704  
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #  
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 be95f64f8c41690bff43c45250dcf6702e4400ba #  
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #  
timeout=10  
> /usr/local/git-2.38.0/bin/git remote # timeout=10  
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10  
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10  
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10  
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10  
'dcp'] > /usr/local/git-2.38.0/bin/git submodule sync # timeout=10  
> /usr/local/git-2.38.0/bin/git config --get remote.origin.url # timeout=10  
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\  
(.+)\.url # timeout=10  
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path #  
timeout=10  
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path #  
timeout=10  
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url #  
timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get  
submodule.stochastic_physics.path # timeout=10  
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path  
# timeout=10  
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10  
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path #  
timeout=10
```

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



```
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path #
timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init--recursive FV3 # timeout=10
'rst'] Still waiting to schedule task
Waiting for next available executor on 'docker-ufs-wm-ci'
'rst'] Still waiting to schedule task
Waiting for next available executor on 'docker-ufs-wm-ci'
'bit'] Still waiting to schedule task
Waiting for next available executor on 'docker-ufs-wm-ci'
'dbg'] Still waiting to schedule task
Waiting for next available executor on 'docker-ufs-wm-ci'
'dbg'] Still waiting to schedule task
Waiting for next available executor on 'docker-ufs-wm-ci'
'thr'] > /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 WW3 # timeout=10
'thr'] > /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 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 stochastic_physics
# timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics
# timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMakeModules #
timeout=10
```

```
'mpi'] > /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
'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
'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
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CMEPS-
interface/CMEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-
interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6
# timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive 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 MOM6-interface/MOM6
# timeout=10
'mpi'] > /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 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 CICE-interface/CICE
# timeout=10
'mpi'] > /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
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-
interface/CDEPS # timeout=10
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive 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
'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 CICE-interface/CICE
# timeout=10
'dcp'] > /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 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
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
'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
[Pipeline] { (Build)
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
[Pipeline] sh
'mpi'] > /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 AQM # timeout=10
'dcp'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
'dcp'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load .dockerignore
#1 transferring context: 161B done
#1 DONE 0.0s

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 512B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
[Pipeline] }
'dcp'] #3 DONE 0.2s

```

```
#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-  
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8  
#4 CACHED  
  
#5 [internal] load build context  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Build)  
[Pipeline] sh  
'thr'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --  
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag  
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704  
#1 [internal] load build definition from Dockerfile  
#1 transferring dockerfile: 512B done  
#1 DONE 0.0s  
  
#2 [internal] load .dockerignore  
#2 transferring context: 161B done  
#2 DONE 0.0s  
  
#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2  
#3 DONE 0.1s  
  
#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-  
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8  
#4 CACHED  
  
#5 [internal] load build context  
'mpi'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-  
interface/CDEPS # timeout=10  
'dcp'] #5 transferring context: 440.71MB 2.5s done  
#5 DONE 2.5s  
  
#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model  
[Pipeline] }  
'thr'] #5 transferring context: 440.71MB 2.5s done  
#5 DONE 2.5s  
  
#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage
```

```
[Pipeline] { (Build)
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
[Pipeline] sh
'dcp'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
'thr'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
'dcp'] #1 [internal] load .dockerignore
#1 transferring context: 161B done
#1 DONE 0.0s

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 512B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
'thr'] #1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 512B done
#1 DONE 0.0s

#2 [internal] load .dockerignore
#2 transferring context: 161B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.1s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 CACHED

#5 [internal] load build context
'dcp'] #3 DONE 0.1s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 CACHED

#5 [internal] load build context
'thr'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
```

```
interface/noahmp # timeout=10
'mpi' > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'dcp' > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
'thr' #5 transferring context: 440.71MB 2.4s done
#5 DONE 2.4s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'dcp' #5 transferring context: 440.71MB 2.5s done
#5 DONE 2.5s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'mpi' > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'mpi' + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load .dockerignore
#1 transferring context: 161B done
#1 DONE 0.0s

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 512B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
#4 CACHED

#5 [internal] load build context
'dcp' #6 DONE 9.8s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s
```

```
#8 exporting to image
#8 exporting layers
'mpi'] #5 transferring context: 440.71MB 2.5s done
#5 DONE 2.5s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'dcp'] #8 exporting layers 2.1s done
#8 writing image sha256:a27115ef8ff558d08037f0b8c0a53e6beca9f3ca820be0c53ebd85409d69e607
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dcp'] + docker volume rm --force DataVolume
'thr'] #6 DONE 10.2s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
#8 exporting layers 2.1s done
#8 writing image sha256:2d9b3f48538dd7aac991da42f5da3ecca35be73d75d725db079463d55129fd71
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'thr'] + docker volume rm --force DataVolume
'thr'] #6 DONE 9.2s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
'dcp'] #6 DONE 10.2s
```

```
#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
'thr'] #8 exporting layers 2.1s done
#8 writing image sha256:79033de586ea2cbb6e3b1bfa5b98be35aaedbf0bf16dd0f67b53a33fc9fbcfb2
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'thr'] + docker volume rm --force DataVolume
'dcp'] #8 exporting layers 2.1s done
#8 writing image sha256:61dfd2c0646343061a510ecacafb7654372f48f0cad89761004f9b06e244661
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'dcp'] + docker volume rm --force DataVolume
'dcp'] 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'] #6 DONE 9.9s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
'thr'] 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'] #8 exporting layers 2.1s done
#8 writing image sha256:c92867b3ed9949337ef503c7617eb11902c0a3ade1cf66e511ccfd292164d119
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'mpi'] + docker volume rm --force DataVolume
'thr'] 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
'dcp'] 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'] 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
'rst'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-004bb1e6188e81e3c) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[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
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/rocky/workspace/odel_ort-docker-pipeline_PR-
1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
'dcp'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'dcp'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'mpi'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'rst'] Fetching without tags
Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
 > /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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.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'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'rst'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-06f8722bd802158c4) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[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
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/rocky/workspace/odel_ort-docker-pipeline_PR-

```

```
1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
Fetching without tags
Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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.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'] 1ff3978cbb81: Verifying Checksum

1ff3978cbb81: Download complete

```
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
> /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
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics
# timeout=10
'rst'] > /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
> /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
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'rst'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 512B done
#1 DONE 0.0s

#2 [internal] load .dockerignore
#2 transferring context: 161B done
```

```
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 resolve docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 done
#4 sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738 6.96kB /
6.96kB done
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 187B / 187B
0.1s done
#4 sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 2.41kB /
2.41kB done
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 6.29MB /
28.54MB 0.2s
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B
0.1s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 0B / 165.59MB
0.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 0B / 44.66MB
0.2s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 9.44MB /
28.54MB 0.3s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 3.15MB /
44.66MB 0.3s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 13.63MB /
28.54MB 0.4s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 7.34MB /
44.66MB 0.4s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 16.86MB /
28.54MB 0.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 12.58MB /
44.66MB 0.5s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 22.02MB /
28.54MB 0.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 16.78MB /
44.66MB 0.6s

'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
'rst'] #4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 27.26MB /
```



```
28.54MB 0.7s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 21.60MB /
44.66MB 0.7s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 28.54MB /
28.54MB 0.8s done
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 28.31MB /
44.66MB 0.8s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 0B / 151B
0.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 35.65MB /
44.66MB 0.9s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 151B / 151B
0.8s done
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
0.1s
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5 4.37kB /
4.37kB 0.9s done
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 0B / 78.90kB
0.9s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 42.99MB /
44.66MB 1.0s
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 78.90kB /
78.90kB 1.0s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 0B / 636.73MB
1.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 10.49MB /
165.59MB 1.1s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 19.92MB /
165.59MB 1.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 28.31MB /
165.59MB 1.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /
44.66MB 1.6s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 35.65MB /
636.73MB 1.6s
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 0B / 2.00kB
1.6s
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
'rst'] #4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
0.8s done
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 2.00kB /
2.00kB 1.6s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 36.70MB /
```

```
165.59MB 1.8s
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
done
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 46.14MB /
165.59MB 2.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 56.62MB /
165.59MB 2.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 68.16MB /
636.73MB 2.2s
#4 ...

#5 [internal] load build context
#5 transferring context: 440.71MB 2.4s done
#5 DONE 2.4s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 71.30MB /
165.59MB 2.5s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 88.08MB /
165.59MB 2.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 104.86MB /
636.73MB 2.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 103.81MB /
165.59MB 3.1s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 112.20MB /
165.59MB 3.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 121.63MB /
165.59MB 3.5s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 137.36MB /
636.73MB 3.5s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 132.12MB /
165.59MB 3.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 142.61MB /
165.59MB 3.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 150.99MB /
165.59MB 4.1s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 170.92MB /
636.73MB 4.1s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /
165.59MB 4.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /
```


165.59MB 4.7s done

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 213.91MB /
636.73MB 4.7s

#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 262.14MB /
636.73MB 5.3s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 298.84MB /
636.73MB 5.8s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 334.50MB /
636.73MB 6.2s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 371.20MB /
636.73MB 6.6s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 415.24MB /
636.73MB 7.1s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 451.94MB /
636.73MB 7.5s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 498.07MB /
636.73MB 8.0s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 532.68MB /
636.73MB 8.4s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 568.33MB /
636.73MB 8.8s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 600.83MB /
636.73MB 9.2s

#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 634.39MB /
636.73MB 9.6s

#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.0s

#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.5s done

#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525

#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
1.2s done

```
'rst'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-  
interface/noahmp # timeout=10
```

```
[Pipeline] }
```

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

```
[Pipeline] stage
```

```
[Pipeline] { (Build)
```

```
'rst'] #4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43  
done
```

```
[Pipeline] sh
```

```
'rst'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --  
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
```

```
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
'rst'] #4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 636.73MB /
636.73MB 13.6s done
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5
done
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
done
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
'rst'] #1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 512B done
#1 DONE 0.0s

#2 [internal] load .dockerignore
#2 transferring context: 161B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 resolve docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 0.0s
done
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 6.29MB /
28.54MB 0.2s
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B
0.1s done
#4 sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 2.41kB /
2.41kB done
#4 sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738 6.96kB /
6.96kB done
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 187B / 187B
0.1s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 0B / 165.59MB
0.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 0B / 44.66MB
0.2s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 11.53MB /
28.54MB 0.3s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 16.78MB /
28.54MB 0.4s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 5.24MB /
44.66MB 0.4s
```

```
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 20.97MB /
28.54MB 0.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 11.53MB /
44.66MB 0.5s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 25.17MB /
28.54MB 0.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 15.73MB /
44.66MB 0.6s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 28.54MB /
28.54MB 0.7s done
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 22.02MB /
44.66MB 0.7s
#4 extracting sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 30.41MB /
44.66MB 0.8s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 151B / 151B
0.7s done
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5 4.37kB /
4.37kB 0.8s done
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 37.75MB /
44.66MB 0.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 0B / 636.73MB
0.9s
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 78.90kB /
78.90kB 0.8s done
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /
44.66MB 1.1s done
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 0B / 2.00kB
1.1s
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 2.00kB /
2.00kB 1.1s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 9.44MB /
165.59MB 1.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 36.70MB /
636.73MB 1.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 17.83MB /
165.59MB 1.7s
#4 extracting sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
1.0s done
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 70.25MB /
636.73MB 1.9s
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
done
```

```
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 32.51MB /
165.59MB 2.1s
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
done
#4 ...

#5 [internal] load build context
#5 transferring context: 440.71MB 2.2s done
#5 DONE 2.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 41.94MB /
165.59MB 2.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 56.62MB /
165.59MB 2.6s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 113.25MB /
636.73MB 2.6s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 65.01MB /
165.59MB 2.8s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 76.55MB /
165.59MB 3.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 87.03MB /
165.59MB 3.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 148.90MB /
636.73MB 3.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 97.52MB /
165.59MB 3.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 105.91MB /
165.59MB 3.6s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 116.39MB /
165.59MB 3.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 183.50MB /
636.73MB 3.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 126.88MB /
165.59MB 4.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 138.41MB /
165.59MB 4.2s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 148.90MB /
165.59MB 4.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 218.10MB /
636.73MB 4.5s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 158.33MB /
```

```
165.59MB 4.6s
'rst'] #4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
5.1s
'rst'] #4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 256.90MB /
636.73MB 5.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /
165.59MB 5.0s done
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
0.1s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 297.80MB /
636.73MB 5.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 337.64MB /
636.73MB 5.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 374.34MB /
636.73MB 6.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 409.99MB /
636.73MB 6.6s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 446.69MB /
636.73MB 7.0s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 480.25MB /
636.73MB 7.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 522.19MB /
636.73MB 7.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 556.79MB /
636.73MB 8.3s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 590.35MB /
636.73MB 8.7s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 626.00MB /
636.73MB 9.1s
'rst'] #4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
10.1s
'rst'] #4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.1s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.4s done
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
1.5s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 636.73MB /
636.73MB 13.3s done
#4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43
done
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5
done
```

```
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
done
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
'rst'] #4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
18.9s done
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
done
'rst'] #4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
5.1s
'rst'] #4 DONE 33.7s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'rst'] #4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
10.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.2s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.9s done
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
done
#4 DONE 30.0s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'bit'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-02266f919861bbbd4) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[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
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/rocky/workspace/odel_ort-docker-pipeline_PR-
1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
Fetching without tags
Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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
'rst'] #6 DONE 26.5s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
'bit'] > /usr/local/git-2.38.0/bin/git config -f .gitmodules --get-regexp ^submodule\.
(.\+)\.url # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.FV3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.FV3.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.WW3.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url #
timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get
submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path
# timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path #
timeout=10
```



```
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path #
timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'rst'] #8 exporting layers 2.1s done
#8 writing image sha256:a03719de29df6c682e881fd0f59ba1bc5b0a88da24c9a45c56e15ee26e377e04
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[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
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'rst'] #6 DONE 30.5s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
#8 exporting layers 2.2s done
#8 writing image sha256:cbc02112e4e5454b02edcae4ad863ea4e25d37f592ea92cc3ce63f7e69d6d43e
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.2s
[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
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
df20fa9351a1: Pull complete
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'dbg'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-0c64a09f08a9b1f74) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[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
using credential GitHubJenkins
Cloning the remote Git repository
Cloning with configured refsspecs 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/rocky/workspace/odel_ort-docker-pipeline_PR-
1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # 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
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive HYCOM-
interface/HYCOM # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive MOM6-interface/MOM6
```

```
# timeout=10
'dbg'] Fetching without tags
Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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.WW3.url # timeout=10
```

```
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.WW3.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.stochastic_physics.url #
timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get
submodule.stochastic_physics.path # timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMakeModules.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMakeModules.path
# timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CMEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CMEPS.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.HYCOM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.HYCOM.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.MOM6.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.MOM6.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CICE.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CICE.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.CDEPS.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.CDEPS.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.GOCART.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.GOCART.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.AQM.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.AQM.path #
timeout=10
> /usr/local/git-2.38.0/bin/git config --get submodule.NOAHMP.url # timeout=10
> /usr/local/git-2.38.0/bin/git config -f .gitmodules --get submodule.NOAHMP.path #
timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive FV3 # timeout=10
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE
# timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-
interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'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
'dcp'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'thr'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'bit'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
interface/noahmp # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'bit'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load build definition from Dockerfile
#1 transferring dockerfile: 512B done
#1 DONE 0.0s

#2 [internal] load .dockerignore
#2 transferring context: 161B done
#2 DONE 0.0s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.4s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 resolve docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 done
#4 sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 2.41kB /
2.41kB done
#4 sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738 6.96kB /
6.96kB done
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 0B / 851B
0.1s
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 0B / 187B
0.1s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 0B / 28.54MB
0.1s
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 187B / 187B
```

0.1s done
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 2.10MB / 28.54MB 0.2s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 0B / 165.59MB 0.2s
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B 0.3s done
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 8.39MB / 28.54MB 0.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 0B / 44.66MB 0.5s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 11.53MB / 28.54MB 0.6s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 8.39MB / 165.59MB 0.6s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 13.63MB / 28.54MB 0.7s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 15.73MB / 28.54MB 0.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 3.15MB / 44.66MB 0.8s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 19.92MB / 28.54MB 0.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 16.78MB / 165.59MB 0.9s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 25.17MB / 28.54MB 1.1s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 28.54MB / 28.54MB 1.3s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 28.31MB / 165.59MB 1.3s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 6.29MB / 44.66MB 1.3s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7cecdc5ee1ebcb7b5ac742fa43 0B / 151B 1.3s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7cecdc5ee1ebcb7b5ac742fa43 151B / 151B 1.3s done
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ffa0dce5 4.37kB / 4.37kB 1.4s done
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 0B / 78.90kB 1.4s
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 78.90kB / 78.90kB 1.5s done

```
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 0B / 636.73MB
1.5s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 36.70MB /
165.59MB 1.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 9.44MB /
44.66MB 1.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 46.14MB /
165.59MB 1.9s
#4 extracting sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
0.7s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 54.53MB /
165.59MB 2.2s
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
done
#4 ...

#5 [internal] load build context
#5 transferring context: 440.71MB 2.3s done
#5 DONE 2.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e4242caed1e5289077ee4054709
done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 65.01MB /
165.59MB 2.6s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 34.60MB /
636.73MB 2.6s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 75.50MB /
165.59MB 2.9s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 12.58MB /
44.66MB 2.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 90.18MB /
165.59MB 3.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 98.57MB /
165.59MB 3.5s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 71.85MB /
636.73MB 3.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 109.05MB /
165.59MB 3.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 15.73MB /
44.66MB 3.8s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 119.54MB /
165.59MB 4.1s
```



```
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 134.22MB /  
165.59MB 4.5s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 18.87MB /  
44.66MB 4.6s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 105.91MB /  
636.73MB 4.7s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 145.75MB /  
165.59MB 4.8s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 157.29MB /  
165.59MB 5.1s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /  
165.59MB 5.5s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 26.21MB /  
44.66MB 5.5s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /  
165.59MB 5.6s done  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 138.41MB /  
636.73MB 5.7s  
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 0B / 2.00kB  
5.7s  
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 29.36MB /  
44.66MB 5.9s  
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 2.00kB /  
2.00kB 6.0s done  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 32.51MB /  
44.66MB 6.5s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 174.06MB /  
636.73MB 6.6s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 35.65MB /  
44.66MB 7.5s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 39.85MB /  
44.66MB 7.7s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 208.67MB /  
636.73MB 7.7s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 42.99MB /  
44.66MB 7.9s  
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /  
44.66MB 8.0s done  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 243.27MB /  
636.73MB 8.6s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 277.87MB /  
636.73MB 9.6s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 310.38MB /
```

```
636.73MB 10.6s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
4.8s done
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
'thr'] 1ff3978cbb81: Pull complete
Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Status: Downloaded newer image for noaaepic/input-data:20221101
'bit'] #4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 343.93MB /
636.73MB 11.5s
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
'bit'] #4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
1.2s done
#4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43
#4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43
done
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5
done
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 377.49MB /
636.73MB 12.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 411.04MB /
636.73MB 13.3s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 445.64MB /
636.73MB 14.3s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 487.59MB /
636.73MB 15.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 521.14MB /
636.73MB 16.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 553.65MB /
636.73MB 17.0s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 588.25MB /
636.73MB 17.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 620.76MB /
636.73MB 18.7s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 636.73MB /
636.73MB 23.0s done
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
5.0s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
10.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.2s
```

```
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
17.4s done
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
done
#4 DONE 42.2s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
'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
> /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'] #6 DONE 20.7s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
#8 exporting layers 2.1s done
#8 writing image sha256:e51a6ceb2ff835c9542ca9919b3a5509d2fd8417c7712a41df172543c5e0b158
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Stage Test Data)
[Pipeline] sh
'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
20221101: Pulling from noaaepic/input-data
df20fa9351a1: Pulling fs layer
1ff3978cbb81: Pulling fs layer
df20fa9351a1: Verifying Checksum
df20fa9351a1: Download complete
```

```
df20fa9351a1: Pull complete
'rst'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'rst'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE
# timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-
interface/CDEPS # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
> /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
'dbg'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load .dockerignore
#1 transferring context: 161B done
#1 DONE 0.0s

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 512B done
#2 DONE 0.1s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 resolve docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 0.0s
done
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 0B / 851B
0.1s
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 0B / 187B
0.1s
#4 sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 2.41kB /
2.41kB done
#4 sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738 6.96kB /
6.96kB done
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 0B / 28.54MB
```

0.1s
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B
0.1s done
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709 187B / 187B
0.1s done
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 4.19MB / 28.54MB 0.2s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 0B / 165.59MB 0.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 0B / 44.66MB 0.2s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 8.39MB / 28.54MB 0.3s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 13.63MB / 28.54MB 0.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 6.29MB / 44.66MB 0.5s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 16.78MB / 28.54MB 0.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 10.49MB / 44.66MB 0.6s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 18.87MB / 28.54MB 0.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 8.39MB / 165.59MB 0.7s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 13.63MB / 44.66MB 0.7s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 22.02MB / 28.54MB 0.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 17.83MB / 44.66MB 0.8s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 25.17MB / 28.54MB 0.9s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 20.97MB / 44.66MB 0.9s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 28.54MB / 28.54MB 1.1s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 16.78MB / 165.59MB 1.1s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 28.31MB / 44.66MB 1.1s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 31.46MB / 44.66MB 1.2s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 151B / 151B

```
1.2s done
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5 0B / 4.37kB
1.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 34.60MB /
44.66MB 1.3s
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5 4.37kB /
4.37kB 1.3s done
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 0B / 78.90kB
1.3s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 37.75MB /
44.66MB 1.4s
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 78.90kB /
78.90kB 1.3s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 0B / 636.73MB
1.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 25.17MB /
165.59MB 1.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 40.89MB /
44.66MB 1.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /
44.66MB 1.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 33.55MB /
165.59MB 1.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /
44.66MB 1.8s done
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 0B / 2.00kB
1.8s
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
0.7s done
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 2.00kB /
2.00kB 1.8s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 44.04MB /
165.59MB 2.1s
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
done
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
done
#4 ...

#5 [internal] load build context
#5 transferring context: 440.71MB 2.4s done
#5 DONE 2.4s
```

```
#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-  
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 57.67MB /  
165.59MB 2.5s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 37.75MB /  
636.73MB 2.5s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 67.11MB /  
165.59MB 2.8s  
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-  
interface/noahmp # timeout=10  
'dbg'] #4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 77.59MB /  
165.59MB 3.1s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 92.27MB /  
165.59MB 3.5s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 72.35MB /  
636.73MB 3.5s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 102.76MB /  
165.59MB 3.8s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 117.44MB /  
165.59MB 4.2s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 131.07MB /  
165.59MB 4.6s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 109.05MB /  
636.73MB 4.6s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 140.51MB /  
165.59MB 4.9s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 155.19MB /  
165.59MB 5.3s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /  
165.59MB 5.7s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 149.95MB /  
636.73MB 5.7s  
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB /  
165.59MB 6.1s done  
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 186.65MB /  
636.73MB 6.4s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 219.15MB /  
636.73MB 7.0s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 251.66MB /  
636.73MB 7.6s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 289.41MB /  
636.73MB 8.3s  
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 324.01MB /
```


636.73MB 8.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 357.56MB /
636.73MB 9.5s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 394.26MB /
636.73MB 10.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 427.82MB /
636.73MB 10.9s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.1s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 469.76MB /
636.73MB 11.7s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
5.4s done
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
0.1s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 506.46MB /
636.73MB 12.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 540.02MB /
636.73MB 13.0s
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
1.3s done
#4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43
done
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5
done
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 577.77MB /
636.73MB 13.6s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 612.37MB /
636.73MB 14.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 636.73MB /
636.73MB 18.5s done
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
5.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
10.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
19.6s done

```
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
done
#4 DONE 38.6s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
#6 DONE 24.7s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
#8 exporting layers 2.1s done
#8 writing image sha256:1ad7ed0cf5f9cf68d86b374748ea94097820dd7451875d31946711fc1d8f41d6
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[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: Download complete
df20fa9351a1: Pull complete
'dcp'] e5dfe80f9fa888131cafc3426d5c11e2b29bc7313ff3c804d07fdd95d09846fe
[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
28c9e6d7855d
test name: regional_control
WARNING: UNKNOWN PLATFORM
```

```
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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'thr'] cd8ea274aade2916bd4196ba20846a28b04c15644d5001bc8f605cd643ca72fb
[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
627a44ae4ed5
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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'mpi'] 2203d566ca46ea7744524dd79213aad1779d6c172c052360a1f8dc060214926
[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
15eb74641c6e
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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'thr'] 224df286cdff8b985aa0bff9863cdf4686e6cc2b5fe71068291b08e505477ad6
[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
15261f22ac5e
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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'dbg'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'dcp'] 0de12c99ce10cdd8814e9763a3c4b08cebf2f56fbd1bf74e6c38ad7044fa437
[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
febcc6de53d9
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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'dbg'] Running on EC2 (NOAA Cloud) - EPIC Rocky 8 Docker UFS WM CI (i-0c7eebd7fbbc2c772) in
/home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
[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
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/rocky/workspace/odel_ort-docker-pipeline_PR-

```

```
1704 # 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 2.31.1'
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/1704/head:refs/remotes/origin/PR-1704
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
Fetching without tags
Merging remotes/origin/develop commit be95f64f8c41690bff43c45250dcf6702e4400ba into PR
head commit fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Merge succeeded, producing fb9e68e7b51f590afed47411a3f5a5497bc4a12a
Checking out Revision fb9e68e7b51f590afed47411a3f5a5497bc4a12a (PR-1704)
> /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/1704/head:refs/remotes/origin/PR-1704 # timeout=10
> /usr/local/git-2.38.0/bin/git config --add remote.origin.fetch
+refs/heads/develop:refs/remotes/origin/develop # timeout=10
> /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/1704/head:refs/remotes/origin/PR-1704
+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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
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 be95f64f8c41690bff43c45250dcf6702e4400ba #
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 fb9e68e7b51f590afed47411a3f5a5497bc4a12a #
timeout=10
Commit message: "Merge remote-tracking branch 'upstream/develop' into HEAD"
> /usr/local/git-2.38.0/bin/git remote # timeout=10
> /usr/local/git-2.38.0/bin/git submodule init # timeout=10
> /usr/local/git-2.38.0/bin/git submodule sync # timeout=10
```

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

'rst'] 1ff3978cbb81: Pull complete

Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

```
Status: Downloaded newer image for noaaepic/input-data:20221101
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive WW3 # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive stochastic_physics
      # timeout=10
'dbg'] 1ff3978cbb81: Verifying Checksum
1ff3978cbb81: Download complete
'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
'dcp'] done compiling std
      cases to run: std_base dcp
      Running test for std_base
          THRD: 1; INPES: 10; JNPES: 11; TPN: 40
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CICE-interface/CICE
      # timeout=10
'thr'] done compiling std
      cases to run: std_base thr
      Running test for std_base
          THRD: 1; INPES: 3; JNPES: 2; TPN: 40
'dcp'] ++ mpiexec -n 120 ./fv3.exe
'rst'] 1ff3978cbb81: Pull complete
      Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
      Status: Downloaded newer image for noaaepic/input-data:20221101
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive CDEPS-
      interface/CDEPS # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive GOCART # timeout=10
      > /usr/local/git-2.38.0/bin/git submodule update --init --recursive AQM # timeout=10
'thr'] ++ mpiexec -n 80 ./fv3.exe
'dbg'] > /usr/local/git-2.38.0/bin/git submodule update --init --recursive NOAHMP-
      interface/noahmp # timeout=10
'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
'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
```

```
'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
```

```
'dcp']
```

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

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

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

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

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

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

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

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

WARNING from PE 35: atmos_modeldefine_blocks_packed: domain (32 17) is not an even

divisor with definition (28) - blocks will not be uniform with a remainder of 12

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

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

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

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

WARNING from PE 74: atmos_modeldefine_blocks_packed: domain (32 17) is not an even

divisor with definition (28) - blocks will not be uniform with a remainder of 12

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

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

WARNING from PE 17: atmos_modeldefine_blocks_packed: domain (32 18) is not an even

divisor with definition (28) - blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

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

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

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

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

WARNING from PE 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 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 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

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

'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'] creating freezing of water drops table

'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

'dcp'] ... DONE microphysical lookup tables

'thr']

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

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

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

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

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

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

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

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

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

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

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

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

WARNING from PE 46: atmos_modeldefine_blocks_packed: domain (32 17) is not an even

divisor with definition (28) - blocks will not be uniform with a remainder of 12

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

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

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

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

WARNING from PE 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 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 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 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

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

'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

'thr'] creating freezing of water drops table


```

'dcp'] ... DONE microphysical lookup tables
'thr'] ... DONE microphysical lookup tables
'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 lvlsxml:          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
      ient,iget =          1007          -1
      ient,iget =          1008          -1
      ient,iget =          1009          -1
      ient,iget =          1010          -1
      ient,iget =          1007          -1
      ient,iget =          1008          -1
      ient,iget =          1009          -1
      ient,iget =          1010          -1
      ient,iget =          1007          -1
      ient,iget =          1008          -1
      ient,iget =          1009          -1
      ient,iget =          1010          -1
      ient,iget =          1007          -1
      ient,iget =          1008          -1

```

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

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

```

'mpi'] in readxml,bf readxml,size(post_avblflds%param)=      1
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      47
sum num_post_afld :      47
allocate param to :      156
sum num_post_afld :      203
in readxml, aft read flat file.xml,num_post_afld=      156
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      156
datset is: GFSPRS
MXFLD is:      1200
size of lvlxml:      101500
size of post_avblflds param      156
in readxml. nfld=      156 nrecout=      1055
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done

```

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

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

```

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

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

```
ient,iget =          1007          -1
PROCESS MDL2HANDPV 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 =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1

```

'bit'] 1ff3978cbb81: Pull complete

Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Status: Downloaded newer image for noaaepic/input-data:20221101

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

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 225

sum num_post_afld : 225

allocate param to : 263

sum num_post_afld : 488

in readxml, aft read flat file.xml,num_post_afld= 263

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

Size of pset is: 263

datset is: PRSLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 263

in readxml. nfld= 263 nrecout= 1083

PROCESS starts

PROCESS MDLFLD done

'rst'] 395cc10f24eba8ee1269d5436ef761b035a284335687ae0356c29b9421197bd6

[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

5c53f1ef9174

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,FV3_GFS_v17_p8_mynn -D32BIT=ON
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          1
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          225
sum num_post_afld :          225
allocate param to :          263
sum num_post_afld :          488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          263
dataset is: PRSLEV
MXFLD is:          1200
size of lvlsxml:          244000
size of post_avblflds param          263
in readxml. nfld=          263 nrecout=          1083
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
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000
numr,dyval,DY_m=          0          3000000          333600.000

```

```

numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done

```

```
'rst'] 34acabfb7110e6319e729e2086abe0c9d9b7057e88d9d87eaabd374205555519
```

```

[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)

```

```

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

```

```

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

```

[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
7be6e1bbfdac

```

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

```

'thr'] Size of pset is:          225
       datset is: NATLEV
       MXFLD is:          1200
       size of lvlxml:      244000
       size of post_avblflds param      225
       in readxml. nfld=      225 nrecout=      2051
       PROCESS starts

```

'dbg'] 1ff3978cbb81: Pull complete

Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Status: Downloaded newer image for noaaepic/input-data:20221101

'thr'] PROCESS MDLFLD done

```

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

```



```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1007      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
ient,iget =      1007      -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 =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
Size of pset is:      225
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      225
```

```

in readxml. nfld=          225 nrecout=          2051
PROCESS starts
PROCESS MDLFLD done
'thr'] 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
PROCESS MISCLN done
ient,iget =          1007          222
ient,iget =          1008          223
ient,iget =          1009          224
ient,iget =          1010          225
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007          222
ient,iget =          1007          222
ient,iget =          1007          222
ient,iget =          1008          223
ient,iget =          1008          223
ient,iget =          1009          224
ient,iget =          1007          222
ient,iget =          1007          222
ient,iget =          1010          225
ient,iget =          1008          223
ient,iget =          1008          223
ient,iget =          1008          223
ient,iget =          1009          224
ient,iget =          1009          224

```

```
ient,iget =      1010      225
PROCESS done
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
numr,dyval,DY_m=      0      3000000      333600.000
PROCESS CLDRAD done
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1007      222
PROCESS MISCLN done
ient,iget =      1007      222
```

```
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
```

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

```
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
```

PROCESS done

'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
'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_INCUPTD_NHOURS = 6

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

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

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

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

```

```

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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

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

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

```
'bit'] 1f5cb5bf30c2768c5e9d009a9055a26d2abb2ff3fdeb615edb5abba412629b27
```

```
[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
f774011bd958
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,FV3_GFS_v17_p8_mynn
```

```
'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
```

```
'dbg'] 0cf7c5425045abfa08d9a220c3f90166d8fee66d9c1053532812fd57c21a6b75
```

```
[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
6e8f2c69f1d6
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,FV3_GFS_v17_p8_mynn -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
'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'] 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
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1

```

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

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

```

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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:      112
datset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

PROCESS done

```

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

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

```

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

```

```

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

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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 = 596.407305
```

```
The maximum resident set size (KB) = 1456720
```

```
Test dbg_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:11m:20s. 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 1ad7ed0cf5f9
```

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

```
Deleted: sha256:1ad7ed0cf5f9cf68d86b374748ea94097820dd7451875d31946711fc1d8f41d6
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 06d1be41bd15
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
```

```
Deleted: sha256:06d1be41bd15c135d75e718cde29d9bea0882409707a052d96df384beccafd181
```

```
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
```

```
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
```

```
[Pipeline] }
```

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

```
[Pipeline] }
```

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

```
[Pipeline] }
```



```

[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'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
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1

```

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

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

```

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

```

'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

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

```
[Pipeline] }
```

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

```
[Pipeline] stage
```

```
[Pipeline] { (Build)
```

```
[Pipeline] sh
```

```
'dbg'] + docker build --build-arg test_name= --build-arg build_case= --no-cache --compress --
```

```
file /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704/tests/ci/Dockerfile --tag
ci-test-weather /home/rocky/workspace/odel_ort-docker-pipeline_PR-1704
#1 [internal] load .dockerignore
#1 transferring context: 161B done
#1 DONE 0.0s

#2 [internal] load build definition from Dockerfile
#2 transferring dockerfile: 512B done
#2 DONE 0.1s

#3 [internal] load metadata for docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-stack:v1.2
#3 DONE 0.3s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8
#4 resolve docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 0.0s
done
#4 sha256:1920f81f65562ffe91e05bac30c47f47183e17f041ca53241f023834438d7738 6.96kB /
6.96kB done
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 2.10MB /
28.54MB 0.1s
#4 sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dc621ffed83af5ca358c38a8 2.41kB /
2.41kB done
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B
0.1s
#4 sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e4242caed1e5289077ee4054709 187B / 187B
0.1s done
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 9.44MB /
28.54MB 0.2s
#4 sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3 851B / 851B
0.1s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 0B / 165.59MB
0.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 0B / 44.66MB
0.2s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 12.58MB /
28.54MB 0.3s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 16.78MB /
28.54MB 0.4s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 4.19MB /
44.66MB 0.4s
#4 sha256:345e3491a907bb7c6f1bddd4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 19.92MB /
28.54MB 0.5s
```



```
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 8.39MB /
165.59MB 0.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 7.34MB /
44.66MB 0.5s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 24.12MB /
28.54MB 0.6s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 11.53MB /
44.66MB 0.6s
#4 sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe 28.54MB /
28.54MB 0.8s done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 22.02MB /
165.59MB 0.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 19.92MB /
44.66MB 0.8s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 0B / 151B
0.8s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 24.12MB /
44.66MB 0.9s
#4 sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 151B / 151B
0.8s done
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
#4 sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5 4.37kB /
4.37kB 0.9s done
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 0B / 78.90kB
0.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 31.46MB /
165.59MB 1.0s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 29.36MB /
44.66MB 1.0s
#4 sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b 78.90kB /
78.90kB 0.9s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 0B / 636.73MB
1.0s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 33.55MB /
44.66MB 1.1s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 39.85MB /
165.59MB 1.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 36.70MB /
44.66MB 1.2s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 40.89MB /
44.66MB 1.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 52.43MB /
165.59MB 1.5s
#4 sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 44.66MB /
```

```
44.66MB 1.5s done
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 0B / 2.00kB
1.5s
#4 sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e 2.00kB /
2.00kB 1.5s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 32.51MB /
636.73MB 1.7s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 63.96MB /
165.59MB 1.8s
#4 extracting sha256:345e3491a907bb7c6f1bdddcf4a94284b8b6ddd77eb7d93f09432b17b20f2bbe
0.9s done
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
#4 extracting sha256:57671312ef6fdbecf340e5fed0fb0863350cd806c92b1fdd7978adbd02afc5c3
done
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 73.40MB /
165.59MB 2.0s
#4 extracting sha256:5e9250ddb7d0fa6d13302c7c3e6a0aa40390e42424caed1e5289077ee4054709
done
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 81.79MB /
165.59MB 2.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 69.21MB /
636.73MB 2.3s
#4 ...

#5 [internal] load build context
#5 transferring context: 440.71MB 2.3s done
#5 DONE 2.4s

#4 [1/3] FROM docker.io/noaaepic/ubuntu20.04-gnu9.3-hpc-
stack:v1.2@sha256:f84ccf2f58f2af4fe9bc2471d6a00fedcffe64dcdc621ffed83af5ca358c38a8
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 90.18MB /
165.59MB 2.4s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 103.81MB /
165.59MB 2.6s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 114.29MB /
165.59MB 2.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 102.76MB /
636.73MB 2.9s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 125.83MB /
165.59MB 3.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 142.61MB /
165.59MB 3.3s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 153.09MB /
```

165.59MB 3.5s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 136.31MB / 636.73MB 3.5s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB / 165.59MB 3.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 177.21MB / 636.73MB 4.0s
#4 sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 165.59MB / 165.59MB 4.0s done
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 218.10MB / 636.73MB 4.4s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 267.39MB / 636.73MB 4.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 305.14MB / 636.73MB 5.3s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 338.69MB / 636.73MB 5.7s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 385.00MB / 636.73MB 6.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 417.33MB / 636.73MB 6.5s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 451.94MB / 636.73MB 6.9s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 492.83MB / 636.73MB 7.3s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 542.11MB / 636.73MB 7.8s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 580.91MB / 636.73MB 8.2s
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 622.85MB / 636.73MB 8.7s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 5.1s
#4 extracting sha256:c46471bef5ab4f42c30ab2eb24e0a4bd31af7094788de3e88b89038e94b6bc08 6.1s done
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525
#4 extracting sha256:b327d3abd2a724cb969f28fa262c12f43b5c5753f66c4dd9bd9598a49c556525 1.2s done
#4 sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0 636.73MB / 636.73MB 13.0s done
#4 extracting sha256:109d28d9515722abbe5052b38a92b71b46ee3a7ceedc5ee1ebcb7b5ac742fa43 done
#4 extracting sha256:7ceaea8da3ed3593559192949aa872d4db97f37e7a3dc08c89daa31ff1a0dce5

```
done
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
#4 extracting sha256:9fe62363807c3c9022f6538307c2698323b08ca505ac5f27596f45259956a66b
done
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
5.1s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
10.2s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
15.3s
#4 extracting sha256:a6d2877f8486e17376cf7c1d798589425ed35a3393085c35c43eee29875c28e0
17.3s done
#4 extracting sha256:112c159de4df28a267685c28f57400c98e9ad47e7c5b9955493296417b4f1e7e
done
#4 DONE 31.3s

#6 [2/3] COPY --chown=builder:builder . /home/builder/ufs-weather-model
#6 DONE 28.3s

#7 [3/3] WORKDIR /home/builder/ufs-weather-model/tests
#7 DONE 0.1s

#8 exporting to image
#8 exporting layers
#8 exporting layers 2.1s done
#8 writing image sha256:63c2fcb6acb942bbcd0ee5955859bef318c6f7e90f71791777e0b5af4c0b41c3
done
#8 naming to docker.io/library/ci-test-weather done
#8 DONE 2.1s
[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
'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)=      225
        xml_perl_data read Post flat file
        allocate paramset to :                2
        allocate param to :                   225
        sum num_post_afld :                   225
        allocate param to :                   263
        sum num_post_afld :                   488
        in readxml, aft read flat file.xml,num_post_afld=      263
        in readxml, aft read flat file.xml,num_pset=           2
        Size of pset is:                      263
        datset is: PRSLEV
        MXFLD is:                             1200
        size of lvlxml:                       244000
        size of post_avblflds param           263
        in readxml. nfld=                      263 nrecout=      1083
        PROCESS starts
        PROCESS MDLFLD done
'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
'mpi'] in readxml,bf readxml,size(post_avblflds%param)=      112
        xml_perl_data read Post flat file
        allocate paramset to :                2
        allocate param to :                   112
        sum num_post_afld :                   112
        allocate param to :                   209
        sum num_post_afld :                   321
        in readxml, aft read flat file.xml,num_post_afld=      209
        in readxml, aft read flat file.xml,num_pset=           2
        Size of pset is:                      209
        datset is: GFSPRS
        MXFLD is:                             1200
        size of lvlxml:                       160500
        size of post_avblflds param           209

```

in readxml. nfld= 209 nrecout= 1108

PROCESS starts

PROCESS MDLFLD done

PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

PROCESS CLDRAD done

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

PROCESS done

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

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

```
'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 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
'mpi'] ++ mpiexec -n 80 ./fv3.exe
'dcp'] MDL2THANDPV ends
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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: 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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
MDL2THANDPV starts
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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

```

Running test for dcp

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

```

'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

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

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 MDL2HANDPV 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:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
```

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

'thr'] Running test for thr

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

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

'thr'] in readxml,bf readxml,size(post_avblflds%param)= 225

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 225

sum num_post_afld : 225

allocate param to : 263

sum num_post_afld : 488

in readxml, aft read flat file.xml,num_post_afld= 263

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

Size of pset is: 263

datset is: PRSLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 263

in readxml. nfld= 263 nrecout= 1083

PROCESS starts

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

'thr'] PROCESS MDLFLD done

'dcp'] ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

PROCESS MISCLN done

ient,iget = 1007 -1

ient,iget = 1007 -1

ient,iget = 1008 -1


```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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 =      1008      -1
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: 225

datset is: NATLEV

MXFLD is: 1200

size of lvlsxml: 244000

size of post_avblflds param 225

```
in readxml. nfld=      225 nrecout=      2051
```

```
PROCESS starts
```

```
PROCESS MDLFLD done
```

```
'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
```

```
'bit'] in readxml,bf readxml,size(post_avblflds%param)=      47
```

```
xml_perl_data read Post flat file
```

```
allocate paramset to :      2
```

```
allocate param to :      112
```

```
sum num_post_afld :      112
```

```
allocate param to :      209
```

```
sum num_post_afld :      321
```

```
in readxml, aft read flat file.xml,num_post_afld=      209
```

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

```
Size of pset is:      209
```

```
datset is: GFSPRS
```

```
MXFLD is:      1200
```

```
size of lvlxml:      160500
```

```
size of post_avblflds param      209
```

```
in readxml. nfld=      209 nrecout=      1108
```

```
PROCESS starts
```

```
PROCESS MDLFLD done
```

```
PROCESS MDL2P done
```

```
PROCESS MDL2SIGMA done
```

```
PROCESS MDL2SIGMA2 done
```

```
PROCESS MDL2AGL done
```

```
PROCESS SURFCE done
```

```
PROCESS CLDRAD done
```

```
PROCESS MISCLN done
```

```
PROCESS MDL2STD_P done
```

```
PROCESS FIXED done
```

```
MDL2THANDPV starts
```

```
MDL2THANDPV ends
```

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

```
ient,iget =      1008      -1
```

```
ient,iget =      1009      -1
```

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

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

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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:      112
datset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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 =      1007      -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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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'] 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
```

'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
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
```

'thr'] PROCESS CLDRAD done

'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'] 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
```

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

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

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

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

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

'mpi'] creating freezing of water drops table

... DONE microphysical lookup tables

'thr'] Size of pset is: 225

datset is: NATLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 225

in readxml. nfld= 225 nrecout= 2051

PROCESS starts

'dbg'] 1ff3978cbb81: Download complete

'dcp'] PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

PROCESS CLDRAD done

ient,iget = 1007 222

ient,iget = 1007 222

ient,iget = 1007 222

ient,iget = 1008 223

PROCESS MISCLN done

ient,iget = 1008 223

ient,iget = 1007 222

ient,iget = 1009 224

ient,iget = 1007 222

PROCESS MDL2STD_P done

ient,iget = 1009 224

ient,iget = 1008 223

PROCESS FIXED done

MDL2THANDPV starts

ient,iget = 1007 222

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget = 1007 222

ient,iget = 1007 222

ient,iget = 1010 225

ient,iget = 1009 224

ient,iget = 1008 223

ient,iget = 1007 222

ient,iget = 1008 223

ient,iget = 1008 223

ient,iget = 1009 224

```

ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
PROCESS done
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225

```

'thr'] PROCESS MDLFLD done

```

'dcp'] in readxml,bf readxml,size(post_avblflds%param)=      1
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      47
sum num_post_afld :      47
allocate param to :      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 lvlsxml:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
```

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

```

allocate param to :          156
sum num_post_afld :         203
in readxml, aft read flat file.xml,num_post_afld=          156
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          156
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          101500
size of post_avblflds param          156
in readxml. nfld=          156 nrecout=          1055

```

PROCESS starts

PROCESS MDLFLD done

PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

PROCESS CLDRAD done

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

'thr'] 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

'mpi'] MDL2THANDPV ends

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1


```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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
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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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'] ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1010      225
```

```

ient,iget =      1009      224
ient,iget =      1009      224
PROCESS MISCLN done
PROCESS MDL2STD_P done
ient,iget =      1008      223
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1010      225
PROCESS done
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225

```

```

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

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

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

```
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
in readxml,bf readxml,size(post_avblflds%param)=          112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
dataset is: GFSPRS
MXFLD is:          1200
size of 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
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
```



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

```

Running test for rst

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

'dbg'] 1ff3978cbb81: Pull complete

Digest: sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Status: Downloaded newer image for noaaepic/input-data:20221101

'rst'] ++ 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

```

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

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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
Size of pset is:          112
datset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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)=      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 lvlsxml:      160500
size of post_avblflds param      209
in readxml. nflid=      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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

```
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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:          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 =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -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 = 1007 -1
 ient,iget = 1008 -1
 ient,iget = 1009 -1
 ient,iget = 1010 -1
 ient,iget = 1008 -1
 ient,iget = 1009 -1
 ient,iget = 1010 -1
 ient,iget = 1007 -1
 ient,iget = 1008 -1
 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
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
```

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

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      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 =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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'] c41eebf1f11671c179ec80aa632b1557a92cbf87d9f37ab851b19b9f973de3eb

```

[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
7e910a04880e
WARNING: UNKNOWN PLATFORM
test name: cpld_control_nowave_noaero_p8
cases to compile: dbg
compiling dbg with compile option -DAPP=S2SW -DCCPP_SUITES=FV3_GFS_v17_coupled_p8 -
DDEBUG=ON
'bit'] in readxml,bf readxml,size(post_avblflds%param)=          112
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          112
sum num_post_afld :          112
allocate param to :          209
sum num_post_afld :          321
in readxml, aft read flat file.xml,num_post_afld=          209
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          209
datset is: GFSPRS
MXFLD is:          1200
size of lvlxml:          160500
size of post_avblflds param          209
in readxml. nfld=          209 nrecout=          1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
ient,iget =          1007          -1
ient,iget =          1008          -1

```

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

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

```
baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_bit_base
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_bit_base
Checking test bit_base control_p8 results ....
Moving baseline bit_base control_p8 files ....
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
```

Moving atmf021.ncOK
Moving atmf024.ncOK
Moving GFSFLX.GrbF00OK
Moving GFSFLX.GrbF21OK
Moving GFSFLX.GrbF24OK
Moving GFSPRS.GrbF00OK
Moving GFSPRS.GrbF21OK
Moving GFSPRS.GrbF24OK
Moving RESTART/20210323.060000.coupler.resOK
Moving RESTART/20210323.060000.fv_core.res.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.ncOK
Moving RESTART/20210323.060000.phy_data.tile1.ncOK
Moving RESTART/20210323.060000.phy_data.tile2.ncOK
Moving RESTART/20210323.060000.phy_data.tile3.ncOK
Moving RESTART/20210323.060000.phy_data.tile4.ncOK
Moving RESTART/20210323.060000.phy_data.tile5.ncOK
Moving RESTART/20210323.060000.phy_data.tile6.ncOK
Moving RESTART/20210323.060000.sfc_data.tile1.ncOK
Moving RESTART/20210323.060000.sfc_data.tile2.ncOK
Moving RESTART/20210323.060000.sfc_data.tile3.ncOK
Moving RESTART/20210323.060000.sfc_data.tile4.ncOK
Moving RESTART/20210323.060000.sfc_data.tile5.ncOK
Moving RESTART/20210323.060000.sfc_data.tile6.ncOK

The total amount of wall time = 1628.216501

The maximum resident set size (KB) = 1490952

Test bit_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:29m:54s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

'bit'] ++ docker image ls

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

++ awk '{ print \$3 }'

+ docker rmi -f e51a6ceb2ff8

Untagged: ci-test-weather:latest

Deleted: sha256:e51a6ceb2ff835c9542ca9919b3a5509d2fd8417c7712a41df172543c5e0b158

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 06d1be41bd15

'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
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 lvlsxml:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
```

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

'bit'] Untagged: noaaepic/input-data:20221101

Untagged: noaaepic/input-

data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Deleted: sha256:06d1be41bd15c135d75e718cde29dbea0882409707a052d96df384beccafd181

Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d

Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a

[Pipeline] }

[Pipeline] // withEnv

```

[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'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
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1

```

```
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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ient,iget =      1007      -1
ient,iget =      1008      -1
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 lvlsxml:    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
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'] 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

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

```

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

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

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

```
PROCESS done
```

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

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

```
baseline dir =
```

```
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base
```

```
working dir =
```

```
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_std_base
```

```
Checking test std_base control_p8 results ....
```

```
Moving baseline std_base control_p8 files ....
Moving sfcf000.nc .....OK
Moving sfcf021.nc .....OK
Moving sfcf024.nc .....OK
Moving atmf000.nc .....OK
Moving atmf021.nc .....OK
Moving atmf024.nc .....OK
Moving GFSFLX.GrbF00 .....OK
Moving GFSFLX.GrbF21 .....OK
Moving GFSFLX.GrbF24 .....OK
Moving GFSPRS.GrbF00 .....OK
Moving GFSPRS.GrbF21 .....OK
Moving GFSPRS.GrbF24 .....OK
Moving RESTART/20210323.060000.coupler.res .....OK
Moving RESTART/20210323.060000.fv_core.res.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
```

Moving RESTART/20210323.060000.sfc_data.tile6.ncOK

The total amount of wall time = 1584.832602

The maximum resident set size (KB) = 1439704

Test std_base control_p8 PASS

baseline dir =

/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_thr

Checking test thr control_p8 results

Comparing sfcf000.ncOK

Comparing sfcf021.ncOK

Comparing sfcf024.ncOK

Comparing atmf000.ncOK

Comparing atmf021.ncOK

Comparing atmf024.ncOK

Comparing GFSFLX.GrbF00OK

Comparing GFSFLX.GrbF21OK

Comparing GFSFLX.GrbF24OK

Comparing GFSPRS.GrbF00OK

Comparing GFSPRS.GrbF21OK

Comparing GFSPRS.GrbF24OK

Comparing RESTART/20210323.060000.coupler.resOK

Comparing RESTART/20210323.060000.fv_core.res.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile1.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile2.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile3.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile4.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile5.ncOK

Comparing RESTART/20210323.060000.fv_core.res.tile6.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK

Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile1.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile2.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile3.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile4.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile5.ncOK

Comparing RESTART/20210323.060000.fv_tracer.res.tile6.ncOK

```

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

```

```

The total amount of wall time           = 971.217507
The maximum resident set size (KB)     = 1728240

```

Test thr control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:45m:42s. 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 79033de586ea
```

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

```
Deleted: sha256:79033de586ea2cbb6e3b1bfa5b98be35aaedbf0bf16dd0f67b53a33fc9fbcfbf2
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 06d1be41bd15
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
```

```
Deleted: sha256:06d1be41bd15c135d75e718cde29d9bea0882409707a052d96df384beccafd181
```

```
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
```

```
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
```

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

```

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



```

PROCESS MDL2HANDPV 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)=          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 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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
```

```
ient,iget =      1008      -1
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 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:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
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
PROCESS FIXED done
ient,iget =      1009      -1
ient,iget =      1010      -1
MDL2THANDPV starts
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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)=          225
xml_perl_data read Post flat file
allocate paramset to :                2
allocate param to :                   225
sum num_post_afld :                   225
allocate param to :                   263
sum num_post_afld :                   488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:                      263
datset is: PRSLEV
MXFLD is:                             1200
size of lvlsxml:                      244000
size of post_avblflds param           263
in readxml. nfld=                      263 nrecout=          1083
PROCESS starts
PROCESS MDLFLD done
'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
'dcp'] PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
numr,dyval,DY_m=                      0   3000000  333600.000
PROCESS CLDRAD done
ient,iget =                            1007        -1
ient,iget =                            1007        -1
ient,iget =                            1007        -1

```

```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
PROCESS MISCLN done
PROCESS MDL2STD_P done
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
Size of pset is:          225
datset is: NATLEV
MXFLD is:          1200
size of lvlxml:          244000
size of post_avblflds param          225
in readxml. nfld=          225 nrecout=          2051
PROCESS starts
PROCESS MDLFLD done
'thr'] in readxml,bf readxml,size(post_avblflds%param)=          225
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          225
sum num_post_afld :          225
allocate param to :          263
sum num_post_afld :          488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          263
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          244000
size of post_avblflds param          263
in readxml. nfld=          263 nrecout=          1083
PROCESS starts
'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

ient,iget = 1007 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1

ient,iget = 1009 -1

ient,iget = 1010 -1

ient,iget = 1007 -1

ient,iget = 1008 -1


```
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 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 =      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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/20210323.060000.coupler.res .....OK  
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK  
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK  
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK  
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile1.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile2.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile3.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile4.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile5.nc .....OK  
Comparing RESTART/20210323.060000.phy_data.tile6.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile1.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile2.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile3.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile4.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile5.nc .....OK  
Comparing RESTART/20210323.060000.sfc_data.tile6.nc .....OK  
Comparing atmF024.nc .....OK  
Comparing sfcF024.nc .....OK
```

```
The total amount of wall time = 821.376923  
The maximum resident set size (KB) = 814904
```

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.ncOK

Moving sfcf021.ncOK

Moving sfcf024.ncOK

Moving atmf000.ncOK

Moving atmf021.ncOK

Moving atmf024.ncOK

Moving GFSFLX.GrbF00OK

Moving GFSFLX.GrbF21OK

Moving GFSFLX.GrbF24OK

Moving GFSPRS.GrbF00OK

Moving GFSPRS.GrbF21OK

Moving GFSPRS.GrbF24OK

Moving RESTART/20210323.060000.coupler.resOK

Moving RESTART/20210323.060000.fv_core.res.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile3.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile4.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile5.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile6.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK

Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile2.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile3.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile4.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile5.ncOK

Moving RESTART/20210323.060000.fv_tracer.res.tile6.ncOK

Moving RESTART/20210323.060000.phy_data.tile1.ncOK

Moving RESTART/20210323.060000.phy_data.tile2.ncOK

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

The total amount of wall time = 1565.004418

The maximum resident set size (KB) = 1442240

Test std_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:42m:47s. 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 a03719de29df
```

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

```
Deleted: sha256:a03719de29df6c682e881fd0f59ba1bc5b0a88da24c9a45c56e15ee26e377e04
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 06d1be41bd15
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
```

```
Deleted: sha256:06d1be41bd15c135d75e718cde29d9bea0882409707a052d96df384beccafd181
```

```
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
```

```
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
```

[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
'thr'] PROCESS MDLFLD done
'dcp'] PROCESS MDL2P done
      PROCESS MDL2SIGMA done
      PROCESS MDL2SIGMA2 done
      PROCESS MDL2AGL done
      PROCESS SURFCE done
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      numr,dyval,DY_m=           0      3000000  333600.000
      PROCESS CLDRAD done
'dbg']   creating freezing of water drops table
      ... DONE microphysical lookup tables
'dcp'] ient,iget =           1007           222
      ient,iget =           1007           222
      ient,iget =           1007           222
      ient,iget =           1007           222
      ient,iget =           1008           223
      ient,iget =           1009           224
      ient,iget =           1007           222
      ient,iget =           1010           225
      ient,iget =           1008           223
      ient,iget =           1009           224
      ient,iget =           1007           222
      ient,iget =           1008           223
      ient,iget =           1010           225
      PROCESS MISCLN done
      ient,iget =           1007           222

```

```

ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225

```

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

```
ient,iget =      1007      222
```

```
ient,iget =      1008      223
```

```
ient,iget =      1009      224
```

```
ient,iget =      1010      225
```

PROCESS done

```
ient,iget =      1010      225
```

Running test for dcp

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

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

'thr'] 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
```

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 =          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 =          1007          -1
```

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

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

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

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

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

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

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

```
ient,iget =          1008          -1
```

```
ient,iget =          1009          -1
```

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

```
ient,iget =          1008          -1
```

```
ient,iget =          1008          -1
```



```

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

```

Size of pset is: 225

datset is: NATLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 225

in readxml. nfld= 225 nrecout= 2051

PROCESS starts

'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


```
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
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:      112
dataset is: GFSFLX
MXFLD is:      1200
size of lvlsxml:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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
```

'dcp']

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

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

WARNING from PE 31: atmos_modeldefine_blocks_packed: domain (64 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 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 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 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 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 19: atmos_modeldefine_blocks_packed: domain (64 16) is not an even divisor with definition (28) - blocks will not be uniform with a remainder of 16

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

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

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

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

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

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

WARNING from PE 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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

'thr'] PROCESS MDLFLD done

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

calling table_ccnAct routine

creating qc collision eff tables

creating rain evap table

creating ice converting to snow table

creating rain collecting graupel table

creating freezing of water drops table

... DONE microphysical lookup tables

'thr'] 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 222

ient,iget = 1007 222

ient,iget = 1007 222

PROCESS MISCLN done

PROCESS MDL2STD_P done

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget =	1007	222
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1007	222
ient,iget =	1009	224
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1010	225
ient,iget =	1008	223

PROCESS done

ient,iget =	1009	224
ient,iget =	1010	225
ient,iget =	1008	223
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1009	224
ient,iget =	1009	224
ient,iget =	1010	225
ient,iget =	1008	223
ient,iget =	1010	225
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1009	224
ient,iget =	1007	222
ient,iget =	1009	224
ient,iget =	1008	223
ient,iget =	1008	223
ient,iget =	1009	224
ient,iget =	1008	223
ient,iget =	1010	225
ient,iget =	1010	225
ient,iget =	1009	224
ient,iget =	1010	225
ient,iget =	1009	224
ient,iget =	1009	224
ient,iget =	1010	225
ient,iget =	1010	225
ient,iget =	1010	225

Running test for thr

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

++ mpiexec -n 70 ./fv3.exe

```
'dcp'] in readxml,bf readxml,size(post_avblflds%param)= 1
xml_perl_data read Post flat file
allocate paramset to : 2
allocate param to : 225
sum num_post_afld : 225
allocate param to : 263
sum num_post_afld : 488
in readxml, aft read flat file.xml,num_post_afld= 263
in readxml, aft read flat file.xml,num_pset= 2
Size of pset is: 263
datset is: PRSLEV
MXFLD is: 1200
size of lvlsxml: 244000
size of post_avblflds param 263
in readxml. nfld= 263 nrecout= 1083
PROCESS starts
PROCESS MDLFLD done
```

```
'thr']
```

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

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

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

WARNING from PE 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 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 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 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 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 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 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 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 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

'dcp'] PROCESS MDL2P done

PROCESS MDL2SIGMA done

PROCESS MDL2SIGMA2 done

PROCESS MDL2AGL done

PROCESS SURFCE done

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

numr,dyval,DY_m= 0 3000000 333600.000

'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

'dcp'] PROCESS CLDRAD done

'thr'] creating freezing of water drops table

... DONE microphysical lookup tables

'dcp'] 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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
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:      225
dataset is: NATLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      225
in readxml. nfld=      225 nrecout=      2051
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
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
PROCESS done
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1008      223

```

```

ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225

```

```

'thr'] in readxml,bf readxml,size(post_avblflds%param)=      1
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      225
sum num_post_afld :      225
allocate param to :      263
sum num_post_afld :      488
in readxml, aft read flat file.xml,num_post_afld=      263
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      263
datset is: PRSLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      263
in readxml. nfld=      263 nrecout=      1083

```

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

```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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: 225

datset is: NATLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 225

in readxml. nfld= 225 nrecout= 2051

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
```

```
numr,dyval,DY_m=      0      3000000  333600.000
PROCESS CLDRAD done
ient,iget =          1007      222
ient,iget =          1007      222
ient,iget =          1008      223
PROCESS MISCLN done
ient,iget =          1007      222
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =          1007      222
ient,iget =          1008      223
ient,iget =          1009      224
ient,iget =          1008      223
ient,iget =          1007      222
ient,iget =          1008      223
ient,iget =          1007      222
ient,iget =          1007      222
ient,iget =          1009      224
ient,iget =          1009      224
ient,iget =          1008      223
ient,iget =          1007      222
ient,iget =          1010      225
ient,iget =          1008      223
ient,iget =          1008      223
ient,iget =          1010      225
ient,iget =          1010      225
ient,iget =          1007      222
ient,iget =          1009      224
ient,iget =          1008      223
ient,iget =          1009      224
ient,iget =          1009      224
ient,iget =          1009      224
ient,iget =          1010      225
ient,iget =          1009      224
ient,iget =          1010      225
ient,iget =          1010      225
ient,iget =          1010      225
ient,iget =          1010      225
ient,iget =          1008      223
ient,iget =          1010      225
PROCESS done
```

```

ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
'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 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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1

```



```
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 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: 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 =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1007          -1
ient,iget =          1008          -1
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
ient,iget =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
cat: '/home/builder/ufs-weather-
model/tests/log_opnReqTest_linux.gnu/compile_*_time.log': No such file or directory
```

baseline dir =

/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/control_p8_std_base

working dir = /home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/control_p8_dcp

Checking test dcp control_p8 results

```
Comparing sfcf000.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
```

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

```
The total amount of wall time           = 1536.940950
The maximum resident set size (KB)     = 1446892
```

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.ncOK

Moving sfcf021.ncOK
Moving sfcf024.ncOK
Moving atmf000.ncOK
Moving atmf021.ncOK
Moving atmf024.ncOK
Moving GFSFLX.GrbF00OK
Moving GFSFLX.GrbF21OK
Moving GFSFLX.GrbF24OK
Moving GFSPRS.GrbF00OK
Moving GFSPRS.GrbF21OK
Moving GFSPRS.GrbF24OK
Moving RESTART/20210323.060000.coupler.resOK
Moving RESTART/20210323.060000.fv_core.res.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_core.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.ncOK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.ncOK
Moving RESTART/20210323.060000.phy_data.tile1.ncOK
Moving RESTART/20210323.060000.phy_data.tile2.ncOK
Moving RESTART/20210323.060000.phy_data.tile3.ncOK
Moving RESTART/20210323.060000.phy_data.tile4.ncOK
Moving RESTART/20210323.060000.phy_data.tile5.ncOK
Moving RESTART/20210323.060000.phy_data.tile6.ncOK
Moving RESTART/20210323.060000.sfc_data.tile1.ncOK
Moving RESTART/20210323.060000.sfc_data.tile2.ncOK
Moving RESTART/20210323.060000.sfc_data.tile3.ncOK
Moving RESTART/20210323.060000.sfc_data.tile4.ncOK
Moving RESTART/20210323.060000.sfc_data.tile5.ncOK
Moving RESTART/20210323.060000.sfc_data.tile6.ncOK

```
The total amount of wall time           = 1520.616019
The maximum resident set size (KB)      = 1444240
```

```
Test std_base control_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 00h:53m:59s. Have a nice day!
```

```
opnReqTest finished
```

```
[Pipeline] }
```

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

```
Post stage
```

```
[Pipeline] sh
```

```
'dcp'] ++ docker image ls
```

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

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

```
+ docker rmi -f 61dfd2c06463
```

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

```
Deleted: sha256:61dfd2c0646343061a5100ecacafb7654372f48f0cad89761004f9b06e244661
```

```
++ docker image ls
```

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

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

```
+ docker rmi -f 06d1be41bd15
```

```
Untagged: noaaepic/input-data:20221101
```

```
Untagged: noaaepic/input-
```

```
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
```

```
Deleted: sha256:06d1be41bd15c135d75e718cde29d9bea0882409707a052d96df384beccafd181
```

```
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
```

```
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
```

```
[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

```
'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

ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
ient,iget =	1009	-1
ient,iget =	1010	-1
ient,iget =	1007	-1
ient,iget =	1008	-1
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 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:      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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
PROCESS done
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
in readxml,bf readxml,size(post_avblflds%param)=      112
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      112
sum num_post_afld :      112
allocate param to :      209
sum num_post_afld :      321
in readxml, aft read flat file.xml,num_post_afld=      209
in readxml, aft read flat file.xml,num_pset=      2
```

```
Size of pset is:          209
dataset is: GFSPRS
MXFLD is:                1200
size of lvlxml:          160500
size of post_avblflds param      209
in readxml. nfld=        209 nrecout=      1108
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL done
PROCESS SURFCE done
PROCESS CLDRAD done
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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 lvlsxml: 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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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
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_6/control_p8_mpi
Checking test mpi control_p8 results ....
Comparing sfcf000.nc .....OK
Comparing sfcf021.nc .....OK
Comparing sfcf024.nc .....OK
Comparing atmf000.nc .....OK
Comparing atmf021.nc .....OK
Comparing atmf024.nc .....OK
Comparing GFSFLX.GrbF00 .....OK
Comparing GFSFLX.GrbF21 .....OK
Comparing GFSFLX.GrbF24 .....OK
Comparing GFSPRS.GrbF00 .....OK
Comparing GFSPRS.GrbF21 .....OK
Comparing GFSPRS.GrbF24 .....OK
Comparing RESTART/20210323.060000.coupler.res .....OK
Comparing RESTART/20210323.060000.fv_core.res.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
```

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

```
The total amount of wall time           = 1970.204934
The maximum resident set size (KB)     = 1585276
```

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_6/control_p8_std_base

Checking test std_base control_p8 results

Moving baseline std_base control_p8 files

Moving sfcf000.ncOK

Moving sfcf021.ncOK

Moving sfcf024.ncOK

Moving atmf000.ncOK

Moving atmf021.ncOK

Moving atmf024.ncOK

Moving GFSFLX.GrbF00OK

Moving GFSFLX.GrbF21OK

Moving GFSFLX.GrbF24OK

Moving GFSPRS.GrbF00OK

Moving GFSPRS.GrbF21OK

Moving GFSPRS.GrbF24OK

Moving RESTART/20210323.060000.coupler.resOK

Moving RESTART/20210323.060000.fv_core.res.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK


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

The total amount of wall time = 1538.116845

The maximum resident set size (KB) = 1446000

Test std_base control_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 01h:01m:36s. 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 c92867b3ed99
Untagged: ci-test-weather:latest
Deleted: sha256:c92867b3ed9949337ef503c7617eb11902c0a3ade1cf66e511ccfd292164d119
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 06d1be41bd15
Untagged: noaaepic/input-data:20221101
Untagged: noaaepic/input-
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Deleted: sha256:06d1be41bd15c135d75e718cde29dbea0882409707a052d96df384beccafd181
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'thr'] reset of fraction_interval w          5  10800.0000
reset of fraction_interval w          5  10800.0000
reset of fraction_interval u          5  10800.0000
reset of fraction_interval u          5  10800.0000
reset of fraction_interval v          5  10800.0000
reset of fraction_interval v          5  10800.0000
in readxml,bf readxml,size(post_avblflds%param)=          225
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          225
sum num_post_afld :          225
allocate param to :          263
sum num_post_afld :          488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          263
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          244000
size of post_avblflds param          263
in readxml. nfld=          263 nrecout=          1083
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

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

```
ient,iget =      1009      -1
ient,iget =      1010      -1
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
Size of pset is:      225
datset is: NATLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      225
in readxml. nfld=      225 nrecout=      2051
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      222
ient,iget =      1007      222
ient,iget =      1007      222
PROCESS MISCLN done
PROCESS MDL2STD_P done
ient,iget =      1008      223
PROCESS FIXED done
ient,iget =      1008      223
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1008      223
PROCESS done
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
```

```

    ient,iget =      1010      225
    ient,iget =      1007      222
    ient,iget =      1008      223
    ient,iget =      1009      224
    ient,iget =      1010      225
'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)=      225
xml_perl_data read Post flat file
allocate paramset to :      2
allocate param to :      225
sum num_post_afld :      225
allocate param to :      263
sum num_post_afld :      488
in readxml, aft read flat file.xml,num_post_afld=      263
in readxml, aft read flat file.xml,num_pset=      2
Size of pset is:      263
datset is: PRSLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      263
in readxml. nfld=      263 nrecout=      1083
PROCESS starts
PROCESS MDLFLD done
PROCESS MDL2P done
PROCESS MDL2SIGMA done
PROCESS MDL2SIGMA2 done
PROCESS MDL2AGL 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
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
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
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -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 =      1007      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1008      -1
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:      225
dataset is: NATLEV
MXFLD is:      1200
size of lvlxml:      244000
size of post_avblflds param      225
in readxml. nfld=      225 nrecout=      2051
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      222
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224

```



```
ient,iget =      1010      225
ient,iget =      1010      225
PROCESS done
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1007      222
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
```

```
'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_b
ase

working dir =

/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_r
st

Checking test rst cpld_control_nowave_noaero_p8 results

Comparing RESTART/20210323.060000.MOM.res.ncOK

Comparing RESTART/20210323.060000.coupler.resOK

Comparing RESTART/20210323.060000.fv_core.res.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile1.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile2.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile3.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile4.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile5.ncOK
Comparing RESTART/20210323.060000.fv_core.res.tile6.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile1.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile2.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile3.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile4.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile5.ncOK
Comparing RESTART/20210323.060000.fv_srf_wnd.res.tile6.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile1.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile2.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile3.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile4.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile5.ncOK
Comparing RESTART/20210323.060000.fv_tracer.res.tile6.ncOK
Comparing RESTART/20210323.060000.phy_data.tile1.ncOK
Comparing RESTART/20210323.060000.phy_data.tile2.ncOK
Comparing RESTART/20210323.060000.phy_data.tile3.ncOK
Comparing RESTART/20210323.060000.phy_data.tile4.ncOK
Comparing RESTART/20210323.060000.phy_data.tile5.ncOK
Comparing RESTART/20210323.060000.phy_data.tile6.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile1.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile2.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile3.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile4.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile5.ncOK
Comparing RESTART/20210323.060000.sfc_data.tile6.ncOK
Comparing RESTART/iced.2021-03-23-21600.ncOK
Comparing RESTART/ufs.cpld.cpl.r.2021-03-23-21600.ncOK
Comparing atmf024.tile1.ncOK
Comparing atmf024.tile2.ncOK
Comparing atmf024.tile3.ncOK
Comparing atmf024.tile4.ncOK
Comparing atmf024.tile5.ncOK
Comparing atmf024.tile6.ncOK
Comparing sfcf024.tile1.ncOK
Comparing sfcf024.tile2.ncOK
Comparing sfcf024.tile3.ncOK
Comparing sfcf024.tile4.ncOK
Comparing sfcf024.tile5.ncOK

Comparing sfcf024.tile6.ncOK

The total amount of wall time = 1397.320353

The maximum resident set size (KB) = 1465688

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/20210323.060000.coupler.resOK

Moving RESTART/20210323.060000.fv_core.res.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile1.ncOK

Moving RESTART/20210323.060000.fv_core.res.tile2.ncOK

```
Moving RESTART/20210323.060000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210323.060000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile1.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile2.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile3.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile4.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile5.nc .....OK
Moving RESTART/20210323.060000.phy_data.tile6.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile1.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile2.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile3.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile4.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile5.nc .....OK
Moving RESTART/20210323.060000.sfc_data.tile6.nc .....OK
Moving RESTART/20210323.060000.MOM.res.nc .....OK
Moving RESTART/iced.2021-03-23-21600.nc .....OK
Moving RESTART/ufs.cpld.cpl.r.2021-03-23-21600.nc .....OK
```

```
The total amount of wall time           = 2703.040027
The maximum resident set size (KB)     = 1965804
```

```
Test std_base cpld_control_nowave_noaero_p8 PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 01h:12m:29s. 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 cbc02112e4e5
Untagged: ci-test-weather:latest
Deleted: sha256:cbc02112e4e5454b02edcae4ad863ea4e25d37f592ea92cc3ce63f7e69d6d43e
++ docker image ls
++ grep -E -m1 noaaepic
++ awk '{ print $3 }'
+ docker rmi -f 06d1be41bd15
Untagged: noaaepic/input-data:20221101
Untagged: noaaepic/input-
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a
Deleted: sha256:06d1be41bd15c135d75e718cde29dbea0882409707a052d96df384beccafd181
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
'dbg'] cat: '/home/builder/ufs-weather-
model/tests/log_opnReqTest_linux.gnu/compile_*_time.log': No such file or directory

baseline dir =
/home/builder/stmp4/builder/FV3_OPNREQ_TEST/OPNREQ_TEST/cpld_control_c96_noaero_p8_dbg_b
ase
working dir =
/home/builder/stmp2/builder/FV3_OPNREQ_TEST/opnReqTest_7/cpld_control_nowave_noaero_p8_d
bg_base
Checking test dbg_base cpld_control_nowave_noaero_p8 results ....
Moving baseline dbg_base cpld_control_nowave_noaero_p8 files ....
  Moving sfcf003.tile1.nc .....OK
  Moving sfcf003.tile2.nc .....OK
  Moving sfcf003.tile3.nc .....OK
  Moving sfcf003.tile4.nc .....OK
  Moving sfcf003.tile5.nc .....OK
  Moving sfcf003.tile6.nc .....OK
  Moving atmf003.tile1.nc .....OK
  Moving atmf003.tile2.nc .....OK
```

```
Moving atmf003.tile3.nc .....OK
Moving atmf003.tile4.nc .....OK
Moving atmf003.tile5.nc .....OK
Moving atmf003.tile6.nc .....OK
Moving RESTART/20210322.090000.coupler.res .....OK
Moving RESTART/20210322.090000.fv_core.res.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile1.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile2.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile3.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile4.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile5.nc .....OK
Moving RESTART/20210322.090000.fv_core.res.tile6.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile1.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile2.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile3.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile4.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile5.nc .....OK
Moving RESTART/20210322.090000.fv_srf_wnd.res.tile6.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile1.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile2.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile3.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile4.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile5.nc .....OK
Moving RESTART/20210322.090000.fv_tracer.res.tile6.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile1.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile2.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile3.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile4.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile5.nc .....OK
Moving RESTART/20210322.090000.phy_data.tile6.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile1.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile2.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile3.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile4.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile5.nc .....OK
Moving RESTART/20210322.090000.sfc_data.tile6.nc .....OK
Moving RESTART/20210322.090000.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 = 2275.801527

The maximum resident set size (KB) = 1979816

Test dbg_base cpld_control_nowave_noaero_p8 PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

Elapsed time: 00h:39m:29s. Have a nice day!

opnReqTest finished

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

'dbg'] ++ docker image ls

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

++ awk '{ print \$3 }'

+ docker rmi -f 63c2fcb6acb9

Untagged: ci-test-weather:latest

Deleted: sha256:63c2fcb6acb942bbcd0ee5955859bef318c6f7e90f71791777e0b5af4c0b41c3

++ docker image ls

++ grep -E -m1 noaaepic

++ awk '{ print \$3 }'

+ docker rmi -f 06d1be41bd15

Untagged: noaaepic/input-data:20221101

Untagged: noaaepic/input-

data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Deleted: sha256:06d1be41bd15c135d75e718cde29dbea0882409707a052d96df384beccafd181

Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d

Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a

[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)= 225

xml_perl_data read Post flat file

allocate paramset to : 2

allocate param to : 225

sum num_post_afld : 225

```
allocate param to :          263
sum num_post_afld :         488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=                2
Size of pset is:          263
datset is: PRSLEV
MXFLD is:          1200
size of lvlxml:          244000
size of post_avblflds param          263
in readxml. nfld=          263 nrecout=          1083
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 =          1007          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
ient,iget =          1008          -1
ient,iget =          1009          -1
ient,iget =          1010          -1
```



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

Size of pset is: 225

datset is: NATLEV

MXFLD is: 1200

size of lvlxml: 244000

size of post_avblflds param 225

in readxml. nfld= 225 nrecout= 2051

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	222
ient,iget =	1008	223
ient,iget =	1007	222

PROCESS MISCLN done

PROCESS MDL2STD_P done

ient,iget =	1007	222
ient,iget =	1009	224

PROCESS FIXED done

MDL2THANDPV starts

MDL2THANDPV ends

PROCESS MDL2THANDPV done

PROCESS CALRAD_WCLOUD done

ient,iget =	1007	222
ient,iget =	1007	222
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1010	225
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1008	223
ient,iget =	1008	223
ient,iget =	1007	222
ient,iget =	1009	224
ient,iget =	1009	224
ient,iget =	1009	224
ient,iget =	1008	223
ient,iget =	1008	223
ient,iget =	1009	224
ient,iget =	1008	223
ient,iget =	1010	225
ient,iget =	1007	222
ient,iget =	1010	225

```

ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1008      223
ient,iget =      1010      225

```

PROCESS done

```

ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225

```

```

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.ncOK

Moving dynf006.ncOK

Moving phyf000.ncOK

Moving phyf006.ncOK

Moving PRSLEV.GrbF00OK

Moving PRSLEV.GrbF06OK

Moving NATLEV.GrbF00OK

Moving NATLEV.GrbF06OK

The total amount of wall time = 2961.600320

The maximum resident set size (KB) = 812240

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.ncOK

Comparing dynf006.ncOK

Comparing phyf000.ncOK

Comparing phyf006.ncOK

Comparing PRSLEV.GrbF00OK

Comparing PRSLEV.GrbF06OK

Comparing NATLEV.GrbF00OK

Comparing NATLEV.GrbF06OK

The total amount of wall time = 1900.983443

The maximum resident set size (KB) = 757072

Test thr regional_control PASS

OPERATION REQUIREMENT TEST WAS SUCCESSFUL

opnReqTest finished

Elapsed time: 01h:23m:59s. Have a nice day!

[Pipeline] }

[Pipeline] // stage

Post stage

[Pipeline] sh

'thr'] ++ docker image ls

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

++ awk '{ print \$3 }'

+ docker rmi -f 2d9b3f48538d

Untagged: ci-test-weather:latest

Deleted: sha256:2d9b3f48538dd7aac991da42f5da3ecca35be73d75d725db079463d55129fd71

++ grep -E -m1 noaaepic

++ docker image ls

++ awk '{ print \$3 }'

+ docker rmi -f 06d1be41bd15

Untagged: noaaepic/input-data:20221101

Untagged: noaaepic/input-

data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a

Deleted: sha256:06d1be41bd15c135d75e718cde29d9bea0882409707a052d96df384beccafd181

Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d

Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a

[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)=          225
xml_perl_data read Post flat file
allocate paramset to :          2
allocate param to :          225
sum num_post_afld :          225
allocate param to :          263
sum num_post_afld :          488
in readxml, aft read flat file.xml,num_post_afld=          263
in readxml, aft read flat file.xml,num_pset=          2
Size of pset is:          263
datset is: PRSLEV
MXFLD is:          1200
size of lvlsxml:          244000
size of post_avblflds param          263
in readxml. nfld=          263 nrecout=          1083
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 =      1007      -1
ient,iget =      1008      -1
ient,iget =      1009      -1
ient,iget =      1010      -1
ient,iget =      1007      -1
ient,iget =      1008      -1
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:      225
datset is: NATLEV
MXFLD is:      1200
size of lvlsxml:      244000
size of post_avblflds param      225
in readxml. nfld=      225 nrecout=      2051
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      222
PROCESS MISCLN done
PROCESS MDL2STD_P done
PROCESS FIXED done
MDL2THANDPV starts
MDL2THANDPV ends
PROCESS MDL2THANDPV done
PROCESS CALRAD_WCLOUD done
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
```

```
ient,iget =      1010      225
PROCESS done
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1007      222
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1009      224
ient,iget =      1007      222
ient,iget =      1010      225
ient,iget =      1010      225
ient,iget =      1008      223
ient,iget =      1008      223
ient,iget =      1009      224
ient,iget =      1009      224
ient,iget =      1010      225
ient,iget =      1010      225
```

```
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           = 2383.601014
The maximum resident set size (KB)      = 749316
```

```
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           = 2908.578229
The maximum resident set size (KB)      = 808276
```

```
Test std_base regional_control PASS
```

```
OPERATION REQUIREMENT TEST WAS SUCCESSFUL
```

```
Elapsed time: 01h:31m:11s. 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 a27115ef8ff5
Untagged: ci-test-weather:latest
Deleted: sha256:a27115ef8ff558d08037f0b8c0a53e6beca9f3ca820be0c53ebd85409d69e607
++ docker image ls
++ grep -E -m1 noaaepic
```

```
++ awk '{ print $3 }'  
+ docker rmi -f 06d1be41bd15  
Untagged: noaaepic/input-data:20221101  
Untagged: noaaepic/input-  
data@sha256:6495e6a8c76b44f8b54cd9805bb68d3d47504d06737455bec98512dac4948c8a  
Deleted: sha256:06d1be41bd15c135d75e718cde29dbea0882409707a052d96df384beccafd181  
Deleted: sha256:a10738fec5cfe14e9a8a867867c0abf907e46a55139d31ca4c98b47065eea12d  
Deleted: sha256:50644c29ef5a27c9a40c393a73ece2479de78325cae7d762ef3cdc19bf42dd0a  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // parallel  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] End of Pipeline
```

Could not update commit status, please check if your scan credentials belong to a member of the organization or a collaborator of the repository and repo:status scope is selected

GitHub has been notified of this commit's build result

Finished: SUCCESS

Jenkins 2.387.1