

# Informe sobre pruebas de rendimiento de las corridas e implementación de la siguiente generación de modelos de tiempo y clima en el VxBlock sobre el espacio asignado por la Oficina de Informática a la Subdirección de Meteorología

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## 1. Pruebas del entorno del sistema

En primer lugar, fue muy importante verificar si el sistema tenía un compilador de gfortran, así como gcc y cpp necesario para la compilación de la última versión del modelo meteorológico WRF, para ello se ejecutaron los comandos:

```
which gfortran
which cpp
which gcc
```

lo cual permitió tener claro, que el sistema operativo entregado por la Oficina de Informática a la Subdirección de Meteorología no tenía los mínimos requeridos para correr modelos meteorológicos pero facilito el repositorio del sistema operativo Linux CentOS que se describe a continuación para dicha tarea:

```
(base) [root@Lab-Modelos run]# hostnamectl
Static hostname: Lab-Modelos
Icon name: computer-vm
Chassis: vm
Machine ID: 20117c61d5554fa79f31a15ca4c9de9e
Boot ID: 5e9ef29565cd4d21965232dd25507aa9
Virtualization: vmware
Operating System: CentOS Linux 7 (Core)
CPE OS Name: cpe:/o:centos:centos:7
Kernel: Linux 3.10.0-957.5.1.el7.x86_64
Architecture: x86-64
```

```
(base) [root@Lab-Modelos run]# more /proc/version
Linux version 3.10.0-957.5.1.el7.x86_64 (mockbuild@kbuilder.bsys.centos.org) (gcc version 4.8.5 20150623 (Red Hat 4.8.5-36) (GCC) )
#1 SMP Fri Feb 1 14:54:57 UTC 2019
```

Para la instalación de estos recursos se utilizó la siguiente línea de comando:

```
yum install gcc-gfortran
```

El modelo WRF exige utilizar la versión 4.4.0 de gfortran o posterior. Una vez instalado se pudo determinar que la versión instalada fue la 4.8.5-36 como se muestra a continuación:

```
(base) [root@Lab-Modelos run]# gcc --version
gcc (GCC) 4.8.5 20150623 (Red Hat 4.8.5-36)
Copyright (C) 2015 Free Software Foundation, Inc.
Esto es software libre; vea el código para las condiciones de copia. NO hay
garantía; ni siquiera para MERCANTIBILIDAD o IDONEIDAD PARA UN PROPÓSITO EN
PARTICULAR
```

Para la instalación del modelo, la Oficina de Informática, suministro la unidad U01 inicialmente de 120G de espacio para realizar la prueba de instalación y corrida del modelo, pero a la fecha de hoy, y entendiendo las necesidades que requiere la Subdirección de Meteorología para la implementación de la nueva generación de modelos de tiempo, clima y cambio climático, dicha dependencia ha ampliado el espacio físico de trabajo a 10TB

```
(base) [root@Lab-Modelos run]# df -h
S.ficheros      Tamaño Usados  Disp Uso% Montado en
/dev/mapper/centos-root 15G  11G  4,6G  70% /
devtmpfs        16G   0  16G   0% /dev
tmpfs           16G  89M  16G   1% /dev/shm
tmpfs           16G  33M  16G   1% /run
```

```

tmpfs          16G   0 16G  0% /sys/fs/cgroup
/dev/mapper/centos-tmp 4,2G 89M 4,2G  3% /tmp
/dev/mapper/Modelos-U01 11T 258G 9,9T  3% /U01
/dev/mapper/centos-var 10G 418M 9,6G  5% /var
/dev/sda1      797M 227M 570M 29% /boot
tmpfs          3,2G 4,0K 3,2G  1% /run/user/0

```

De igual forma se ha venido ampliando el número de núcleos disponibles para hacer las corridas del modelo WRF; actualmente se tienen 24 núcleos para realizar las pruebas iniciales:

```
(base) [root@Lab-Modelos run]# nproc --all
24
```

```
(base) [root@Lab-Modelos run]# more /proc/cpuinfo
```

```

processor: 0
vendor_id       : GenuineIntel
cpu family     : 6
model          : 85
model name     : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz
stepping      : 4
microcode      : 0x2000043
cpu MHz        : 2700.000
cache size     : 25344 KB
physical id    : 0
siblings      : 1
core id       : 0
cpu cores     : 1
apicid        : 0
initial apicid : 0
fpu           : yes
fpu_exception : yes
cpuid level   : 13
wp            : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall
nx pdpe1gb rdtscp lm constant_tsc arch_perfmon pebs bts nopl xtopology tsc_reliable nonstop_tsc eagerfpu pni pelmulqdq ssse3 fma
cx16 pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch ibrs
ibpb stibp fsgsbase tsc_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec_ctrl intel_stibp arch_capabilities
bogomips      : 5400.00
clflush size  : 64
cache_alignment : 64
address sizes  : 43 bits physical, 48 bits virtual
power management:

```

```

processor: 1
vendor_id       : GenuineIntel
cpu family     : 6
model          : 85
model name     : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz
stepping      : 4
microcode      : 0x2000043
cpu MHz        : 2700.000
cache size     : 25344 KB
physical id    : 2
siblings      : 1
core id       : 0
cpu cores     : 1
apicid        : 2
initial apicid : 2
fpu           : yes
fpu_exception : yes
cpuid level   : 13
wp            : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall
nx pdpe1gb rdtscp lm constant_tsc arch_perfmon pebs bts nopl xtopology tsc_reliable nonstop_tsc eagerfpu pni pelmulqdq ssse3 fma
cx16 pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch ibrs

```

ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 2  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 4  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 4  
initial apicid : 4  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 3  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 6  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 6  
initial apicid : 6  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 4

vendor\_id : GenuineIntel

cpu family : 6

model : 85

model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz

stepping : 4

microcode : 0x2000043

cpu MHz : 2700.000

cache size : 25344 KB

physical id : 8

siblings : 1

core id : 0

cpu cores: 1

apicid : 8

initial apicid : 8

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq ssse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities

bogomips : 5400.00

clflush size : 64

cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 5

vendor\_id : GenuineIntel

cpu family : 6

model : 85

model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz

stepping : 4

microcode : 0x2000043

cpu MHz : 2700.000

cache size : 25344 KB

physical id : 10

siblings : 1

core id : 0

cpu cores: 1

apicid : 10

initial apicid : 10

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq ssse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities

bogomips : 5400.00

clflush size : 64

cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 6

vendor\_id : GenuineIntel

cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 12  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 12  
initial apicid : 12  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 7  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 14  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 14  
initial apicid : 14  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 8  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043

cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 16  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 16  
initial apicid : 16  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 9  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 18  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 18  
initial apicid : 18  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 10  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 20  
siblings : 1  
core id : 0

cpu cores: 1  
apicid : 20  
initial apicid : 20  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 11  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 22  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 22  
initial apicid : 22  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 12  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 24  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 24  
initial apicid : 24  
fpu : yes  
fpu\_exception : yes

cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 13  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 26  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 26  
initial apicid : 26  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 14  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 28  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 28  
initial apicid : 28  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs



ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 15  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 30  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 30  
initial apicid : 30  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 16  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 32  
siblings : 1  
core id : 0  
cpu cores: 1  
apicid : 32  
initial apicid : 32  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 17

vendor\_id : GenuineIntel

cpu family : 6

model : 85

model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz

stepping : 4

microcode : 0x2000043

cpu MHz : 2700.000

cache size : 25344 KB

physical id : 34

siblings : 1

core id : 0

cpu cores: 1

apicid : 34

initial apicid : 34

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall

nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq ssse3 fma

cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs

ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd

avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities

bogomips : 5400.00

clflush size : 64

cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 18

vendor\_id : GenuineIntel

cpu family : 6

model : 85

model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz

stepping : 4

microcode : 0x2000043

cpu MHz : 2700.000

cache size : 25344 KB

physical id : 36

siblings : 1

core id : 0

cpu cores: 1

apicid : 36

initial apicid : 36

fpu : yes

fpu\_exception : yes

cpuid level : 13

wp : yes

flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall

nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq ssse3 fma

cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs

ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd

avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities

bogomips : 5400.00

clflush size : 64

cache\_alignment : 64

address sizes : 43 bits physical, 48 bits virtual

power management:

processor: 19

vendor\_id : GenuineIntel

cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 38  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 38  
initial apicid : 38  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 20  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 40  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 40  
initial apicid : 40  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 21  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043

cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 42  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 42  
initial apicid : 42  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 22  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 44  
siblings : 1  
core id : 0  
cpu cores : 1  
apicid : 44  
initial apicid : 44  
fpu : yes  
fpu\_exception : yes  
cpuid level : 13  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall  
nx pdpe1gb rdtscp lm constant\_tsc arch\_perfmon pebs bts nopl xtopology tsc\_reliable nonstop\_tsc eagerfpu pni pclmulqdq sse3 fma  
cx16 pcid sse4\_1 sse4\_2 x2apic movbe popcnt tsc\_deadline\_timer aes xsave avx f16c rdrand hypervisor lahf\_lm abm 3dnowprefetch ibrs  
ibpb stibp fsgsbase tsc\_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd  
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec\_ctrl intel\_stibp arch\_capabilities  
bogomips : 5400.00  
clflush size : 64  
cache\_alignment : 64  
address sizes : 43 bits physical, 48 bits virtual  
power management:

processor: 23  
vendor\_id : GenuineIntel  
cpu family : 6  
model : 85  
model name : Intel(R) Xeon(R) Gold 6150 CPU @ 2.70GHz  
stepping : 4  
microcode : 0x2000043  
cpu MHz : 2700.000  
cache size : 25344 KB  
physical id : 46  
siblings : 1  
core id : 0

```

cpu cores: 1
apicid      : 46
initial apicid : 46
fpu         : yes
fpu_exception : yes
cpuid level : 13
wp          : yes
flags       : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts mmx fxsr sse sse2 ss syscall
nx pdpe1gb rdtscp lm constant_tsc arch_perfmon pebs bts nopl xtopology tsc_reliable nonstop_tsc eagerfpu pni pclmulqdq sse3 fma
cx16 pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor lahf_lm abm 3dnowprefetch ibrs
ibpb stibp fsgsbase tsc_adjust bmi1 hle avx2 smep bmi2 invpcid rtm mpx avx512f avx512dq rdseed adx smap clflushopt clwb avx512cd
avx512bw avx512vl xsaveopt xsavec arat pku ospke spec_ctrl intel_stibp arch_capabilities
bogomips    : 5400.00
clflush size : 64
cache_alignment : 64
address sizes : 43 bits physical, 48 bits virtual
power management:

```

De la misma forma, la capacidad de memoria ha sido ampliada de 12G a 32G

```

(base) [root@Lab-Modelos run]# free -h
              total    used    free   shared  buff/cache   available
Mem:           31G     23G     526M    124M     7,1G     7,0G
Swap:          0B       0B       0B

```

## 2. Pruebas de verificación del compilador de gfortran y gcc

El modelo WRF exige algunos de test de prueba para asegurar que el compilador fue correctamente instalado; para ello se descargó el siguiente archivo:

[http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\\_tutorial/tar\\_files/Fortran\\_C\\_tests.tar](http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile_tutorial/tar_files/Fortran_C_tests.tar)

y se realizaron los siguientes comandos:  
tar -xf Fortran\_C\_tests.tar

**Prueba # 1:** Prueba de Fortran de formato fijo: TEST\_1\_fortran\_only\_fixed.f

```

gfortran TEST_1_fortran_only_fixed.f
./a.out

```

Resultado:

SUCCESS test 1 fortran only fixed format

**Prueba # 2:** Formato libre Fortran: TEST\_2\_fortran\_only\_free.f90

```

gfortran TEST_2_fortran_only_free.f90
./a.out

```

Resultado:

Assume Fortran 2003: has FLUSH, ALLOCATABLE, derived type, and ISO C Binding

SUCCESS test 2 fortran only free format

**Prueba # 3:** C: TEST\_3\_c\_only.c

```

gcc TEST_3_c_only.c
./a.out

```

Resultado:

SUCCESS test 3 c only

**Prueba # 4:** Fortran llama a una función C (nuestro gcc y gfortran tienen diferentes valores predeterminados, por lo que obligamos a ambos a usar siempre 64 bits [-m64] al combinarlos): TEST\_4\_fortran + c\_c.c, y TEST\_4\_fortran + x\_f.f90

```

gcc -c -m64 TEST_4_fortran + c_c.c
gfortran -c -m64 TEST_4_fortran + c_f.f90
gfortran -m64 TEST_4_fortran + c_f.o TEST_4_fortran + c_c.o
./a.out

```

Resultado:

C function called by Fortran

Values are xx = 2.00 and ii = 1

SUCCESS test 4 fortran calling c

Además de los compiladores necesarios para producir los ejecutables del modelo meteorológico WRF, el sistema de compilación necesita scripts de el nivel superior escritos en csh, perl y sh los cuales al momento de la entrega del espacio de VxBlock ya estaban instalados; no obstante, para comprobar lo anterior, la configuración del entorno del sistema, obliga a realizar las pruebas que se ejecutaron en dicho sistema de computo y que se presentan a continuación:

**Prueba # 5:** csh:

./TEST\_csh.csh

Resultado:

SUCCESS csh test

**Prueba # 6:** perl:

./TEST\_perl.pl

Resultado:

SUCCESS perl test

**Prueba # 7:** sh:

./TEST\_sh.sh

Resultado:

SUCCESS sh test

La ruta de los test descritos anteriormente, como otros adicionales asociados con las librerías que requiere el modelo WRF, se pueden encontrar en:

```
(base) [root@Lab-Modelos TEST]# pwd
```

```
/U01/Build_WRF/TEST
```

```
(base) [root@Lab-Modelos TEST]# ls -ltrh
```

```
total 2,9M
```

```
-rw-r--r--. 1 6839 man 152 dic 17 2013 TEST_1_fortran_only_fixed.f
-rw-r--r--. 1 6839 man 1,3K dic 17 2013 TEST_2_fortran_only_free.f90
-rw-r--r--. 1 6839 man 119 dic 17 2013 TEST_3_c_only.c
-rw-r--r--. 1 6839 man 161 dic 17 2013 TEST_4_fortran+c_f.f90
-rw-r--r--. 1 6839 man 366 dic 17 2013 TEST_4_fortran+c_c.c
-rwxr-xr-x. 1 6839 man 35 dic 17 2013 TEST_csh.csh
-rwxr-xr-x. 1 6839 man 46 dic 17 2013 TEST_perl.pl
-rwxr-xr-x. 1 6839 man 33 dic 17 2013 TEST_sh.sh
-rw-r--r--. 1 6839 man 2,0K dic 17 2013 kelly_reqs.txt
-rw-r--r--. 1 6839 man 366 ene 24 2014 01_fortran+c+netcdf_c.c
-rw-r--r--. 1 6839 man 366 ene 24 2014 02_fortran+c+netcdf+mpi_c.c
-rw-r--r--. 1 6839 man 409 ene 24 2014 01_fortran+c+netcdf_f.f
-rw-r--r--. 1 6839 man 595 ene 24 2014 02_fortran+c+netcdf+mpi_f.f
-rw-r--r--. 1 root root 19K nov 7 19:28 Fortran_C_tests.tar
-rw-r--r--. 1 root root 9,5K nov 7 19:28 Fortran_C_NETCDF_MPI_tests.tar
-rw-r--r--. 1 root root 1,7K feb 18 07:50 TEST_4_fortran+c_c.o
-rw-r--r--. 1 root root 2,3K feb 18 07:50 TEST_4_fortran+c_f.o
-rw-r--r--. 1 root root 2,5K feb 18 08:11 01_fortran+c+netcdf_f.o
-rw-r--r--. 1 root root 1,7K feb 18 08:11 01_fortran+c+netcdf_c.o
-rw-r--r--. 1 root root 48K feb 18 08:12 netcdf.inc
-rw-r--r--. 1 root root 3,3K feb 18 08:12 02_fortran+c+netcdf+mpi_f.o
-rw-r--r--. 1 root root 1,7K feb 18 08:12 02_fortran+c+netcdf+mpi_c.o
-rwxr-xr-x. 1 root root 2,7M feb 18 08:12 a.out
```

### 3. Instalación de librerías

La instalación de librerías obligatorias que requiere el modelo son: mpich-3.0.4, netcdf-4.1.3, Jasper-1.900.1, libpng-1.2.50 y zlib-1.2.7, las cuales fueron instaladas en el VxBlock sobre el siguiente directorio:

```
(base) [root@Lab-Modelos Build_WRF]# cd LIBRARIES/
(base) [root@Lab-Modelos LIBRARIES]# pwd
/U01/Build_WRF/LIBRARIES
(base) [root@Lab-Modelos LIBRARIES]# ls -l
total 783440
-rw-r--r-- 1 root root 667976437 mar 8 12:00 Anaconda3-5.3.1-Linux-x86_64.sh
drwxr-xr-x. 3 root root 16 feb 19 09:17 convertgrib
drwxr-xr-x. 6 root root 52 feb 19 09:48 ecmwf
drwxr-xr-x. 4 root root 28 feb 19 13:38 gifanimado
drwxr-xr-x. 5 501 games 4096 feb 19 13:37 gifsicle-1.91
-rw-r--r-- 1 root root 571588 ene 5 2018 gifsicle-1.91.tar.gz
drwxr-xr-x. 5 root root 50 feb 18 12:31 grads-2.0.2
-rw-r--r-- 1 root root 11144050 feb 18 12:18 GrADS.tar.gz
drwxr-xr-x. 7 root root 62 feb 18 08:09 grib2
drwxr-xr-x. 25 root root 4096 feb 19 09:28 grib_api-1.26.0-Source
-rw-r--r-- 1 root root 4857336 feb 19 09:15 grib_api-1.26.0-Source.tar.gz
drwxrwxrwx. 6 15723 man 4096 feb 18 08:08 jasper-1.900.1
-rw-r--r-- 1 root root 1156558 nov 7 19:28 jasper-1.900.1.tar.gz
drwxr-xr-x. 7 1004 5101 4096 feb 18 08:07 libpng-1.2.50
-rw-r--r-- 1 root root 834060 nov 7 19:28 libpng-1.2.50.tar.gz
drwxr-xr-x. 7 root root 62 feb 18 08:04 mpich
drwxr-xr-x. 12 3714 311 4096 feb 18 08:00 mpich-3.0.4
-rw-r--r-- 1 root root 10921091 nov 7 19:28 mpich-3.0.4.tar.gz
drwxrwxr-x 13 root root 4096 mar 15 10:08 nco-4.7.8
-rw-r--r-- 1 root root 5109892 mar 14 11:05 nco-4.7.8.tar.gz
drwxr-xr-x. 6 root root 52 feb 18 07:58 netcdf
drwxr-xr-x. 6 root root 72 mar 14 13:54 NETCDF-4
drwxr-xr-x. 28 9994 2000 4096 mar 14 13:51 netcdf-4.1.3
-rw-r--r-- 1 root root 11172575 nov 7 19:28 netcdf-4.1.3.tar.gz
-rw-r--r-- 1 root root 9436 mar 2 2017 netcdf4-python-1.2.7-3.el7.x86_64.rpm
drwxr-xr-x 28 franklyn franklyn 4096 mar 14 14:07 netcdf-c-4.6.3
-rw-r--r-- 1 root root 5961248 mar 14 13:43 netcdf-c-4.6.3.tar.gz
drwxr-xr-x 11 2902 wheel 4096 mar 8 11:30 pygrib-2.0.4
-rw-r--r-- 1 root root 21438736 feb 14 11:30 pygrib-2.0.4.tar.gz
drwxr-xr-x 18 franklyn franklyn 4096 mar 8 14:30 Python-2.7.6
-rw-r--r-- 1 root root 14725931 nov 10 2013 Python-2.7.6.tgz
-rw-r--r-- 1 root root 45678124 may 16 2018 rstudio-server-rhel-1.1.453-x86_64.rpm
-rw-r--r-- 1 root root 655 feb 20 09:17 var_ambiente.sh
-rw-r--r-- 1 root root 366 mar 15 09:48 var_netcdf.sh
drwxr-xr-x. 3 root root 35 feb 19 09:39 wgrib2
drwxr-xr-x. 14 501 games 4096 feb 18 08:05 zlib-1.2.7
-rw-r--r-- 1 root root 594504 nov 7 19:28 zlib-1.2.7.tar.gz
```

Es importante tener en cuenta que estas librerías se instalaron con los compiladores de gfortran y gcc mencionados, porque son los mismos con los que se compilaron los módulos del modelo WRF (WPS, WPS y ARWpost)

**NetCDF:** Librería obligatoria porque las salidas del modelo se escriben en este formato, la cual se descargo de:

wget -c [http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\\_tutorial/tar\\_files/netcdf-4.1.3.tar.gz](http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile_tutorial/tar_files/netcdf-4.1.3.tar.gz)

Para instalar esta librería se creo un archivo de variables de ambiente de la siguiente manera, el cual se puede encontrar en el directorio /U01/Build\_WRF/LIBRARIES/var\_ambiente.sh:

```
export DIR=/U01/Build_WRF/LIBRARIES
export CC=gcc
export CXX=g++
export FC=gfortran
export FCFLAGS=-m64
export F77=gfortran
export FFLAGS=-m64
```

Una vez escrito, se ejecuta:

```
source /U01/Build_WRF/LIBRARIES/var_ambiente.sh
```

Este script se ejecutó cada vez que se agregaron líneas adicionales en la instalación de las librerías. Para el caso de NetCDF se procedió de la siguiente manera:

```
tar xzvf netcdf-4.1.3.tar.gz #or just .tar if no .gz present
cd netcdf-4.1.3
./configure --prefix=$DIR/netcdf --disable-dap --disable-netcdf-4 --disable-shared
make
make install
```

y se agregaron al archivo de variables de ambiente las siguientes líneas:

```
export PATH=$DIR/netcdf/bin:$PATH
export NETCDF=$DIR/netcdf
```

**MPICH**: esta librería fue necesaria porque se plantea correr el modelo WRF en paralelo, con el fin de tener resultados en tiempos óptimos. Si bien es cierto que cualquier implementación del estándar MPI-2 debería funcionar, los desarrolladores del modelo han probado MPICH con éxito y, por lo tanto, eso es lo que se describirá aquí.

```
wget -c http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\_tutorial/tar\_files/mpich-3.0.4.tar.gz
```

```
tar xzvf mpich-3.0.4.tar.gz
cd mpich-3.0.4
./configure --prefix=$DIR/mpich
make
make install
```

y se agregó al archivo de variables de ambiente la siguientes línea:

```
export PATH=$DIR/mpich/bin:$PATH
```

Las siguientes tres librería son necesarias para compilar WPS (específicamente ungrib) con el fin de que el modelo sea capaz de leer datos iniciales y de frontera de los modelos globales en formato OMM GRIB2.

**zlib**:

```
wget -c http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\_tutorial/tar\_files/zlib-1.2.7.tar.gz
```

```
tar xzvf zlib-1.2.7.tar.gz
cd zlib-1.2.7
./configure prefix=$DIR/grib2
make
make install
```

y se agregaron al archivo de variables de ambiente las siguientes líneas:

```
export JASPERLIB=$DIR/grib2/lib
export JASPERINC=$DIR/grib2/include
```

**libpng**:

```
wget -c http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\_tutorial/tar\_files/libpng-1.2.50.tar.gz
```

```
tar xzvf libpng-1.2.50.tar.gz
cd libpng-1.2.50
./configure --prefix=$DIR/grib2
make
make install
```

**JasPer**:

```
wget -c http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\_tutorial/tar\_files/jasper-1.900.1.tar.gz
```

```
tar xzvf jasper-1.900.1.tar.gz
```



```
cd jasper-1.900.1
./configure --prefix=$DIR/grib2
make
make install
```

#### 4. Pruebas de compatibilidad de las librerías

Para emular el comportamiento del modelo WRF, se requieren dos pruebas adicionales que básicamente consisten en verificar que las librerías pueden trabajar con los compiladores que se utilizarán para las compilaciones WPS y WRF. Similar a lo que se presentó en la sección **Pruebas de verificación del compilador de gfortran y gcc**, se realizaron las siguientes pruebas en la ruta /U01/Build\_WRF/TEST:

```
wget -c http://www2.mmm.ucar.edu/wrf/OnLineTutorial/compile\_tutorial/tar\_files/Fortran\_C\_NETCDF\_MPI\_tests.tar  
tar -xf Fortran_C_NETCDF_MPI_tests.tar
```

***Prueba # 1:*** Fortran + C + NetCDF

```
cp $ {NETCDF} /include/netcdf.inc.  
gfortran -c 01_fortran + c + netcdf_f.f  
gcc -c 01_fortran + c + netcdf_c.c  
gfortran 01_fortran + c + netcdf_f.o 01_fortran + c + netcdf_c.o -L $ {NETCDF} / lib -lnetcdff -lnetcdf  
./a.out
```

Resultado:

```
C function called by Fortran  
Values are xx = 2.00 and ii = 1  
SUCCESS test 1 fortran + c + netcdf
```

***Prueba # 2:*** Fortran + C + NetCDF + MPI

```
cp $ {NETCDF} /include/netcdf.inc.  
mpif90 -c 02_fortran + c + netcdf + mpi_f.f  
mpicc -c 02_fortran + c + netcdf + mpi_c.c  
mpif90 02_fortran + c + netcdf + mpi_f.o 02_fortran + c + netcdf + mpi_c.o -L $ {NETCDF} / lib -lnetcdff -lnetcdf  
mpirun ./a.out
```

Resultado:

```
C function called by Fortran  
Values are xx = 2.00 and ii = 1  
status = 2  
SUCCESS test 2 fortran + c + netcdf + mpi
```

Esto último aseguró que el modelo WRF estaba listo para correr en paralelo (sobre los núcleos disponibles en el VxBlock)

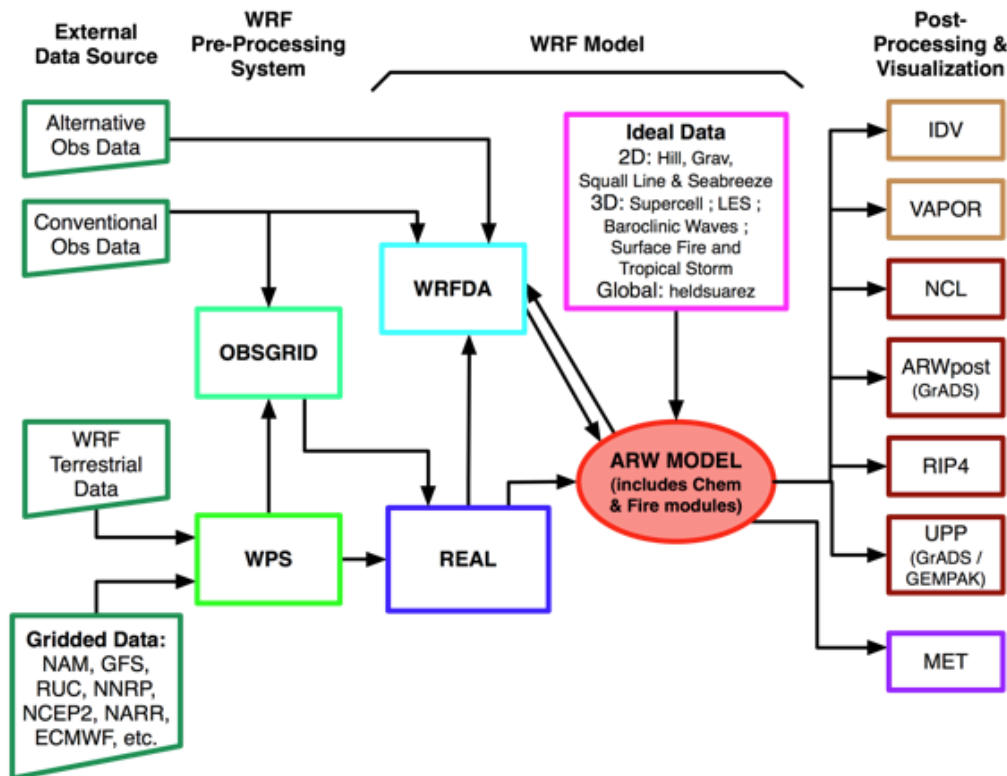
## 5. Instalación del modelo WRF

El modelo Weather Research and Forecasting (WRF) es un sistema de cálculo numérico para simulación atmosférica (NWP) diseñado para satisfacer las necesidades tanto de investigación como de predicción atmosféricas. WRF incluye dos núcleos diferentes (ARW, NMM), un sistema de asimilación de datos, y una arquitectura de software diseñada para la posibilidad de ejecuciones distribuidas o paralelas y la escalabilidad del sistema. WRF implementa una extensa gama de aplicaciones meteorológicas en escalas que van desde los metros a los miles de kilómetros.

WRF permite a los investigadores producir simulaciones con datos reales o ideales, ofrece capacidades de predicción operativa, una plataforma flexible y robusta e incorpora avances en las partes física, numérico-matemática y de asimilación de datos, contribuciones de muchos desarrolladores de la comunidad científica. Está actualmente en uso operativo en el NCEP y otros centros de predicción a nivel internacional.

WRF ofrece dos motores de cálculo para el cómputo de las ecuaciones que gobiernan la atmósfera, siendo el nombre de estas dos variantes WRF-ARW (Advanced Research WRF) y WRF-NMM (Nonhydrostatic Mesoscale Model). WRF-ARW está soportado por la división Mesoscale and Microscale Meteorology Division del NCAR. WRF-NMM se basa en el modelo Eta, más tarde Nonhydrostatic Mesoscale Model, desarrollado en el NCEP. Está soportado para la comunidad por el Developmental Testbed Center (DTC).

### WRF Modeling System Flow Chart



### Flujo del programa

Para casos idealizados: WRF ARW Model + PostProcessing

Para casos reales: WPS + WRF ARW Model + PostProcessing

Para casos reales con Análisis Variacional: WPS + WRFDA + WRF ARW Model + Postprocessing

Para la pruebas de rendimiento sobre el VxBlock se utilizó el flujo para casos reales, donde el modulo de PostProcessing utilizado fue ARWpost (GrADS); sin embargo, hacia el futuro se piensa usar wrf-python, el cual esta tomando mucha fuerza. Igualmente el visor de la Subdirección de Meteorología, IDEAM, corre bajo GrADS.

## Configuración y compilación del modelo WRF

Una vez asegurado de que todas las bibliotecas son compatibles con los compiladores, se compiló el modelo WRF, para ello sobre el VxBLOCK se descargó la última versión disponible en la ruta /U01/Build\_WRF/:

```
wget -c http://www2.mmm.ucar.edu/wrf/src/WRFV4.0.TAR.gz
```

la compilación del modelo dentro del sistema de cómputo la encuentra en la ruta /U01/Build\_WRF/WRF/, carpeta que se creó después de realizar el comando:

```
tar -xvzf WRFV4.0.TAR.gz
```

La configuración y compilación del modelo se realizó de la siguiente forma:

```
source /U01/Build_WRF/LIBRARIES/var_ambiente.sh
./configure
```

Obteniendo el siguiente menú de opciones de configuración:

```
checking for perl5... no
checking for perl... found /usr/bin/perl (perl)
Will use NETCDF in dir: /U01/Build_WRF/LIBRARIES/netcdf
HDF5 not set in environment. Will configure WRF for use without. PHDF5 not set in environment. Will configure WRF for use without.
Will use 'time' to report timing information
-----
Please select from among the following Linux x86_64 options:
```

1. (serial) 2. (smpar) 3. (dmpar) 4. (dm+sm) PGI (pgf90/gcc)
5. (serial) 6. (smpar) 7. (dmpar) 8. (dm+sm) PGI (pgf90/pgcc): SGI MPT
9. (serial) 10. (smpar) 11. (dmpar) 12. (dm+sm) PGI (pgf90/gcc): PGI accelerator
13. (serial) 14. (smpar) 15. (dmpar) 16. (dm+sm) INTEL (ifort/icc)
17. (dm+sm) INTEL (ifort/icc): Xeon Phi (MIC architecture)
18. (serial) 19. (smpar) 20. (dmpar) 21. (dm+sm) INTEL (ifort/icc): Xeon (SNB with AVX mods)
22. (serial) 23. (smpar) 24. (dmpar) 25. (dm+sm) INTEL (ifort/icc): SGI MPT
26. (serial) 27. (smpar) 28. (dmpar) 29. (dm+sm) INTEL (ifort/icc): IBM POE
30. (serial) 31. (dmpar) PATHSCALE (pathf90/pathcc)
32. (serial) 33. (smpar) **34. (dmpar)** 35. (dm+sm) GNU (gfortran/gcc)
36. (serial) 37. (smpar) 38. (dmpar) 39. (dm+sm) IBM (xlf90\_r/cc\_r)
40. (serial) 41. (smpar) 42. (dmpar) 43. (dm+sm) PGI (ftn/gcc): Cray XC CLE
44. (serial) 45. (smpar) 46. (dmpar) 47. (dm+sm) CRAY CCE (ftn/gcc): Cray XE and XC
48. (serial) 49. (smpar) 50. (dmpar) 51. (dm+sm) INTEL (ftn/icc): Cray XC
52. (serial) 53. (smpar) 54. (dmpar) 55. (dm+sm) PGI (pgf90/pgcc)
56. (serial) 57. (smpar) 58. (dmpar) 59. (dm+sm) PGI (pgf90/gcc): -f90=pgf90
60. (serial) 61. (smpar) 62. (dmpar) 63. (dm+sm) PGI (pgf90/pgcc): -f90=pgf90

Enter selection [1-63] :

para compilar el modelo se utilizó la opción 34 puesto que se está usando gfortran/gcc como compiladores y la corrida se hará sobre una máquina con varios núcleos (dmpar) generando el siguiente archivo de configuración configure.wrf:

```
# configure.wrf
#
# Original configure options used:
# ./configure
# Compiler choice: 34
# Nesting option: 1
#
# This file was automatically generated by the configure script in the
# top level directory. You may make changes to the settings in this
# file but be aware they will be overwritten each time you run configure.
# Ordinarily, it is necessary to run configure once, when the code is
# first installed.
#
# To permanently change options, change the settings for your platform
# in the file arch/configure.defaults then rerun configure.
#
SHELL      = /bin/sh
DEVTOP     = `pwd`
LIBINCLUDE = .
.SUFFIXES: .F .i .o .f90 .c
```

```

#### Get core settings from environment (set in compile script)
#### Note to add a core, this has to be added to.

COREDEFS = -DEM_CORE=$(WRF_EM_CORE) \
            -DNMM_CORE=$(WRF_NMM_CORE) -DNMM_MAX_DIM=2600 \
            -DDA_CORE=$(WRF_DA_CORE) \
            -DWRFLPLUS=$(WRF_PLUS_CORE)

#### Single location for defining total number of domains. You need
#### at least 1 + 2*(number of total nests). For example, 1 coarse
#### grid + three fine grids = 1 + 2(3) = 7, so MAX_DOMAINS=7.

MAX_DOMAINS = 21

#### DM buffer length for the configuration flags.

CONFIG_BUF_LEN = 65536

#### Size of bitmasks (in 4byte integers) of stream masks for WRF I/O

MAX_HISTORY = 25

IWORDSIZE = 4
DWORDSIZE = 8
LWORDSIZE = 4

#####
#### The settings in this section are defaults that may be overridden by the
#### architecture-specific settings in the next section.
#####

#####
#### NOTE: Do not modify these default values here. To override these
#### values, make changes after "Architecture specific settings".
#####

#### Native size (in bytes) of Fortran REAL data type on this architecture ####
#### Note: to change real wordsize (for example, to promote REALs from
#### 4-byte to 8-byte), modify the definition of RWORDSIZE in the
#### section following "Architecture specific settings". Do not
#### change NATIVE_RWORDSIZE as is it architecture-specific.
NATIVE_RWORDSIZE = 4

#### Default sed command and script for Fortran source files ####
$SED_FTN = sed -f $(WRF_SRC_ROOT_DIR)/arch/standard.sed
SED_FTN = $(WRF_SRC_ROOT_DIR)/tools/standard.exe

# Hack to work around $(PWD) not changing during OSF1 build.
# $(IO_GRIB_SHARE_DIR) is reset during the OSF1 build only.
IO_GRIB_SHARE_DIR =

#### ESMF switches #####
#### These are set up by Config.pl #####
# switch to use separately installed ESMF library for coupling: 1==true
ESMF_COUPLING = 0
# select dependences on module_utility.o
ESMF_MOD_DEPENDENCE = $(WRF_SRC_ROOT_DIR)/external/esmf_time_f90/module_utility.o
# select -I options for external/io_esmf vs. external/esmf_time_f90
ESMF_IO_INC = -I$(WRF_SRC_ROOT_DIR)/external/esmf_time_f90
# select -I options for separately installed ESMF library, if present
ESMF_MOD_INC = $(ESMF_IO_INC)
# select epp token for external/io_esmf vs. external/esmf_time_f90
ESMF_IO_DEFS =
# select build target for external/io_esmf vs. external/esmf_time_f90
ESMF_TARGET = esmf_time

# ESMFINCLUDEGOESHERE

#### NETCDF4 pieces

NETCDF4_IO_OPTS = -DUSE_NETCDF4_FEATURES -DWRFO_NCD_LARGE_FILE_SUPPORT
GPFS =
CURL =
HDF5 =
ZLIB =
DEP_LIB_PATH =
NETCDF4_DEP_LIB = $(DEP_LIB_PATH) $(HDF5) $(ZLIB) $(GPFS) $(CURL)

# NETCDF4INCLUDEGOESHERE

#####

LIBWRFLIB = libwrflib.a

#### Architecture specific settings ####

# Settings for Linux x86_64 ppc64le, gfortran compiler with gcc (dmpar)
#
DESCRIPTION = GNU ($SFC/$SCC)
DMPARALLEL = 1
OMP_CPP = # -D_OPENMP
OMP = # -fopenmp
OMPCC = # -fopenmp
SFC = gfortran
SCC = gcc

```

```

CCOMP      = gcc
DM_FC      = mpi90 -f90-$(SFC)
DM_CC      = mpicc -cc=$(SCC)
FC         = time $(DM_FC)
CC         = $(DM_CC) -DFSEEK064_OK
LD         = $(FC)
RWORDSIZE = $(NATIVE_RWORDSIZE)
PROMOTION = #-fdefault-real-8
ARCH_LOCAL = -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE
CFLAGS_LOCAL = -w -O3 -c
LDLFLAGS_LOCAL =
CPLUSPLUSLIB =
ESMF_LDFLAG = $(CPLUSPLUSLIB)
FCOPTIM    = -O2 -ftee-vectorize -funroll-loops
FCREDUCEDOPT = $(FCOPTIM)
FCNOOPT    = -O0
FCDEBUG    = #-g $(FCNOOPT) #-ggdb -fbacktrace -fcheck=bounds,do,mem,pointer -fpe-trap=invalid,zero,overflow
FORMAT_FIXED = -ffixed-form
FORMAT_FREE = -ffree-form -ffree-line-length-none
FCSUFFIX   =
BYTESWAPIO = -fconvert=big-endian -frecord-marker=4
FCBASEOPTS_NO_G = -w $(FORMAT_FREE) $(BYTESWAPIO)
FCBASEOPTS = $(FCBASEOPTS_NO_G) $(FCDEBUG)
MODULE_SRCH_FLAG =
TRADFLAG   = -traditional-cpp
CPP        = /lib/cpp -P -nostdinc
AR         = ar
ARFLAGS    = ru
M4         = m4 -G
RANLIB     = ranlib
RLFLAGS    =
CC_TOOLS   = $(SCC)

#####
#####
# POSTAMBLE

FGREP = fgrep -iq

ARCHFLAGS = $(COREDEFS) -DIWORDSIZE=$(IWORDSIZE) -DDWORDSIZE=$(DWORDSIZE) -DRWORDSIZE=$(RWORDSIZE) -DLWORDSIZE=$(LWORDSIZE) \
$(ARCH_LOCAL) \
$(DA_ARCHFLAGS) \
-DDM_PARALLEL \
\
-DNETCDF \
\
\
\
\
\
\
\
\
\
\
\
\
\
\
\
-DUSE_ALLOCATABLES \
-Dwrfmodel \
-DGRIB1 \
-DINTIO \
-DKEEP_INT_AROUND \
-DLIMIT_ARGS \
-DBUILD_RRTMG_FAST=1 \
-DCONFIG_BUF_LEN=$(CONFIG_BUF_LEN) \
-DMAX_DOMAINS_F=$(MAX_DOMAINS) \
-DMAX_HISTORY=$(MAX_HISTORY) \
-DNMM_NEST=$(WRF_NMM_NEST)
CFLAGS = $(CFLAGS_LOCAL) -DDM_PARALLEL \
-DMAX_HISTORY=$(MAX_HISTORY) -DNMM_CORE=$(WRF_NMM_CORE)
FCFLAGS = $(FCOPTIM) $(FCBASEOPTS)
ESMF_LIB_FLAGS =
# ESMF 5 -- these are defined in esmf.mk, included above
ESMF_IO_LIB = -L$(WRF_SRC_ROOT_DIR)/external/esmf_time_f90 -lesmf_time
ESMF_IO_LIB_EXT = -L$(WRF_SRC_ROOT_DIR)/external/esmf_time_f90 -lesmf_time
INCLUDE_MODULES = $(MODULE_SRCH_FLAG) \
$(ESMF_MOD_INC) $(ESMF_LIB_FLAGS) \
-IS(WRF_SRC_ROOT_DIR)/main \
-IS(WRF_SRC_ROOT_DIR)/external/io_netcdf \
-IS(WRF_SRC_ROOT_DIR)/external/io_int \
-IS(WRF_SRC_ROOT_DIR)/frame \
-IS(WRF_SRC_ROOT_DIR)/share \
-IS(WRF_SRC_ROOT_DIR)/phys \
-IS(WRF_SRC_ROOT_DIR)/wrfldadj \
-IS(WRF_SRC_ROOT_DIR)/chem -IS(WRF_SRC_ROOT_DIR)/inc \
-IS(NETCDFPATH)/include \

REGISTRY = Registry
CC_TOOLS_CFLAGS = -DNMM_CORE=$(WRF_NMM_CORE)

LIB_BUNDLED = \
$(WRF_SRC_ROOT_DIR)/external/ftplib/ftplib5/libftplib.a \
$(WRF_SRC_ROOT_DIR)/external/io_grib1/libio_grib1.a \
$(WRF_SRC_ROOT_DIR)/external/io_grib_share/libio_grib_share.a \
$(WRF_SRC_ROOT_DIR)/external/io_int/libwrfio_int.a \
$(ESMF_IO_LIB) \
$(WRF_SRC_ROOT_DIR)/external/RSL_LITE/librsl_lite.a \
$(WRF_SRC_ROOT_DIR)/frame/module_internal_header_util.o \
$(WRF_SRC_ROOT_DIR)/frame/pack_utils.o

```

```

LIB_EXTERNAL = \
-L$(WRF_SRC_ROOT_DIR)/external/io_netcdf-lwrflw_nf-L/U01/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf

LIB = $(LIB_BUNDLED) $(LIB_EXTERNAL) $(LIB_LOCAL) $(LIB_WRF_HYDRO)
LDFLAGS = $(OMP) $(FCFLAGS) $(LDLFLAGS_LOCAL)
ENVCOMPDEFS =
WRF_CHEM = 0
CPPFLAGS = $(ARCHFLAGS) $(ENVCOMPDEFS) -I$(LIBINCLUDE) $(TRADFLAG)
NETCDFPATH = /U01/Build_WRF/LIBRARIES/netcdf
HDF5PATH =
WRFPLUSPATH =
RTTOVPATH =
PNETCDFPATH =

bundled: io_only
external: io_only $(WRF_SRC_ROOT_DIR)/external/RSL_LITE/librsl_lite.a gen_comms_rslite module_dm_rslite $(ESMF_TARGET)
io_only: esmf_time wrflw_nf \
    wrflw_ioapi_includes wrflw_grib_share wrflw_grib1 wrflw_int fftpack

#####
externals: io_only bundled external

gen_comms_serial:
    (/bin/rm -f $(WRF_SRC_ROOT_DIR)/tools/gen_comms.c)

module_dm_serial:
    (if [ ! -e module_dm.F ]; then /bin/cp module_dm_warning module_dm.F; cat module_dm_stubs.F >> module_dm.F; fi)

gen_comms_rslite:
    (if [ ! -e $(WRF_SRC_ROOT_DIR)/tools/gen_comms.c ]; then \
    /bin/cp $(WRF_SRC_ROOT_DIR)/tools/gen_comms_warning $(WRF_SRC_ROOT_DIR)/tools/gen_comms.c; \
    cat $(WRF_SRC_ROOT_DIR)/external/RSL_LITE/gen_comms.c >> $(WRF_SRC_ROOT_DIR)/tools/gen_comms.c; fi)

module_dm_rslite:
    (if [ ! -e module_dm.F ]; then /bin/cp module_dm_warning module_dm.F; \
    cat $(WRF_SRC_ROOT_DIR)/external/RSL_LITE/module_dm.F >> module_dm.F; fi)

wrflw_nf:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_netcdf; \
    make $(J) NETCDFPATH=$(NETCDFPATH) RANLIB=$(RANLIB) CPP=$(CPP) \
    CC=$(SCC) CFLAGS=$(CFLAGS) \
    FC=$(SFC) $(PROMOTION) $(OMP) $(FCFLAGS) TRADFLAG=$(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) )

wrflw_pnf:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_pnetcdf; \
    make $(J) NETCDFPATH=$(PNETCDFPATH) RANLIB=$(RANLIB) CPP=$(CPP) $(ARCHFLAGS) \
    FC=$(FC) $(PROMOTION) $(OMP) $(FCFLAGS) TRADFLAG=$(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) )

wrflw_grib_share:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_grib_share; \
    make $(J) CC=$(SCC) CFLAGS=$(CFLAGS) RM=$(RM) RANLIB=$(RANLIB) CPP=$(CPP) \
    FC=$(SFC) $(PROMOTION) -I. $(FCDEBUG) $(FCBASEOPTS) $(FCSUFFIX) TRADFLAG=$(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) archive)

wrflw_grib1:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_grib1; \
    make $(J) CC=$(SCC) CFLAGS=$(CFLAGS) RM=$(RM) RANLIB=$(RANLIB) CPP=$(CPP) \
    FC=$(SFC) $(PROMOTION) -I. $(FCDEBUG) $(FCBASEOPTS) $(FCSUFFIX) TRADFLAG=$(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) archive)

wrflw_grib2:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_grib2; \
    make $(J) CC=$(SCC) CFLAGS=$(CFLAGS) RM=$(RM) RANLIB=$(RANLIB) \
    CPP=$(CPP) \
    FC=$(SFC) $(PROMOTION) -I. $(FCDEBUG) $(FCBASEOPTS) $(FCSUFFIX) TRADFLAG=-traditional AR=$(AR) ARFLAGS=$(ARFLAGS) \
    FIXED=$(FORMAT_FIXED) archive)

wrflw_int:
    (cd $(WRF_SRC_ROOT_DIR)/external/io_int; \
    make $(J) CC=$(SCC) CFLAGS_LOCAL=$(CFLAGS_LOCAL) RM=$(RM) RANLIB=$(RANLIB) CPP=$(CPP) \
    FC=$(FC) $(PROMOTION) $(FCDEBUG) $(FCBASEOPTS) $(OMP) FGREP=$(FGREP) \
    TRADFLAG=$(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) ARCHFLAGS=$(ARCHFLAGS) all)

esmf_time:
    (cd $(WRF_SRC_ROOT_DIR)/external/esmf_time_f90; \
    make $(J) FC=$(SFC) $(PROMOTION) $(FCDEBUG) $(FCBASEOPTS) RANLIB=$(RANLIB) \
    CPP=$(CPP) -I$(WRF_SRC_ROOT_DIR)/inc -I. $(ARCHFLAGS) $(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS) )

fftpack:
    (cd $(WRF_SRC_ROOT_DIR)/external/fftpack/fftpack5; \
    make $(J) FC=$(SFC) FFLAGS=$(PROMOTION) $(FCDEBUG) $(FCBASEOPTS) RANLIB=$(RANLIB) AR=$(AR) \
    ARFLAGS=$(ARFLAGS) CPP=$(CPP) CPPFLAGS=$(CPPFLAGS) RM=$(RM) )

atm_ocr:
    (cd $(WRF_SRC_ROOT_DIR)/external/atm_ocr; \
    make $(J) CC=$(SCC) CFLAGS=$(CFLAGS) RM=$(RM) RANLIB=$(RANLIB) \
    CPP=$(CPP) CPPFLAGS=$(CPPFLAGS) \
    FC=$(DM_FC) $(PROMOTION) -I. $(FCDEBUG) $(FCBASEOPTS) $(FCSUFFIX) TRADFLAG=-traditional AR=$(AR) ARFLAGS=$(ARFLAGS) \
    FIXED=$(FORMAT_FIXED) )

$(WRF_SRC_ROOT_DIR)/external/RSL_LITE/librsl_lite.a:
    (cd $(WRF_SRC_ROOT_DIR)/external/RSL_LITE; make $(J) CC=$(SCC) $(CFLAGS) \
    FC=$(FC) $(FCFLAGS) $(OMP) $(PROMOTION) $(BYTESWAP) \
    CPP=$(CPP) -I. $(ARCHFLAGS) $(OMP) $(TRADFLAG) AR=$(AR) ARFLAGS=$(ARFLAGS); \
    $(RANLIB) $(WRF_SRC_ROOT_DIR)/external/RSL_LITE/librsl_lite.a)

#####
# Macros, these should be generic for all machines

```

```
LN      =      ln -sf
MAKE    =      make -i -r
RM      =      rm -f
```

# These sub-directory builds are identical across all architectures

```
wrf_ioapi_includes :
    ( cd $(WRF_SRC_ROOT_DIR)/external/ioapi_share ; \
      $(MAKE) NATIVE_RWORDSIZE=$(NATIVE_RWORDSIZE) RWORDSIZE=$(RWORDSIZE) AR=$(AR) ARFLAGS=$(ARFLAGS) )
```

```
wrfio_esmf :
    ( cd $(WRF_SRC_ROOT_DIR)/external/io_esmf ; \
      make FC=$(FC) $(PROMOTION) $(FCDEBUG) $(FCBASEOPTS) $(ESMF_MOD_INC) \
      RANLIB=$(RANLIB) CPP=$(CPP) $(POUND_DEF) " AR=$(AR)" ARFLAGS=$(ARFLAGS) )
```

# There is probably no reason to modify these rules

```
.F.i:
$(RM) $@
sed -e 's/^\!.**/' -e 's/^\!.**/' $*.F > $*.G
$(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $*.G > $*.i
mv $*.i $(DEVTOP)/pick/$*.f90
cp $*.F $(DEVTOP)/pick
```

```
.F.o:
$(RM) $@
sed -e 's/^\!.**/' -e 's/^\!.**/' $*.F > $*.G
$(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $(OMPCCP) $*.G > $*.bb
$(SED_FTN) $*.bb | $(CPP) $(TRADFLAG) > $*.f90
$(RM) $*.G $*.bb
@ if echo $(ARCHFLAGS) | $(FGREP) 'DVAR4D'; then \
echo COMPILING $*.F for 4DVAR ; \
$(WRF_SRC_ROOT_DIR)/var/build/da_name_space.pl $*.f90 > $*.f90.tmp ; \
mv $*.f90.tmp $*.f90 ; \
fi
$(FC) -o $@ -c $(FCFLAGS) $(OMP) $(MODULE_DIRS) $(PROMOTION) $(FCSUFFIX) $*.f90
```

```
.F.f90:
$(RM) $@
sed -e 's/^\!.**/' -e 's/^\!.**/' $*.F > $*.G
$(SED_FTN) $*.G > $*.H
$(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $*.H > $@
$(RM) $*.G $*.H
```

```
.f90.o:
$(RM) $@
$(FC) -o $@ -c $(FCFLAGS) $(PROMOTION) $(FCSUFFIX) $*.f90
```

```
setfeenv.o : setfeenv.c
$(RM) $@
$(CCOMP) -o $@ -c $(CFLAGS) $(OMPCC) $*.c
```

```
.c.o:
$(RM) $@
$(CC) -o $@ -c $(CFLAGS) $*.c
```

```
# A little more adventurous. Allow full opt on
# mediation_integrate.o \
# shift_domain_em.o \
# solve_em.o <-- gets a little kick from SOLVE_EM_SPECIAL too, if defined
# mediation_feedback_domain.o : mediation_feedback_domain.F
# mediation_force_domain.o : mediation_force_domain.F
# mediation_interp_domain.o : mediation_interp_domain.F
```

```
# compile these without high optimization to speed compile
track_driver.o : track_driver.F
convert_nmm.o : convert_nmm.F
init_modules_em.o : init_modules_em.F
input_wrf.o : input_wrf.F
module_io.o : module_io.F
module_comm_dm.o : module_comm_dm.F
module_comm_dm_0.o : module_comm_dm_0.F
module_comm_dm_1.o : module_comm_dm_1.F
module_comm_dm_2.o : module_comm_dm_2.F
module_comm_dm_3.o : module_comm_dm_3.F
module_comm_nesting_dm.o : module_comm_nesting_dm.F
module_configure.o : module_configure.F
module_domain.o : module_domain.F
module_domain_type.o : module_domain_type.F
module_alloc_space_0.o : module_alloc_space_0.F
module_alloc_space_1.o : module_alloc_space_1.F
module_alloc_space_2.o : module_alloc_space_2.F
module_alloc_space_3.o : module_alloc_space_3.F
module_alloc_space_4.o : module_alloc_space_4.F
module_alloc_space_5.o : module_alloc_space_5.F
module_alloc_space_6.o : module_alloc_space_6.F
module_alloc_space_7.o : module_alloc_space_7.F
module_alloc_space_8.o : module_alloc_space_8.F
module_alloc_space_9.o : module_alloc_space_9.F
module_tiles.o : module_tiles.F
module_initialize.o : module_initialize.F
module_physics_init.o : module_physics_init.F
module_initialize_squall2d_x.o : module_initialize_squall2d_x.F
module_initialize_squall2d_y.o : module_initialize_squall2d_y.F
```



```

module_initialize_scm_xy.o : module_initialize_scm_xy.F
module_integrate.o : module_integrate.F
module_io_mm5.o : module_io_mm5.F
module_io_wrf.o : module_io_wrf.F
module_si_io.o : module_si_io.F
module_wps_io_arw.o : module_wps_io_arw.F
module_state_description.o : module_state_description.F
output_wrf.o : output_wrf.F
solve_interface.o : solve_interface.F
start_domain.o : start_domain.F
wrf_bdyin.o : wrf_bdyin.F
wrf_bdyout.o : wrf_bdyout.F
wrf_ext_read_field.o : wrf_ext_read_field.F
wrf_ext_write_field.o : wrf_ext_write_field.F
wrf_fddaobs_in.o : wrf_fddaobs_in.F
wrf_histin.o : wrf_histin.F
wrf_histout.o : wrf_histout.F
wrf_inputin.o : wrf_inputin.F
wrf_inputout.o : wrf_inputout.F
wrf_restartin.o : wrf_restartin.F
wrf_restartout.o : wrf_restartout.F
wrf_tsin.o : wrf_tsin.F
nl_get_0_routines.o : nl_get_0_routines.F
nl_get_1_routines.o : nl_get_1_routines.F
nl_set_0_routines.o : nl_set_0_routines.F
nl_set_1_routines.o : nl_set_1_routines.F

track_driver.o \
convert_nmm.o \
init_modules_em.o \
module_initialize.o \
module_initialize_squall2d_x.o \
module_initialize_squall2d_y.o \
module_initialize_scm_xy.o \
module_integrate.o \
module_io_mm5.o \
module_io_wrf.o \
module_si_io.o \
module_wps_io_arw.o \
module_tiles.o \
output_wrf.o \
solve_interface.o \
start_domain.o \
wrf_fddaobs_in.o \
wrf_tsin.o :
    $(RM) $@
    $(SED_FTN) $*.F > $*.b
    $(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $(OMP_CPP) $*.b > $*.f90
    $(RM) $*.b
    @ if echo $(ARCHFLAGS) | $(FGREP) 'DVAR4D'; then \
echo COMPILING $*.F for 4DVAR ; \
$(WRF_SRC_ROOT_DIR)/var/build/da_name_space.pl $*.f90 > $*.f90.tmp ; \
mv $*.f90.tmp $*.f90 ; \
fi
    if $(FGREP) '!SSOMP' $*.f90 ; then \
if [ -n "$(OMP)" ] ; then echo COMPILING $*.F WITH OMP ; fi ; \
$(FC) -c $(PROMOTION) $(FCNOOPT) $(FCBASEOPTS) $(MODULE_DIRS) $(FCSUFFIX) $(OMP) $*.f90 ; \
else \
if [ -n "$(OMP)" ] ; then echo COMPILING $*.F WITHOUT OMP ; fi ; \
$(FC) -c $(PROMOTION) $(FCNOOPT) $(FCBASEOPTS) $(MODULE_DIRS) $(FCSUFFIX) $*.f90 ; \
fi

#solve_em.o :
# $(RM) $@
# $(SED_FTN) $*.F > $*.b
# $(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $*.b > $*.f90
# $(RM) $*.b
# $(FC) -o $@ -c $(FCFLAGS) $(MODULE_DIRS) $(PROMOTION) $(FCSUFFIX) $(SOLVE_EM_SPECIAL) $(OMP) $*.f90

module_sf_ruclsm.o : module_sf_ruclsm.F

module_sf_ruclsm.o :
    $(RM) $@
    $(SED_FTN) $*.F > $*.b
    $(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $(OMP_CPP) $*.b > $*.f90
    $(RM) $*.b
    if $(FGREP) '!SSOMP' $*.f90 ; then \
echo COMPILING $*.F WITH OMP ; \
if [ -n "$(OMP)" ] ; then echo COMPILING $*.F WITH OMP ; fi ; \
$(FC) -c $(PROMOTION) $(FCREDUCEDOPT) $(FCBASEOPTS) $(MODULE_DIRS) $(FCSUFFIX) $(OMP) $*.f90 ; \
else \
if [ -n "$(OMP)" ] ; then echo COMPILING $*.F WITHOUT OMP ; fi ; \
$(FC) -c $(PROMOTION) $(FCREDUCEDOPT) $(FCBASEOPTS) $(MODULE_DIRS) $(FCSUFFIX) $*.f90 ; \
fi

# compile without OMP
input_wrf.o \
module_domain.o \
module_domain_type.o \
module_physics_init.o \
module_io.o \
wrf_bdyin.o \
wrf_bdyout.o \
wrf_ext_read_field.o \
wrf_ext_write_field.o \
wrf_histin.o \
wrf_histout.o \
wrf_inputin.o \

```

```
wrf_inputout.o \
wrf_restartin.o \
wrf_restartout.o \
module_state_description.o \
module_alloc_space.o \
module_alloc_space_0.o \
module_alloc_space_1.o \
module_alloc_space_2.o \
module_alloc_space_3.o \
module_alloc_space_4.o \
module_alloc_space_5.o \
module_alloc_space_6.o \
module_alloc_space_7.o \
module_alloc_space_8.o \
module_alloc_space_9.o \
module_comm_dm.o \
module_comm_dm_0.o \
module_comm_dm_1.o \
module_comm_dm_2.o \
module_comm_dm_3.o \
module_comm_nesting_dm.o \
module_configure.o :
$(RM) $@
$(CPP) -I$(WRF_SRC_ROOT_DIR)/inc $(CPPFLAGS) $(OMPCPP) $*.F > $*.bb
$(SED_FTN) $*.bb | $(CPP) $(TRADFLAG) > $*.f90
@ if echo $(ARCHFLAGS) | $(FGREP) 'DVAR4D'; then \
echo COMPILING $*.F for 4DVAR ; \
$(WRF_SRC_ROOT_DIR)/var/build/da_name_space.pl $*.f90 > $*.f90.tmp ; \
mv $*.f90.tmp $*.f90 ; \
fi
$(RM) $*.b $*.bb
$(FC) -c $(PROMOTION) $(FCSUFFIX) $(FCNOOPT) $(FCBASEOPTS) $(MODULE_DIRS) $*.f90
```

Una vez completada la configuración, se decidió compilar el modelo WRF para casos reales de todas opciones se enumeran a continuación:

### **em\_real (caso real 3d)**

```
em_quarter_ss (caso ideal 3d)
em_b_wave (caso ideal 3d)
em_les (caso ideal 3d)
em_heldsuarez (caso ideal 3d)
em_tropical_cyclone (caso ideal 3d)
em_hill2d_x (2d caso ideal)
em_squall2d_x (caso ideal 2d)
em_squall2d_y (caso ideal 2d)
em_grav2d_x (caso ideal 2d)
em_seabreeze2d_x (caso ideal 2d)
em_scm_xy (caso ideal 1d)
```

ejecutando el siguiente comando

```
./compile em_real> & log.compile
```

la revisión del archivo log.compile permitió ver que no se presentaron errores tal como lo muestra la salida:

```
None of WRF_EM_CORE, WRF_NMM_CORE,
specified in shell environment...
```

```
-----
V4.0
```

```
Compiling: WRF_EM_CORE
```

```
Linux localhost.localdomain 3.10.0-862.3.2.el7.x86_64 #1 SMP Mon May 21 23:36:36 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux
```

```
GNU Fortran (GCC) 4.8.5 20150623 (Red Hat 4.8.5-28)
Copyright (C) 2015 Free Software Foundation, Inc.
```

```
GNU Fortran viene SIN GARANTÍA, a la extensión permitida por ley.
Puede distribuir copias de GNU Fortran
bajo los términos de la Licencia Pública General GPL.
Para más información sobre estos asuntos, vea el fichero llamado COPYING
```

```
-----
setting parallel make -j 2
```

The following indicate the compilers selected to build the WRF system

Serial Fortran compiler (mostly for tool generation):

which SFC  
/usr/bin/gfortran

Serial C compiler (mostly for tool generation):

which SCC  
/usr/bin/gcc

Fortran compiler for the model source code:

which FC  
/home/jfruizm/Build\_WRF/LIBRARIES/mpich/bin/mpif90  
Will use 'time' to report timing information

C compiler for the model source code:

which CC  
/home/jfruizm/Build\_WRF/LIBRARIES/mpich/bin/mpicc

```
make -i -r MODULE_DIRS=".:/dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" ext
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
if [ 0 -eq 0 ] ; then \
  ( cd frame ; make -i -r externals ) ; \
else \
  ( cd frame ; make -i -r PLUSFLAG="-DWRFPPLUS=1" externals ) ; \
fi
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/frame'
( cd /U01/Build_WRF/WRF/external/esmf_time_f90 ; \
  make -j 2 FC="gfortran" -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 "RANLIB="ranlib" \
  CPP="/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/frame -I. -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -
  DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -
  DUSE_ALLOCATABLES -Dwrmodel -DGRI1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -
  DMAX_HISTORY=25 -DNMM_NEST=0 -traditional-cpp" AR="ar" ARFLAGS="ru" )
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/esmf_time_f90'
make[3]: No se hace nada para 'default'.
make[3]: se sale del directorio '/U01/Build_WRF/WRF/external/esmf_time_f90'
( cd /U01/Build_WRF/WRF/external/io_netcdf ; \
  make -j 2 NETCDFPATH="/home/jfruizm/Build_WRF/LIBRARIES/netcdf" RANLIB="ranlib" CPP="/lib/cpp -P -nostdinc" \
  CC="gcc" CFLAGS="-w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0" \
  FC="gfortran -O2 -ffree-form -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 "TRADFLAG="-traditional-cpp" AR="ar" ARFLAGS="ru" )
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_netcdf'
make[3]: No se hace nada para 'all'.
make[3]: se sale del directorio '/U01/Build_WRF/WRF/external/io_netcdf'
( cd /U01/Build_WRF/WRF/external/ioapi_share ; \
  make -i -r NATIVE_RWORDSIZE="4" RWORDSIZE="4" AR="ar" ARFLAGS="ru" )
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/ioapi_share'
make[3]: No se hace nada para 'all'.
make[3]: se sale del directorio '/U01/Build_WRF/WRF/external/ioapi_share'
( cd /U01/Build_WRF/WRF/external/io_grib_share ; \
  make -j 2 CC="gcc" CFLAGS="-w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0" RM="rm -f" RANLIB="ranlib" CPP="/lib/cpp -P -nostdinc" \
  FC="gfortran -I. -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 "TRADFLAG="-traditional-cpp" AR="ar" ARFLAGS="ru" archive)
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib_share'
make[4]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib_share'
rm -f io_grib_share.o
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gridnav.c
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -DGRI1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp -
traditional-cpp -I. io_grib_share.F > io_grib_share.f90
gfortran -I. -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I. -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-
marker=4 -c io_grib_share.f90
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c open_file.c
ar ru /libio_grib_share.a io_grib_share.o get_region_center.o gridnav.o open_file.o
ar: creando /libio_grib_share.a
ranlib /libio_grib_share.a
make[4]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib_share'
make[3]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib_share'
( cd /U01/Build_WRF/WRF/external/io_grib1 ; \
  make -j 2 CC="gcc" CFLAGS="-w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0" RM="rm -f" RANLIB="ranlib" CPP="/lib/cpp -P -nostdinc" \
  FC="gfortran -I. -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 "TRADFLAG="-traditional-cpp" AR="ar" ARFLAGS="ru" archive)
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1'
Doing make archive on library subdirectory MEL_grib1
make[4]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1/MEL_grib1'
make[5]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1/MEL_grib1'
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c FTP_getfile.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c apply_bitmap.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c display_gribhdr.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gbyte.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib_dec.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib_enc.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib_seek.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribgetbds.c
```

```

gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribgetbms.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribgetgds.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribgetpds.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribhdr2file.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribputbds.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribputgds.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribputpds.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c hdr_print.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c init_dec_struct.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c init_enc_struct.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c init_gribhdr.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c init_struct.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c ld_dec_lookup.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c ld_enc_input.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c ld_enc_lookup.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c ld_grib_origrtrs.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c make_default_grbfn.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c make_grib_log.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c map_lv.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c map_parm.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c pack_spatial.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c prt_inp_struct.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c upd_child_errmsg.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c prt_badmsg.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c swap.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib_uthin.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c set_bytes.c
ar ru ../libio_grib1.a FTP_getfile.o apply_bitmap.o display_gribhdr.o gbyte.o grib_dec.o grib_enc.o grib_seek.o gribgetbds.o gribgetbms.o gribgetgds.o gribgetpds.o gribhdr2file.o gribputbds.o gribputgds.o
gribputpds.o hdr_print.o init_dec_struct.o init_enc_struct.o init_gribhdr.o init_struct.o ld_dec_lookup.o ld_enc_input.o ld_enc_lookup.o ld_grib_origrtrs.o make_default_grbfn.o make_grib_log.o map_lv.o
map_parm.o pack_spatial.o prt_inp_struct.o upd_child_errmsg.o prt_badmsg.o swap.o grib_uthin.o set_bytes.o
ar: creando ../libio_grib1.a
ranlib ../libio_grib1.a
make[5]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib1/MEL_grib1'
make[4]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib1/MEL_grib1'
Doing make archive on library subdirectory grib1_util
make[4]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1/grib1_util'
make[5]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1/grib1_util'
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c alloc_2d.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c read_grib.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c write_grib.c
ar ru ../libio_grib1.a alloc_2d.o read_grib.o write_grib.o
ranlib ../libio_grib1.a
make[5]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib1/grib1_util'
make[4]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib1/grib1_util'
Doing make archive on library subdirectory WGRIB
make[4]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1/WGRIB'
gcc -c -O wgrib_main.c
gcc -c -O seekgrib.c
gcc -c -O ibm2flt.c
gcc -c -O readgrib.c
gcc -c -O intpower.c
gcc -c -O cnames.c
gcc -c -O BDSunpk.c
gcc -c -O flt2ieec.c
gcc -c -O wrtieec.c
gcc -c -O levels.c
gcc -c -O PDStimes.c
gcc -c -O missing.c
gcc -c -O nceptable_reanal.c
gcc -c -O nceptable_opn.c
gcc -c -O ensemble.c
gcc -c -O ombtable.c
gcc -c -O ec_ext.c
gcc -c -O gribtable.c
gcc -c -O gds_grid.c
gcc -c -O PDS_date.c
gcc -c -O ectable_128.c
gcc -c -O ectable_129.c
gcc -c -O ectable_130.c
gcc -c -O ectable_131.c
gcc -c -O ectable_140.c
gcc -c -O ectable_150.c
gcc -c -O ectable_151.c
gcc -c -O ectable_160.c
gcc -c -O ectable_170.c
gcc -c -O ectable_180.c
gcc -c -O nceptab_129.c
gcc -c -O dwdtable_002.c
gcc -c -O dwdtable_201.c
gcc -c -O dwdtable_202.c
gcc -c -O dwdtable_203.c
gcc -c -O cptectable_254.c
gcc -c -O nceptab_130.c
gcc -c -O nceptab_131.c
gcc -o wgrib.exe wgrib_main.o seekgrib.o ibm2flt.o readgrib.o intpower.o cnames.o BDSunpk.o flt2ieec.o wrtieec.o levels.o PDStimes.o missing.o nceptable_reanal.o nceptable_opn.o ensemble.o
ombtable.o ec_ext.o gribtable.o gds_grid.o PDS_date.o ectable_128.o ectable_129.o ectable_130.o ectable_131.o ectable_140.o ectable_150.o ectable_151.o ectable_160.o ectable_170.o ectable_180.o
nceptab_129.o dwdtable_002.o dwdtable_201.o dwdtable_202.o dwdtable_203.o cptectable_254.o nceptab_130.o nceptab_131.o #lm
( cd . ; \rm -f wgrib.exe ; \ln -sf WGRIB/wgrib.exe wgrib.exe ; cd WGRIB )
make[4]: se sale del directorio '/U01/Build_WRF/WRF/external/io_grib1/WGRIB'
make[4]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_grib1'
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib1_routines.c
gcc -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c gribmap.c
rm -f io_grib1.o
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRI1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp -
traditional-cpp -I. -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c grib1.f > io_grib1.f90

```

```

gfortran -I. -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I. -I./MEL_grib1 -Igrib1_util -I./io_grib_share -I./ -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-
line-length-none -fconvert=big-endian -frecord-marker=4 -c io_grib1.f90
gcc -I. -I./MEL_grib1 -Igrib1_util -I./io_grib_share -I./ -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c trim.c
ar ru ./libio_grib1.a grib1_routines.o gribmap.o io_grib1.o trim.o
ranlib ./libio_grib1.a
make[4]: se sale del directorio /U01/Build_WRF/WRF/external/io_grib1'
make[3]: se sale del directorio /U01/Build_WRF/WRF/external/io_grib1'
(cd /U01/Build_WRF/WRF/external/io_int ; \
    make -j 2 CC="mpicc -cc=gcc -DFSEEEK064_OK" CFLAGS_LOCAL="" -w -O3 -c "RM="rm -f" RANLIB="ranlib" CPP="/lib/cpp -P -nostdinc" \
    FC="time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4" FGREP="fgrep -iq" \
    TRADFLAG="-traditional-cpp" AR="ar" ARFLAGS="ru" ARCHFLAGS="-DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -
DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -
DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -
DMAX_HISTORY=25 -DNMM_NEST=0" all)
make[3]: se ingresa al directorio /U01/Build_WRF/WRF/external/io_int'
rm -f module_internal_header_util.f
awk '{print "#define", toupper($4), $6}' < ./inc/intio_tags.h > io_int_idx_tags.h
cp ./inc/frame/module_internal_header_util.F mod_int_hdr_util.b
./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -
DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I./inc -I./ioapi_share
mod_int_hdr_util.b > module_internal_header_util.f
./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -
DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 module_io_int_idx.F90 >
module_io_int_idx.f
./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -
DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -DEM_CORE=1 -
DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -
DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -
DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 module_io_int_read.F90 > module_io_int_read.f
rm -f mod_int_hdr_util.b
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -
DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 test_io_idx.F90 >
test_io_idx.f
Diffwrf io_int will be built later on in this compile. No need to rerun compile.
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -o module_internal_header_util.o -c module_internal_header_util.f
mpicc -cc=gcc -DFSEEEK064_OK -o io_int_idx.o -c -w -O3 -c io_int_idx.c
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -o module_io_int_idx.o -c module_io_int_idx.f
0.21user 0.03system 0:00.25elapsed 100%CPU (0avgtext+0avgdata 18604maxresident)k
0inputs+232outputs (0major+15614minor)pagefaults 0swaps
./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -
DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I./inc -I./ioapi_share
io_int.F90 | m4 -Uinclude -Uindex -Ulen -> io_int.f
0.04user 0.02system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 13136maxresident)k
0inputs+40outputs (0major+14176minor)pagefaults 0swaps
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -I./inc -I./ioapi_share -o io_int_read.f
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -I./inc -I./ioapi_share -o io_int.o -c io_int.f
0.01user 0.02system 0:00.03elapsed 105%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+24outputs (0major+12915minor)pagefaults 0swaps
0.50user 0.06system 0:00.56elapsed 100%CPU (0avgtext+0avgdata 31336maxresident)k
0inputs+424outputs (0major+19726minor)pagefaults 0swaps
rm -f libwrfio_int.a
if [ `echo "time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4" | awk '{print $1}'` = "gfortran" ] ; then \
    echo removing external declaration of iargc for gfortran ; \
    ./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -
I./ioapi_share diffwrf.F90 | \
    sed 's/integer *, *external.*iargc/d' > diffwrf.f ; \
else \
    ./lib/cpp -P -nostdinc -traditional-cpp -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -
I./ioapi_share diffwrf.F90 > diffwrf.f ; \
fi ; \
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -I./ioapi_share diffwrf.f ; \
ar ru libwrfio_int.a io_int.o io_int_idx.o module_io_int_idx.o module_io_int_read.o
ar: creando libwrfio_int.a
ranlib libwrfio_int.a
time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -o test_io_idx_test_io_idx.f -L -lwrfio_int
0.06user 0.04system 0:00.10elapsed 101%CPU (0avgtext+0avgdata 10524maxresident)k
0inputs+40outputs (0major+20307minor)pagefaults 0swaps

real 0m0.342s
user 0m0.294s
sys 0m0.049s
if [ -f ./frame/pack_utils.o -a -f ./frame/clog.o ] ; then \
    time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -
frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./ioapi_share -o diffwrf diffwrf.f \
    ./frame/pack_utils.o ./frame/module_internal_header_util.o ./frame/module_driver_constants.o ./frame/module_machine.o ./frame/module_wrf_error.o ./frame/module_wrf_debug.o
libwrfio_int.a ; \
fi

```























```
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
c1fm1f.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 c1fm1f.f90
rm -f zmf3kb.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
cmf3kb.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 cmf3kb.f90
rm -f c1fm1f.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
cosqli.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 cosqli.f90
rm -f ccosqli.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
costmf.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 costmf.f90
rm -f cmf3kb.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
dcosqlb.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 dcosqlb.f90
rm -f ccostmf.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
dffli.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 dffli.f90
rm -f dcosqlb.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
mestfl.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 mestfl.f90
rm -f dffli.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
mrftfl.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 mrftfl.f90
rm -f mestfl.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
r1fgkb.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 r1fgkb.f90
rm -f mrftfl.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
rft2f.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 rft2f.f90
rm -f rft2f.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
sinqmf.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 sinqmf.f90
rm -f r1fgkb.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
z1f2kb.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 z1f2kb.f90
rm -f sinqmf.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
zfft1b.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 zfft1b.f90
rm -f z1f2kb.f90
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -DGRIB1 -DINTIO -
DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp
zmf3kf.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 zmf3kf.f90
rm -f zfft1b.f90
gfortran -c -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 zmf3kf.f90
rm -f zmf3kf.f90
ar -r libftpack.a c1f2kb.o cfft1b.o cmf3kf.o cosqbl.o costmio.o dcosqlf.o dffbl.o mradb2.o mrftfl.o r1fgkf.o rfft2i.o sinqmi.o z1f2kf.o zfft1f.o zmf4kb.o c1f2kf.o cfft1f.o cmf4kb.o cosqfl.o
d1f2kb.o dcosqlf.o dffbl.o mradb3.o msntbl.o r4_factor.o rftbl.o sint1b.o z1f3kb.o zfft1i.o zmf4kf.o c1f3kb.o cfft1i.o cmf4kf.o cosqmb.o d1f2kf.o dcosqbl.o dffli.o mradb4.o msntfl.o
r4_mcfli.o rfftfl.o sint1f.o z1f3kf.o zfft2b.o zmf5kb.o c1f3kf.o cfft2b.o cmf5kb.o cosqmf.o d1f3kb.o dcosqfl.o dsint1b.o mradb5.o r1f2kb.o r4_tables.o rfftli.o sintli.o z1f4kb.o zfft2f.o
zmf5kf.o c1f4kb.o cfft2f.o cmf5kf.o cosqmi.o d1f3kf.o deost1b.o dsint1f.o mradb.o r1f2kf.o r8_factor.o rftmb.o sintb.o z1f4kf.o zfft2i.o zmf6kb.o c1f4kf.o cfft2i.o cmf6kb.o cost1b.o d1f4kb.o
deost1f.o dsint1f.o mradb2.o r1f3kb.o r8_mcfli.o rftmf.o sintf.o z1f5kb.o zfftmb.o zmf6kf.o c1f5kb.o cfftmb.o cmf6kf.o cost1f.o d1f4kf.o deost1i.o dsint1b.o mradb3.o r1f3kf.o r8_tables.o
rftmi.o sintmb.o z1f5kf.o zfftmf.o zmf7b.o c1f5kf.o cfftmf.o cmf7b.o cost1i.o d1f5kb.o dcost1b.o dsint1f.o mradb4.o r1f4kb.o rft1b.o sinq1b.o sintmf.o z1f6kb.o zfftmi.o cmf7b.o
c1f6kb.o cfftmi.o cmf7b.o cost1b.o d1f5kf.o deostfl.o mesqbl.o mradb5.o r1f4kf.o rft1f.o sinq1f.o sintmi.o z1f6kf.o zmf2kb.o c1f6kf.o cmf2kb.o cosq1b.o costfl.o d1f6kb.o dff1b.o
mesqfl.o mradbfl.o r1f5kb.o rfft1i.o sinq1i.o xercon.o z1f7b.o zmf2kf.o c1f7b.o cmf2kf.o cosq1f.o costmb.o d1f6kf.o dff1f.o mestbl.o mrftfl.o r1f5kf.o rfft2b.o sinqmb.o xerfft.o
z1f7b.o zmf3kb.o c1f7b.o cmf3kb.o cosqli.o costmf.o dcosqlb.o dffli.o mestfl.o mrftfl.o r1fgkb.o rfft2f.o sinqmf.o z1f2kb.o zfft1b.o zmf3kf.o
ar: creando libftpack.a
ranlib libftpack.a
make[3]: se sale del directorio /U01/Build_WRF/WRF/external/ftpack/ftpack5
(cd /U01/Build_WRF/WRF/external/RSL_LITE ; make -j 2 CC="mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0" \
```



```

FC="time mpi90 -f90=gfortran -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -fconvert=big-endian -frecord-marker=4" \
CPP="/lib/cpp -P -nostdinc -I. -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -traditional-cpp" AR="ar" ARFLAGS="ru" \
ranlib /U01/Build_WRF/WRF/external/RSL_LITE/librsl_lite.a)
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/external/RSL_LITE'
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c c_code.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c buf_for_proc.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c rsl_malloc.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c rsl_beast.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c task_for_point.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c period.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c swap.c
mpicc -cc=gcc -DFSEEK064_OK -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -c cycle.c
/lib/cpp -P -nostdinc -I. -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -traditional-cpp
f_pack.F90 > f_pack.f
time mpi90 -f90=gfortran -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -fconvert=big-endian -frecord-marker=4 -o f_pack.o -c f_pack.f
0.68user 0.03system 0:00.72elapsed 100%CPU (0avgtext+0avgdata 29652maxresident)k
0inputs+408outputs (0major+17267minor)pagefaults 0swaps
/lib/cpp -P -nostdinc -I. -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -traditional-cpp
f_xpose.F90 > f_xpose.f
time mpi90 -f90=gfortran -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -fconvert=big-endian -frecord-marker=4 -o f_xpose.o -c f_xpose.f
0.43user 0.03system 0:00.46elapsed 98%CPU (0avgtext+0avgdata 27588maxresident)k
48inputs+256outputs (0major+17189minor)pagefaults 0swaps
/bin/rm -f librsl_lite.a
ar cr librsl_lite.a c_code.o buf_for_proc.o rsl_malloc.o rsl_beast.o task_for_point.o period.o swap.o cycle.o f_pack.o f_xpose.o
make[3]: se sale del directorio '/U01/Build_WRF/WRF/external/RSL_LITE'
( if [ ! -e /U01/Build_WRF/WRF/tools/gen_comms.c ] ; then \
    /bin/cp /U01/Build_WRF/WRF/tools/gen_comms_warning /U01/Build_WRF/WRF/tools/gen_comms.c ; \
    cat /U01/Build_WRF/WRF/external/RSL_LITE/gen_comms.c >> /U01/Build_WRF/WRF/tools/gen_comms.c ; fi )
( if [ ! -e module_dm.F ] ; then /bin/cp module_dm_warning module_dm.F ; \
    cat /U01/Build_WRF/WRF/external/RSL_LITE/module_dm.F >> module_dm.F ; fi )
make[2]: se sale del directorio '/U01/Build_WRF/WRF/frame'
make[1]: se sale del directorio '/home/jfruizm/Build_WRF/WRF'
make -i -r MODULE_DIRS="-I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_nctcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" toolsdir
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
if [ 0 -eq 0 ] ; then \
( cd tools ; make -i -r CC_TOOLS_CFLAGS="-DNMM_CORE=0" CC_TOOLS="gcc -DIWORDSIZE=4 -DMAX_HISTORY=25" ) ; \
else \
( cd tools ; make -i -r CC_TOOLS_CFLAGS="-DNMM_CORE=0" CC_TOOLS="gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DWRFPPLUS=1" ) ; \
fi
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/tools'
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g registry.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g my_strtok.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g reg_parse.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g data.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g type.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g misc.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_defs.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_allocs.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_mod_state_descr.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_scalar_indices.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_args.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_config.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g sym.c
sym.c: En la función 'sym_init':
sym.c:77:2: aviso: declaración implícita incompatible de la función interna 'exit' [activado por defecto]
exit(1);
^
sym.c: En la función 'sym_forget':
sym.c:157:7: aviso: declaración implícita incompatible de la función interna 'exit' [activado por defecto]
exit(1);
^
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g symtab_gen.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_irr_diag.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_model_data_ord.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_interp.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_comms.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_scalar_derefs.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g set_dim_strs.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_wrf_io.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g gen_streams.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -DNMM_CORE=0 -c -g standard.c
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -o standard.exe -g standard.o
gcc -DIWORDSIZE=4 -DMAX_HISTORY=25 -o registry -g registry.o my_strtok.o reg_parse.o data.o type.o misc.o gen_defs.o gen_allocs.o gen_mod_state_descr.o gen_scalar_indices.o gen_args.o gen_config.o sym.o symtab_gen.o gen_irr_diag.o gen_model_data_ord.o gen_interp.o gen_comms.o gen_scalar_derefs.o set_dim_strs.o gen_wrf_io.o gen_streams.o
make[2]: se sale del directorio '/U01/Build_WRF/WRF/tools'
make[1]: se sale del directorio '/home/jfruizm/Build_WRF/WRF'
/bin/rm -f main/libwrf.lib.a main/libwrf.lib
make -i -r MODULE_DIRS="-I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_nctcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" framework
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
( cd frame ; make -i -r -j 2 LLIST="" framework ; \
cd ../external/io_nctcdf ; \
make -i -r NETCDFPATH="/home/jfruizm/Build_WRF/LIBRARIES/netcdf" \
FC="time mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " RANLIB="ranlib" \

```

```

    CPP="/lib/cpp -P -nostdinc" LDFLAGS="-O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " TRADFLAG="-traditional-cpp"
ESMF_IO_LIB_EXT="-L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time\"
LIB_LOCAL=""
    ESMF_MOD_DEPENDENCE="/U01/Build_WRF/WRF/external/esmf_time_f90/module_utility.o" AR="INTERNAL_BUILD_ERROR_SHOULD_NOT_NEED_AR" diffwrf; \
cd ./io_netcdf; \
make -i -r NETCDFPATH="/home/jfruizm/Build_WRF/LIBRARIES/netcdf" \
FC="gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " RANLIB="ranlib" \
CPP="/lib/cpp -P -nostdinc" LDFLAGS="-O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " TRADFLAG="-traditional-cpp"
ESMF_IO_LIB_EXT="-L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time\"
LIB_LOCAL=""
    ESMF_MOD_DEPENDENCE="/U01/Build_WRF/WRF/external/esmf_time_f90/module_utility.o" AR="INTERNAL_BUILD_ERROR_SHOULD_NOT_NEED_AR"; \
cd ./io_pio; \
echo SKIPPING PIO BUILD make -i -r NETCDFPATH="" \
FC="gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " RANLIB="ranlib" \
CPP="/lib/cpp -P -nostdinc" LDFLAGS="-O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " TRADFLAG="-traditional-cpp"
ESMF_IO_LIB_EXT="-L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time\"
LIB_LOCAL=""
    ESMF_MOD_DEPENDENCE="/U01/Build_WRF/WRF/external/esmf_time_f90/module_utility.o" AR="INTERNAL_BUILD_ERROR_SHOULD_NOT_NEED_AR"; \
cd ./io_int; \
make -i -r SFC="gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " \
FC="gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " \
RANLIB="ranlib" CPP="/lib/cpp -P -nostdinc -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE" DM_FC="mpi90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " \
TRADFLAG="-traditional-cpp" ESMF_IO_LIB_EXT="-L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time\"
ESMF_MOD_DEPENDENCE="/U01/Build_WRF/WRF/external/esmf_time_f90/module_utility.o" AR="INTERNAL_BUILD_ERROR_SHOULD_NOT_NEED_AR" diffwrf; \
cd ../frame )
make[2]: se ingresa al directorio `U01/Build_WRF/WRF/frame'
( cd .; tools/registry -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -DNEW_BDYS Registry/Registry );
rm -f wrf_shutdown.o
sed -e "s/^\s*!*/" -e "s/^\s*!*/" wrf_shutdown.F > wrf_shutdown.G
opening Registry/registry.dimspec
including Registry/registry.dimspec
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp wrf_shutdown.G > wrf_shutdown.bb
opening Registry/registry.em_shared_collection
including Registry/registry.em_shared_collection
opening Registry/Registry.EM_COMMON
including Registry/Registry.EM_COMMON
/U01/Build_WRF/WRF/tools/standard.exe wrf_shutdown.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_shutdown.f90
rm -f wrf_shutdown.G wrf_shutdown.bb
time mpi90 -f90=gfortran -o wrf_shutdown.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_shutdown.f90
0.02user 0.03system 0:00.04elapsed 104%CPU (0avgtext+0avgdata 9616maxresident)k
0inputs+16outputs (0major+16432minor)pagefaults 0swaps
rm -f clog.o
mpicc -cc=gcc -DFSEEKO64_OK -o clog.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 clog.c
opening Registry/registry.io_boilerplate
including Registry/registry.io_boilerplate
opening Registry/io_boilerplate_temporary.inc
including Registry/io_boilerplate_temporary.inc
rm -f hires_timer.o
mpicc -cc=gcc -DFSEEKO64_OK -o hires_timer.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 hires_timer.c
opening Registry/registry.fire
including Registry/registry.fire
opening Registry/registry.avgflx
including Registry/registry.avgflx
opening Registry/registry.stoch
including Registry/registry.stoch
opening Registry/registry.les
including Registry/registry.les
opening Registry/registry.cam
including Registry/registry.cam
opening Registry/registry.clm
including Registry/registry.clm
opening Registry/registry.lake
including Registry/registry.lake
opening Registry/registry.ssb
including Registry/registry.ssb
opening Registry/registry.noahmp
including Registry/registry.noahmp
opening Registry/registry.sbm
including Registry/registry.sbm
rm -f ./share/module_model_constants.o
sed -e "s/^\s*!*/" -e "s/^\s*!*/" ./share/module_model_constants.F > ./share/module_model_constants.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp ./share/module_model_constants.G > ./share/module_model_constants.bb
/U01/Build_WRF/WRF/tools/standard.exe ./share/module_model_constants.bb | /lib/cpp -P -nostdinc -traditional-cpp > ./share/module_model_constants.f90
opening Registry/registry.diags
including Registry/registry.diags
opening Registry/registry.afwa
including Registry/registry.afwa
rm -f ./share/module_model_constants.G ./share/module_model_constants.bb
time mpi90 -f90=gfortran -o ./share/module_model_constants.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include ./share/module_model_constants.f90
opening Registry/registry.rasm_diag
including Registry/registry.rasm_diag
opening Registry/registry.elec

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including Registry/registry.elec
opening Registry/registry.bdy_perturb
including Registry/registry.bdy_perturb
opening Registry/registry.hyb_coord
including Registry/registry.hyb_coord
opening Registry/registry.new3d_wif
including Registry/registry.new3d_wif
opening Registry/registry.trad_fields
including Registry/registry.trad_fields
0.02user 0.02system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 9264maxresident)k
0inputs+64outputs (0major+16327minor)pagefaults 0swaps
if [ "m4 -G" = NA ]; then \
  /bin/cp ./arch/md_calls.inc . ; \
else \
  m4 -G md_calls.m4 > md_calls.inc ; \
fi
/lib/cpp -P -nostdinc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -
DNONSTANDARD_SYSTEM SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -DGRIB1 -DINTIO -
DKEEP_INT -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -traditional-cpp -I./inc
module_internal_header_util.F > module_internal_header_util.f90
gfortran -c -w -ffree-form -fline-length-none -fconvert=big-endian -frecord-marker=4 module_internal_header_util.f90
mpicc -cc=gcc -DFSEEK064_OK -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 wrf_num_bytes_between.c
rm -f libmassv.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' libmassv.F > libmassv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp libmassv.G > libmassv.bb
/U01/Build_WRF/WRF/tools/standard.exe libmassv.bb | /lib/cpp -P -nostdinc -traditional-cpp > libmassv.f90
rm -f libmassv.G libmassv.bb
time mpiF90 -f90=gfortran -o libmassv.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -fline-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include libmassv.f90
0.44user 0.04system 0:00.48elapsed 100%CPU (0avgtext+0avgdata 21748maxresident)k
96inputs+328outputs (0major+19988minor)pagefaults 0swaps
rm -f collect_on_comm.o
mpicc -cc=gcc -DFSEEK064_OK -o collect_on_comm.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 collect_on_comm.c
mpicc -cc=gcc -DFSEEK064_OK -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 -DIWORDSIZE=4 pack_utils.c
rm -f module_wrf_error.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' module_wrf_error.F > module_wrf_error.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_wrf_error.G > module_wrf_error.bb
/U01/Build_WRF/WRF/tools/standard.exe module_wrf_error.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_wrf_error.f90
rm -f module_wrf_error.G module_wrf_error.bb
time mpiF90 -f90=gfortran -o module_wrf_error.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -fline-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_wrf_error.f90
0.07user 0.03system 0:00.10elapsed 99%CPU (0avgtext+0avgdata 13300maxresident)k
0inputs+72outputs (0major+17372minor)pagefaults 0swaps
rm -f module_sm.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' module_sm.F > module_sm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sm.G > module_sm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sm.f90
rm -f module_sm.G module_sm.bb
time mpiF90 -f90=gfortran -o module_sm.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -fline-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sm.f90
0.02user 0.02system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 9080maxresident)k
0inputs+24outputs (0major+16306minor)pagefaults 0swaps
rm -f wrf_debug.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' wrf_debug.F > wrf_debug.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_debug.G > wrf_debug.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_debug.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_debug.f90
rm -f wrf_debug.G wrf_debug.bb
time mpiF90 -f90=gfortran -o wrf_debug.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -fline-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include wrf_debug.f90
0.03user 0.03system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 11888maxresident)k
0inputs+24outputs (0major+17018minor)pagefaults 0swaps
Registry INFO variable counts: 0d 2324 1d 122 2d 1102 3d 885
Packages in gen_scalar_indices
REGISTRY WARNING: o3rad: o3rad_b is not a variable or number; ignoring it
REGISTRY WARNING: o3rad: o3rad_bt is not a variable or number; ignoring it
REGISTRY WARNING: aerod(grid%sm31,grid%sm32,grid%sm33,itrace): aerod_b is not a variable or number; ignoring it
REGISTRY WARNING: aerod(grid%sm31,grid%sm32,grid%sm33,itrace): aerod_bt is not a variable or number; ignoring it
REGISTRY WARNING: aerocut(grid%sm31,grid%sm32,grid%sm33,itrace): aerocut_b is not a variable or number; ignoring it
REGISTRY WARNING: aerocut(grid%sm31,grid%sm32,grid%sm33,itrace): aerocut_bt is not a variable or number; ignoring it
REGISTRY WARNING: om_tmp: om_tmp_b is not a variable or number; ignoring it
REGISTRY WARNING: om_tmp: om_tmp_bt is not a variable or number; ignoring it
REGISTRY WARNING: om_s: om_s_b is not a variable or number; ignoring it
REGISTRY WARNING: om_s: om_s_bt is not a variable or number; ignoring it
REGISTRY WARNING: om_u: om_u_b is not a variable or number; ignoring it
REGISTRY WARNING: om_u: om_u_bt is not a variable or number; ignoring it
REGISTRY WARNING: om_v: om_v_b is not a variable or number; ignoring it
REGISTRY WARNING: om_v: om_v_bt is not a variable or number; ignoring it
REGISTRY WARNING: om_ml: om_ml_b is not a variable or number; ignoring it

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REGISTRY WARNING: om_ml: om_ml_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_sf: field_sf_b is not a variable or number; ignoring it
REGISTRY WARNING: field_sf: field_sf_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_pbl: field_pbl_b is not a variable or number; ignoring it
REGISTRY WARNING: field_pbl: field_pbl_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_conv: field_conv_b is not a variable or number; ignoring it
REGISTRY WARNING: field_conv: field_conv_bt is not a variable or number; ignoring it
REGISTRY WARNING: ru_tendf_stoch: ru_tendf_stoch_b is not a variable or number; ignoring it
REGISTRY WARNING: ru_tendf_stoch: ru_tendf_stoch_bt is not a variable or number; ignoring it
REGISTRY WARNING: rv_tendf_stoch: rv_tendf_stoch_b is not a variable or number; ignoring it
REGISTRY WARNING: rv_tendf_stoch: rv_tendf_stoch_bt is not a variable or number; ignoring it
REGISTRY WARNING: rt_tendf_stoch: rt_tendf_stoch_b is not a variable or number; ignoring it
REGISTRY WARNING: rt_tendf_stoch: rt_tendf_stoch_bt is not a variable or number; ignoring it
REGISTRY WARNING: rand_pert: rand_pert_b is not a variable or number; ignoring it
REGISTRY WARNING: rand_pert: rand_pert_bt is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_conv: pattern_spp_conv_b is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_conv: pattern_spp_conv_bt is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_pbl: pattern_spp_pbl_b is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_pbl: pattern_spp_pbl_bt is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_lsm: pattern_spp_lsm_b is not a variable or number; ignoring it
REGISTRY WARNING: pattern_spp_lsm: pattern_spp_lsm_bt is not a variable or number; ignoring it
REGISTRY WARNING: rstoch: rstoch_b is not a variable or number; ignoring it
REGISTRY WARNING: rstoch: rstoch_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_u_tend_perturb: field_u_tend_perturb_b is not a variable or number; ignoring it
REGISTRY WARNING: field_u_tend_perturb: field_u_tend_perturb_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_v_tend_perturb: field_v_tend_perturb_b is not a variable or number; ignoring it
REGISTRY WARNING: field_v_tend_perturb: field_v_tend_perturb_bt is not a variable or number; ignoring it
REGISTRY WARNING: field_t_tend_perturb: field_t_tend_perturb_b is not a variable or number; ignoring it
REGISTRY WARNING: field_t_tend_perturb: field_t_tend_perturb_bt is not a variable or number; ignoring it
ADVISORY: RSL_LITE version of gen_comms is linked in with registry program.
rm -f module_state_description.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_state_description.F > module_state_description.bb
/U01/Build_WRF/WRF/tools/standard.exe module_state_description.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_state_description.f90
rm -f module_state_description.b module_state_description.bb
time mpi90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn em -I./dyn nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_state_description.f90
0.04user 0.03system 0:00.08elapsed 101%CPU (0avgtext+0avgdata 9876maxresident)k
0inputs+1120outputs (0major+15023minor)pagefaults 0swaps
rm -f module_driver_constants.o
rm -f module_streams.o
sed -e "s/^\\!.*!.*!/" -e "s/^\\!.*!.*!/" module_driver_constants.F > module_driver_constants.G
sed -e "s/^\\!.*!.*!/" -e "s/^\\!.*!.*!/" module_streams.F > module_streams.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_driver_constants.G > module_driver_constants.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_streams.G > module_streams.bb
/U01/Build_WRF/WRF/tools/standard.exe module_driver_constants.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_driver_constants.f90
/U01/Build_WRF/WRF/tools/standard.exe module_streams.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_streams.f90
rm -f module_driver_constants.G module_driver_constants.bb
rm -f module_streams.G module_streams.bb
time mpi90 -f90=gfortran -o module_driver_constants.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn em -I./dyn nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_driver_constants.f90
time mpi90 -f90=gfortran -o module_streams.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn em -I./dyn nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_streams.f90
0.01user 0.03system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 9236maxresident)k
0inputs+72outputs (0major+16311minor)pagefaults 0swaps
rm -f module_timing.o
sed -e "s/^\\!.*!.*!/" -e "s/^\\!.*!.*!/" module_timing.F > module_timing.G
0.02user 0.03system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 10132maxresident)k
0inputs+32outputs (0major+16558minor)pagefaults 0swaps
rm -f module_domain_type.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_timing.G > module_timing.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_domain_type.F > module_domain_type.bb
/U01/Build_WRF/WRF/tools/standard.exe module_timing.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_timing.f90
/U01/Build_WRF/WRF/tools/standard.exe module_domain_type.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_domain_type.f90
rm -f module_timing.G module_timing.bb
time mpi90 -f90=gfortran -o module_timing.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn em -I./dyn nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_timing.f90
rm -f module_domain_type.b module_domain_type.bb
time mpi90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn em -I./dyn nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_domain_type.f90
0.03user 0.03system 0:00.06elapsed 101%CPU (0avgtext+0avgdata 12012maxresident)k
0inputs+40outputs (0major+17023minor)pagefaults 0swaps
rm -f module_machine.o
sed -e "s/^\\!.*!.*!/" -e "s/^\\!.*!.*!/" module_machine.F > module_machine.G
```

```
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_machine.G > module_machine.bb
/U01/Build_WRF/WRF/tools/standard.exe module_machine.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_machine.f90
rm -f module_machine.G module_machine.bb
time mpiF90 -f90=gfortran -o module_machine.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_machine.f90
0.08user 0.02system 0:00.10elapsed 100%CPU (0avgtext+0avgdata 13464maxresident)k
0inputs+88outputs (0major+17487minor)pagefaults 0swaps
rm -f module_quit_outbuf_ops.o
sed -e "s/\\././" -e "s/\\*/" -e "s/\\^*/" module_quit_outbuf_ops.F > module_quit_outbuf_ops.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_quit_outbuf_ops.G > module_quit_outbuf_ops.bb
/U01/Build_WRF/WRF/tools/standard.exe module_quit_outbuf_ops.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_quit_outbuf_ops.f90
rm -f module_quit_outbuf_ops.G module_quit_outbuf_ops.bb
time mpiF90 -f90=gfortran -o module_quit_outbuf_ops.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_quit_outbuf_ops.f90
0.19user 0.02system 0:00.22elapsed 100%CPU (0avgtext+0avgdata 10676maxresident)k
0inputs+1712outputs (0major+15096minor)pagefaults 0swaps
rm -f module_configure.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_configure.F > module_configure.bb
/U01/Build_WRF/WRF/tools/standard.exe module_configure.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_configure.f90
rm -f module_configure.b module_configure.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_configure.f90
0.75user 0.04system 0:00.79elapsed 100%CPU (0avgtext+0avgdata 34732maxresident)k
0inputs+416outputs (0major+23134minor)pagefaults 0swaps
9.75user 0.49system 0:10.24elapsed 100%CPU (0avgtext+0avgdata 709296maxresident)k
0inputs+33488outputs (0major+220790minor)pagefaults 0swaps
rm -f module_alloc_space.o
rm -f module_alloc_space_1.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space.o.F > module_alloc_space.o.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_1.F > module_alloc_space_1.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_1.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_1.f90
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_0.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_0.f90
rm -f module_alloc_space.o module_alloc_space.o.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_0.f90
rm -f module_alloc_space_1.b module_alloc_space_1.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_1.f90
8.07user 0.47system 0:08.55elapsed 99%CPU (0avgtext+0avgdata 740960maxresident)k
0inputs+23280outputs (0major+222545minor)pagefaults 0swaps
rm -f module_alloc_space_2.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_2.F > module_alloc_space_2.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_2.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_2.f90
rm -f module_alloc_space_2.b module_alloc_space_2.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_2.f90
8.22user 0.51system 0:08.73elapsed 99%CPU (0avgtext+0avgdata 753756maxresident)k
0inputs+23760outputs (0major+226179minor)pagefaults 0swaps
rm -f module_alloc_space_3.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_3.F > module_alloc_space_3.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_3.f90
rm -f module_alloc_space_3.b module_alloc_space_3.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_3.f90
0.94user 0.09system 0:01.04elapsed 100%CPU (0avgtext+0avgdata 99520maxresident)k
0inputs+3984outputs (0major+40451minor)pagefaults 0swaps
rm -f module_alloc_space_4.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_4.F > module_alloc_space_4.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_4.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_4.f90
rm -f module_alloc_space_4.b module_alloc_space_4.bb
```

```
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_4.f90
0.21user 0.06system 0:00.27elapsed 100%CPU (0avgtext+0avgdata 28460maxresident)k
0inputs+1600outputs (0major+19606minor)pagefaults 0swaps
rm -f module_alloc_space_5.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_5.F > module_alloc_space_5.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_5.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_5.f90
rm -f module_alloc_space_5.b module_alloc_space_5.bb
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_5.f90
0.24user 0.04system 0:00.28elapsed 100%CPU (0avgtext+0avgdata 28520maxresident)k
0inputs+1600outputs (0major+19622minor)pagefaults 0swaps
rm -f module_alloc_space_6.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_6.F > module_alloc_space_6.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_6.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_6.f90
rm -f module_alloc_space_6.b module_alloc_space_6.bb
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_6.f90
3.59user 0.24system 0:03.83elapsed 100%CPU (0avgtext+0avgdata 355412maxresident)k
0inputs+11664outputs (0major+113407minor)pagefaults 0swaps
rm -f module_alloc_space_7.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_7.F > module_alloc_space_7.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_7.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_7.f90
rm -f module_alloc_space_7.b module_alloc_space_7.bb
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_7.f90
5.48user 0.36system 0:05.85elapsed 99%CPU (0avgtext+0avgdata 536460maxresident)k
0inputs+16768outputs (0major+166194minor)pagefaults 0swaps
rm -f module_alloc_space_8.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_8.F > module_alloc_space_8.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_8.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_8.f90
rm -f module_alloc_space_8.b module_alloc_space_8.bb
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_8.f90
0.18user 0.04system 0:00.21elapsed 100%CPU (0avgtext+0avgdata 24512maxresident)k
0inputs+1472outputs (0major+18528minor)pagefaults 0swaps
rm -f module_alloc_space_9.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_alloc_space_9.F > module_alloc_space_9.bb
/U01/Build_WRF/WRF/tools/standard.exe module_alloc_space_9.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_alloc_space_9.f90
rm -f module_alloc_space_9.b module_alloc_space_9.bb
time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_alloc_space_9.f90
0.18user 0.04system 0:00.22elapsed 100%CPU (0avgtext+0avgdata 24512maxresident)k
0inputs+1472outputs (0major+18532minor)pagefaults 0swaps
/lib/cpp -P -nostdinc -DNMM=0 -L./inc -DNL_get_ROUTINES nl_access_routines.F > yy0.f90
time mpi90 -f90=gfortran -o nl_get_0_routines.o -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include yy0.f90
7.67user 0.45system 0:08.13elapsed 100%CPU (0avgtext+0avgdata 705348maxresident)k
0inputs+22280outputs (0major+212740minor)pagefaults 0swaps
/lib/cpp -P -nostdinc -DNMM=1 -L./inc -DNL_get_ROUTINES nl_access_routines.F > yy1.f90
time mpi90 -f90=gfortran -o nl_get_1_routines.o -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include yy1.f90
7.76user 0.44system 0:08.21elapsed 99%CPU (0avgtext+0avgdata 352820maxresident)k
0inputs+3760outputs (0major+102070minor)pagefaults 0swaps
rm -f yy0.f90
/lib/cpp -P -nostdinc -DNMM=2 -L./inc -DNL_get_ROUTINES nl_access_routines.F > yy2.f90
time mpi90 -f90=gfortran -o nl_get_2_routines.o -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include yy2.f90
7.86user 0.43system 0:08.30elapsed 100%CPU (0avgtext+0avgdata 351996maxresident)k
0inputs+3440outputs (0major+101834minor)pagefaults 0swaps
rm -f yy1.f90
/lib/cpp -P -nostdinc -DNMM=3 -L./inc -DNL_get_ROUTINES nl_access_routines.F > yy3.f90
time mpi90 -f90=gfortran -o nl_get_3_routines.o -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
```







```

/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_comm_dm_3.F > module_comm_dm_3.bb
/U01/Build_WRF/WRF/tools/standard.exe module_comm_dm_3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_comm_dm_3.f90
rm -f module_comm_dm_3.b module_comm_dm_3.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_comm_dm_3.f90
3.43user 0.19system 0:03.62elapsed 100%CPU (0avgtext+0avgdata 93740maxresident)k
0inputs+39760outputs (0major+40575minor)pagefaults 0swaps
rm -f module_comm_dm_4.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_comm_dm_4.F > module_comm_dm_4.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_comm_dm_4.G > module_comm_dm_4.bb
/U01/Build_WRF/WRF/tools/standard.exe module_comm_dm_4.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_comm_dm_4.f90
rm -f module_comm_dm_4.G module_comm_dm_4.bb
time mpiF90 -f90=gfortran -o module_comm_dm_4.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_comm_dm_4.f90
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_comm_dm_4.f90
3.13user 0.14system 0:03.28elapsed 100%CPU (0avgtext+0avgdata 86596maxresident)k
0inputs+35776outputs (0major+38259minor)pagefaults 0swaps
rm -f module_tiles.o
/U01/Build_WRF/WRF/tools/standard.exe module_tiles.F > module_tiles.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_tiles.b > module_tiles.f90
rm -f module_tiles.b
if fgrep -iq '!SOMP' module_tiles.f90 ; then \
  if [ -n "" ] ; then echo COMPILING module_tiles.F WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_tiles.f90 ; \
\
  else \
  if [ -n "" ] ; then echo COMPILING module_tiles.F WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_tiles.f90 ; \
fi
real 0m0.570s
user 0m0.517s
sys 0m0.055s
rm -f module_clear_halos.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_clear_halos.F > module_clear_halos.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_clear_halos.G > module_clear_halos.bb
/U01/Build_WRF/WRF/tools/standard.exe module_clear_halos.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_clear_halos.f90
rm -f module_clear_halos.G module_clear_halos.bb
time mpiF90 -f90=gfortran -o module_clear_halos.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_clear_halos.f90
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_clear_halos.f90
3.30user 0.13system 0:03.43elapsed 100%CPU (0avgtext+0avgdata 134948maxresident)k
0inputs+36240outputs (0major+55841minor)pagefaults 0swaps
rm -f module_cpl.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cpl.F > module_cpl.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_cpl.G > module_cpl.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cpl.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cpl.f90
rm -f module_cpl.G module_cpl.bb
time mpiF90 -f90=gfortran -o module_cpl.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_cpl.f90
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cpl.f90
0.79user 0.05system 0:00.85elapsed 100%CPU (0avgtext+0avgdata 43028maxresident)k
0inputs+23840outputs (0major+26191minor)pagefaults 0swaps
8.88user 0.29system 0:09.17elapsed 100%CPU (0avgtext+0avgdata 180088maxresident)k
0inputs+752240outputs (0major+68528minor)pagefaults 0swaps
rm -f module_comm_dm.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_comm_dm.F > module_comm_dm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_comm_dm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_comm_dm.f90
rm -f module_comm_dm.b module_comm_dm.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_comm_dm.f90
8.27user 0.35system 0:08.62elapsed 100%CPU (0avgtext+0avgdata 288176maxresident)k
0inputs+2209440outputs (0major+86933minor)pagefaults 0swaps
rm -f module_dm.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_dm.F > module_dm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
traditional-cpp module_dm.G > module_dm.bb

```

```

/U01/Build_WRF/WRF/tools/standard.exe module_dm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_dm.f90
rm -f module_dm.G module_dm.bb
time mpiF90 -f90=gfortran -o module_dm.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_dm.f90
66.70user 0.57system 1:07.30elapsed 99%CPU (0avgtext+0avgdata 522140maxresident)k
520inputs+23008outputs (0major+186898minor)pagefaults 0swaps
rm -f module_integrate.o
rm -f module_io.o
/U01/Build_WRF/WRF/tools/standard.exe module_integrate.F > module_integrate.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_io.F > module_io.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_integrate.b > module_integrate.f90
rm -f module_integrate.b
if fgrep -iq '!SOMP' module_integrate.f90; then \
  if [ -n "" ]; then echo COMPILING module_integrate.F WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_integrate.f90 ; \
  else \
  if [ -n "" ]; then echo COMPILING module_integrate.F WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_integrate.f90 ; \
  fi
/U01/Build_WRF/WRF/tools/standard.exe module_io.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_io.f90
rm -f module_io.b module_io.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_io.f90

real 0m2.720s
user 0m2.564s
sys 0m0.155s
rm -f module_io_quit.o
sed -e "s/\^\\.\*.*//m" -e "s/\^\\.\*.*//m" module_io_quit.F > module_io_quit.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_io_quit.G > module_io_quit.bb
/U01/Build_WRF/WRF/tools/standard.exe module_io_quit.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_io_quit.f90
rm -f module_io_quit.G module_io_quit.bb
time mpiF90 -f90=gfortran -o module_io_quit.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_io_quit.f90
1.56user 0.08system 0:01.65elapsed 100%CPU (0avgtext+0avgdata 64020maxresident)k
0inputs+864outputs (0major+30541minor)pagefaults 0swaps
rm -f module_intermediate_nmm.o
sed -e "s/\^\\.\*.*//m" -e "s/\^\\.\*.*//m" module_intermediate_nmm.F > module_intermediate_nmm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZ=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_intermediate_nmm.G > module_intermediate_nmm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_intermediate_nmm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_intermediate_nmm.f90
rm -f module_intermediate_nmm.G module_intermediate_nmm.bb
time mpiF90 -f90=gfortran -o module_intermediate_nmm.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_intermediate_nmm.f90
0.01user 0.03system 0:00.04elapsed 104%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+24outputs (0major+15618minor)pagefaults 0swaps
5.29user 0.28system 0:05.58elapsed 100%CPU (0avgtext+0avgdata 180580maxresident)k
0inputs+8472outputs (0major+59201minor)pagefaults 0swaps
ar ru ./main/libwrf.a module_driver.o module_constants.o module_domain_type.o module_streams.o module_domain.o module_integrate.o module_timing.o module_configure.o module_tiles.o module_machine.o
module_nesting.o module_wrf_error.o module_state_description.o module_sm.o module_io.o module_comm_dm.o module_comm_dm_0.o module_comm_dm_1.o module_comm_dm_2.o
module_comm_dm_3.o module_comm_dm_4.o module_comm_nesting_dm.o module_dm.o module_quit_outbuf_ops.o module_io_quit.o module_intermediate_nmm.o module_cpl.o module_cpl_oasis3.o
module_clear_halos.o wrf_num_bytes_between.o wrf_shutdown.o wrf_debug.o libmassv.o collect_on_comm.o hires_timer.o clog.o nl_get_0_routines.o nl_get_1_routines.o nl_get_2_routines.o
nl_get_3_routines.o nl_get_4_routines.o nl_get_5_routines.o nl_get_6_routines.o nl_get_7_routines.o nl_set_0_routines.o nl_set_1_routines.o nl_set_2_routines.o nl_set_3_routines.o nl_set_4_routines.o
nl_set_5_routines.o nl_set_6_routines.o nl_set_7_routines.o module_alloc_space_0.o module_alloc_space_1.o module_alloc_space_2.o module_alloc_space_3.o module_alloc_space_4.o
module_alloc_space_5.o module_alloc_space_6.o module_alloc_space_7.o module_alloc_space_8.o module_alloc_space_9.o
ar: creando ./main/libwrf.a
ranlib ./main/libwrf.a
make[2]: se sale del directorio '/U01/Build_WRF/WRF/frame'
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_netcdf'
x="echo "time mpiF90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 " | awk '{print $1}'; export x ; \
if [ $x = "gfortran" ]; then \
  echo removing external declaration of iargc for gfortran ; \
  /lib/cpp -P -nostdinc -P -traditional-cpp -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include -L./ioapi_share diffwrf.F90 | sed '/integer *, *,external.*iargc/d' > diffwrf.f ; \
  else \
  /lib/cpp -P -nostdinc -P -traditional-cpp -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include -L./ioapi_share diffwrf.F90 > diffwrf.f ; \
  fi
time mpiF90 -f90=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian
-frecord-marker=4 -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include -L./ioapi_share diffwrf.f
0.49user 0.05system 0:00.54elapsed 100%CPU (0avgtext+0avgdata 29476maxresident)k
0inputs+280outputs (0major+20049minor)pagefaults 0swaps
diffwrf io_netcdf is being built now.

real 0m0.265s
user 0m0.084s

```

```

sys                               0m0.062s
make[2]: se sale del directorio '/U01/Build_WRF/WRF/external/io_netcdf'
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_netcdf'
make[2]: No se hace nada para 'all'.
make[2]: se sale del directorio '/U01/Build_WRF/WRF/external/io_netcdf'
SKIPPING PIO BUILD make -i -r NETCDFPATH=FC=gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 RANLIB=ranlib CPP=/lib/cpp -P -nostdinc LDFLAGS=
-O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 TRADFLAG=traditional-cpp ESMF_IO_LIB_EXT=
-L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time LIB_LOCAL=ESMF_MOD_DEPENDENCE=/U01/Build_WRF/WRF/external/esmf_time_f90/module_utility.o
AR=INTERNAL_BUILD_ERROR_SHOULD_NOT_NEED_AR
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/external/io_int'
if [ -f ../frame/pack_utils.o -a -f ../frame/clog.o ]; then \
  gfortran -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4
-O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L../ioapi_share -o diffwrf diffwrf.f \
  ../frame/pack_utils.o ../frame/module_internal_header_util.o ../frame/module_driver_constants.o ../frame/module_machine.o ../frame/module_wrf_error.o ../frame/wrf_debug.o -
L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time libwrfio_int.a ; \
fi
make[2]: se sale del directorio '/U01/Build_WRF/WRF/external/io_int'
make[1]: se sale del directorio '/home/jfruizm/Build_WRF/WRF'
make -i -r MODULE_DIRS=".L./dyn_em -L./dyn_nmm -L/U01/Build_WRF/WRF/external/esmf_time_f90 -L/U01/Build_WRF/WRF/main -L/U01/Build_WRF/WRF/external/io_netcdf -
L/U01/Build_WRF/WRF/external/io_int -L/U01/Build_WRF/WRF/frame -L/U01/Build_WRF/WRF/share -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/WRF/wrftladj -L/U01/Build_WRF/WRF/chem -
L/U01/Build_WRF/WRF/inc -L/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" shared
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
if [ "echo -j 2 | sed -e 's/-j/g' -e 's/+/g'" -gt "6" ]; then \
  if [ 0 -eq 0 ] ; then \
    ( cd share ; make -i -r -j 6 PERTMOD=" " ) ; \
  else \
    ( cd share ; make -i -r -j 6 PERTMOD="../dyn_em/module_bc_em.o ../wrftladj/mediation_pertmod_io.o" ) ; \
  fi \
else \
  if [ 0 -eq 0 ] ; then \
    ( cd share ; make -i -r -j 2 PERTMOD=" " ) ; \
  else \
    ( cd share ; make -i -r -j 2 PERTMOD="../dyn_em/module_bc_em.o ../wrftladj/mediation_pertmod_io.o" ) ; \
  fi \
fi
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/share'
rm -f module_bc_time_utilities.o
rm -f module_get_file_names.o
sed -e 's/^\s*.*//m' -e 's/^\s*.*//m' module_bc_time_utilities.F > module_bc_time_utilities.G
sed -e 's/^\s*.*//m' -e 's/^\s*.*//m' module_get_file_names.F > module_get_file_names.G
/lib/cpp -P -nostdinc -L/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -L -
traditional-cpp module_bc_time_utilities.G > module_bc_time_utilities.bb
/lib/cpp -P -nostdinc -L/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -L -
traditional-cpp module_get_file_names.G > module_get_file_names.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bc_time_utilities.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bc_time_utilities.f90
/U01/Build_WRF/WRF/tools/standard.exe module_get_file_names.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_get_file_names.f90
rm -f module_bc_time_utilities.G module_bc_time_utilities.bb
rm -f module_get_file_names.G module_get_file_names.bb
time mpi90 -f90=gfortran -o module_bc_time_utilities.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
L/U01/Build_WRF/WRF/external/esmf_time_f90 -L/U01/Build_WRF/WRF/main -L/U01/Build_WRF/WRF/external/io_netcdf -L/U01/Build_WRF/WRF/external/io_int -L/U01/Build_WRF/WRF/frame -
L/U01/Build_WRF/WRF/share -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/wrftladj -L/U01/Build_WRF/WRF/chem -L/U01/Build_WRF/WRF/inc -
L/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bc_time_utilities.f90
time mpi90 -f90=gfortran -o module_get_file_names.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
L/U01/Build_WRF/WRF/external/esmf_time_f90 -L/U01/Build_WRF/WRF/main -L/U01/Build_WRF/WRF/external/io_netcdf -L/U01/Build_WRF/WRF/external/io_int -L/U01/Build_WRF/WRF/frame -
L/U01/Build_WRF/WRF/share -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/wrftladj -L/U01/Build_WRF/WRF/chem -L/U01/Build_WRF/WRF/inc -
L/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_get_file_names.f90
0.04user 0.03system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 11252maxresident)k
0inputs+224outputs (0major+16810minor)pagefaults 0swaps
rm -f module_compute_geop.o
sed -e 's/^\s*.*//m' -e 's/^\s*.*//m' module_compute_geop.F > module_compute_geop.G
/lib/cpp -P -nostdinc -L/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -L -
traditional-cpp module_compute_geop.G > module_compute_geop.bb
/U01/Build_WRF/WRF/tools/standard.exe module_compute_geop.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_compute_geop.f90
rm -f module_compute_geop.G module_compute_geop.bb
time mpi90 -f90=gfortran -o module_compute_geop.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
L/U01/Build_WRF/WRF/external/esmf_time_f90 -L/U01/Build_WRF/WRF/main -L/U01/Build_WRF/WRF/external/io_netcdf -L/U01/Build_WRF/WRF/external/io_int -L/U01/Build_WRF/WRF/frame -
L/U01/Build_WRF/WRF/share -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/wrftladj -L/U01/Build_WRF/WRF/chem -L/U01/Build_WRF/WRF/inc -
L/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_compute_geop.f90
0.07user 0.04system 0:00.11elapsed 100%CPU (0avgtext+0avgdata 14176maxresident)k
0inputs+72outputs (0major+17744minor)pagefaults 0swaps
rm -f module_check_a_mundo.o
sed -e 's/^\s*.*//m' -e 's/^\s*.*//m' module_check_a_mundo.F > module_check_a_mundo.G
/lib/cpp -P -nostdinc -L/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -L -
traditional-cpp module_check_a_mundo.G > module_check_a_mundo.bb
/U01/Build_WRF/WRF/tools/standard.exe module_check_a_mundo.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_check_a_mundo.f90
rm -f module_check_a_mundo.G module_check_a_mundo.bb
time mpi90 -f90=gfortran -o module_check_a_mundo.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
L/U01/Build_WRF/WRF/external/esmf_time_f90 -L/U01/Build_WRF/WRF/main -L/U01/Build_WRF/WRF/external/io_netcdf -L/U01/Build_WRF/WRF/external/io_int -L/U01/Build_WRF/WRF/frame -
L/U01/Build_WRF/WRF/share -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/WRF/phys -L/U01/Build_WRF/wrftladj -L/U01/Build_WRF/WRF/chem -L/U01/Build_WRF/WRF/inc -
L/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_check_a_mundo.f90
0.07user 0.02system 0:00.10elapsed 100%CPU (0avgtext+0avgdata 14096maxresident)k
0inputs+64outputs (0major+17646minor)pagefaults 0swaps
rm -f bobrand.o
mpicc -cc=gcc -DFSEEK064_OK -o bobrand.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 bobrand.c
rm -f module_llxy.o
sed -e 's/^\s*.*//m' -e 's/^\s*.*//m' module_llxy.F > module_llxy.G
/lib/cpp -P -nostdinc -L/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -

```



```

DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp module_bc.G > module_bc.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bc.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bc.f90
rm -f module_bc.G module_bc.bb
time mpiF90 -f90=gfortran -o module_bc.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bc.f90
1.17user 0.08system 0:01.25elapsed 100%CPU (0avgtext+0avgdata 54428maxresident)k
0inputs+216outputs (0major+28170minor)pagefaults 0swaps
rm -f module_io_wrf.o
/U01/Build_WRF/WRF/tools/standard.exe module_io_wrf.F > module_io_wrf.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp module_io_wrf.b > module_io_wrf.f90
rm -f module_io_wrf.b
if fgrep -iq 'SOMP' module_io_wrf.f90 ; then \
  if [ -n "" ] ; then echo COMPILING module_io_wrf.F WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_io_wrf.f90 ; \
  else \
  if [ -n "" ] ; then echo COMPILING module_io_wrf.F WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_io_wrf.f90 ; \
fi

real      0m0.163s
user      0m0.134s
sys       0m0.030s
rm -f module_soil_pre.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' module_soil_pre.F > module_soil_pre.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp module_soil_pre.G > module_soil_pre.bb
/U01/Build_WRF/WRF/tools/standard.exe module_soil_pre.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_soil_pre.f90
rm -f module_soil_pre.G module_soil_pre.bb
time mpiF90 -f90=gfortran -o module_soil_pre.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_soil_pre.f90
3.92user 0.10system 0:04.02elapsed 100%CPU (0avgtext+0avgdata 105296maxresident)k
0inputs+4608outputs (0major+43757minor)pagefaults 0swaps
rm -f wrf_tsin.o
/U01/Build_WRF/WRF/tools/standard.exe wrf_tsin.F > wrf_tsin.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp wrf_tsin.b > wrf_tsin.f90
rm -f wrf_tsin.b
if fgrep -iq 'SOMP' wrf_tsin.f90 ; then \
  if [ -n "" ] ; then echo COMPILING wrf_tsin.F WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_tsin.f90 ; \
  else \
  if [ -n "" ] ; then echo COMPILING wrf_tsin.F WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_tsin.f90 ; \
fi

real      0m0.196s
user      0m0.160s
sys       0m0.038s
rm -f track_input.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' track_input.F > track_input.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp track_input.G > track_input.bb
/U01/Build_WRF/WRF/tools/standard.exe track_input.bb | /lib/cpp -P -nostdinc -traditional-cpp > track_input.f90
rm -f track_input.G track_input.bb
time mpiF90 -f90=gfortran -o track_input.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include track_input.f90
0.18user 0.04system 0:00.22elapsed 100%CPU (0avgtext+0avgdata 25792maxresident)k
0inputs+40outputs (0major+20509minor)pagefaults 0swaps
rm -f set_timekeeping.o
sed -e 's/^!\.*/!/' -e 's/^!\.*/!/' set_timekeeping.F > set_timekeeping.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I.
traditional-cpp set_timekeeping.G > set_timekeeping.bb
/U01/Build_WRF/WRF/tools/standard.exe set_timekeeping.bb | /lib/cpp -P -nostdinc -traditional-cpp > set_timekeeping.f90
rm -f set_timekeeping.G set_timekeeping.bb
time mpiF90 -f90=gfortran -o set_timekeeping.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include set_timekeeping.f90
6.43user 0.16system 0:06.59elapsed 100%CPU (0avgtext+0avgdata 171520maxresident)k
0inputs+5184outputs (0major+59241minor)pagefaults 0swaps

```

```

rm -f sint.o
sed -e 's/^\\!.*$/ -e "s/^.*$/ sint.F > sint.G'
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp sint.G > sint.bb
/U01/Build_WRF/WRF/tools/standard.exe sint.bb | /lib/cpp -P -nostdinc -traditional-cpp > sint.f90
rm -f sint.G sint.bb
time mpiF90 -f90=gfortran -o sint.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include sint.f90
0.60user 0.04system 0:00.64elapsed 100%CPU (0avgtext+0avgdata 35076maxresident)k
0inputs+280outputs (0major+24178minor)pagefaults 0swaps
rm -f wrf_ext_write_field.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_ext_write_field.F > wrf_ext_write_field.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_ext_write_field.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_ext_write_field.f90
rm -f wrf_ext_write_field.b wrf_ext_write_field.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
wrf_ext_write_field.f90
2.09user 0.08system 0:02.18elapsed 100%CPU (0avgtext+0avgdata 76920maxresident)k
0inputs+1208outputs (0major+39732minor)pagefaults 0swaps
rm -f wrf_ext_read_field.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_ext_read_field.F > wrf_ext_read_field.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_ext_read_field.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_ext_read_field.f90
rm -f wrf_ext_read_field.b wrf_ext_read_field.bb
time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
wrf_ext_read_field.f90
0.67user 0.06system 0:00.73elapsed 100%CPU (0avgtext+0avgdata 37704maxresident)k
0inputs+72outputs (0major+21949minor)pagefaults 0swaps
rm -f module_io_domain.o
sed -e 's/^\\!.*$/ -e "s/^.*$/ module_io_domain.F > module_io_domain.G'
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_io_domain.G > module_io_domain.bb
/U01/Build_WRF/WRF/tools/standard.exe module_io_domain.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_io_domain.f90
rm -f module_io_domain.G module_io_domain.bb
time mpiF90 -f90=gfortran -o module_io_domain.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_io_domain.f90
0.63user 0.05system 0:00.68elapsed 100%CPU (0avgtext+0avgdata 36992maxresident)k
0inputs+40outputs (0major+21752minor)pagefaults 0swaps
rm -f landread.o
mpicc -cc=gcc -DFSEEK064_OK -o landread.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 landread.c
rm -f wrf_fddaobs_in.o
/U01/Build_WRF/WRF/tools/standard.exe wrf_fddaobs_in.F > wrf_fddaobs_in.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_fddaobs_in.b > wrf_fddaobs_in.f90
rm -f wrf_fddaobs_in.b
if fgrep -iq '$OMP' wrf_fddaobs_in.f90 ; then \
  if [ -n "" ] ; then echo COMPILING wrf_fddaobs_in.F WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
wrf_fddaobs_in.f90 ; \
else \
  if [ -n "" ] ; then echo COMPILING wrf_fddaobs_in.F WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
wrf_fddaobs_in.f90 ; \
fi

real 0m0.572s
user 0m0.523s
sys 0m0.049s
rm -f setfeenv.o
gcc -o setfeenv.o -c -w -O3 -c -DDM_PARALLEL -DMAX_HISTORY=25 -DNMM_CORE=0 setfeenv.c
rm -f input_wrf.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp input_wrf.F > input_wrf.bb
1.11user 0.07system 0:01.19elapsed 100%CPU (0avgtext+0avgdata 42152maxresident)k
0inputs+8704outputs (0major+25253minor)pagefaults 0swaps
rm -f output_wrf.o
/U01/Build_WRF/WRF/tools/standard.exe output_wrf.F > output_wrf.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFL_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp output_wrf.b > output_wrf.f90
/U01/Build_WRF/WRF/tools/standard.exe input_wrf.bb | /lib/cpp -P -nostdinc -traditional-cpp > input_wrf.f90
rm -f output_wrf.b
rm -f input_wrf.b input_wrf.bb

```

```

if figrep -iq '!SOMP' output_wrf.f90; then \
  if [ -n "" ]; then echo COMPILING output_wrf WITH OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include output_wrf.f90 ; \
else \
  if [ -n "" ]; then echo COMPILING output_wrf WITHOUT OMP ; fi ; \
  time mpiF90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include output_wrf.f90 ; \
fi
time mpiF90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include input_wrf.f90

real      0m0.953s
user      0m0.879s
sys       0m0.075s

rm -f wrf_bdyout.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_bdyout.F > wrf_bdyout.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_bdyout.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_bdyout.f90
rm -f wrf_bdyout.b wrf_bdyout.bb
time mpiF90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_bdyout.f90
0.98user 0.07system 0:01.05elapsed 100%CPU (0avgtext+0avgdata 45480maxresident)k
0inputs+896outputs (0major+24133minor)pagefaults 0swaps
rm -f wrf_bdyin.o
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_bdyin.F > wrf_bdyin.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_bdyin.bb | /lib/cpp -P -nostdinc -traditional-cpp > wrf_bdyin.f90
rm -f wrf_bdyin.b wrf_bdyin.bb
time mpiF90 -f90=gfortran -c -O0 -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_bdyin.f90
0.95user 0.06system 0:01.01elapsed 100%CPU (0avgtext+0avgdata 50516maxresident)k
0inputs+1144outputs (0major+26423minor)pagefaults 0swaps
rm -f dfi.o
sed -e 's/^!\.*/' -e 's/^!\.*/' dfi.F > dfi.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp dfi.G > dfi.bb
/U01/Build_WRF/WRF/tools/standard.exe dfi.bb | /lib/cpp -P -nostdinc -traditional-cpp > dfi.f90
rm -f dfi.G dfi.bb
time mpiF90 -f90=gfortran -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include dfi.f90
0.96user 0.06system 0:01.02elapsed 100%CPU (0avgtext+0avgdata 47556maxresident)k
0inputs+1000outputs (0major+25495minor)pagefaults 0swaps
rm -f mediation_integrate.o
sed -e 's/^!\.*/' -e 's/^!\.*/' mediation_integrate.F > mediation_integrate.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp mediation_integrate.G > mediation_integrate.bb
/U01/Build_WRF/WRF/tools/standard.exe mediation_integrate.bb | /lib/cpp -P -nostdinc -traditional-cpp > mediation_integrate.f90
rm -f mediation_integrate.G mediation_integrate.bb
time mpiF90 -f90=gfortran -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include mediation_integrate.f90
4.91user 0.23system 0:05.15elapsed 100%CPU (0avgtext+0avgdata 139084maxresident)k
0inputs+7120outputs (0major+49427minor)pagefaults 0swaps
rm -f mediation_wrfmain.o
sed -e 's/^!\.*/' -e 's/^!\.*/' mediation_wrfmain.F > mediation_wrfmain.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp mediation_wrfmain.G > mediation_wrfmain.bb
/U01/Build_WRF/WRF/tools/standard.exe mediation_wrfmain.bb | /lib/cpp -P -nostdinc -traditional-cpp > mediation_wrfmain.f90
rm -f mediation_wrfmain.G mediation_wrfmain.bb
time mpiF90 -f90=gfortran -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include mediation_wrfmain.f90
3.36user 0.13system 0:03.49elapsed 100%CPU (0avgtext+0avgdata 91528maxresident)k
0inputs+7040outputs (0major+37311minor)pagefaults 0swaps
rm -f module_random.o
sed -e 's/^!\.*/' -e 's/^!\.*/' module_random.F > module_random.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_random.G > module_random.bb
/U01/Build_WRF/WRF/tools/standard.exe module_random.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_random.f90
rm -f module_random.G module_random.bb
time mpiF90 -f90=gfortran -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_random.f90
0.13user 0.02system 0:00.15elapsed 100%CPU (0avgtext+0avgdata 15920maxresident)k
0inputs+1200outputs (0major+18121minor)pagefaults 0swaps

```

```

rm -f module_interp_nmm.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_interp_nmm.F > module_interp_nmm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_interp_nmm.G > module_interp_nmm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_interp_nmm.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_interp_nmm.f90
rm -f module_interp_nmm.G module_interp_nmm.bb
time mpi90 -f90=gfortran -o module_interp_nmm.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_interp_nmm.f90
10.00user 0.38system 0:10.38elapsed 100%CPU (0avgtext+0avgdata 218368maxresident)k
0inputs+1912outputs (0major+90020minor)pagefaults 0swaps
rm -f module_trajectory.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_trajectory.F > module_trajectory.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_trajectory.G > module_trajectory.bb
/U01/Build_WRF/WRF/tools/standard.exe module_trajectory.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_trajectory.f90
rm -f module_trajectory.G module_trajectory.bb
time mpi90 -f90=gfortran -o module_trajectory.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_trajectory.f90
3.09user 0.11system 0:03.20elapsed 100%CPU (0avgtext+0avgdata 104608maxresident)k
0inputs+1968outputs (0major+41230minor)pagefaults 0swaps
rm -f wrf_tseries.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" wrf_tseries.F > wrf_tseries.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf_tseries.G > wrf_tseries.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf_tseries.bb |/lib/cpp -P -nostdinc -traditional-cpp > wrf_tseries.f90
rm -f wrf_tseries.G wrf_tseries.bb
time mpi90 -f90=gfortran -o wrf_tseries.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf_tseries.f90
1.77user 0.08system 0:01.85elapsed 100%CPU (0avgtext+0avgdata 67068maxresident)k
0inputs+6240outputs (0major+31141minor)pagefaults 0swaps
rm -f track_driver.o
/U01/Build_WRF/WRF/tools/standard.exe track_driver.F > track_driver.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp track_driver.b > track_driver.f90
rm -f track_driver.b
if fgrep -iq "$OMP" track_driver.f90 ; then \
    if [ -n "" ] ; then echo COMPILING track_driver.F WITH OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include track_driver.f90 ; \
    else \
    if [ -n "" ] ; then echo COMPILING track_driver.F WITHOUT OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include track_driver.f90 ; \
fi
real 0m1.164s
user 0m1.094s
sys 0m0.071s
rm -f init_modules.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" init_modules.F > init_modules.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp init_modules.G > init_modules.bb
/U01/Build_WRF/WRF/tools/standard.exe init_modules.bb |/lib/cpp -P -nostdinc -traditional-cpp > init_modules.f90
rm -f init_modules.G init_modules.bb
time mpi90 -f90=gfortran -o init_modules.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include init_modules.f90
0.29user 0.04system 0:00.33elapsed 100%CPU (0avgtext+0avgdata 11140maxresident)k
0inputs+1600outputs (0major+16868minor)pagefaults 0swaps
rm -f interp_fc.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" interp_fc.F > interp_fc.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp interp_fc.G > interp_fc.bb
/U01/Build_WRF/WRF/tools/standard.exe interp_fc.bb |/lib/cpp -P -nostdinc -traditional-cpp > interp_fc.f90
rm -f interp_fc.G interp_fc.bb
time mpi90 -f90=gfortran -o interp_fc.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include interp_fc.f90
8.46user 0.19system 0:08.65elapsed 99%CPU (0avgtext+0avgdata 167668maxresident)k
0inputs+8392outputs (0major+61641minor)pagefaults 0swaps
rm -f mediation_nest_move.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" mediation_nest_move.F > mediation_nest_move.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp mediation_nest_move.G > mediation_nest_move.bb

```



```

/U01/Build_WRF/WRF/tools/standard.exe mediation_nest_move.bb | /lib/cpp -P -nostdinc -traditional-cpp > mediation_nest_move.f90
rm -f mediation_nest_move.G mediation_nest_move.bb
time mpi90 -f90=gfortran -o mediation_nest_move.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include mediation_nest_move.f90
0.58user 0.05system 0:00.64elapsed 99%CPU (0avgtext+0avgdata 36832maxresident)k
0inputs+40outputs (0major+23393minor)pagefaults 0swaps
rm -f module_optional_input.o
sed -e "s/^\!.*$/!/" -e "s/^\!.*$/!/" module_optional_input.F > module_optional_input.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_optional_input.G > module_optional_input.bb
/U01/Build_WRF/WRF/tools/standard.exe module_optional_input.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_optional_input.f90
rm -f module_optional_input.G module_optional_input.bb
time mpi90 -f90=gfortran -o module_optional_input.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_optional_input.f90
4.55user 0.15system 0:04.71elapsed 99%CPU (0avgtext+0avgdata 136008maxresident)k
0inputs+1696outputs (0major+48809minor)pagefaults 0swaps
rm -f solve_interface.o
/U01/Build_WRF/WRF/tools/standard.exe solve_interface.F > solve_interface.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp solve_interface.b > solve_interface.f90
rm -f solve_interface.b
if fgrep -iq '!SOMP' solve_interface.f90 ; then \
    if [ -n "" ] ; then echo COMPILING solve_interface.F WITH OMP ; fi ; \
        time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
solve_interface.f90 ; \
    else \
        if [ -n "" ] ; then echo COMPILING solve_interface.F WITHOUT OMP ; fi ; \
            time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
solve_interface.f90 ; \
        fi
real      0m0.546s
user      0m0.498s
sys       0m0.049s
rm -f start_domain.o
/U01/Build_WRF/WRF/tools/standard.exe start_domain.F > start_domain.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp start_domain.b > start_domain.f90
rm -f start_domain.b
if fgrep -iq '!SOMP' start_domain.f90 ; then \
    if [ -n "" ] ; then echo COMPILING start_domain.F WITH OMP ; fi ; \
        time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
start_domain.f90 ; \
    else \
        if [ -n "" ] ; then echo COMPILING start_domain.F WITHOUT OMP ; fi ; \
            time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
start_domain.f90 ; \
        fi
real      0m0.623s
user      0m0.566s
sys       0m0.058s
6.15user 0.24system 0:06.39elapsed 100%CPU (0avgtext+0avgdata 127472maxresident)k
0inputs+23680outputs (0major+49472minor)pagefaults 0swaps
if [ 0 -eq 1 ] ; then \
    make -i -r nmm_contrib ; \
    ar ru ./main/libwrf.a module_model_constants.o module_bc_time_utilities.o module_get_file_names.o module_compute_geop.o module_check_a_mundo.o module_random.o module_llxy.o
module_interp_nmm.o module_interp_store.o module_MPP.o module_date_time.o module_bc.o module_io_wrf.o module_soil_pre.o module_io_domain.o module_optional_input.o
solve_interface.o mediation_interp_domain.o mediation_force_domain.o mediation_feedback_domain.o start_domain.o init_modules.o set_timekeeping.o interp_fc.o sint.o wrf_ext_write_field.o
wrf_ext_read_field.o wrf_tsin.o landread.o track_driver.o track_input.o module_trajectory.o bobrand.o wrf_timeseries.o track_driver.o wrf_fddaobs_in.o mediation_nest_move.o setfeenv.o input_wrf.o
output_wrf.o wrf_bdyout.o wrf_bdyin.o dfo.o mediation_integrate.o mediation_wrfmain.o ; \
    else \
        ar ru ./main/libwrf.a module_model_constants.o module_bc_time_utilities.o module_get_file_names.o module_compute_geop.o module_check_a_mundo.o module_random.o module_llxy.o
module_interp_nmm.o module_interp_store.o module_MPP.o module_date_time.o module_bc.o module_io_wrf.o module_soil_pre.o module_io_domain.o module_optional_input.o
solve_interface.o mediation_interp_domain.o mediation_force_domain.o mediation_feedback_domain.o start_domain.o init_modules.o set_timekeeping.o interp_fc.o sint.o wrf_ext_write_field.o
wrf_ext_read_field.o wrf_tsin.o landread.o track_driver.o track_input.o module_trajectory.o bobrand.o wrf_timeseries.o track_driver.o wrf_fddaobs_in.o mediation_nest_move.o setfeenv.o input_wrf.o
output_wrf.o wrf_bdyout.o wrf_bdyin.o dfo.o mediation_integrate.o mediation_wrfmain.o ; \
        fi
make[2]: se sale del directorio '/U01/Build_WRF/WRF/share'
make[1]: se sale del directorio '/home/jfruizm/Build_WRF/WRF'
make -i -r MODULE_DIRS="-I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -
I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfctladj -I/U01/Build_WRF/WRF/chem -
I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" physics
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
if [ 0 -eq 0 ] ; then \
    ( cd phys ; make -i -r CF2="" ) ; \
else \
    ( cd phys ; make -i -r CF2="./chem/module_data_mosaic_aset.o" ) ; \
fi
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/phys'

```

```

if [ 0 -eq 1 ] ; then \
    make -i -r -j 2 nmm_contrib ; \
    ar ru ./main/libwrfrib.a module_cam_shr_kind_mod.o module_cam_support.o module_cam_shr_const_mod.o module_cam_physconst.o module_cam_cldwat.o module_cam_wv_saturation.o
module_cam_esinti.o module_cam_gffgch.o module_cam_error_function.o module_cam_constituents.o module_cam_trb_mtn_stress.o module_cam_molec_diff.o module_cam_upper_bc.o
module_cam_bl_diffusion_solver.o module_cam_bl_eddy_diff.o module_cam_mp_microc_aero.o module_cam_mp_cldwat2m_micro.o module_cam_mp_ndrop.o
module_cam_mp_modal_aero_initialize_data_phys.o module_cam_mp_radconstants.o module_cam_mp_conv_water.o module_cam_mp_qneg3.o module_data_cam_mam_aero.o
module_data_cam_mam_asect.o module_cam_infnan.o module_bl_ysu.o module_bl_shinhong.o module_bl_mrf.o module_bl_gfs.o module_bl_gfsedmf.o module_bl_myjpb.o module_bl_qnsepb.o
module_bl_acm.o module_bl_mynn.o module_bl_fogdes.o module_bl_gwdo.o module_bl_myjurb.o module_bl_boulac.o module_bl_camuwpl_driver.o module_bl_mfshconvpbl.o
module_shcu_camuwshcu_driver.o module_shcu_camuwshcu.o module_shcu_grims.o module_shcu_nsev.o module_camzm_driver.o module_cu_camzm.o module_bl_temf.o module_bl_gbmbpl.o
module_cu_g3.o module_cu_kf.o module_cu_bmj.o module_cu_kfeta.o module_cu_mskf.o module_cu_tiedtke.o module_cu_tiedtke.o module_cu_gd.o module_cu_gf_wrfdrv.o module_cu_gf_deep.o
module_cu_gf_sh.o module_cu_ksas.o module_cu_nsas.o module_cu_sas.o module_cu_scalesas.o module_cu_osas.o module_cu_kfcup.o module_mp_radar.o module_mp_kessler.o module_mp_lin.o
module_mp_sbu_ylin.o module_mp_wsm3.o module_mp_wsm5.o module_mp_wsm6.o module_mp_etanew.o module_mp_fer_hires.o module_mp_HWRF.o module_mp_thompson.o
module_mp_full_sbm.o module_mp_fast_sbm.o module_ltn_g_lpi.o module_mp_gsfgece.o module_mp_morr_two_moment.o module_mp_p3.o module_mp_morr_two_moment_aero.o
module_mp_milbrandt2mom.o module_mp_nssl_2mom.o module_mp_wdm5.o module_mp_wdm6.o module_mp_cammgmp_driver.o module_ra_sw.o module_ra_ciWRF_support.o module_ra_gsfcs.w.o
module_ra_goddard.o module_ra_effective_radius.o module_ra_rtm.o module_ra_rtmg_lw.o module_ra_rtmg_sw.o module_ra_rtmg_lwf.o module_ra_rtmg_swf.o module_ra_rtmg_lwk.o
module_ra_rtmg_swk.o module_ra_cam_support.o module_ra_cam.o module_ra_gfdleta.o module_ra_flg.o module_ra_HWRF.o module_ra_hs.o module_ra_aerosol.o module_sf_sfcday.o
module_sf_sfcdayrev.o module_sf_gfs.o module_sf_exchcoef.o module_sf_gfdl.o module_sf_slab.o module_sf_noahdrv.o module_sf_noahslm.o module_sf_clm.o module_sf_ssib.o
module_sf_noah_seaice.o module_sf_noah_seaice_drv.o module_sf_noahslm_glacial_only.o module_sf_noahmp_groundwater.o module_sf_gecos.o module_sf_noahmpdrv.o module_sf_noahmplsm.o
module_sf_noahmp_glacier.o module_sf_urban.o module_sf_bep.o module_sf_bep_bem.o module_sf_bem.o module_sf_pxslm.o module_sf_pxslm_data.o module_sf_ruclsm.o module_sf_sfcdiags.o
module_sf_sfcdiags_ruclsm.o module_sf_sstskin.o module_sf_tmmupdate.o module_sf_ocean_driver.o module_sf_oml.o module_sf_3dpwp.o module_sf_myjsfc.o module_sf_qnsefc.o module_sf_mynn.o
module_sf_fogdes.o module_sf_pxsfclay.o module_sf_temfscfclay.o module_sf_idealscmfclay.o module_sf_scmflux.o module_sf_scmkintemp.o module_physics_addtendc.o module_physics_init.o
module_gfs_machine.o module_gfs_funcphys.o module_gfs_physcons.o module_progtm.o module_pbl_driver.o module_data_gocart_dust.o module_dust_emis.o module_cumulus_driver.o
module_shallowcu_driver.o module_microphysics_driver.o module_microphysics_zero_out.o module_mixactivate.o module_radiation_driver.o module_surface_driver.o module_lightning_driver.o
module_ltn_cpmp92z.o module_ltn_crmp92.o module_ltn_iccg.o module_fdda_psfddagd.o module_fdda_spnudging.o module_fddagd_driver.o module_fddaobs_rtfdda.o module_fddaobs_driver.o
module_wind_fit.o module_sf_lake.o module_diagnostics_driver.o \
    module_diag_refl.o ; \
else
    make -i -r -j 2 non_nmm ; \
    ar ru ./main/libwrfrib.a module_cam_shr_kind_mod.o module_cam_support.o module_cam_shr_const_mod.o module_cam_physconst.o module_cam_cldwat.o module_cam_wv_saturation.o
module_cam_esinti.o module_cam_gffgch.o module_cam_error_function.o module_cam_constituents.o module_cam_trb_mtn_stress.o module_cam_molec_diff.o module_cam_upper_bc.o
module_cam_bl_diffusion_solver.o module_cam_bl_eddy_diff.o module_cam_mp_microc_aero.o module_cam_mp_cldwat2m_micro.o module_cam_mp_ndrop.o
module_cam_mp_modal_aero_initialize_data_phys.o module_cam_mp_radconstants.o module_cam_mp_conv_water.o module_cam_mp_qneg3.o module_data_cam_mam_aero.o
module_data_cam_mam_asect.o module_cam_infnan.o module_bl_ysu.o module_bl_shinhong.o module_bl_mrf.o module_bl_gfs.o module_bl_gfsedmf.o module_bl_myjpb.o module_bl_qnsepb.o
module_bl_acm.o module_bl_mynn.o module_bl_fogdes.o module_bl_gwdo.o module_bl_myjurb.o module_bl_boulac.o module_bl_camuwpl_driver.o module_bl_mfshconvpbl.o
module_shcu_camuwshcu_driver.o module_shcu_camuwshcu.o module_shcu_grims.o module_shcu_nsev.o module_camzm_driver.o module_cu_camzm.o module_bl_temf.o module_bl_gbmbpl.o
module_cu_g3.o module_cu_kf.o module_cu_bmj.o module_cu_kfeta.o module_cu_mskf.o module_cu_tiedtke.o module_cu_tiedtke.o module_cu_gd.o module_cu_gf_wrfdrv.o module_cu_gf_deep.o
module_cu_gf_sh.o module_cu_ksas.o module_cu_nsas.o module_cu_sas.o module_cu_scalesas.o module_cu_osas.o module_cu_kfcup.o module_mp_radar.o module_mp_kessler.o module_mp_lin.o
module_mp_sbu_ylin.o module_mp_wsm3.o module_mp_wsm5.o module_mp_wsm6.o module_mp_etanew.o module_mp_fer_hires.o module_mp_HWRF.o module_mp_thompson.o
module_mp_full_sbm.o module_mp_fast_sbm.o module_ltn_g_lpi.o module_mp_gsfgece.o module_mp_morr_two_moment.o module_mp_p3.o module_mp_morr_two_moment_aero.o
module_mp_milbrandt2mom.o module_mp_nssl_2mom.o module_mp_wdm5.o module_mp_wdm6.o module_mp_cammgmp_driver.o module_ra_sw.o module_ra_ciWRF_support.o module_ra_gsfcs.w.o
module_ra_goddard.o module_ra_effective_radius.o module_ra_rtm.o module_ra_rtmg_lw.o module_ra_rtmg_sw.o module_ra_rtmg_lwf.o module_ra_rtmg_swf.o module_ra_rtmg_lwk.o
module_ra_rtmg_swk.o module_ra_cam_support.o module_ra_cam.o module_ra_gfdleta.o module_ra_flg.o module_ra_HWRF.o module_ra_hs.o module_ra_aerosol.o module_sf_sfcday.o
module_sf_sfcdayrev.o module_sf_gfs.o module_sf_exchcoef.o module_sf_gfdl.o module_sf_slab.o module_sf_noahdrv.o module_sf_noahslm.o module_sf_clm.o module_sf_ssib.o
module_sf_noah_seaice.o module_sf_noah_seaice_drv.o module_sf_noahslm_glacial_only.o module_sf_noahmp_groundwater.o module_sf_gecos.o module_sf_noahmpdrv.o module_sf_noahmplsm.o
module_sf_noahmp_glacier.o module_sf_urban.o module_sf_bep.o module_sf_bep_bem.o module_sf_bem.o module_sf_pxslm.o module_sf_pxslm_data.o module_sf_ruclsm.o module_sf_sfcdiags.o
module_sf_sfcdiags_ruclsm.o module_sf_sstskin.o module_sf_tmmupdate.o module_sf_ocean_driver.o module_sf_oml.o module_sf_3dpwp.o module_sf_myjsfc.o module_sf_qnsefc.o module_sf_mynn.o
module_sf_fogdes.o module_sf_pxsfclay.o module_sf_temfscfclay.o module_sf_idealscmfclay.o module_sf_scmflux.o module_sf_scmkintemp.o module_physics_addtendc.o module_physics_init.o
module_gfs_machine.o module_gfs_funcphys.o module_gfs_physcons.o module_progtm.o module_pbl_driver.o module_data_gocart_dust.o module_dust_emis.o module_cumulus_driver.o
module_shallowcu_driver.o module_microphysics_driver.o module_microphysics_zero_out.o module_mixactivate.o module_radiation_driver.o module_surface_driver.o module_lightning_driver.o
module_ltn_cpmp92z.o module_ltn_crmp92.o module_ltn_iccg.o module_fdda_psfddagd.o module_fdda_spnudging.o module_fddagd_driver.o module_fddaobs_rtfdda.o module_fddaobs_driver.o
module_wind_fit.o module_sf_lake.o module_diagnostics_driver.o \
    module_fr_fire_driver.o module_fr_fire_atm.o module_fr_fire_model.o module_fr_fire_core.o module_fr_fire_phys.o module_fr_fire_util.o \
    module_diag_fwfa.o module_diag_cl.o module_diag_functions.o module_diag_hailcast.o module_diag_misc.o module_diag_rasm.o module_diag_pld.o module_diag_zld.o
module_diag_trad_fields.o ; \
fi
make[3]: se ingresa al directorio '/U01/Build_WRF/WRF/phys'
rm -f module_cam_shr_kind_mod.o
rm -f module_cam_error_function.o
sed -e 's/^\s*.*//'-e 's/^\s*.*//'" module_cam_shr_kind_mod.F > module_cam_shr_kind_mod.G
sed -e 's/^\s*.*//'-e 's/^\s*.*//'" module_cam_error_function.F > module_cam_error_function.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
-traditional-cpp module_cam_shr_kind_mod.G > module_cam_shr_kind_mod.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
-traditional-cpp module_cam_error_function.G > module_cam_error_function.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_shr_kind_mod.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_shr_kind_mod.f90
/U01/Build_WRF/WRF/tools/standard.exe module_cam_error_function.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_error_function.f90
rm -f module_cam_shr_kind_mod.G module_cam_shr_kind_mod.bb
rm -f module_cam_error_function.G module_cam_error_function.bb
time mpiF90 -f90=gfortran -o module_cam_shr_kind_mod.o -c -O2 -fsee-vectorize -funroll-loops -w -fsee-form -fsee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_shr_kind_mod.f90
time mpiF90 -f90=gfortran -o module_cam_error_function.o -c -O2 -fsee-vectorize -funroll-loops -w -fsee-form -fsee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_error_function.f90
0.02user 0.02system 0:00.04elapsed 102%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+24outputs (0major+15615minor)pagefaults 0swaps
rm -f module_bl_ysu.o
sed -e 's/^\s*.*//'-e 's/^\s*.*//'" module_bl_ysu.F > module_bl_ysu.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNCTCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -I.
-traditional-cpp module_bl_ysu.G > module_bl_ysu.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bl_ysu.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bl_ysu.f90
rm -f module_bl_ysu.G module_bl_ysu.bb
time mpiF90 -f90=gfortran -o module_bl_ysu.o -c -O2 -fsee-vectorize -funroll-loops -w -fsee-form -fsee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_bl_ysu.f90
0.08user 0.03system 0:00.11elapsed 100%CPU (0avgtext+0avgdata 14080maxresident)k
0inputs+88outputs (0major+17585minor)pagefaults 0swaps
rm -f module_bl_shinhong.o

```

```
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_shinhong.F > module bl_shinhong.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_shinhong.G > module bl_shinhong.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_shinhong.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_shinhong.f90
rm -f module bl_shinhong.G module bl_shinhong.bb
time mpiF90 -f90=gfortran -o module bl_shinhong.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_shinhong.f90
4.33user 0.13system 0:04.46elapsed 100%CPU (0avgtext+0avgdata 173380maxresident)k
0inputs+1592outputs (0major+65751minor)pagefaults 0swaps
rm -f module bl_mrf.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_mrf.F > module bl_mrf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_mrf.G > module bl_mrf.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_mrf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_mrf.f90
rm -f module bl_mrf.F module bl_mrf.bb
time mpiF90 -f90=gfortran -o module bl_mrf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_mrf.f90
5.55user 0.16system 0:05.72elapsed 99%CPU (0avgtext+0avgdata 222684maxresident)k
0inputs+1984outputs (0major+80269minor)pagefaults 0swaps
rm -f module gfs_machine.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module gfs_machine.F > module gfs_machine.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module gfs_machine.G > module gfs_machine.bb
/U01/Build_WRF/WRF/tools/standard.exe module gfs_machine.bb | /lib/cpp -P -nostdinc -traditional-cpp > module gfs_machine.f90
rm -f module gfs_machine.G module gfs_machine.bb
time mpiF90 -f90=gfortran -o module gfs_machine.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module gfs_machine.f90
0.01user 0.03system 0:00.04elapsed 104%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+24outputs (0major+15678minor)pagefaults 0swaps
rm -f module bl_myjpblo.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_myjpblo.F > module bl_myjpblo.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_myjpblo.G > module bl_myjpblo.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_myjpblo.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_myjpblo.f90
rm -f module bl_myjpblo.F module bl_myjpblo.bb
time mpiF90 -f90=gfortran -o module bl_myjpblo.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_myjpblo.f90
2.48user 0.09system 0:02.57elapsed 100%CPU (0avgtext+0avgdata 104248maxresident)k
0inputs+1072outputs (0major+45715minor)pagefaults 0swaps
rm -f module bl_qnsepblo.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_qnsepblo.F > module bl_qnsepblo.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_qnsepblo.G > module bl_qnsepblo.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_qnsepblo.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_qnsepblo.f90
rm -f module bl_qnsepblo.F module bl_qnsepblo.bb
time mpiF90 -f90=gfortran -o module bl_qnsepblo.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_qnsepblo.f90
1.36user 0.07system 0:01.44elapsed 100%CPU (0avgtext+0avgdata 55664maxresident)k
0inputs+936outputs (0major+29673minor)pagefaults 0swaps
rm -f module bl_acmo.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_acmo.F > module bl_acmo.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_acmo.G > module bl_acmo.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_acmo.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_acmo.f90
rm -f module bl_acmo.F module bl_acmo.bb
time mpiF90 -f90=gfortran -o module bl_acmo.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_acmo.f90
1.13user 0.05system 0:01.18elapsed 100%CPU (0avgtext+0avgdata 50596maxresident)k
0inputs+824outputs (0major+28073minor)pagefaults 0swaps
rm -f module bl_mynn.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module bl_mynn.F > module bl_mynn.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_mynn.G > module bl_mynn.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_mynn.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_mynn.f90
rm -f module bl_mynn.F module bl_mynn.bb
time mpiF90 -f90=gfortran -o module bl_mynn.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_mynn.f90
2.26user 0.06system 0:02.33elapsed 100%CPU (0avgtext+0avgdata 77084maxresident)k
0inputs+1160outputs (0major+34531minor)pagefaults 0swaps
rm -f module bl_gwdo.o
```

```
sed -e "s/^\s*/" -e "s/^\s*/" module bl_gwdo.F > module bl_gwdo.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_gwdo.G > module bl_gwdo.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_gwdo.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_gwdo.f90
rm -f module bl_gwdo.G module bl_gwdo.bb
time mpi90 -f90=gfortran -o module bl_gwdo.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_gwdo.f90
2.26user 0.10system 0:02.36elapsed 100%CPU (0avgtext+0avgdata 91028maxresident)k
0inputs+8720outputs (0major+42705minor)pagefaults 0swaps
rm -f module bl_myjurb.o
sed -e "s/^\s*/" -e "s/^\s*/" module bl_myjurb.F > module bl_myjurb.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_myjurb.G > module bl_myjurb.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_myjurb.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_myjurb.f90
rm -f module bl_myjurb.G module bl_myjurb.bb
time mpi90 -f90=gfortran -o module bl_myjurb.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_myjurb.f90
1.45user 0.06system 0:01.51elapsed 100%CPU (0avgtext+0avgdata 63596maxresident)k
0inputs+1000outputs (0major+31821minor)pagefaults 0swaps
rm -f module bl_boulac.o
sed -e "s/^\s*/" -e "s/^\s*/" module bl_boulac.F > module bl_boulac.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_boulac.G > module bl_boulac.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_boulac.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_boulac.f90
rm -f module bl_boulac.G module bl_boulac.bb
time mpi90 -f90=gfortran -o module bl_boulac.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_boulac.f90
6.31user 0.14system 0:06.46elapsed 100%CPU (0avgtext+0avgdata 203712maxresident)k
0inputs+29120outputs (0major+69768minor)pagefaults 0swaps
rm -f module bl_mfshconvpl.o
sed -e "s/^\s*/" -e "s/^\s*/" module bl_mfshconvpl.F > module bl_mfshconvpl.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_mfshconvpl.G > module bl_mfshconvpl.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_mfshconvpl.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_mfshconvpl.f90
rm -f module bl_mfshconvpl.G module bl_mfshconvpl.bb
time mpi90 -f90=gfortran -o module bl_mfshconvpl.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_mfshconvpl.f90
1.78user 0.08system 0:01.86elapsed 100%CPU (0avgtext+0avgdata 73844maxresident)k
0inputs+92800outputs (0major+35072minor)pagefaults 0swaps
rm -f module shcu_grims.o
sed -e "s/^\s*/" -e "s/^\s*/" module shcu_grims.F > module shcu_grims.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module shcu_grims.G > module shcu_grims.bb
/U01/Build_WRF/WRF/tools/standard.exe module shcu_grims.bb | /lib/cpp -P -nostdinc -traditional-cpp > module shcu_grims.f90
rm -f module shcu_grims.G module shcu_grims.bb
time mpi90 -f90=gfortran -o module shcu_grims.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module shcu_grims.f90
1.16user 0.06system 0:01.22elapsed 100%CPU (0avgtext+0avgdata 48136maxresident)k
0inputs+78400outputs (0major+27801minor)pagefaults 0swaps
rm -f module shcu_nscv.o
sed -e "s/^\s*/" -e "s/^\s*/" module shcu_nscv.F > module shcu_nscv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module shcu_nscv.G > module shcu_nscv.bb
/U01/Build_WRF/WRF/tools/standard.exe module shcu_nscv.bb | /lib/cpp -P -nostdinc -traditional-cpp > module shcu_nscv.f90
rm -f module shcu_nscv.G module shcu_nscv.bb
time mpi90 -f90=gfortran -o module shcu_nscv.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module shcu_nscv.f90
3.27user 0.09system 0:03.37elapsed 100%CPU (0avgtext+0avgdata 120312maxresident)k
0inputs+136000outputs (0major+50034minor)pagefaults 0swaps
rm -f module bl_temf.o
sed -e "s/^\s*/" -e "s/^\s*/" module bl_temf.F > module bl_temf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_temf.G > module bl_temf.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_temf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_temf.f90
rm -f module bl_temf.G module bl_temf.bb
time mpi90 -f90=gfortran -o module bl_temf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_temf.f90
2.00user 0.09system 0:02.09elapsed 100%CPU (0avgtext+0avgdata 87072maxresident)k
0inputs+85600outputs (0major+39874minor)pagefaults 0swaps
rm -f module bl_gbmbp.o
```

```
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module bl_gbmbpl.F > module bl_gbmbpl.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_gbmbpl.G > module bl_gbmbpl.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_gbmbpl.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_gbmbpl.f90
rm -f module bl_gbmbpl.G module bl_gbmbpl.bb
time mpi90 -f90=gfortran -o module bl_gbmbpl.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module bl_gbmbpl.f90
2.30user 0.08system 0:02.39elapsed 100%CPU (0avgtext+0avgdata 108604maxresident)k
0inputs+648outputs (0major+43897minor)pagefaults 0swaps
rm -f module cu_g3.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_g3.F > module cu_g3.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_g3.G > module cu_g3.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_g3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_g3.f90
rm -f module cu_g3.G module cu_g3.bb
time mpi90 -f90=gfortran -o module cu_g3.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_g3.f90
15.78user 0.31system 0:16.10elapsed 99%CPU (0avgtext+0avgdata 372196maxresident)k
0inputs+5344outputs (0major+131449minor)pagefaults 0swaps
rm -f module cu_kf.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_kf.F > module cu_kf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_kf.G > module cu_kf.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_kf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_kf.f90
rm -f module cu_kf.G module cu_kf.bb
time mpi90 -f90=gfortran -o module cu_kf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_kf.f90
6.81user 0.15system 0:06.96elapsed 100%CPU (0avgtext+0avgdata 196504maxresident)k
0inputs+3104outputs (0major+72562minor)pagefaults 0swaps
rm -f module cu_bmj.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_bmj.F > module cu_bmj.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_bmj.G > module cu_bmj.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_bmj.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_bmj.f90
rm -f module cu_bmj.G module cu_bmj.bb
time mpi90 -f90=gfortran -o module cu_bmj.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_bmj.f90
1.22user 0.05system 0:01.28elapsed 100%CPU (0avgtext+0avgdata 50008maxresident)k
0inputs+776outputs (0major+28016minor)pagefaults 0swaps
rm -f module cu_kfeta.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_kfeta.F > module cu_kfeta.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_kfeta.G > module cu_kfeta.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_kfeta.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_kfeta.f90
rm -f module cu_kfeta.G module cu_kfeta.bb
time mpi90 -f90=gfortran -o module cu_kfeta.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_kfeta.f90
2.75user 0.08system 0:02.83elapsed 99%CPU (0avgtext+0avgdata 97000maxresident)k
0inputs+1248outputs (0major+43185minor)pagefaults 0swaps
rm -f module cu_mskf.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_mskf.F > module cu_mskf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_mskf.G > module cu_mskf.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_mskf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_mskf.f90
rm -f module cu_mskf.G module cu_mskf.bb
time mpi90 -f90=gfortran -o module cu_mskf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_mskf.f90
4.01user 0.09system 0:04.10elapsed 100%CPU (0avgtext+0avgdata 130040maxresident)k
0inputs+1552outputs (0major+52663minor)pagefaults 0swaps
rm -f module cu_ntiedtke.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module cu_ntiedtke.F > module cu_ntiedtke.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO_IEEE MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_ntiedtke.G > module cu_ntiedtke.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_ntiedtke.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_ntiedtke.f90
rm -f module cu_ntiedtke.G module cu_ntiedtke.bb
time mpi90 -f90=gfortran -o module cu_ntiedtke.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_ntiedtke.f90
7.02user 0.17system 0:07.19elapsed 99%CPU (0avgtext+0avgdata 192208maxresident)k
0inputs+2536outputs (0major+72691minor)pagefaults 0swaps
rm -f module cu_gd.o
```

```
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module cu_gd.F > module cu_gd.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_gd.G > module cu_gd.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_gd.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_gd.f90
rm -f module cu_gd.G module cu_gd.bb
time mpiF90 -f90=gfortran -o module cu_gd.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_gd.f90
4.54user 0.10system 0:04.65elapsed 99%CPU (0avgtext+0avgdata 127792maxresident)k
0inputs+2512outputs (0major+49959minor)pagefaults 0swaps
rm -f module cu_gf_deep.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module cu_gf_deep.F > module cu_gf_deep.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_gf_deep.G > module cu_gf_deep.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_gf_deep.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_gf_deep.f90
rm -f module cu_gf_deep.G module cu_gf_deep.bb
time mpiF90 -f90=gfortran -o module cu_gf_deep.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_gf_deep.f90
4.37user 0.11system 0:04.49elapsed 99%CPU (0avgtext+0avgdata 136492maxresident)k
0inputs+2472outputs (0major+53492minor)pagefaults 0swaps
rm -f module cu_ksas.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module cu_ksas.F > module cu_ksas.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_ksas.G > module cu_ksas.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_ksas.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_ksas.f90
rm -f module cu_ksas.G module cu_ksas.bb
time mpiF90 -f90=gfortran -o module cu_ksas.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_ksas.f90
6.28user 0.19system 0:06.48elapsed 100%CPU (0avgtext+0avgdata 257852maxresident)k
0inputs+2656outputs (0major+86695minor)pagefaults 0swaps
rm -f module cu_nsas.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module cu_nsas.F > module cu_nsas.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_nsas.G > module cu_nsas.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_nsas.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_nsas.f90
rm -f module cu_nsas.G module cu_nsas.bb
time mpiF90 -f90=gfortran -o module cu_nsas.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu_nsas.f90
5.45user 0.14system 0:05.59elapsed 100%CPU (0avgtext+0avgdata 140104maxresident)k
0inputs+2152outputs (0major+63744minor)pagefaults 0swaps
rm -f module ra_sw.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module ra_sw.F > module ra_sw.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_sw.G > module ra_sw.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_sw.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_sw.f90
rm -f module ra_sw.G module ra_sw.bb
time mpiF90 -f90=gfortran -o module ra_sw.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_sw.f90
0.58user 0.05system 0:00.63elapsed 100%CPU (0avgtext+0avgdata 33616maxresident)k
0inputs+352outputs (0major+22930minor)pagefaults 0swaps
rm -f module ra_gsfcsw.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module ra_gsfcsw.F > module ra_gsfcsw.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_gsfcsw.G > module ra_gsfcsw.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_gsfcsw.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_gsfcsw.f90
rm -f module ra_gsfcsw.G module ra_gsfcsw.bb
time mpiF90 -f90=gfortran -o module ra_gsfcsw.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_gsfcsw.f90
7.05user 0.14system 0:07.20elapsed 99%CPU (0avgtext+0avgdata 171900maxresident)k
0inputs+2976outputs (0major+63509minor)pagefaults 0swaps
rm -f module ra_cIWRF_support.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module ra_cIWRF_support.F > module ra_cIWRF_support.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCLM_CONFIG_BUF_LEN=65536 -DMMAX_DOMAINS_F=21 -DMMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_cIWRF_support.G > module ra_cIWRF_support.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_cIWRF_support.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_cIWRF_support.f90
rm -f module ra_cIWRF_support.G module ra_cIWRF_support.bb
time mpiF90 -f90=gfortran -o module ra_cIWRF_support.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_cIWRF_support.f90
0.25user 0.04system 0:00.29elapsed 100%CPU (0avgtext+0avgdata 21712maxresident)k
0inputs+224outputs (0major+19886minor)pagefaults 0swaps
rm -f module ra_effective_radius.o
```

```
sed -e "s/^\s*/" -e "s/^\s*/" module_ra_effective_radius.F > module_ra_effective_radius.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_effective_radius.G > module_ra_effective_radius.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_effective_radius.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_effective_radius.f90
rm -f module_ra_effective_radius.G module_ra_effective_radius.bb
time mpi90 -f90=gfortran -o module_ra_effective_radius.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_effective_radius.f90
4.18user 0.13system 0:04.31elapsed 100%CPU (0avgtext+0avgdata 120112maxresident)k
0inputs+1888outputs (0major+48964minor)pagefaults 0swaps
rm -f module_mp_etanew.o
sed -e "s/^\s*/" -e "s/^\s*/" module_mp_etanew.F > module_mp_etanew.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_mp_etanew.G > module_mp_etanew.bb
/U01/Build_WRF/WRF/tools/standard.exe module_mp_etanew.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_mp_etanew.f90
rm -f module_mp_etanew.G module_mp_etanew.bb
time mpi90 -f90=gfortran -o module_mp_etanew.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_mp_etanew.f90
0.32user 0.04system 0:00.36elapsed 100%CPU (0avgtext+0avgdata 27092maxresident)k
0inputs+2240outputs (0major+21742minor)pagefaults 0swaps
rm -f module_mp_HWRF.o
sed -e "s/^\s*/" -e "s/^\s*/" module_mp_HWRF.F > module_mp_HWRF.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_mp_HWRF.G > module_mp_HWRF.bb
/U01/Build_WRF/WRF/tools/standard.exe module_mp_HWRF.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_mp_HWRF.f90
rm -f module_mp_HWRF.G module_mp_HWRF.bb
time mpi90 -f90=gfortran -o module_mp_HWRF.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_mp_HWRF.f90
0.94user 0.04system 0:00.99elapsed 100%CPU (0avgtext+0avgdata 41660maxresident)k
0inputs+648outputs (0major+25050minor)pagefaults 0swaps
rm -f module_ra_hs.o
sed -e "s/^\s*/" -e "s/^\s*/" module_ra_hs.F > module_ra_hs.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_hs.G > module_ra_hs.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_hs.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_hs.f90
rm -f module_ra_hs.G module_ra_hs.bb
time mpi90 -f90=gfortran -o module_ra_hs.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_hs.f90
0.07user 0.03system 0:00.10elapsed 101%CPU (0avgtext+0avgdata 14332maxresident)k
0inputs+640outputs (0major+17671minor)pagefaults 0swaps
rm -f module_ra_goddard.o
sed -e "s/^\s*/" -e "s/^\s*/" module_ra_goddard.F > module_ra_goddard.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_goddard.G > module_ra_goddard.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_goddard.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_goddard.f90
rm -f module_ra_goddard.G module_ra_goddard.bb
time mpi90 -f90=gfortran -o module_ra_goddard.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_goddard.f90
1.03user 0.05system 0:01.08elapsed 100%CPU (0avgtext+0avgdata 43484maxresident)k
0inputs+7280outputs (0major+25829minor)pagefaults 0swaps
rm -f module_ra_flg.o
sed -e "s/^\s*/" -e "s/^\s*/" module_ra_flg.F > module_ra_flg.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_flg.G > module_ra_flg.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_flg.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_flg.f90
rm -f module_ra_flg.G module_ra_flg.bb
time mpi90 -f90=gfortran -o module_ra_flg.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_flg.f90
6.63user 0.19system 0:06.82elapsed 100%CPU (0avgtext+0avgdata 238916maxresident)k
0inputs+28640outputs (0major+82697minor)pagefaults 0swaps
rm -f module_ra_aerosol.o
sed -e "s/^\s*/" -e "s/^\s*/" module_ra_aerosol.F > module_ra_aerosol.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_aerosol.G > module_ra_aerosol.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_aerosol.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_aerosol.f90
rm -f module_ra_aerosol.G module_ra_aerosol.bb
time mpi90 -f90=gfortran -o module_ra_aerosol.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_aerosol.f90
7.29user 0.18system 0:07.47elapsed 100%CPU (0avgtext+0avgdata 193148maxresident)k
0inputs+58400outputs (0major+65546minor)pagefaults 0swaps
rm -f module_mp_radar.o
```

```
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_radar.F > module mp_radar.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_radar.G > module mp_radar.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_radar.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_radar.f90
rm -f module mp_radar.G module mp_radar.bb
time mpi90 -f90=gfortran -o module mp_radar.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_radar.f90
0.21user 0.03system 0:00.25elapsed 100%CPU (0avgtext+0avgdata 19132maxresident)k
0inputs+248outputs (0major+19143minor)pagefaults 0swaps
rm -f module mp_kessler.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_kessler.F > module mp_kessler.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_kessler.G > module mp_kessler.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_kessler.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_kessler.f90
rm -f module mp_kessler.G module mp_kessler.bb
time mpi90 -f90=gfortran -o module mp_kessler.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_kessler.f90
0.25user 0.03system 0:00.29elapsed 100%CPU (0avgtext+0avgdata 23084maxresident)k
0inputs+160outputs (0major+20206minor)pagefaults 0swaps
rm -f module mp_lin.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_lin.F > module mp_lin.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_lin.G > module mp_lin.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_lin.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_lin.f90
rm -f module mp_lin.G module mp_lin.bb
time mpi90 -f90=gfortran -o module mp_lin.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_lin.f90
2.16user 0.07system 0:02.24elapsed 100%CPU (0avgtext+0avgdata 73576maxresident)k
0inputs+1216outputs (0major+36516minor)pagefaults 0swaps
rm -f module mp_sbu_ylin.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_sbu_ylin.F > module mp_sbu_ylin.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_sbu_ylin.G > module mp_sbu_ylin.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_sbu_ylin.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_sbu_ylin.f90
rm -f module mp_sbu_ylin.G module mp_sbu_ylin.bb
time mpi90 -f90=gfortran -o module mp_sbu_ylin.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_sbu_ylin.f90
0.97user 0.05system 0:01.02elapsed 100%CPU (0avgtext+0avgdata 43292maxresident)k
0inputs+576outputs (0major+26847minor)pagefaults 0swaps
rm -f module mp_wsm3.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_wsm3.F > module mp_wsm3.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_wsm3.G > module mp_wsm3.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_wsm3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_wsm3.f90
rm -f module mp_wsm3.G module mp_wsm3.bb
time mpi90 -f90=gfortran -o module mp_wsm3.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_wsm3.f90
1.94user 0.08system 0:02.02elapsed 100%CPU (0avgtext+0avgdata 61628maxresident)k
0inputs+1008outputs (0major+32812minor)pagefaults 0swaps
rm -f module mp_wsm5.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_wsm5.F > module mp_wsm5.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_wsm5.G > module mp_wsm5.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_wsm5.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_wsm5.f90
rm -f module mp_wsm5.G module mp_wsm5.bb
time mpi90 -f90=gfortran -o module mp_wsm5.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_wsm5.f90
2.65user 0.08system 0:02.73elapsed 100%CPU (0avgtext+0avgdata 79984maxresident)k
0inputs+1224outputs (0major+37627minor)pagefaults 0swaps
rm -f module mp_wsm6.o
sed -e "s/^\!.*/" -e "s/^\!.*/" module mp_wsm6.F > module mp_wsm6.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_wsm6.G > module mp_wsm6.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_wsm6.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_wsm6.f90
rm -f module mp_wsm6.G module mp_wsm6.bb
time mpi90 -f90=gfortran -o module mp_wsm6.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfltdj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_wsm6.f90
2.93user 0.09system 0:03.02elapsed 99%CPU (0avgtext+0avgdata 99868maxresident)k
0inputs+1400outputs (0major+43543minor)pagefaults 0swaps
rm -f module mp_fer_hires.o
```



```
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_fer_hires.F > module mp_fer_hires.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_fer_hires.G > module mp_fer_hires.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_fer_hires.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_fer_hires.f90
rm -f module mp_fer_hires.G module mp_fer_hires.bb
time mpiF90 -f90=gfortran -o module mp_fer_hires.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_fer_hires.f90
1.52user 0.06system 0:01.60elapsed 99%CPU (0avgtext+0avgdata 54728maxresident)k
0inputs+976outputs (0major+28769minor)pagefaults 0swaps
rm -f module mp_full_sbm.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_full_sbm.F > module mp_full_sbm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_full_sbm.G > module mp_full_sbm.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_full_sbm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_full_sbm.f90
rm -f module mp_full_sbm.G module mp_full_sbm.bb
time mpiF90 -f90=gfortran -o module mp_full_sbm.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_full_sbm.f90
4.51user 0.11system 0:04.64elapsed 99%CPU (0avgtext+0avgdata 141708maxresident)k
0inputs+1944outputs (0major+55966minor)pagefaults 0swaps
rm -f module mp_fast_sbm.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_fast_sbm.F > module mp_fast_sbm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_fast_sbm.G > module mp_fast_sbm.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_fast_sbm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_fast_sbm.f90
rm -f module mp_fast_sbm.G module mp_fast_sbm.bb
time mpiF90 -f90=gfortran -o module mp_fast_sbm.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_fast_sbm.f90
5.21user 0.16system 0:05.37elapsed 99%CPU (0avgtext+0avgdata 180484maxresident)k
0inputs+3296outputs (0major+61808minor)pagefaults 0swaps
rm -f module ltng_lpi.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module ltng_lpi.F > module ltng_lpi.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ltng_lpi.G > module ltng_lpi.bb
/U01/Build_WRF/WRF/tools/standard.exe module ltng_lpi.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ltng_lpi.f90
rm -f module ltng_lpi.G module ltng_lpi.bb
time mpiF90 -f90=gfortran -o module ltng_lpi.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ltng_lpi.f90
0.17user 0.04system 0:00.21elapsed 100%CPU (0avgtext+0avgdata 17940maxresident)k
0inputs+144outputs (0major+19077minor)pagefaults 0swaps
rm -f module mp_gsfcgce.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_gsfcgce.F > module mp_gsfcgce.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_gsfcgce.G > module mp_gsfcgce.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_gsfcgce.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_gsfcgce.f90
rm -f module mp_gsfcgce.G module mp_gsfcgce.bb
time mpiF90 -f90=gfortran -o module mp_gsfcgce.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_gsfcgce.f90
8.19user 0.18system 0:08.38elapsed 99%CPU (0avgtext+0avgdata 266744maxresident)k
0inputs+4576outputs (0major+85677minor)pagefaults 0swaps
rm -f module mp_morr_two_moment.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_morr_two_moment.F > module mp_morr_two_moment.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_morr_two_moment.G > module mp_morr_two_moment.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_morr_two_moment.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_morr_two_moment.f90
rm -f module mp_morr_two_moment.G module mp_morr_two_moment.bb
time mpiF90 -f90=gfortran -o module mp_morr_two_moment.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_morr_two_moment.f90
2.78user 0.08system 0:02.87elapsed 100%CPU (0avgtext+0avgdata 79692maxresident)k
0inputs+1144outputs (0major+40295minor)pagefaults 0swaps
rm -f module mp_p3.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module mp_p3.F > module mp_p3.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_p3.G > module mp_p3.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_p3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_p3.f90
rm -f module mp_p3.G module mp_p3.bb
time mpiF90 -f90=gfortran -o module mp_p3.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_p3.f90
3.14user 0.09system 0:03.24elapsed 100%CPU (0avgtext+0avgdata 92056maxresident)k
0inputs+1080outputs (0major+45701minor)pagefaults 0swaps
rm -f module mp_morr_two_moment_aero.o
```

```
sed -e "s/^\s*/" -e "s/^\s*/" module mp_morr_two_moment_aero.F > module mp_morr_two_moment_aero.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_morr_two_moment_aero.G > module mp_morr_two_moment_aero.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_morr_two_moment_aero.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_morr_two_moment_aero.f90
rm -f module mp_morr_two_moment_aero.G module mp_morr_two_moment_aero.bb
time mpi90 -f90=gfortran -o module mp_morr_two_moment_aero.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_morr_two_moment_aero.f90
7.20user 0.20system 0:07.41elapsed 99%CPU (0avgtext+0avgdata 246732maxresident)k
0inputs+1912outputs (0major+92492minor)pagefaults 0swaps
rm -f module mp_milbrandt2mom.o
sed -e "s/^\s*/" -e "s/^\s*/" module mp_milbrandt2mom.F > module mp_milbrandt2mom.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_milbrandt2mom.G > module mp_milbrandt2mom.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_milbrandt2mom.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_milbrandt2mom.f90
rm -f module mp_milbrandt2mom.G module mp_milbrandt2mom.bb
time mpi90 -f90=gfortran -o module mp_milbrandt2mom.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_milbrandt2mom.f90
11.29user 0.18system 0:11.48elapsed 99%CPU (0avgtext+0avgdata 223044maxresident)k
0inputs+3184outputs (0major+80921minor)pagefaults 0swaps
rm -f module mp_nssl_2mom.o
sed -e "s/^\s*/" -e "s/^\s*/" module mp_nssl_2mom.F > module mp_nssl_2mom.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_nssl_2mom.G > module mp_nssl_2mom.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_nssl_2mom.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_nssl_2mom.f90
rm -f module mp_nssl_2mom.G module mp_nssl_2mom.bb
time mpi90 -f90=gfortran -o module mp_nssl_2mom.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_nssl_2mom.f90
5.84user 0.19system 0:06.04elapsed 100%CPU (0avgtext+0avgdata 217576maxresident)k
0inputs+1824outputs (0major+85317minor)pagefaults 0swaps
rm -f module mp_wdm5.o
sed -e "s/^\s*/" -e "s/^\s*/" module mp_wdm5.F > module mp_wdm5.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_wdm5.G > module mp_wdm5.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_wdm5.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_wdm5.f90
rm -f module mp_wdm5.G module mp_wdm5.bb
time mpi90 -f90=gfortran -o module mp_wdm5.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_wdm5.f90
4.30user 0.14system 0:04.45elapsed 99%CPU (0avgtext+0avgdata 156176maxresident)k
0inputs+1704outputs (0major+60371minor)pagefaults 0swaps
rm -f module mp_wdm6.o
sed -e "s/^\s*/" -e "s/^\s*/" module mp_wdm6.F > module mp_wdm6.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_wdm6.G > module mp_wdm6.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_wdm6.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_wdm6.f90
rm -f module mp_wdm6.G module mp_wdm6.bb
time mpi90 -f90=gfortran -o module mp_wdm6.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module mp_wdm6.f90
7.32user 0.18system 0:07.51elapsed 99%CPU (0avgtext+0avgdata 247776maxresident)k
0inputs+2320outputs (0major+87169minor)pagefaults 0swaps
rm -f module sf_sfclay.o
sed -e "s/^\s*/" -e "s/^\s*/" module sf_sfclay.F > module sf_sfclay.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_sfclay.G > module sf_sfclay.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_sfclay.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_sfclay.f90
rm -f module sf_sfclay.G module sf_sfclay.bb
time mpi90 -f90=gfortran -o module sf_sfclay.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_sfclay.f90
0.71user 0.04system 0:00.75elapsed 100%CPU (0avgtext+0avgdata 34924maxresident)k
0inputs+432outputs (0major+24321minor)pagefaults 0swaps
rm -f module sf_sfclayrev.o
sed -e "s/^\s*/" -e "s/^\s*/" module sf_sfclayrev.F > module sf_sfclayrev.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_sfclayrev.G > module sf_sfclayrev.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_sfclayrev.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_sfclayrev.f90
rm -f module sf_sfclayrev.G module sf_sfclayrev.bb
time mpi90 -f90=gfortran -o module sf_sfclayrev.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_sfclayrev.f90
0.80user 0.04system 0:00.84elapsed 100%CPU (0avgtext+0avgdata 37540maxresident)k
0inputs+544outputs (0major+24924minor)pagefaults 0swaps
rm -f module progtmp.o
```

```
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module progfm.F > module progfm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module progfm.G > module progfm.bb
/U01/Build_WRF/WRF/tools/standard.exe module progfm.bb /lib/cpp -P -nostdinc -traditional-cpp > module progfm.f90
rm -f module progfm.G module progfm.bb
time mpi90 -f90=gfortran -o module progfm.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module progfm.f90
0.04user 0.03system 0:00.08elapsed 101%CPU (0avgtext+0avgdata 13216maxresident)k
0inputs+48outputs (0major+17398minor)pagefaults 0swaps
rm -f module sf_exchcoef.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module sf_exchcoef.F > module sf_exchcoef.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_exchcoef.G > module sf_exchcoef.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_exchcoef.bb /lib/cpp -P -nostdinc -traditional-cpp > module sf_exchcoef.f90
rm -f module sf_exchcoef.G module sf_exchcoef.bb
time mpi90 -f90=gfortran -o module sf_exchcoef.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_exchcoef.f90
0.10user 0.03system 0:00.13elapsed 100%CPU (0avgtext+0avgdata 14256maxresident)k
0inputs+120outputs (0major+17716minor)pagefaults 0swaps
rm -f module sf_slab.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module sf_slab.F > module sf_slab.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_slab.G > module sf_slab.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_slab.bb /lib/cpp -P -nostdinc -traditional-cpp > module sf_slab.f90
rm -f module sf_slab.G module sf_slab.bb
time mpi90 -f90=gfortran -o module sf_slab.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_slab.f90
0.29user 0.04system 0:00.33elapsed 100%CPU (0avgtext+0avgdata 23260maxresident)k
0inputs+248outputs (0major+20638minor)pagefaults 0swaps
rm -f module sf_noahslm.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module sf_noahslm.F > module sf_noahslm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_noahslm.G > module sf_noahslm.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_noahslm.bb /lib/cpp -P -nostdinc -traditional-cpp > module sf_noahslm.f90
rm -f module sf_noahslm.G module sf_noahslm.bb
time mpi90 -f90=gfortran -o module sf_noahslm.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_noahslm.f90
1.20user 0.05system 0:01.26elapsed 99%CPU (0avgtext+0avgdata 41956maxresident)k
0inputs+1072outputs (0major+25221minor)pagefaults 0swaps
rm -f module sf_gecos.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module sf_gecos.F > module sf_gecos.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_gecos.G > module sf_gecos.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_gecos.bb /lib/cpp -P -nostdinc -traditional-cpp > module sf_gecos.f90
rm -f module sf_gecos.G module sf_gecos.bb
time mpi90 -f90=gfortran -o module sf_gecos.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_gecos.f90
0.54user 0.04system 0:00.58elapsed 100%CPU (0avgtext+0avgdata 27644maxresident)k
0inputs+504outputs (0major+21503minor)pagefaults 0swaps
rm -f module sf_myjsfc.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module sf_myjsfc.F > module sf_myjsfc.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_myjsfc.G > module sf_myjsfc.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_myjsfc.bb /lib/cpp -P -nostdinc -traditional-cpp > module sf_myjsfc.f90
rm -f module sf_myjsfc.G module sf_myjsfc.bb
time mpi90 -f90=gfortran -o module sf_myjsfc.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module sf_myjsfc.f90
0.61user 0.04system 0:00.65elapsed 100%CPU (0avgtext+0avgdata 31336maxresident)k
0inputs+464outputs (0major+22430minor)pagefaults 0swaps
rm -f module data_gocart_dust.o
sed -e "s/^\!.*$/ -e "s/^\!.*$/ module data_gocart_dust.F > module data_gocart_dust.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfrmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module data_gocart_dust.G > module data_gocart_dust.bb
/U01/Build_WRF/WRF/tools/standard.exe module data_gocart_dust.bb /lib/cpp -P -nostdinc -traditional-cpp > module data_gocart_dust.f90
rm -f module data_gocart_dust.G module data_gocart_dust.bb
time mpi90 -f90=gfortran -o module data_gocart_dust.o -c -O2 -f3ree-vectorize -funroll-loops -w -f3ree-form -f3ree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module data_gocart_dust.f90
0.02user 0.02system 0:00.05elapsed 100%CPU (0avgtext+0avgdata 7044maxresident)k
0inputs+48outputs (0major+15726minor)pagefaults 0swaps
rm -f module sf_urban.o
```

```

sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_urban.F > module_sf_urban.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_urban.G > module_sf_urban.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_urban.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_urban.f90
rm -f module_sf_urban.G module_sf_urban.bb
time mpiF90 -f90=gfortran -o module_sf_urban.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_urban.f90
20.17user 0.30system 0:20.49elapsed 99%CPU (0avgtext+0avgdata 350224maxresident)k
0inputs+4584outputs (0major+137977minor)pagefaults 0swaps
rm -f module_sf_bem.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_bem.F > module_sf_bem.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_bem.G > module_sf_bem.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_bem.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_bem.f90
rm -f module_sf_bem.G module_sf_bem.bb
time mpiF90 -f90=gfortran -o module_sf_bem.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_bem.f90
0.87user 0.04system 0:00.92elapsed 100%CPU (0avgtext+0avgdata 40816maxresident)k
0inputs+5920outputs (0major+24638minor)pagefaults 0swaps
rm -f module_sf_ssib.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_ssib.F > module_sf_ssib.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_ssib.G > module_sf_ssib.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_ssib.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_ssib.f90
rm -f module_sf_ssib.G module_sf_ssib.bb
time mpiF90 -f90=gfortran -o module_sf_ssib.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_ssib.f90
2.79user 0.09system 0:02.87elapsed 100%CPU (0avgtext+0avgdata 88508maxresident)k
0inputs+17920outputs (0major+38690minor)pagefaults 0swaps
rm -f module_sf_noah_seaice.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_noah_seaice.F > module_sf_noah_seaice.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_noah_seaice.G > module_sf_noah_seaice.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_noah_seaice.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_noah_seaice.f90
rm -f module_sf_noah_seaice.G module_sf_noah_seaice.bb
time mpiF90 -f90=gfortran -o module_sf_noah_seaice.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_noah_seaice.f90
0.18user 0.03system 0:00.22elapsed 100%CPU (0avgtext+0avgdata 19796maxresident)k
0inputs+1520outputs (0major+19251minor)pagefaults 0swaps
rm -f module_sf_noahmp_glacier.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_noahmp_glacier.F > module_sf_noahmp_glacier.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_noahmp_glacier.G > module_sf_noahmp_glacier.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_noahmp_glacier.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_noahmp_glacier.f90
rm -f module_sf_noahmp_glacier.G module_sf_noahmp_glacier.bb
time mpiF90 -f90=gfortran -o module_sf_noahmp_glacier.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_noahmp_glacier.f90
1.82user 0.07system 0:01.89elapsed 100%CPU (0avgtext+0avgdata 62704maxresident)k
0inputs+16080outputs (0major+30179minor)pagefaults 0swaps
rm -f module_sf_pxism_data.o
sed -e "s/^\!.*//m" -e "s/^\!.*//m" module_sf_pxism_data.F > module_sf_pxism_data.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_pxism_data.G > module_sf_pxism_data.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_pxism_data.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_pxism_data.f90
rm -f module_sf_pxism_data.G module_sf_pxism_data.bb
time mpiF90 -f90=gfortran -o module_sf_pxism_data.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_pxism_data.f90
0.02user 0.03system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 8316maxresident)k
0inputs+1280outputs (0major+16106minor)pagefaults 0swaps
rm -f module_sf_ruclsm.o
/U01/Build_WRF/WRF/tools/standard.exe module_sf_ruclsm.F > module_sf_ruclsm.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_ruclsm.b > module_sf_ruclsm.f90
rm -f module_sf_ruclsm.b
if fgrep -iq "SOMP" module_sf_ruclsm.f90 ; then \
echo COMPILING module_sf_ruclsm.F WITH OMP ; \
if [ -n "" ] ; then echo COMPILING module_sf_ruclsm.F WITH OMP ; fi ; \
time mpiF90 -f90=gfortran -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_ruclsm.f90 ; \
else \

```



```

/U01/Build_WRF/WRF/tools/standard.exe module_sf_qnsescf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_qnsescf.f90
rm -f module_sf_qnsescf.G module_sf_qnsescf.bb
time mpi90 -f90=gfortran -o module_sf_qnsescf.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_qnsescf.f90

real 0m4.332s
user 0m4.219s
sys 0m0.114s
rm -f module_sf_mynn.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_mynn.F > module_sf_mynn.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_mynn.G > module_sf_mynn.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_mynn.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_mynn.f90
rm -f module_sf_mynn.G module_sf_mynn.bb
time mpi90 -f90=gfortran -o module_sf_mynn.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_mynn.f90
0.62user 0.04system 0:00.66elapsed 100%CPU (0avgtext+0avgdata 31516maxresident)k
0inputs+480outputs (0major+22735minor)pagefaults 0swaps
rm -f module_sf_fogdes.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_fogdes.F > module_sf_fogdes.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_fogdes.G > module_sf_fogdes.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_fogdes.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_fogdes.f90
rm -f module_sf_fogdes.G module_sf_fogdes.bb
time mpi90 -f90=gfortran -o module_sf_fogdes.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_fogdes.f90
0.09user 0.03system 0:00.12elapsed 99%CPU (0avgtext+0avgdata 15060maxresident)k
0inputs+120outputs (0major+18035minor)pagefaults 0swaps
rm -f module_sf_pxsfcfay.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_pxsfcfay.F > module_sf_pxsfcfay.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_pxsfcfay.G > module_sf_pxsfcfay.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_pxsfcfay.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_pxsfcfay.f90
rm -f module_sf_pxsfcfay.G module_sf_pxsfcfay.bb
time mpi90 -f90=gfortran -o module_sf_pxsfcfay.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_pxsfcfay.f90
0.29user 0.04system 0:00.33elapsed 100%CPU (0avgtext+0avgdata 22812maxresident)k
0inputs+272outputs (0major+20437minor)pagefaults 0swaps
rm -f module_sf_temsfcfay.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_temsfcfay.F > module_sf_temsfcfay.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_temsfcfay.G > module_sf_temsfcfay.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_temsfcfay.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_temsfcfay.f90
rm -f module_sf_temsfcfay.G module_sf_temsfcfay.bb
time mpi90 -f90=gfortran -o module_sf_temsfcfay.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_temsfcfay.f90
0.84user 0.04system 0:00.89elapsed 98%CPU (0avgtext+0avgdata 37116maxresident)k
0inputs+648outputs (0major+24146minor)pagefaults 0swaps
rm -f module_sf_idealscmfcfay.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_idealscmfcfay.F > module_sf_idealscmfcfay.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_idealscmfcfay.G > module_sf_idealscmfcfay.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_idealscmfcfay.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_idealscmfcfay.f90
rm -f module_sf_idealscmfcfay.G module_sf_idealscmfcfay.bb
time mpi90 -f90=gfortran -o module_sf_idealscmfcfay.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_idealscmfcfay.f90
0.18user 0.03system 0:00.22elapsed 100%CPU (0avgtext+0avgdata 19632maxresident)k
0inputs+192outputs (0major+19249minor)pagefaults 0swaps
rm -f module_sf_scmflux.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_scmflux.F > module_sf_scmflux.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_scmflux.G > module_sf_scmflux.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_scmflux.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_scmflux.f90
rm -f module_sf_scmflux.G module_sf_scmflux.bb
time mpi90 -f90=gfortran -o module_sf_scmflux.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_scmflux.f90
0.13user 0.03system 0:00.16elapsed 101%CPU (0avgtext+0avgdata 17212maxresident)k
0inputs+136outputs (0major+18422minor)pagefaults 0swaps
rm -f module_sf_scmkintemp.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module_sf_scmkintemp.F > module_sf_scmkintemp.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -

```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_scmskintemp.G > module_sf_scmskintemp.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_scmskintemp.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_scmskintemp.f90
rm -f module_sf_scmskintemp.G module_sf_scmskintemp.bb
time mpi90 -f90=gfortran -o module_sf_scmskintemp.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_scmskintemp.f90
0.06user 0.02system 0:00.09elapsed 98%CPU (avgtext+avgdata 14020maxresident)k
0inputs+48outputs (0major+17666minor)pagefaults 0swaps
rm -f module_physics_addtendc.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_physics_addtendc.F > module_physics_addtendc.G
1.21user 0.04system 0:00.26elapsed 99%CPU (avgtext+avgdata 21640maxresident)k
0inputs+144outputs (0major+20046minor)pagefaults 0swaps
rm -f module_sf_lake.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_sf_lake.F > module_sf_lake.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_physics_addtendc.G > module_physics_addtendc.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_lake.G > module_sf_lake.bb
/U01/Build_WRF/WRF/tools/standard.exe module_physics_addtendc.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_physics_addtendc.f90
rm -f module_physics_addtendc.G module_physics_addtendc.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_lake.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_lake.f90
time mpi90 -f90=gfortran -o module_physics_addtendc.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_physics_addtendc.f90
rm -f module_sf_lake.G module_sf_lake.bb
time mpi90 -f90=gfortran -o module_sf_lake.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sf_lake.f90
1.03user 0.07system 0:01.11elapsed 100%CPU (avgtext+avgdata 42192maxresident)k
0inputs+2912outputs (0major+24877minor)pagefaults 0swaps
rm -f module_fdda_psfddagd.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_fdda_psfddagd.F > module_fdda_psfddagd.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_fdda_psfddagd.G > module_fdda_psfddagd.bb
/U01/Build_WRF/WRF/tools/standard.exe module_fdda_psfddagd.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_fdda_psfddagd.f90
rm -f module_fdda_psfddagd.G module_fdda_psfddagd.bb
time mpi90 -f90=gfortran -o module_fdda_psfddagd.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_fdda_psfddagd.f90
2.02user 0.07system 0:02.10elapsed 100%CPU (avgtext+avgdata 73668maxresident)k
0inputs+1448outputs (0major+33366minor)pagefaults 0swaps
rm -f module_fdda_spnudging.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_fdda_spnudging.F > module_fdda_spnudging.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_fdda_spnudging.G > module_fdda_spnudging.bb
/U01/Build_WRF/WRF/tools/standard.exe module_fdda_spnudging.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_fdda_spnudging.f90
rm -f module_fdda_spnudging.G module_fdda_spnudging.bb
time mpi90 -f90=gfortran -o module_fdda_spnudging.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_fdda_spnudging.f90
1.70user 0.07system 0:01.77elapsed 100%CPU (avgtext+avgdata 67768maxresident)k
0inputs+976outputs (0major+32984minor)pagefaults 0swaps
rm -f module_fddaobs_rtfdda.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_fddaobs_rtfdda.F > module_fddaobs_rtfdda.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_fddaobs_rtfdda.G > module_fddaobs_rtfdda.bb
/U01/Build_WRF/WRF/tools/standard.exe module_fddaobs_rtfdda.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_fddaobs_rtfdda.f90
rm -f module_fddaobs_rtfdda.G module_fddaobs_rtfdda.bb
time mpi90 -f90=gfortran -o module_fddaobs_rtfdda.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_fddaobs_rtfdda.f90
2.16user 0.09system 0:02.26elapsed 100%CPU (avgtext+avgdata 110236maxresident)k
0inputs+2352outputs (0major+44564minor)pagefaults 0swaps
rm -f module_wind_fitcho.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_wind_fitcho.F > module_wind_fitcho.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_wind_fitcho.G > module_wind_fitcho.bb
/U01/Build_WRF/WRF/tools/standard.exe module_wind_fitcho.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_wind_fitcho.f90
rm -f module_wind_fitcho.G module_wind_fitcho.bb
time mpi90 -f90=gfortran -o module_wind_fitcho.o -c -O2 -f-free-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_wind_fitcho.f90
0.37user 0.04system 0:00.42elapsed 100%CPU (avgtext+avgdata 23540maxresident)k
0inputs+920outputs (0major+20301minor)pagefaults 0swaps
rm -f module_dust_emis.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_dust_emis.F > module_dust_emis.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

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DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module dust_emis.G > module dust_emis.bb
/U01/Build_WRF/WRF/tools/standard.exe module dust_emis.bb | /lib/cpp -P -nostdinc -traditional-cpp > module dust_emis.f90
rm -f module dust_emis.G module dust_emis.bb
time mpi90 -f90=gfortran -o module dust_emis.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module dust_emis.f90
0.09user 0.03system 0:00.13elapsed 98%CPU (0avgtext+0avgdata 15904maxresident)k
0inputs+72outputs (0major+18208minor)pagefaults 0swaps
rm -f module microphysics zero_out.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module microphysics zero_out.F > module microphysics zero_out.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module microphysics zero_out.G > module microphysics zero_out.bb
/U01/Build_WRF/WRF/tools/standard.exe module microphysics zero_out.bb | /lib/cpp -P -nostdinc -traditional-cpp > module microphysics_zero_out.f90
rm -f module microphysics zero_out.G module microphysics zero_out.bb
time mpi90 -f90=gfortran -o module microphysics_zero_out.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module microphysics_zero_out.f90
2.36user 0.07system 0:02.43elapsed 100%CPU (0avgtext+0avgdata 65992maxresident)k
0inputs+1120outputs (0major+32154minor)pagefaults 0swaps
rm -f module ltng_crmp92.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ltng_crmp92.F > module ltng_crmp92.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ltng_crmp92.G > module ltng_crmp92.bb
/U01/Build_WRF/WRF/tools/standard.exe module ltng_crmp92.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ltng_crmp92.f90
rm -f module ltng_crmp92.G module ltng_crmp92.bb
time mpi90 -f90=gfortran -o module ltng_crmp92.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module ltng_crmp92.f90
0.36user 0.04system 0:00.41elapsed 100%CPU (0avgtext+0avgdata 21472maxresident)k
0inputs+1224outputs (0major+19447minor)pagefaults 0swaps
rm -f module ltng_cpmp92z.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ltng_cpmp92z.F > module ltng_cpmp92z.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ltng_cpmp92z.G > module ltng_cpmp92z.bb
/U01/Build_WRF/WRF/tools/standard.exe module ltng_cpmp92z.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ltng_cpmp92z.f90
rm -f module ltng_cpmp92z.G module ltng_cpmp92z.bb
time mpi90 -f90=gfortran -o module ltng_cpmp92z.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module ltng_cpmp92z.f90
0.12user 0.04system 0:00.16elapsed 100%CPU (0avgtext+0avgdata 16188maxresident)k
0inputs+88outputs (0major+18482minor)pagefaults 0swaps
rm -f module ltng_iccg.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ltng_iccg.F > module ltng_iccg.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ltng_iccg.G > module ltng_iccg.bb
/U01/Build_WRF/WRF/tools/standard.exe module ltng_iccg.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ltng_iccg.f90
rm -f module ltng_iccg.G module ltng_iccg.bb
time mpi90 -f90=gfortran -o module ltng_iccg.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module ltng_iccg.f90
0.39user 0.02system 0:00.42elapsed 99%CPU (0avgtext+0avgdata 21408maxresident)k
0inputs+200outputs (0major+20050minor)pagefaults 0swaps
rm -f module fddagd_driver.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module fddagd_driver.F > module fddagd_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fddagd_driver.G > module fddagd_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module fddagd_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fddagd_driver.f90
rm -f module fddagd_driver.G module fddagd_driver.bb
time mpi90 -f90=gfortran -o module fddagd_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fddagd_driver.f90
0.35user 0.05system 0:00.40elapsed 100%CPU (0avgtext+0avgdata 25612maxresident)k
0inputs+240outputs (0major+21154minor)pagefaults 0swaps
rm -f module fddaobs_driver.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module fddaobs_driver.F > module fddaobs_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fddaobs_driver.G > module fddaobs_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module fddaobs_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fddaobs_driver.f90
rm -f module fddaobs_driver.G module fddaobs_driver.bb
time mpi90 -f90=gfortran -o module fddaobs_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladl -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fddaobs_driver.f90
0.51user 0.04system 0:00.56elapsed 99%CPU (0avgtext+0avgdata 32924maxresident)k
0inputs+2264outputs (0major+22453minor)pagefaults 0swaps
rm -f module diag_misc.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module diag_misc.F > module diag_misc.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
```





```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_support.G > module cam_support.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_support.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_support.f90
rm -f module_cam_support.G module_cam_support.bb
time mpi90 -f90=gfortran -o module_cam_support.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_support.f90
0.04user 0.03system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 12712maxresident)k
0inputs+56outputs (0major+1724minor)pagefaults 0swaps
rm -f module_cam_shr_const_mod.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_shr_const_mod.F > module_cam_shr_const_mod.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_shr_const_mod.G > module_cam_shr_const_mod.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_shr_const_mod.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_shr_const_mod.f90
rm -f module_cam_shr_const_mod.G module_cam_shr_const_mod.bb
time mpi90 -f90=gfortran -o module_cam_shr_const_mod.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_shr_const_mod.f90
0.01user 0.03system 0:00.04elapsed 102%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+40outputs (0major+1561minor)pagefaults 0swaps
rm -f module_cam_trb_mtn_stress.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_trb_mtn_stress.F > module_cam_trb_mtn_stress.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_trb_mtn_stress.G > module_cam_trb_mtn_stress.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_trb_mtn_stress.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_trb_mtn_stress.f90
rm -f module_cam_trb_mtn_stress.G module_cam_trb_mtn_stress.bb
time mpi90 -f90=gfortran -o module_cam_trb_mtn_stress.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_trb_mtn_stress.f90
0.05user 0.02system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 13196maxresident)k
0inputs+48outputs (0major+1735minor)pagefaults 0swaps
rm -f module_cam_upper_bc.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_upper_bc.F > module_cam_upper_bc.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_upper_bc.G > module_cam_upper_bc.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_upper_bc.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_upper_bc.f90
rm -f module_cam_upper_bc.G module_cam_upper_bc.bb
time mpi90 -f90=gfortran -o module_cam_upper_bc.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_upper_bc.f90
0.02user 0.02system 0:00.05elapsed 100%CPU (0avgtext+0avgdata 9648maxresident)k
0inputs+24outputs (0major+1643minor)pagefaults 0swaps
rm -f module_cam_bl_diffusion_solver.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_bl_diffusion_solver.F > module_cam_bl_diffusion_solver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_bl_diffusion_solver.G > module_cam_bl_diffusion_solver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_bl_diffusion_solver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_bl_diffusion_solver.f90
rm -f module_cam_bl_diffusion_solver.G module_cam_bl_diffusion_solver.bb
time mpi90 -f90=gfortran -o module_cam_bl_diffusion_solver.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -
L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_bl_diffusion_solver.f90
1.05user 0.05system 0:01.10elapsed 100%CPU (0avgtext+0avgdata 38880maxresident)k
0inputs+864outputs (0major+24218minor)pagefaults 0swaps
rm -f module_cam_mp_radconstants.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_mp_radconstants.F > module_cam_mp_radconstants.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_mp_radconstants.G > module_cam_mp_radconstants.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_mp_radconstants.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_mp_radconstants.f90
rm -f module_cam_mp_radconstants.G module_cam_mp_radconstants.bb
time mpi90 -f90=gfortran -o module_cam_mp_radconstants.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -
L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_mp_radconstants.f90
0.09user 0.02system 0:00.12elapsed 99%CPU (0avgtext+0avgdata 14336maxresident)k
0inputs+136outputs (0major+17753minor)pagefaults 0swaps
rm -f module_cam_mp_qneg3.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_mp_qneg3.F > module_cam_mp_qneg3.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_mp_qneg3.G > module_cam_mp_qneg3.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_mp_qneg3.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_mp_qneg3.f90
rm -f module_cam_mp_qneg3.G module_cam_mp_qneg3.bb
time mpi90 -f90=gfortran -o module_cam_mp_qneg3.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_mp_qneg3.f90
0.13user 0.03system 0:00.16elapsed 101%CPU (0avgtext+0avgdata 16004maxresident)k
0inputs+80outputs (0major+18227minor)pagefaults 0swaps
rm -f module_cam_infnan.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_cam_infnan.F > module_cam_infnan.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_infnan.G > module cam_infnan.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_infnan.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cam_infnan.f90
rm -f module_cam_infnan.G module cam_infnan.bb
time mpi90 -f90=gfortran -o module cam_infnan.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cam_infnan.f90
0.10user 0.03system 0:00.04elapsed 102%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+24outputs (0major+15664minor)pagefaults 0swaps
rm -f module_gfs_physcons.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_gfs_physcons.F > module_gfs_physcons.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_gfs_physcons.G > module_gfs_physcons.bb
/U01/Build_WRF/WRF/tools/standard.exe module_gfs_physcons.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_gfs_physcons.f90
rm -f module_gfs_physcons.G module_gfs_physcons.bb
time mpi90 -f90=gfortran -o module_gfs_physcons.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_gfs_physcons.f90
0.02user 0.03system 0:00.04elapsed 102%CPU (0avgtext+0avgdata 6992maxresident)k
0inputs+32outputs (0major+15672minor)pagefaults 0swaps
rm -f module_bl_fogdes.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_bl_fogdes.F > module_bl_fogdes.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_bl_fogdes.G > module_bl_fogdes.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bl_fogdes.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bl_fogdes.f90
rm -f module_bl_fogdes.G module_bl_fogdes.bb
time mpi90 -f90=gfortran -o module_bl_fogdes.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bl_fogdes.f90
0.07user 0.03system 0:00.10elapsed 100%CPU (0avgtext+0avgdata 14024maxresident)k
0inputs+96outputs (0major+17649minor)pagefaults 0swaps
rm -f module_gfs_funcphys.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_gfs_funcphys.F > module_gfs_funcphys.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_gfs_funcphys.G > module_gfs_funcphys.bb
/U01/Build_WRF/WRF/tools/standard.exe module_gfs_funcphys.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_gfs_funcphys.f90
rm -f module_gfs_funcphys.G module_gfs_funcphys.bb
time mpi90 -f90=gfortran -o module_gfs_funcphys.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_gfs_funcphys.f90
0.43user 0.04system 0:00.47elapsed 100%CPU (0avgtext+0avgdata 22468maxresident)k
0inputs+408outputs (0major+19907minor)pagefaults 0swaps
rm -f module_cu_gf_sh.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_gf_sh.F > module_cu_gf_sh.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_gf_sh.G > module_cu_gf_sh.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_gf_sh.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_gf_sh.f90
rm -f module_cu_gf_sh.G module_cu_gf_sh.bb
time mpi90 -f90=gfortran -o module_cu_gf_sh.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_gf_sh.f90
1.08user 0.06system 0:01.14elapsed 99%CPU (0avgtext+0avgdata 51100maxresident)k
0inputs+624outputs (0major+28509minor)pagefaults 0swaps
rm -f module_cu_sas.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_sas.F > module_cu_sas.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_sas.G > module_cu_sas.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_sas.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_sas.f90
rm -f module_cu_sas.G module_cu_sas.bb
time mpi90 -f90=gfortran -o module_cu_sas.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_sas.f90
1.35user 0.06system 0:01.42elapsed 100%CPU (0avgtext+0avgdata 69932maxresident)k
0inputs+544outputs (0major+34256minor)pagefaults 0swaps
rm -f module_cu_scalesas.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_scalesas.F > module_cu_scalesas.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_scalesas.G > module_cu_scalesas.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_scalesas.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_scalesas.f90
rm -f module_cu_scalesas.G module_cu_scalesas.bb
time mpi90 -f90=gfortran -o module_cu_scalesas.o -c -O2 -fthree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad_j -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_scalesas.f90
9.53user 0.17system 0:09.72elapsed 99%CPU (0avgtext+0avgdata 196452maxresident)k
0inputs+3832outputs (0major+78018minor)pagefaults 0swaps
rm -f module_cu_osas.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_osas.F > module_cu_osas.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
```

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DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu osas.G > module cu osas.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu osas.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu osas.f90
rm -f module cu osas.G module cu osas.bb
time mpi90 -f90=gfortran -o module cu osas.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module cu osas.f90
11.61user 0.20system 0:11.83elapsed 99%CPU (0avgtext+0avgdata 234844maxresident)k
0inputs+4896outputs (0major+83150minor)pagefaults 0swaps
rm -f module ra_rrtm.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_rrtm.F > module ra_rrtm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_rtm.G > module ra_rtm.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_rtm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_rtm.f90
rm -f module ra_rtm.G module ra_rtm.bb
time mpi90 -f90=gfortran -o module ra_rtm.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_rtm.f90
3.40user 0.09system 0:03.49elapsed 100%CPU (0avgtext+0avgdata 110464maxresident)k
0inputs+2608outputs (0major+42703minor)pagefaults 0swaps
rm -f module ra_rrtmg_lw.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_rrtmg_lw.F > module ra_rrtmg_lw.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_rtm.G > module ra_rtm.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_rtm_lw.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_rrtmg_lw.f90
rm -f module ra_rtm.G module ra_rtm_lw.bb
time mpi90 -f90=gfortran -o module ra_rtm_lw.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_rtm_lw.f90
4.68user 0.14system 0:04.82elapsed 100%CPU (0avgtext+0avgdata 129268maxresident)k
0inputs+2272outputs (0major+58820minor)pagefaults 0swaps
rm -f module ra_rrtmg_lwf.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_rrtmg_lwf.F > module ra_rrtmg_lwf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_rtm_lw.G > module ra_rtm_lw.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_rtm_lwf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_rrtmg_lwf.f90
rm -f module ra_rtm_lw.G module ra_rtm_lwf.bb
time mpi90 -f90=gfortran -o module ra_rtm_lwf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_rtm_lwf.f90
11.13user 0.24system 0:11.37elapsed 99%CPU (0avgtext+0avgdata 367440maxresident)k
0inputs+5288outputs (0major+109406minor)pagefaults 0swaps
rm -f module ra_rrtmg_lwk.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_rrtmg_lwk.F > module ra_rrtmg_lwk.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_rtm_lw.G > module ra_rtm_lwk.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_rtm_lwk.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_rrtmg_lwk.f90
rm -f module ra_rtm_lw.G module ra_rtm_lwk.bb
time mpi90 -f90=gfortran -o module ra_rtm_lwk.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_rtm_lwk.f90
11.53user 0.28system 0:11.82elapsed 99%CPU (0avgtext+0avgdata 368148maxresident)k
0inputs+8928outputs (0major+112190minor)pagefaults 0swaps
rm -f module ra_cam_support.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_cam_support.F > module ra_cam_support.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_cam_support.G > module ra_cam_support.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_cam_support.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_cam_support.f90
rm -f module ra_cam_support.G module ra_cam_support.bb
time mpi90 -f90=gfortran -o module ra_cam_support.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_cam_support.f90
1.76user 0.07system 0:01.84elapsed 99%CPU (0avgtext+0avgdata 62916maxresident)k
0inputs+1520outputs (0major+30487minor)pagefaults 0swaps
rm -f module ra_gfdleta.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_gfdleta.F > module ra_gfdleta.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_gfdleta.G > module ra_gfdleta.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_gfdleta.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_gfdleta.f90
rm -f module ra_gfdleta.G module ra_gfdleta.bb
time mpi90 -f90=gfortran -o module ra_gfdleta.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module ra_gfdleta.f90
7.04user 0.13system 0:07.20elapsed 99%CPU (0avgtext+0avgdata 179832maxresident)k
0inputs+4384outputs (0major+60519minor)pagefaults 0swaps
rm -f module ra_HWRF.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_HWRF.F > module ra_HWRF.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_HWRFG > module_ra_HWRFG.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_HWRFG.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_HWRFG.f90
rm -f module_ra_HWRFG.module_ra_HWRFG.bb
time mpi90 -f90=gfortran -o module_ra_HWRFG.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_ra_HWRFG.f90
21.32user 0.29system 0:21.62elapsed 99%CPU (0avgtext+0avgdata 420720maxresident)k
0inputs+9168outputs (0major+131600minor)pagefaults 0swaps
rm -f module_mp_thompson.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_mp_thompson.F > module_mp_thompson.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_mp_thompson.G > module_mp_thompson.bb
/U01/Build_WRF/WRF/tools/standard.exe module_mp_thompson.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_mp_thompson.f90
rm -f module_mp_thompson.G module_mp_thompson.bb
time mpi90 -f90=gfortran -o module_mp_thompson.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_mp_thompson.f90
21.42user 0.29system 0:21.72elapsed 99%CPU (0avgtext+0avgdata 420428maxresident)k
0inputs+9184outputs (0major+131518minor)pagefaults 0swaps
rm -f module_sf_gfs.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_gfs.F > module_sf_gfs.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_gfs.G > module_sf_gfs.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_gfs.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_gfs.f90
rm -f module_sf_gfs.G module_sf_gfs.bb
time mpi90 -f90=gfortran -o module_sf_gfs.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_gfs.f90
0.83user 0.05system 0:00.88elapsed 99%CPU (0avgtext+0avgdata 38912maxresident)k
0inputs+5760outputs (0major+25207minor)pagefaults 0swaps
rm -f module_sf_gfdl.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_gfdl.F > module_sf_gfdl.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_gfdl.G > module_sf_gfdl.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_gfdl.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_gfdl.f90
rm -f module_sf_gfdl.G module_sf_gfdl.bb
time mpi90 -f90=gfortran -o module_sf_gfdl.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_gfdl.f90
5.65user 0.13system 0:05.78elapsed 99%CPU (0avgtext+0avgdata 152828maxresident)k
0inputs+27440outputs (0major+61076minor)pagefaults 0swaps
rm -f module_sf_noahmplsm.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_noahmplsm.F > module_sf_noahmplsm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_noahmplsm.G > module_sf_noahmplsm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_noahmplsm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_noahmplsm.f90
rm -f module_sf_noahmplsm.G module_sf_noahmplsm.bb
time mpi90 -f90=gfortran -o module_sf_noahmplsm.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_noahmplsm.f90
1.07user 0.05system 0:01.13elapsed 99%CPU (0avgtext+0avgdata 45704maxresident)k
0inputs+6720outputs (0major+27266minor)pagefaults 0swaps
rm -f module_sf_bep.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_bep.F > module_sf_bep.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_bep.G > module_sf_bep.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_bep.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_bep.f90
rm -f module_sf_bep.G module_sf_bep.bb
time mpi90 -f90=gfortran -o module_sf_bep.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_bep.f90
2.21user 0.09system 0:02.30elapsed 100%CPU (0avgtext+0avgdata 86252maxresident)k
0inputs+16320outputs (0major+37349minor)pagefaults 0swaps
rm -f module_sf_bep_bem.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_bep_bem.F > module_sf_bep_bem.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_bep_bem.G > module_sf_bep_bem.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_bep_bem.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sf_bep_bem.f90
rm -f module_sf_bep_bem.G module_sf_bep_bem.bb
time mpi90 -f90=gfortran -o module_sf_bep_bem.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_bep_bem.f90
5.12user 0.14system 0:05.27elapsed 99%CPU (0avgtext+0avgdata 140056maxresident)k
0inputs+30480outputs (0major+56289minor)pagefaults 0swaps
rm -f module_sf_clm.o
sed -e "s/^\s*.*//m" -e "s/^\s*.*//m" module_sf_clm.F > module_sf_clm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_clm.G > module sf_clm.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_clm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_clm.f90
rm -f module sf_clm.G module sf_clm.bb
time mpi90 -f90=gfortran -o module sf_clm.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_clm.f90
3.17user 0.13system 0:03.30elapsed 100%CPU (0avgtext+0avgdata 141720maxresident)k
0inputs+2072outputs (0major+52155minor)pagefaults 0swaps
rm -f module sf_noah_seaice_drv.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module sf_noah_seaice_drv.F > module sf_noah_seaice_drv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_noah_seaice_drv.G > module sf_noah_seaice_drv.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_noah_seaice_drv.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_noah_seaice_drv.f90
rm -f module sf_noah_seaice_drv.G module sf_noah_seaice_drv.bb
time mpi90 -f90=gfortran -o module sf_noah_seaice_drv.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_noah_seaice_drv.f90
0.20user 0.03system 0:00.23elapsed 98%CPU (0avgtext+0avgdata 19608maxresident)k
0inputs+160outputs (0major+19285minor)pagefaults 0swaps
rm -f module sf_noahmp_groundwater.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module sf_noahmp_groundwater.F > module sf_noahmp_groundwater.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_noahmp_groundwater.G > module sf_noahmp_groundwater.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_noahmp_groundwater.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_noahmp_groundwater.f90
rm -f module sf_noahmp_groundwater.G module sf_noahmp_groundwater.bb
time mpi90 -f90=gfortran -o module sf_noahmp_groundwater.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_noahmp_groundwater.f90
0.51user 0.03system 0:00.57elapsed 95%CPU (0avgtext+0avgdata 30484maxresident)k
0inputs+312outputs (0major+22353minor)pagefaults 0swaps
rm -f module sf_pxslm.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module sf_pxslm.F > module sf_pxslm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_pxslm.G > module sf_pxslm.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_pxslm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_pxslm.f90
rm -f module sf_pxslm.G module sf_pxslm.bb
time mpi90 -f90=gfortran -o module sf_pxslm.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_pxslm.f90
0.76user 0.03system 0:00.80elapsed 100%CPU (0avgtext+0avgdata 35216maxresident)k
0inputs+648outputs (0major+23661minor)pagefaults 0swaps
rm -f module sf_ocean_driver.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module sf_ocean_driver.F > module sf_ocean_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_ocean_driver.G > module sf_ocean_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_ocean_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_ocean_driver.f90
rm -f module sf_ocean_driver.G module sf_ocean_driver.bb
time mpi90 -f90=gfortran -o module sf_ocean_driver.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_ocean_driver.f90
0.10user 0.04system 0:00.14elapsed 100%CPU (0avgtext+0avgdata 15896maxresident)k
0inputs+120outputs (0major+18251minor)pagefaults 0swaps
rm -f module lightning_driver.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module lightning_driver.F > module lightning_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module lightning_driver.G > module lightning_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module lightning_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module lightning_driver.f90
rm -f module lightning_driver.G module lightning_driver.bb
time mpi90 -f90=gfortran -o module lightning_driver.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module lightning_driver.f90
0.43user 0.05system 0:00.48elapsed 100%CPU (0avgtext+0avgdata 24172maxresident)k
0inputs+280outputs (0major+20680minor)pagefaults 0swaps
rm -f module diag_trad_fields.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module diag_trad_fields.F > module diag_trad_fields.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module diag_trad_fields.G > module diag_trad_fields.bb
/U01/Build_WRF/WRF/tools/standard.exe module diag_trad_fields.bb | /lib/cpp -P -nostdinc -traditional-cpp > module diag_trad_fields.f90
rm -f module diag_trad_fields.G module diag_trad_fields.bb
time mpi90 -f90=gfortran -o module diag_trad_fields.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module diag_trad_fields.f90
0.07user 0.03system 0:00.11elapsed 100%CPU (0avgtext+0avgdata 15176maxresident)k
0inputs+72outputs (0major+17936minor)pagefaults 0swaps
rm -f module diag_rasm.o
sed -e "s/^\\!.*/!/" -e "s/^\\!.*/!/" module diag_rasm.F > module diag_rasm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

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DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module diag_rasm.G > module diag_rasm.bb
/U01/Build_WRF/WRF/tools/standard.exe module diag_rasm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module diag_rasm.f90
rm -f module diag_rasm.G module diag_rasm.bb
time mpi90 -f90=gfortran -o module diag_rasm.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module diag_rasm.f90
3.32user 0.11system 0:03.44elapsed 99%CPU (0avgtext+0avgdata 117604maxresident)k
0inputs+1440outputs (0major+47520minor)pagefaults 0swaps
rm -f module fr_fire_phys.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module fr_fire_phys.F > module fr_fire_phys.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fr_fire_phys.G > module fr_fire_phys.bb
/U01/Build_WRF/WRF/tools/standard.exe module fr_fire_phys.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fr_fire_phys.f90
rm -f module fr_fire_phys.G module fr_fire_phys.bb
time mpi90 -f90=gfortran -o module fr_fire_phys.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fr_fire_phys.f90
0.51user 0.05system 0:00.57elapsed 100%CPU (0avgtext+0avgdata 29740maxresident)k
0inputs+440outputs (0major+22101minor)pagefaults 0swaps
rm -f module fr_fire_atm.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module fr_fire_atm.F > module fr_fire_atm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fr_fire_atm.G > module fr_fire_atm.bb
/U01/Build_WRF/WRF/tools/standard.exe module fr_fire_atm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fr_fire_atm.f90
rm -f module fr_fire_atm.G module fr_fire_atm.bb
time mpi90 -f90=gfortran -o module fr_fire_atm.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fr_fire_atm.f90
0.21user 0.03system 0:00.25elapsed 100%CPU (0avgtext+0avgdata 19744maxresident)k
0inputs+304outputs (0major+19334minor)pagefaults 0swaps
rm -f module cam_physconst.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module cam_physconst.F > module cam_physconst.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_physconst.G > module cam_physconst.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_physconst.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_physconst.f90
rm -f module cam_physconst.G module cam_physconst.bb
time mpi90 -f90=gfortran -o module cam_physconst.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_physconst.f90
0.02user 0.02system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 9568maxresident)k
0inputs+40outputs (0major+16441minor)pagefaults 0swaps
rm -f module cam_bl_eddy_diff.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module cam_bl_eddy_diff.F > module cam_bl_eddy_diff.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_bl_eddy_diff.G > module cam_bl_eddy_diff.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_bl_eddy_diff.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_bl_eddy_diff.f90
rm -f module cam_bl_eddy_diff.G module cam_bl_eddy_diff.bb
time mpi90 -f90=gfortran -o module cam_bl_eddy_diff.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_bl_eddy_diff.f90
3.54user 0.10system 0:03.66elapsed 99%CPU (0avgtext+0avgdata 118152maxresident)k
0inputs+1272outputs (0major+51046minor)pagefaults 0swaps
rm -f module data_cam_mam_aero.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module data_cam_mam_aero.F > module data_cam_mam_aero.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module data_cam_mam_aero.G > module data_cam_mam_aero.bb
/U01/Build_WRF/WRF/tools/standard.exe module data_cam_mam_aero.bb | /lib/cpp -P -nostdinc -traditional-cpp > module data_cam_mam_aero.f90
rm -f module data_cam_mam_aero.G module data_cam_mam_aero.bb
time mpi90 -f90=gfortran -o module data_cam_mam_aero.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module data_cam_mam_aero.f90
0.02user 0.02system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 7400maxresident)k
0inputs+160outputs (0major+15834minor)pagefaults 0swaps
rm -f module cam_mp_conv_water.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module cam_mp_conv_water.F > module cam_mp_conv_water.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_mp_conv_water.G > module cam_mp_conv_water.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_mp_conv_water.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_mp_conv_water.f90
rm -f module cam_mp_conv_water.G module cam_mp_conv_water.bb
time mpi90 -f90=gfortran -o module cam_mp_conv_water.o -c -O2 -f-free-vectorize -funroll-loops -w -f-free-form -f-free-line-length-none -f-convert=big-endian -f-record-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_ncetdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_mp_conv_water.f90
0.11user 0.03system 0:00.14elapsed 100%CPU (0avgtext+0avgdata 16208maxresident)k
0inputs+88outputs (0major+18278minor)pagefaults 0swaps
rm -f module data_cam_mam_asect.o
sed -e "s/^\s*//m" -e "s/^\s*\s*//m" module data_cam_mam_asect.F > module data_cam_mam_asect.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_data_cam_mam_asect.G > module_data_cam_mam_asect.bb
/U01/Build_WRF/WRF/tools/standard.exe module_data_cam_mam_asect.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_data_cam_mam_asect.f90
rm -f module_data_cam_mam_asect.G module_data_cam_mam_asect.bb
time mpi90 -f90=gfortran -o module_data_cam_mam_asect.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_data_cam_mam_asect.f90
0.02user 0.03system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 7104maxresident)k
0inputs+1120outputs (0major+15745minor)pagefaults 0swaps
rm -f module_bl_gfs.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_bl_gfs.F > module_bl_gfs.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_bl_gfs.G > module_bl_gfs.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bl_gfs.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bl_gfs.f90
rm -f module_bl_gfs.G module_bl_gfs.bb
time mpi90 -f90=gfortran -o module_bl_gfs.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bl_gfs.f90
2.34user 0.06system 0:02.40elapsed 100%CPU (0avgtext+0avgdata 74680maxresident)k
0inputs+11440outputs (0major+34811minor)pagefaults 0swaps
rm -f module_bl_gfsdmf.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_bl_gfsdmf.F > module_bl_gfsdmf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_bl_gfsdmf.G > module_bl_gfsdmf.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bl_gfsdmf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bl_gfsdmf.f90
rm -f module_bl_gfsdmf.G module_bl_gfsdmf.bb
time mpi90 -f90=gfortran -o module_bl_gfsdmf.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bl_gfsdmf.f90
0.02user 0.02system 0:00.05elapsed 104%CPU (0avgtext+0avgdata 6996maxresident)k
0inputs+2400outputs (0major+15643minor)pagefaults 0swaps
rm -f module_cu_tiedtke.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_tiedtke.F > module_cu_tiedtke.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_tiedtke.G > module_cu_tiedtke.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_tiedtke.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_tiedtke.f90
rm -f module_cu_tiedtke.G module_cu_tiedtke.bb
time mpi90 -f90=gfortran -o module_cu_tiedtke.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_tiedtke.f90
3.04user 0.08system 0:03.13elapsed 99%CPU (0avgtext+0avgdata 92360maxresident)k
0inputs+19520outputs (0major+39060minor)pagefaults 0swaps
rm -f module_cu_gf_wrfdrv.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_cu_gf_wrfdrv.F > module_cu_gf_wrfdrv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_gf_wrfdrv.G > module_cu_gf_wrfdrv.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_gf_wrfdrv.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_gf_wrfdrv.f90
rm -f module_cu_gf_wrfdrv.G module_cu_gf_wrfdrv.bb
time mpi90 -f90=gfortran -o module_cu_gf_wrfdrv.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_gf_wrfdrv.f90
1.27user 0.06system 0:01.33elapsed 100%CPU (0avgtext+0avgdata 67072maxresident)k
0inputs+5200outputs (0major+33577minor)pagefaults 0swaps
rm -f module_ra_rrtmg_sw.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_ra_rrtmg_sw.F > module_ra_rrtmg_sw.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_rrtmg_sw.G > module_ra_rrtmg_sw.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_rrtmg_sw.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_rrtmg_sw.f90
rm -f module_ra_rrtmg_sw.G module_ra_rrtmg_sw.bb
time mpi90 -f90=gfortran -o module_ra_rrtmg_sw.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_rrtmg_sw.f90
12.49user 0.30system 0:12.79elapsed 100%CPU (0avgtext+0avgdata 41851maxresident)k
0inputs+50880outputs (0major+122086minor)pagefaults 0swaps
rm -f module_ra_rrtmg_swf.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_ra_rrtmg_swf.F > module_ra_rrtmg_swf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_ra_rrtmg_swf.G > module_ra_rrtmg_swf.bb
/U01/Build_WRF/WRF/tools/standard.exe module_ra_rrtmg_swf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_ra_rrtmg_swf.f90
rm -f module_ra_rrtmg_swf.G module_ra_rrtmg_swf.bb
time mpi90 -f90=gfortran -o module_ra_rrtmg_swf.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_ra_rrtmg_swf.f90
15.00user 0.30system 0:15.31elapsed 99%CPU (0avgtext+0avgdata 396408maxresident)k
0inputs+62240outputs (0major+127351minor)pagefaults 0swaps
rm -f module_ra_rrtmg_swk.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module_ra_rrtmg_swk.F > module_ra_rrtmg_swk.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```



```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_rrtmg_swk.G > module ra_rrtmg_swk.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_rrtmg_swk.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_rrtmg_swk.f90
rm -f module ra_rrtmg_swk.G module ra_rrtmg_swk.bb
time mpi90 -f90=gfortran -o module ra_rrtmg_swk.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module ra_rrtmg_swk.f90
48.79user 0.39system 0:49.24elapsed 99%CPU (0avgtext+0avgdata 381524maxresident)k
0inputs+20384outputs (0major+129328minor)pagefaults 0swaps
rm -f module ra_cam.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module ra_cam.F > module ra_cam.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module ra_cam.G > module ra_cam.bb
/U01/Build_WRF/WRF/tools/standard.exe module ra_cam.bb | /lib/cpp -P -nostdinc -traditional-cpp > module ra_cam.f90
rm -f module ra_cam.G module ra_cam.bb
time mpi90 -f90=gfortran -o module ra_cam.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module ra_cam.f90
8.90user 0.20system 0:09.11elapsed 99%CPU (0avgtext+0avgdata 217260maxresident)k
0inputs+39200outputs (0major+77381minor)pagefaults 0swaps
rm -f module sf_noahslm_glacial_only.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module sf_noahslm_glacial_only.F > module sf_noahslm_glacial_only.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_noahslm_glacial_only.G > module sf_noahslm_glacial_only.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_noahslm_glacial_only.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_noahslm_glacial_only.f90
rm -f module sf_noahslm_glacial_only.G module sf_noahslm_glacial_only.bb
time mpi90 -f90=gfortran -o module sf_noahslm_glacial_only.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_noahslm_glacial_only.f90
11.19user 0.26system 0:11.46elapsed 99%CPU (0avgtext+0avgdata 364360maxresident)k
0inputs+46560outputs (0major+113090minor)pagefaults 0swaps
rm -f module sf_noahmpdrv.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module sf_noahmpdrv.F > module sf_noahmpdrv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sf_noahmpdrv.G > module sf_noahmpdrv.bb
/U01/Build_WRF/WRF/tools/standard.exe module sf_noahmpdrv.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sf_noahmpdrv.f90
rm -f module sf_noahmpdrv.G module sf_noahmpdrv.bb
time mpi90 -f90=gfortran -o module sf_noahmpdrv.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sf_noahmpdrv.f90
0.23user 0.03system 0:00.26elapsed 100%CPU (0avgtext+0avgdata 21292maxresident)k
0inputs+21600outputs (0major+20015minor)pagefaults 0swaps
rm -f module diag_afwa.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module diag_afwa.F > module diag_afwa.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module diag_afwa.G > module diag_afwa.bb
/U01/Build_WRF/WRF/tools/standard.exe module diag_afwa.bb | /lib/cpp -P -nostdinc -traditional-cpp > module diag_afwa.f90
rm -f module diag_afwa.G module diag_afwa.bb
time mpi90 -f90=gfortran -o module diag_afwa.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module diag_afwa.f90
2.49user 0.09system 0:02.59elapsed 100%CPU (0avgtext+0avgdata 88460maxresident)k
0inputs+32720outputs (0major+38652minor)pagefaults 0swaps
rm -f module fr_fire_core.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module fr_fire_core.F > module fr_fire_core.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fr_fire_core.G > module fr_fire_core.bb
/U01/Build_WRF/WRF/tools/standard.exe module fr_fire_core.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fr_fire_core.f90
rm -f module fr_fire_core.G module fr_fire_core.bb
time mpi90 -f90=gfortran -o module fr_fire_core.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fr_fire_core.f90
5.21user 0.18system 0:05.39elapsed 100%CPU (0avgtext+0avgdata 118904maxresident)k
0inputs+31440outputs (0major+64982minor)pagefaults 0swaps
rm -f module cam_gffgch.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_gffgch.F > module cam_gffgch.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_gffgch.G > module cam_gffgch.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_gffgch.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_gffgch.f90
rm -f module cam_gffgch.G module cam_gffgch.bb
time mpi90 -f90=gfortran -o module cam_gffgch.o -c -O2 -fjee-vectorize -funroll-loops -w -fjee-form -fjee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_gffgch.f90
0.04user 0.02system 0:00.08elapsed 86%CPU (0avgtext+0avgdata 12440maxresident)k
0inputs+40000outputs (0major+17149minor)pagefaults 0swaps
rm -f module cam_constituents.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_constituents.F > module cam_constituents.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_constituents.G > module_cam_constituents.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_constituents.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_cam_constituents.f90
rm -f module_cam_constituents.G module_cam_constituents.bb
time mpi90 -f90=gfortran -o module_cam_constituents.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_constituents.f90
0.15user 0.02system 0:00.17elapsed 99%CPU (0avgtext+0avgdata 16184maxresident)k
0inputs+144outputs (0major+18190minor)pagefaults 0swaps
rm -f module_cam_mp_modal_aero_initialize_data_phys.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_cam_mp_modal_aero_initialize_data_phys.F > module_cam_mp_modal_aero_initialize_data_phys.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_mp_modal_aero_initialize_data_phys.G > module_cam_mp_modal_aero_initialize_data_phys.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_mp_modal_aero_initialize_data_phys.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_cam_mp_modal_aero_initialize_data_phys.f90
rm -f module_cam_mp_modal_aero_initialize_data_phys.G module_cam_mp_modal_aero_initialize_data_phys.bb
time mpi90 -f90=gfortran -o module_cam_mp_modal_aero_initialize_data_phys.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -
I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_mp_modal_aero_initialize_data_phys.f90
0.10user 0.02system 0:00.12elapsed 101%CPU (0avgtext+0avgdata 15948maxresident)k
0inputs+96outputs (0major+18131minor)pagefaults 0swaps
rm -f module_radiation_driver.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_radiation_driver.F > module_radiation_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_radiation_driver.G > module_radiation_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_radiation_driver.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_radiation_driver.f90
rm -f module_radiation_driver.G module_radiation_driver.bb
time mpi90 -f90=gfortran -o module_radiation_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_radiation_driver.f90
4.36user 0.14system 0:04.50elapsed 100%CPU (0avgtext+0avgdata 57260maxresident)k
0inputs+3736outputs (0major+28685minor)pagefaults 0swaps
rm -f module_sf_noahdrv.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_sf_noahdrv.F > module_sf_noahdrv.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sf_noahdrv.G > module_sf_noahdrv.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sf_noahdrv.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_sf_noahdrv.f90
rm -f module_sf_noahdrv.G module_sf_noahdrv.bb
time mpi90 -f90=gfortran -o module_sf_noahdrv.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_sf_noahdrv.f90
6.57user 0.19system 0:06.76elapsed 100%CPU (0avgtext+0avgdata 260748maxresident)k
0inputs+2264outputs (0major+89074minor)pagefaults 0swaps
rm -f module_diagnostics_driver.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_diagnostics_driver.F > module_diagnostics_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_diagnostics_driver.G > module_diagnostics_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_diagnostics_driver.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_diagnostics_driver.f90
rm -f module_diagnostics_driver.G module_diagnostics_driver.bb
time mpi90 -f90=gfortran -o module_diagnostics_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_diagnostics_driver.f90
3.03user 0.10system 0:03.13elapsed 99%CPU (0avgtext+0avgdata 102908maxresident)k
0inputs+2928outputs (0major+48132minor)pagefaults 0swaps
rm -f module_fr_fire_model.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_fr_fire_model.F > module_fr_fire_model.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_fr_fire_model.G > module_fr_fire_model.bb
/U01/Build_WRF/WRF/tools/standard.exe module_fr_fire_model.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_fr_fire_model.f90
rm -f module_fr_fire_model.G module_fr_fire_model.bb
time mpi90 -f90=gfortran -o module_fr_fire_model.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_fr_fire_model.f90
10.85user 0.47system 0:11.33elapsed 99%CPU (0avgtext+0avgdata 600820maxresident)k
0inputs+4408outputs (0major+196876minor)pagefaults 0swaps
rm -f module_cam_wv_saturation.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_cam_wv_saturation.F > module_cam_wv_saturation.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cam_wv_saturation.G > module_cam_wv_saturation.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cam_wv_saturation.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_cam_wv_saturation.f90
rm -f module_cam_wv_saturation.G module_cam_wv_saturation.bb
time mpi90 -f90=gfortran -o module_cam_wv_saturation.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module_cam_wv_saturation.f90
0.23user 0.03system 0:00.26elapsed 100%CPU (0avgtext+0avgdata 18244maxresident)k
0inputs+224outputs (0major+18807minor)pagefaults 0swaps
rm -f module_cam_molec_diff.o
sed -e "s/^\\|.*$/ -e "s/^\\|.*$/ module_cam_molec_diff.F > module_cam_molec_diff.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_molec_diff.G > module cam_molec_diff.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_molec_diff.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_molec_diff.f90
rm -f module cam_molec_diff.G module cam_molec_diff.bb
time mpi90 -f90=gfortran -o module cam_molec_diff.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_molec_diff.f90
0.57user 0.03system 0:00.60elapsed 99%CPU (0avgtext+0avgdata 32168maxresident)k
0inputs+376outputs (0major+23374minor)pagefaults 0swaps
rm -f module cam_mp_ndrop.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_mp_ndrop.F > module cam_mp_ndrop.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_mp_ndrop.G > module cam_mp_ndrop.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_mp_ndrop.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_mp_ndrop.f90
rm -f module cam_mp_ndrop.G module cam_mp_ndrop.bb
time mpi90 -f90=gfortran -o module cam_mp_ndrop.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_mp_ndrop.f90
2.43user 0.14system 0:02.58elapsed 99%CPU (0avgtext+0avgdata 112848maxresident)k
0inputs+4792outputs (0major+45119minor)pagefaults 0swaps
rm -f module cam_mp_cldwat2m_micro.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_mp_cldwat2m_micro.F > module cam_mp_cldwat2m_micro.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_mp_cldwat2m_micro.G > module cam_mp_cldwat2m_micro.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_mp_cldwat2m_micro.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_mp_cldwat2m_micro.f90
rm -f module cam_mp_cldwat2m_micro.G module cam_mp_cldwat2m_micro.bb
time mpi90 -f90=gfortran -o module cam_mp_cldwat2m_micro.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_mp_cldwat2m_micro.f90
1.77user 0.07system 0:01.84elapsed 99%CPU (0avgtext+0avgdata 75440maxresident)k
0inputs+720outputs (0major+35179minor)pagefaults 0swaps
rm -f module mixactivate.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module mixactivate.F > module mixactivate.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mixactivate.G > module mixactivate.bb
/U01/Build_WRF/WRF/tools/standard.exe module mixactivate.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mixactivate.f90
rm -f module mixactivate.G module mixactivate.bb
time mpi90 -f90=gfortran -o module mixactivate.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module mixactivate.f90
5.15user 0.19system 0:05.35elapsed 99%CPU (0avgtext+0avgdata 240576maxresident)k
0inputs+1480outputs (0major+81075minor)pagefaults 0swaps
rm -f module surface_driver.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module surface_driver.F > module surface_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module surface_driver.G > module surface_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module surface_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module surface_driver.f90
rm -f module surface_driver.G module surface_driver.bb
time mpi90 -f90=gfortran -o module surface_driver.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module surface_driver.f90
6.17user 0.14system 0:06.32elapsed 99%CPU (0avgtext+0avgdata 143564maxresident)k
0inputs+1472outputs (0major+65165minor)pagefaults 0swaps
rm -f module fr_fire_driver.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module fr_fire_driver.F > module fr_fire_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module fr_fire_driver.G > module fr_fire_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module fr_fire_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module fr_fire_driver.f90
rm -f module fr_fire_driver.G module fr_fire_driver.bb
time mpi90 -f90=gfortran -o module fr_fire_driver.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module fr_fire_driver.f90
3.52user 0.13system 0:03.65elapsed 100%CPU (0avgtext+0avgdata 76948maxresident)k
0inputs+2752outputs (0major+33626minor)pagefaults 0swaps
rm -f module cam_cldwat.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_cldwat.F > module cam_cldwat.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_cldwat.G > module cam_cldwat.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_cldwat.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_cldwat.f90
rm -f module cam_cldwat.G module cam_cldwat.bb
time mpi90 -f90=gfortran -o module cam_cldwat.o -c -O2 -f3e-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_cldwat.f90
0.04user 0.03system 0:00.07elapsed 101%CPU (0avgtext+0avgdata 12908maxresident)k
0inputs+480outputs (0major+17334minor)pagefaults 0swaps
rm -f module cam_esinti.o
sed -e "s/^\s*.*//m" -e "s/^\s*!\s*.*//m" module cam_esinti.F > module cam_esinti.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

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DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_esinti.G > module cam_esinti.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_esinti.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_esinti.f90
rm -f module cam_esinti.G module cam_esinti.bb
time mpi90 -f90=gfortran -o module cam_esinti.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_esinti.f90
0.02user 0.03system 0:00.05elapsed 101%CPU (0avgtext+0avgdata 10576maxresident)k
0inputs+24outputs (0major+16691minor)pagefaults 0swaps
rm -f module cam_mp_microc_aero.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module cam_mp_microc_aero.F > module cam_mp_microc_aero.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cam_mp_microc_aero.G > module cam_mp_microc_aero.bb
/U01/Build_WRF/WRF/tools/standard.exe module cam_mp_microc_aero.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cam_mp_microc_aero.f90
rm -f module cam_mp_microc_aero.G module cam_mp_microc_aero.bb
time mpi90 -f90=gfortran -o module cam_mp_microc_aero.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cam_mp_microc_aero.f90
0.72user 0.05system 0:00.77elapsed 100%CPU (0avgtext+0avgdata 40380maxresident)k
0inputs+360outputs (0major+25237minor)pagefaults 0swaps
rm -f module bl_camuwpl_driver.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module bl_camuwpl_driver.F > module bl_camuwpl_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module bl_camuwpl_driver.G > module bl_camuwpl_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module bl_camuwpl_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module bl_camuwpl_driver.f90
rm -f module bl_camuwpl_driver.G module bl_camuwpl_driver.bb
time mpi90 -f90=gfortran -o module bl_camuwpl_driver.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module bl_camuwpl_driver.f90
1.33user 0.09system 0:01.43elapsed 99%CPU (0avgtext+0avgdata 85632maxresident)k
0inputs+576outputs (0major+37747minor)pagefaults 0swaps
rm -f module mp_cammgmp_driver.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module mp_cammgmp_driver.F > module mp_cammgmp_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module mp_cammgmp_driver.G > module mp_cammgmp_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module mp_cammgmp_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module mp_cammgmp_driver.f90
rm -f module mp_cammgmp_driver.G module mp_cammgmp_driver.bb
time mpi90 -f90=gfortran -o module mp_cammgmp_driver.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module mp_cammgmp_driver.f90
6.72user 0.30system 0:07.02elapsed 100%CPU (0avgtext+0avgdata 450064maxresident)k
0inputs+1728outputs (0major+136624minor)pagefaults 0swaps
rm -f module sheu_camuwshcu.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module sheu_camuwshcu.F > module sheu_camuwshcu.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module sheu_camuwshcu.G > module sheu_camuwshcu.bb
/U01/Build_WRF/WRF/tools/standard.exe module sheu_camuwshcu.bb | /lib/cpp -P -nostdinc -traditional-cpp > module sheu_camuwshcu.f90
rm -f module sheu_camuwshcu.G module sheu_camuwshcu.bb
time mpi90 -f90=gfortran -o module sheu_camuwshcu.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module sheu_camuwshcu.f90
23.58user 1.09system 0:24.71elapsed 99%CPU (0avgtext+0avgdata 1795848maxresident)k
0inputs+5592outputs (0major+492981minor)pagefaults 0swaps
rm -f module cu_camzm.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module cu_camzm.F > module cu_camzm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_camzm.G > module cu_camzm.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_camzm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_camzm.f90
rm -f module cu_camzm.G module cu_camzm.bb
time mpi90 -f90=gfortran -o module cu_camzm.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cu_camzm.f90
4.68user 0.12system 0:04.84elapsed 99%CPU (0avgtext+0avgdata 128608maxresident)k
0inputs+1832outputs (0major+50153minor)pagefaults 0swaps
rm -f module cu_kfcup.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module cu_kfcup.F > module cu_kfcup.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module cu_kfcup.G > module cu_kfcup.bb
/U01/Build_WRF/WRF/tools/standard.exe module cu_kfcup.bb | /lib/cpp -P -nostdinc -traditional-cpp > module cu_kfcup.f90
rm -f module cu_kfcup.G module cu_kfcup.bb
time mpi90 -f90=gfortran -o module cu_kfcup.o -c -O2 -f3ee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruzm/Build_WRF/LIBRARIES/netcdf/include module cu_kfcup.f90
13.29user 0.39system 0:13.69elapsed 99%CPU (0avgtext+0avgdata 542804maxresident)k
0inputs+3216outputs (0major+163804minor)pagefaults 0swaps
rm -f module pbl_driver.o
sed -e "s/^\s*\*/" -e "s/^\s*\*/" module pbl_driver.F > module pbl_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
```

```
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_pbl_driver.G > module_pbl_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_pbl_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_pbl_driver.f90
rm -f module_pbl_driver.G module_pbl_driver.bb
time mpi90 -f90=gfortran -o module_pbl_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_pbl_driver.f90
1.69user 0.08system 0:01.77elapsed 100%CPU (0avgtext+0avgdata 62300maxresident)k
0inputs+1024outputs (0major+30874minor)pagefaults 0swaps
rm -f module_microphysics_driver.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_microphysics_driver.F > module_microphysics_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_microphysics_driver.G > module_microphysics_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_microphysics_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_microphysics_driver.f90
rm -f module_microphysics_driver.G module_microphysics_driver.bb
time mpi90 -f90=gfortran -o module_microphysics_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_microphysics_driver.f90
0.90user 0.06system 0:00.97elapsed 99%CPU (0avgtext+0avgdata 39808maxresident)k
0inputs+1120outputs (0major+24678minor)pagefaults 0swaps
rm -f module_fr_fire_driver_wrf.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_fr_fire_driver_wrf.F > module_fr_fire_driver_wrf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_fr_fire_driver_wrf.G > module_fr_fire_driver_wrf.bb
/U01/Build_WRF/WRF/tools/standard.exe module_fr_fire_driver_wrf.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_fr_fire_driver_wrf.f90
rm -f module_fr_fire_driver_wrf.G module_fr_fire_driver_wrf.bb
time mpi90 -f90=gfortran -o module_fr_fire_driver_wrf.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_fr_fire_driver_wrf.f90
0.38user 0.04system 0:00.43elapsed 100%CPU (0avgtext+0avgdata 26556maxresident)k
0inputs+6272outputs (0major+21083minor)pagefaults 0swaps
rm -f module_cu_camzm_driver.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_cu_camzm_driver.F > module_cu_camzm_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cu_camzm_driver.G > module_cu_camzm_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cu_camzm_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cu_camzm_driver.f90
rm -f module_cu_camzm_driver.G module_cu_camzm_driver.bb
time mpi90 -f90=gfortran -o module_cu_camzm_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cu_camzm_driver.f90
1.35user 0.08system 0:01.43elapsed 99%CPU (0avgtext+0avgdata 74776maxresident)k
0inputs+5120outputs (0major+35283minor)pagefaults 0swaps
rm -f module_cumulus_driver.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_cumulus_driver.F > module_cumulus_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_cumulus_driver.G > module_cumulus_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_cumulus_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_cumulus_driver.f90
rm -f module_cumulus_driver.G module_cumulus_driver.bb
time mpi90 -f90=gfortran -o module_cumulus_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -
/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_cumulus_driver.f90
2.74user 0.10system 0:02.86elapsed 99%CPU (0avgtext+0avgdata 56952maxresident)k
0inputs+2144outputs (0major+29008minor)pagefaults 0swaps
42.87user 0.39system 0:43.29elapsed 99%CPU (0avgtext+0avgdata 430752maxresident)k
0inputs+4296outputs (0major+181478minor)pagefaults 0swaps
rm -f module_shcu_camuwsheu_driver.o
rm -f module_physics_init.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_shcu_camuwsheu_driver.F > module_shcu_camuwsheu_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_physics_init.F > module_physics_init.bb
/U01/Build_WRF/WRF/tools/standard.exe module_shcu_camuwsheu_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_shcu_camuwsheu_driver.f90
/U01/Build_WRF/WRF/tools/standard.exe module_physics_init.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_physics_init.f90
rm -f module_shcu_camuwsheu_driver.G module_shcu_camuwsheu_driver.bb
time mpi90 -f90=gfortran -o module_shcu_camuwsheu_driver.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -
I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_shcu_camuwsheu_driver.f90
rm -f module_physics_init.b module_physics_init.bb
time mpi90 -f90=gfortran -o -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecorder-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_physics_init.f90
0.28user 0.03system 0:00.32elapsed 100%CPU (0avgtext+0avgdata 23652maxresident)k
0inputs+200outputs (0major+20420minor)pagefaults 0swaps
rm -f module_shallowcu_driver.o
sed -e "s/\\.\*/.*/" -e "s/\\.\*/.*/" module_shallowcu_driver.F > module_shallowcu_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
```

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DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_shallowcu_driver.G > module_shallowcu_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_shallowcu_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_shallowcu_driver.f90
rm -f module_shallowcu_driver.G module_shallowcu_driver.bb
time mpi90 -f90=gfortran -o module_shallowcu_driver.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_shallowcu_driver.f90
0.28user 0.04system 0:00.32elapsed 100%CPU (0avgtext+0avgdata 23052maxresident)k
0inputs+184outputs (0major+19841minor)pagefaults 0swaps
2.12user 0.13system 0:02.27elapsed 99%CPU (0avgtext+0avgdata 112112maxresident)k
472inputs+6464outputs (0major+41696minor)pagefaults 0swaps
make[3]: se sale del directorio '/U01/Build_WRF/WRF/phys'
make[2]: se sale del directorio '/U01/Build_WRF/WRF/phys'
make[1]: se sale del directorio '/home/jfruizm/Build_WRF/WRF'
if [ 0 -eq 1 ] ; then make -i -r MODULE_DIRS="-I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -
I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -
I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include " chemics ; fi
if [ 1 -eq 1 ] ; then make -i -r MODULE_DIRS="-I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -
I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -
I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include " em_core ; fi
make[1]: se ingresa al directorio '/home/jfruizm/Build_WRF/WRF'
-----
if [ 0 -eq 0 ] ; then \
CF= ; \
else \
CF="./chem/module_aerosols_sorgamo ../chem/module_gocart_aerosols.o ../chem/module_mosaic_driver.o ../chem/module_input_tracer.o ../chem/module_aerosols_so_a_vbs.o" ; \
fi
( cd dyn_em ; make -i -r -j 2 CF="" )
make[2]: se ingresa al directorio '/U01/Build_WRF/WRF/dyn_em'
rm -f module_advect_em.o
rm -f module_big_step_utilities_em.o
sed -e "s/^\s*!.*!.*!/" -e "s/^\s*!.*!.*!/" module_advect_em.F > module_advect_em.G
sed -e "s/^\s*!.*!.*!/" -e "s/^\s*!.*!.*!/" module_big_step_utilities_em.F > module_big_step_utilities_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_big_step_utilities_em.G > module_big_step_utilities_em.bb
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_advect_em.G > module_advect_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_big_step_utilities_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_big_step_utilities_em.f90
/U01/Build_WRF/WRF/tools/standard.exe module_advect_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_advect_em.f90
rm -f module_big_step_utilities_em.G module_big_step_utilities_em.bb
time mpi90 -f90=gfortran -o module_big_step_utilities_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_big_step_utilities_em.f90
rm -f module_advect_em.G module_advect_em.bb
time mpi90 -f90=gfortran -o module_advect_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_advect_em.f90
12.27user 0.26system 0:12.54elapsed 99%CPU (0avgtext+0avgdata 346844maxresident)k
0inputs+6456outputs (0major+113752minor)pagefaults 0swaps
rm -f module_small_step_em.o
sed -e "s/^\s*!.*!.*!/" -e "s/^\s*!.*!.*!/" module_small_step_em.F > module_small_step_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_small_step_em.G > module_small_step_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_small_step_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_small_step_em.f90
rm -f module_small_step_em.G module_small_step_em.bb
time mpi90 -f90=gfortran -o module_small_step_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_small_step_em.f90
4.05user 0.11system 0:04.17elapsed 100%CPU (0avgtext+0avgdata 117112maxresident)k
0inputs+4096outputs (0major+45654minor)pagefaults 0swaps
rm -f module_damping_em.o
sed -e "s/^\s*!.*!.*!/" -e "s/^\s*!.*!.*!/" module_damping_em.F > module_damping_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_damping_em.G > module_damping_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_damping_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_damping_em.f90
rm -f module_damping_em.G module_damping_em.bb
time mpi90 -f90=gfortran -o module_damping_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_damping_em.f90
0.07user 0.03system 0:00.11elapsed 96%CPU (0avgtext+0avgdata 145112maxresident)k
0inputs+64outputs (0major+17821minor)pagefaults 0swaps
rm -f module_solvedebug_em.o
sed -e "s/^\s*!.*!.*!/" -e "s/^\s*!.*!.*!/" module_solvedebug_em.F > module_solvedebug_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFLPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRFL USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_solvedebug_em.G > module_solvedebug_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_solvedebug_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_solvedebug_em.f90
rm -f module_solvedebug_em.G module_solvedebug_em.bb
time mpi90 -f90=gfortran -o module_solvedebug_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf time f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_solvedebug_em.f90
0.24user 0.04system 0:00.28elapsed 100%CPU (0avgtext+0avgdata 20728maxresident)k
0inputs+184outputs (0major+19647minor)pagefaults 0swaps

```

```

rm -f module_bc_em.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_bc_em.F > module_bc_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_bc_em.G > module_bc_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_bc_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_bc_em.f90
rm -f module_bc_em.G module_bc_em.bb
time mpi90 -f90=gfortran -o module_bc_em.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_bc_em.f90
2.01user 0.08system 0:02.10elapsed 99%CPU (0avgtext+0avgdata 78388maxresident)k
0inputs+1952outputs (0major+35689minor)pagefaults 0swaps
rm -f module_init_utilities.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_init_utilities.F > module_init_utilities.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_init_utilities.G > module_init_utilities.bb
/U01/Build_WRF/WRF/tools/standard.exe module_init_utilities.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_init_utilities.f90
rm -f module_init_utilities.G module_init_utilities.bb
time mpi90 -f90=gfortran -o module_init_utilities.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_init_utilities.f90
0.04user 0.03system 0:00.06elapsed 101%CPU (0avgtext+0avgdata 12328maxresident)k
0inputs+240outputs (0major+17171minor)pagefaults 0swaps
rm -f module_wps_io_arw.o
/U01/Build_WRF/WRF/tools/standard.exe module_wps_io_arw.F > module_wps_io_arw.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_wps_io_arw.b > module_wps_io_arw.f90
rm -f module_wps_io_arw.b
if fgrep -iq '$OMP' module_wps_io_arw.f90 ; then \
    if [ -n "" ] ; then echo COMPILING module_wps_io_arw.F WITH OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_wps_io_arw.f90 ; \
    else \
    if [ -n "" ] ; then echo COMPILING module_wps_io_arw.F WITHOUT OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
module_wps_io_arw.f90 ; \
fi
real 0m1.487s
user 0m1.389s
sys 0m0.088s
rm -f module_polarfft.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_polarfft.F > module_polarfft.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_polarfft.G > module_polarfft.bb
/U01/Build_WRF/WRF/tools/standard.exe module_polarfft.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_polarfft.f90
rm -f module_polarfft.G module_polarfft.bb
time mpi90 -f90=gfortran -o module_polarfft.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_polarfft.f90
1.52user 0.06system 0:01.58elapsed 100%CPU (0avgtext+0avgdata 53824maxresident)k
0inputs+2288outputs (0major+28930minor)pagefaults 0swaps
rm -f module_force_scm.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_force_scm.F > module_force_scm.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_force_scm.G > module_force_scm.bb
/U01/Build_WRF/WRF/tools/standard.exe module_force_scm.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_force_scm.f90
rm -f module_force_scm.G module_force_scm.bb
time mpi90 -f90=gfortran -o module_force_scm.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_force_scm.f90
2.54user 0.10system 0:02.66elapsed 99%CPU (0avgtext+0avgdata 104020maxresident)k
0inputs+904outputs (0major+48029minor)pagefaults 0swaps
rm -f module_convtrans_prep.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_convtrans_prep.F > module_convtrans_prep.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_convtrans_prep.G > module_convtrans_prep.bb
/U01/Build_WRF/WRF/tools/standard.exe module_convtrans_prep.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_convtrans_prep.f90
rm -f module_convtrans_prep.G module_convtrans_prep.bb
time mpi90 -f90=gfortran -o module_convtrans_prep.o -c -O2 -ftee-vectorize -funroll-loops -w -ftee-form -ftee-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_convtrans_prep.f90
0.40user 0.04system 0:00.45elapsed 100%CPU (0avgtext+0avgdata 29376maxresident)k
0inputs+216outputs (0major+22498minor)pagefaults 0swaps
rm -f module_stoch.o
sed -e 's/^\s*$/\s*/' -e 's/^\s*$/\s*/' module_stoch.F > module_stoch.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZ=4 -DDWORDSIZ=8 -
DRWORDSIZ=4 -DLWORDSIZ=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -

```

```

DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_stoch.G > module_stoch.bb
/U01/Build_WRF/WRF/tools/standard.exe module_stoch.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_stoch.f90
rm -f module_stoch.G module_stoch.bb
time mpi90 -f90=gfortran -o module_stoch.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_stoch.f90
1.87user 0.06system 0:01.93elapsed 99%CPU (0avgtext+0avgdata 60736maxresident)k
0inputs+5000outputs (0major+30296minor)pagefaults 0swaps
rm -f module_sfs_nba.o
sed -e "s/^\\!.*/!/" -e "s/^.*!.*!*/" module_sfs_nba.F > module_sfs_nba.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sfs_nba.G > module_sfs_nba.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sfs_nba.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sfs_nba.f90
rm -f module_sfs_nba.G module_sfs_nba.bb
time mpi90 -f90=gfortran -o module_sfs_nba.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sfs_nba.f90
1.40user 0.06system 0:01.46elapsed 100%CPU (0avgtext+0avgdata 58848maxresident)k
0inputs+1296outputs (0major+29638minor)pagefaults 0swaps
rm -f module_avgflx_em.o
sed -e "s/^\\!.*/!/" -e "s/^.*!.*!*/" module_avgflx_em.F > module_avgflx_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_avgflx_em.G > module_avgflx_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_avgflx_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_avgflx_em.f90
rm -f module_avgflx_em.G module_avgflx_em.bb
time mpi90 -f90=gfortran -o module_avgflx_em.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_avgflx_em.f90
0.38user 0.04system 0:00.43elapsed 99%CPU (0avgtext+0avgdata 23232maxresident)k
0inputs+2624outputs (0major+19931minor)pagefaults 0swaps
rm -f module_after_all_rk_steps.o
sed -e "s/^\\!.*/!/" -e "s/^.*!.*!*/" module_after_all_rk_steps.F > module_after_all_rk_steps.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_after_all_rk_steps.G > module_after_all_rk_steps.bb
/U01/Build_WRF/WRF/tools/standard.exe module_after_all_rk_steps.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_after_all_rk_steps.f90
rm -f module_after_all_rk_steps.G module_after_all_rk_steps.bb
time mpi90 -f90=gfortran -o module_after_all_rk_steps.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_after_all_rk_steps.f90
2.30user 0.14system 0:02.45elapsed 99%CPU (0avgtext+0avgdata 120944maxresident)k
0inputs+2056outputs (0major+45274minor)pagefaults 0swaps
rm -f init_modules_em.o
/U01/Build_WRF/WRF/tools/standard.exe init_modules_em.F > init_modules_em.b
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp init_modules_em.b > init_modules_em.f90
rm -f init_modules_em.b
if fgrep -iq "SOMP" init_modules_em.f90 ; then \
    if [ -n "" ] ; then echo COMPILING init_modules_em.F WITH OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
init_modules_em.f90 ; \
    else \
    if [ -n "" ] ; then echo COMPILING init_modules_em.F WITHOUT OMP ; fi ; \
    time mpi90 -f90=gfortran -c -O0 -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -
I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -
I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include
init_modules_em.f90 ; \
fi
real 0m0.047s
user 0m0.018s
sys 0m0.030s
rm -f start_em.o
sed -e "s/^\\!.*/!/" -e "s/^.*!.*!*/" start_em.F > start_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp start_em.G > start_em.bb
/U01/Build_WRF/WRF/tools/standard.exe start_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > start_em.f90
rm -f start_em.G start_em.bb
time mpi90 -f90=gfortran -o start_em.o -c -O2 -ftee-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrflad -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include start_em.f90
34.49user 0.36system 0:34.86elapsed 99%CPU (0avgtext+0avgdata 446596maxresident)k
0inputs+13240outputs (0major+148979minor)pagefaults 0swaps
rm -f shift_domain_em.o
sed -e "s/^\\!.*/!/" -e "s/^.*!.*!*/" shift_domain_em.F > shift_domain_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp shift_domain_em.G > shift_domain_em.bb
/U01/Build_WRF/WRF/tools/standard.exe shift_domain_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > shift_domain_em.f90
rm -f shift_domain_em.G shift_domain_em.bb

```



```
time mpi90 -f90=gfortran -o shift_domain_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include shift_domain_em.f90
4.90user 0.17system 0:05.09elapsed 99%CPU (0avgtext+0avgdata 128728maxresident)k
0inputs+160outputs (0major+47016minor)pagefaults 0swaps
rm -f couple_or_uncouple_em.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" couple_or_uncouple_em.F > couple_or_uncouple_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp couple_or_uncouple_em.G > couple_or_uncouple_em.bb
/U01/Build_WRF/WRF/tools/standard.exe couple_or_uncouple_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > couple_or_uncouple_em.f90
rm -f couple_or_uncouple_em.G couple_or_uncouple_em.bb
time mpi90 -f90=gfortran -o couple_or_uncouple_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include couple_or_uncouple_em.f90
10.15user 0.23system 0:10.38elapsed 99%CPU (0avgtext+0avgdata 198784maxresident)k
0inputs+1800outputs (0major+66665minor)pagefaults 0swaps
rm -f nest_init_utils.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" nest_init_utils.F > nest_init_utils.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp nest_init_utils.G > nest_init_utils.bb
/U01/Build_WRF/WRF/tools/standard.exe nest_init_utils.bb | /lib/cpp -P -nostdinc -traditional-cpp > nest_init_utils.f90
rm -f nest_init_utils.G nest_init_utils.bb
time mpi90 -f90=gfortran -o nest_init_utils.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include nest_init_utils.f90
3.70user 0.20system 0:03.93elapsed 99%CPU (0avgtext+0avgdata 124152maxresident)k
0inputs+592outputs (0major+61352minor)pagefaults 0swaps
rm -f adapt_timestep_em.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" adapt_timestep_em.F > adapt_timestep_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp adapt_timestep_em.G > adapt_timestep_em.bb
/U01/Build_WRF/WRF/tools/standard.exe adapt_timestep_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > adapt_timestep_em.f90
rm -f adapt_timestep_em.G adapt_timestep_em.bb
time mpi90 -f90=gfortran -o adapt_timestep_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include adapt_timestep_em.f90
0.70user 0.06system 0:00.76elapsed 100%CPU (0avgtext+0avgdata 42988maxresident)k
0inputs+880outputs (0major+24968minor)pagefaults 0swaps
rm -f interp_domain_em.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" interp_domain_em.F > interp_domain_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp interp_domain_em.G > interp_domain_em.bb
/U01/Build_WRF/WRF/tools/standard.exe interp_domain_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > interp_domain_em.f90
rm -f interp_domain_em.G interp_domain_em.bb
time mpi90 -f90=gfortran -o interp_domain_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include interp_domain_em.f90
0.02user 0.02system 0:00.05elapsed 96%CPU (0avgtext+0avgdata 8964maxresident)k
0inputs+160outputs (0major+16309minor)pagefaults 0swaps
rm -f module_diffusion_em.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" module_diffusion_em.F > module_diffusion_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_diffusion_em.G > module_diffusion_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_diffusion_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_diffusion_em.f90
rm -f module_diffusion_em.G module_diffusion_em.bb
time mpi90 -f90=gfortran -o module_diffusion_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_diffusion_em.f90
4.05user 0.20system 0:04.27elapsed 99%CPU (0avgtext+0avgdata 156104maxresident)k
0inputs+5840outputs (0major+59696minor)pagefaults 0swaps
rm -f module_em.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" module_em.F > module_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_em.G > module_em.bb
/U01/Build_WRF/WRF/tools/standard.exe module_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_em.f90
rm -f module_em.G module_em.bb
time mpi90 -f90=gfortran -o module_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -l./dyn_em -l./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_em.f90
2.72user 0.12system 0:02.84elapsed 99%CPU (0avgtext+0avgdata 91196maxresident)k
0inputs+88480outputs (0major+38839minor)pagefaults 0swaps
rm -f module_sfs_driver.o
sed -e "s/^\s*.*//m" -e "s/^\s*!.*.*//m" module_sfs_driver.F > module_sfs_driver.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD SYSTEM SUBR -DWRF USE_CLM -DNO IEEE MODULE -DDM PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrffmodel -
DGRIB1 -DINTIO -DKEEP_INT AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_sfs_driver.G > module_sfs_driver.bb
/U01/Build_WRF/WRF/tools/standard.exe module_sfs_driver.bb | /lib/cpp -P -nostdinc -traditional-cpp > module_sfs_driver.f90
rm -f module_sfs_driver.G module_sfs_driver.bb
```

```
time mpi90 -f90=gfortran -o module_sfs_driver.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_sfs_driver.f90
2.74user 0.14system 0:02.89elapsed 99%CPU (0avgtext+0avgdata 134832maxresident)k
0inputs+2160outputs (0major+47837minor)pagefaults 0swaps
rm -f module_first_rk_step_part1.o
sed -e "s/^\s*//m" -e "s/^\s*//m" module_first_rk_step_part1.F > module_first_rk_step_part1.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_first_rk_step_part1.G > module_first_rk_step_part1.bb
/U01/Build_WRF/WRF/tools/standard.exe module_first_rk_step_part1.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_first_rk_step_part1.f90
rm -f module_first_rk_step_part1.G module_first_rk_step_part1.bb
time mpi90 -f90=gfortran -o module_first_rk_step_part1.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_first_rk_step_part1.f90
11.91user 0.27system 0:12.20elapsed 99%CPU (0avgtext+0avgdata 353944maxresident)k
0inputs+6016outputs (0major+114041minor)pagefaults 0swaps
rm -f module_first_rk_step_part2.o
sed -e "s/^\s*//m" -e "s/^\s*//m" module_first_rk_step_part2.F > module_first_rk_step_part2.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp module_first_rk_step_part2.G > module_first_rk_step_part2.bb
/U01/Build_WRF/WRF/tools/standard.exe module_first_rk_step_part2.bb |/lib/cpp -P -nostdinc -traditional-cpp > module_first_rk_step_part2.f90
rm -f module_first_rk_step_part2.G module_first_rk_step_part2.bb
time mpi90 -f90=gfortran -o module_first_rk_step_part2.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include module_first_rk_step_part2.f90
7.63user 0.25system 0:07.88elapsed 99%CPU (0avgtext+0avgdata 145196maxresident)k
0inputs+3776outputs (0major+91132minor)pagefaults 0swaps
3.43user 0.16system 0:03.59elapsed 99%CPU (0avgtext+0avgdata 128196maxresident)k
0inputs+2600outputs (0major+54444minor)pagefaults 0swaps
rm -f solve_em.o
sed -e "s/^\s*//m" -e "s/^\s*//m" solve_em.F > solve_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp solve_em.G > solve_em.bb
/U01/Build_WRF/WRF/tools/standard.exe solve_em.bb |/lib/cpp -P -nostdinc -traditional-cpp > solve_em.f90
rm -f solve_em.G solve_em.bb
time mpi90 -f90=gfortran -o solve_em.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include solve_em.f90
8.75user 0.20system 0:08.96elapsed 99%CPU (0avgtext+0avgdata 201876maxresident)k
0inputs+2400outputs (0major+65578minor)pagefaults 0swaps
ar ru ./main/libwrflib.a module_advect_em.o module_diffusion_em.o module_small_step_utilities_em.o module_solvedebug_em.o module_bc_em.o
module_init_utilities.o module_wps_io_aws.o module_damping_em.o module_polarfft.o module_force_scm.o module_first_rk_step_part1.o module_first_rk_step_part2.o module_avgflx_em.o
module_sfs_nba.o module_convtrans_prep.o module_sfs_driver.o module_stoch.o module_after_all_rk_steps.o init_modules_em.o solve_em.o start_em.o shift_domain_em.o couple_or_uncouple_em.o
nest_init_utils.o adapt_timestep_em.o interp_domain_em.o
make[2]: se sale del directorio /U01/Build_WRF/WRF/dyn_em'
make[1]: se sale del directorio /home/jfruizm/Build_WRF/WRF'
if [ 0 -eq 1 ] ; then make -i -r MODULE_DIRS="./I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -
I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/chem -
I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" nmm_core ; fi
if [ 0 -eq 1 ] ; then make -i -r MODULE_DIRS="./I./dyn_em -I./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -
I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -
I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include" wrf_hydro ; fi
( cd main ; make -i -r RFLFLAGS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS="" MODULE_DIRS=""
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -
I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -
I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include " SOLVER=em em wrf )
make[1]: se ingresa al directorio /U01/Build_WRF/WRF/main'
rm -f ./main/module_wrf_top.o
sed -e "s/^\s*//m" -e "s/^\s*//m" ./main/module_wrf_top.F > ./main/module_wrf_top.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp ./main/module_wrf_top.G > ./main/module_wrf_top.bb
/U01/Build_WRF/WRF/tools/standard.exe ./main/module_wrf_top.bb |/lib/cpp -P -nostdinc -traditional-cpp > ./main/module_wrf_top.f90
rm -f ./main/module_wrf_top.G ./main/module_wrf_top.bb
time mpi90 -f90=gfortran -o ./main/module_wrf_top.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include ./main/module_wrf_top.f90
1.00user 0.06system 0:01.06elapsed 100%CPU (0avgtext+0avgdata 40900maxresident)k
0inputs+7624outputs (0major+24728minor)pagefaults 0swaps
rm -f wrf.o
sed -e "s/^\s*//m" -e "s/^\s*//m" wrf.F > wrf.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM CORE=1 -DNMM CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRF_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrfmodel -
DGRIB1 -DINTIO -DKEEP_INT_AROUND -DLIMIT_ARGS -DBUILD_RRTMG_FAST=1 -DCONFIG_BUF_LEN=65536 -DMAX_DOMAINS_F=21 -DMAX_HISTORY=25 -DNMM_NEST=0 -I. -
traditional-cpp wrf.G > wrf.bb
/U01/Build_WRF/WRF/tools/standard.exe wrf.bb |/lib/cpp -P -nostdinc -traditional-cpp > wrf.f90
rm -f wrf.G wrf.bb
time mpi90 -f90=gfortran -o wrf.o -c -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -I./dyn_em -I./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrftladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include wrf.f90
0.07user 0.03system 0:00.11elapsed 100%CPU (0avgtext+0avgdata 10812maxresident)k
0inputs+160outputs (0major+16746minor)pagefaults 0swaps
ranlib libwrflib.a
time mpi90 -f90=gfortran -o wrf.exe -O2 -ffree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 wrf.o ./main/module_wrf_top.o libwrflib.a
/U01/Build_WRF/WRF/external/ftpack5/libftpack.a /U01/Build_WRF/WRF/external/io_grib1/libio_grib1.a /U01/Build_WRF/WRF/external/io_grib_share/libio_grib_share.a
/U01/Build_WRF/WRF/external/io_int/libwrf_int.a -L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time /U01/Build_WRF/WRF/external/RSL_LITE/librsl_lite.a
```

```
/U01/Build_WRF/WRF/frame/module_internal_header_util.o /U01/Build_WRF/WRF/frame/pack_utils.o -L/U01/Build_WRF/WRF/external/io_netcdf -lwrflib -lhome/jfruizm/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf
0.52user 0.18system 0:00.79elapsed 88%CPU (0avgtext+0avgdata 133176maxresident)k
7856inputs+97568outputs (0major+48165minor)pagefaults 0swaps
make[1]: se sale del directorio '/U01/Build_WRF/WRF/main'
(cd run ; /bin/rm -f wrf.exe ; ln -s ../main/wrf.exe .)
if [ 0 -eq 1 ] ; then \
( cd main ; make -i -r RLFLAGS="" MODULE_DIRS="" -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -
I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -
I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include " SOLVER=em em_wrf_SST_ESMF ) ; \
fi
build started: jue mar 21 13:51:35 -05 2019
build completed: jue mar 21 14:02:52 -05 2019
-----
( cd main ; make -i -r RLFLAGS="" MODULE_DIRS="" -L./dyn_em -L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -
I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -
I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include " SOLVER=em IDEAL_CASE=real em_real )
make[1]: se ingresa al directorio '/U01/Build_WRF/WRF/main'
rm -f ./dyn_em/module_initialize_real.o
sed -e 's/^\s*//m' -e 's/^\s*//m' ./dyn_em/module_initialize_real.F > ./dyn_em/module_initialize_real.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -
traditional-cpp ./dyn_em/module_initialize_real.G > ./dyn_em/module_initialize_real.bb
/U01/Build_WRF/WRF/tools/standard.exe ./dyn_em/module_initialize_real.bb | /lib/cpp -P -nostdinc -traditional-cpp > ./dyn_em/module_initialize_real.f90
rm -f ./dyn_em/module_initialize_real.o ./dyn_em/module_initialize_real.bb
time mpiF90 -f90=gfortran -o ./dyn_em/module_initialize_real.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -
L./dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -
I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include ./dyn_em/module_initialize_real.f90
15.21user 0.29system 0:15.51elapsed 100%CPU (0avgtext+0avgdata 298424maxresident)k
0inputs+12800outputs (0major+90268minor)pagefaults 0swaps
rm -f ndown_em.o
sed -e 's/^\s*//m' -e 's/^\s*//m' ndown_em.F > ndown_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -
traditional-cpp ndown_em.G > ndown_em.bb
/U01/Build_WRF/WRF/tools/standard.exe ndown_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > ndown_em.f90
rm -f ndown_em.o ndown_em.bb
time mpiF90 -f90=gfortran -o ndown_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include ndown_em.f90
10.28user 0.29system 0:10.58elapsed 100%CPU (0avgtext+0avgdata 311780maxresident)k
0inputs+1992outputs (0major+99593minor)pagefaults 0swaps
rm -f tc_em.o
sed -e 's/^\s*//m' -e 's/^\s*//m' tc_em.F > tc_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -
traditional-cpp tc_em.G > tc_em.bb
/U01/Build_WRF/WRF/tools/standard.exe tc_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > tc_em.f90
rm -f tc_em.o tc_em.bb
time mpiF90 -f90=gfortran -o tc_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include tc_em.f90
8.00user 0.24system 0:08.24elapsed 100%CPU (0avgtext+0avgdata 239124maxresident)k
0inputs+2064outputs (0major+80723minor)pagefaults 0swaps
rm -f real_em.o
sed -e 's/^\s*//m' -e 's/^\s*//m' real_em.F > real_em.G
/lib/cpp -P -nostdinc -I/U01/Build_WRF/WRF/inc -DEM_CORE=1 -DNMM_CORE=0 -DNMM_MAX_DIM=2600 -DDA_CORE=0 -DWRFPPLUS=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -
DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD_SYSTEM_SUBR -DWRFP_USE_CLM -DNO_IEEE_MODULE -DDM_PARALLEL -DNETCDF -DUSE_ALLOCATABLES -Dwrflmodel -
DGRIB1 -DINTIO -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -DKEEP_INT -
traditional-cpp real_em.G > real_em.bb
/U01/Build_WRF/WRF/tools/standard.exe real_em.bb | /lib/cpp -P -nostdinc -traditional-cpp > real_em.f90
rm -f real_em.o real_em.bb
time mpiF90 -f90=gfortran -o real_em.o -c -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 -L./dyn_em -L./dyn_nmm -
I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -
I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -I/U01/Build_WRF/WRF/wrfladaj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -
I/home/jfruizm/Build_WRF/LIBRARIES/netcdf/include real_em.f90
4.09user 0.13system 0:04.22elapsed 100%CPU (0avgtext+0avgdata 86604maxresident)k
0inputs+824outputs (0major+36686minor)pagefaults 0swaps
ranlib libwrflib.a
time mpiF90 -f90=gfortran -o ndown.exe -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4
ndown_em.o ./dyn_em/module_initialize_real.o libwrflib.a /U01/Build_WRF/WRF/external/ftpack/ftpack5/libftpack.a /U01/Build_WRF/WRF/external/io_grib1/libio_grib1.a
/U01/Build_WRF/WRF/external/io_grib_share/libio_grib_share.a /U01/Build_WRF/WRF/external/io_int/libwrflib_int.a -L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time
/U01/Build_WRF/WRF/external/RSL_LITE/librsl_lite.a /U01/Build_WRF/WRF/frame/module_internal_header_util.o /U01/Build_WRF/WRF/frame/pack_utils.o -
L/U01/Build_WRF/WRF/external/io_netcdf -lwrflib -lhome/jfruizm/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf
0.43user 0.16system 0:00.59elapsed 100%CPU (0avgtext+0avgdata 122972maxresident)k
0inputs+88944outputs (0major+45641minor)pagefaults 0swaps
time mpiF90 -f90=gfortran -o tc.exe -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 tc_em.o ./dyn_em/module_initialize_real.o
libwrflib.a /U01/Build_WRF/WRF/external/ftpack/ftpack5/libftpack.a /U01/Build_WRF/WRF/external/io_grib1/libio_grib1.a /U01/Build_WRF/WRF/external/io_grib_share/libio_grib_share.a
/U01/Build_WRF/WRF/external/io_int/libwrflib_int.a -L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time /U01/Build_WRF/WRF/external/RSL_LITE/librsl_lite.a
/U01/Build_WRF/WRF/frame/module_internal_header_util.o /U01/Build_WRF/WRF/frame/pack_utils.o /U01/Build_WRF/WRF/external/io_netcdf -lwrflib -lhome/jfruizm/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf
0.45user 0.15system 0:00.59elapsed 100%CPU (0avgtext+0avgdata 121316maxresident)k
0inputs+87688outputs (0major+45243minor)pagefaults 0swaps
time mpiF90 -f90=gfortran -o real.exe -O2 -f3ree-vectorize -funroll-loops -w -ffree-form -ffree-line-length-none -fconvert=big-endian -frecord-marker=4 real_em.o ./dyn_em/module_initialize_real.o
libwrflib.a /U01/Build_WRF/WRF/external/ftpack/ftpack5/libftpack.a /U01/Build_WRF/WRF/external/io_grib1/libio_grib1.a /U01/Build_WRF/WRF/external/io_grib_share/libio_grib_share.a
/U01/Build_WRF/WRF/external/io_int/libwrflib_int.a -L/U01/Build_WRF/WRF/external/esmf_time_f90 -lesmf_time /U01/Build_WRF/WRF/external/RSL_LITE/librsl_lite.a
/U01/Build_WRF/WRF/frame/module_internal_header_util.o /U01/Build_WRF/WRF/frame/pack_utils.o /U01/Build_WRF/WRF/external/io_netcdf -lwrflib -lhome/jfruizm/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf
0.44user 0.17system 0:00.61elapsed 100%CPU (0avgtext+0avgdata 122496maxresident)k
0inputs+88648outputs (0major+45526minor)pagefaults 0swaps
make[1]: se sale del directorio '/U01/Build_WRF/WRF/main'
(cd test/em_real ; /bin/rm -f wrf.exe ; ln -s ../main/wrf.exe .)
```

```

if [ 0 -eq 1 ]; then \
( cd main ; make -i -r RLFLAGS="" MODULE_DIRS="-I../dyn_em -I../dyn_nmm -I/U01/Build_WRF/WRF/external/esmf_time_f90 -I/U01/Build_WRF/WRF/main -
I/U01/Build_WRF/WRF/external/io_netcdf -I/U01/Build_WRF/WRF/external/io_int -I/U01/Build_WRF/WRF/frame -I/U01/Build_WRF/WRF/share -I/U01/Build_WRF/WRF/phys -
I/U01/Build_WRF/WRF/wrf/fladj -I/U01/Build_WRF/WRF/chem -I/U01/Build_WRF/WRF/inc -I/home/jfruzim/Build_WRF/LIBRARIES/netcdf/include " SOLVER=em IDEAL_CASE=real
em_wrf_SST_ESMF ); \
( cd test/em_esmf_exp ; /bin/rm -f wrf.exe ; ln -s ../main/wrf.exe . ); \
( cd test/em_esmf_exp ; /bin/rm -f wrf_SST_ESMF.exe ; ln -s ../main/wrf_SST_ESMF.exe . ); \
( cd test/em_esmf_exp ; /bin/rm -f real.exe ; ln -s ../main/real.exe . ); \
( cd test/em_esmf_exp ; /bin/rm -f README.namelist ; ln -s ../run/README.namelist . ); \
( cd test/em_esmf_exp ; /bin/rm -f ETAMPNEW_DATA.expanded_rain ETAMPNEW_DATA_RRTM_DATA_RRTMG_LW_DATA_RRTMG_SW_DATA ; \
ln -sf ../run/ETAMPNEW_DATA . ; \
ln -sf ../run/ETAMPNEW_DATA.expanded_rain . ; \
ln -sf ../run/RRTM_DATA . ; \
ln -sf ../run/RRTMG_LW_DATA . ; \
ln -sf ../run/RRTMG_SW_DATA . ; \
ln -sf ../run/CAM_ABS_DATA . ; \
ln -sf ../run/CAM_AEROPT_DATA . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP4.5 . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP6 . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP8.5 CAMtr_volume_mixing_ratio ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.A1B . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.A2 . ; \
ln -sf ../run/CLM_ALB_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_ALB_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_ASM_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_ASM_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_DRDSDT0_DATA . ; \
ln -sf ../run/CLM_EXT_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_EXT_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_KAPPA_DATA . ; \
ln -sf ../run/CLM_TAU_DATA . ; \
ln -sf ../run/ozone.formatted . ; \
ln -sf ../run/ozone_lat.formatted . ; \
ln -sf ../run/ozone_plev.formatted . ; \
ln -sf ../run/aerosol.formatted . ; \
ln -sf ../run/aerosol_lat.formatted . ; \
ln -sf ../run/aerosol_lon.formatted . ; \
ln -sf ../run/aerosol_plev.formatted . ; \
ln -sf ../run/CCN_ACTIVATE.BIN . ; \
ln -sf ../run/p3_lookup_table_1.dat-v2.8.2 . ; \
ln -sf ../run/p3_lookup_table_2.dat-v2.8.2 . ; \
if [ 4 -eq 8 ]; then \
ln -sf ../run/ETAMPNEW_DATA_DBL ETAMPNEW_DATA ; \
ln -sf ../run/ETAMPNEW_DATA.expanded_rain_DBL ETAMPNEW_DATA.expanded_rain ; \
ln -sf ../run/RRTM_DATA_DBL RRTM_DATA . ; \
ln -sf ../run/RRTMG_LW_DATA_DBL RRTMG_LW_DATA . ; \
ln -sf ../run/RRTMG_SW_DATA_DBL RRTMG_SW_DATA . ; \
fi ) \
( cd test/em_esmf_exp ; /bin/rm -f GENPARAM.TBL ; ln -s ../run/GENPARAM.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f LANDUSE.TBL ; ln -s ../run/LANDUSE.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f SOILPARAM.TBL ; ln -s ../run/SOILPARAM.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f URBPARAM.TBL ; ln -s ../run/URBPARAM.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f VEGPARAM.TBL ; ln -s ../run/VEGPARAM.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f MPTABLE.TBL ; ln -s ../run/MPTABLE.TBL . ); \
( cd test/em_esmf_exp ; /bin/rm -f tr49t67 ; ln -s ../run/tr49t67 . ); \
( cd test/em_esmf_exp ; /bin/rm -f tr49t85 ; ln -s ../run/tr49t85 . ); \
( cd test/em_esmf_exp ; /bin/rm -f tr67t85 ; ln -s ../run/tr67t85 . ); \
( cd test/em_esmf_exp ; /bin/rm -f gribmap.txt ; ln -s ../run/gribmap.txt . ); \
( cd test/em_esmf_exp ; /bin/rm -f grib2map.tbl ; ln -s ../run/grib2map.tbl . ); \
fi
( cd test/em_real ; /bin/rm -f real.exe ; ln -s ../main/real.exe . )
( cd test/em_real ; /bin/rm -f tc.exe ; ln -s ../main/tc.exe . )
( cd test/em_real ; /bin/rm -f ndown.exe ; ln -s ../main/ndown.exe . )
( cd test/em_real ; /bin/rm -f README.namelist ; ln -s ../run/README.namelist . )
( cd test/em_real ; /bin/rm -f ETAMPNEW_DATA.expanded_rain ETAMPNEW_DATA_RRTM_DATA_RRTMG_LW_DATA_RRTMG_SW_DATA ; \
ln -sf ../run/ETAMPNEW_DATA . ; \
ln -sf ../run/ETAMPNEW_DATA.expanded_rain . ; \
ln -sf ../run/RRTM_DATA . ; \
ln -sf ../run/RRTMG_LW_DATA . ; \
ln -sf ../run/RRTMG_SW_DATA . ; \
ln -sf ../run/CAM_ABS_DATA . ; \
ln -sf ../run/CAM_AEROPT_DATA . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP4.5 . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP6 . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.RCP8.5 CAMtr_volume_mixing_ratio ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.A1B . ; \
ln -sf ../run/CAMtr_volume_mixing_ratio.A2 . ; \
ln -sf ../run/CLM_ALB_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_ALB_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_ASM_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_ASM_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_DRDSDT0_DATA . ; \
ln -sf ../run/CLM_EXT_ICE_DFS_DATA . ; \
ln -sf ../run/CLM_EXT_ICE_DRC_DATA . ; \
ln -sf ../run/CLM_KAPPA_DATA . ; \
ln -sf ../run/CLM_TAU_DATA . ; \
ln -sf ../run/ozone.formatted . ; \
ln -sf ../run/ozone_lat.formatted . ; \
ln -sf ../run/ozone_plev.formatted . ; \
ln -sf ../run/aerosol.formatted . ; \
ln -sf ../run/aerosol_lat.formatted . ; \
ln -sf ../run/aerosol_lon.formatted . ; \
ln -sf ../run/aerosol_plev.formatted . ; \
ln -sf ../run/capacity.asc . ; \
ln -sf ../run/coeff_p.asc . ; \
ln -sf ../run/coeff_q.asc . ; \
ln -sf ../run/constants.asc . ; \
ln -sf ../run/masses.asc . ; \

```

```

ln -sf ../run/termvels.asc ; \
ln -sf ../run/kernels.asc_s_0_03_0_9 ; \
ln -sf ../run/kernels_z.asc ; \
ln -sf ../run/bulkdens.asc_s_0_03_0_9 ; \
ln -sf ../run/bulkradii.asc_s_0_03_0_9 ; \
ln -sf ../run/CCN_ACTIVATE.BIN ; \
ln -sf ../run/p3_lookup_table_1.dat-v2.8.2 ; \
ln -sf ../run/p3_lookup_table_2.dat-v2.8.2 ; \
if [ 4 -eq 8 ] ; then \
ln -sf ../run/ETAMPNEW_DATA_DBL ETAMPNEW_DATA ; \
ln -sf ../run/ETAMPNEW_DATA.expanded_rain_DBL ETAMPNEW_DATA.expanded_rain ; \
ln -sf ../run/RRTM_DATA_DBL RRTM_DATA ; \
ln -sf ../run/RRTMG_LW_DATA_DBL RRTMG_LW_DATA ; \
ln -sf ../run/RRTMG_SW_DATA_DBL RRTMG_SW_DATA ; \
fi )
( cd test/em_real ; /bin/rm -f GENPARM.TBL ; ln -s ../run/GENPARM.TBL . )
( cd test/em_real ; /bin/rm -f LANDUSE.TBL ; ln -s ../run/LANDUSE.TBL . )
( cd test/em_real ; /bin/rm -f SOILPARM.TBL ; ln -s ../run/SOILPARM.TBL . )
( cd test/em_real ; /bin/rm -f URBPARM.TBL ; ln -s ../run/URBPARM.TBL . )
( cd test/em_real ; /bin/rm -f VEGPARM.TBL ; ln -s ../run/VEGPARM.TBL . )
( cd test/em_real ; /bin/rm -f MPTABLE.TBL ; ln -s ../run/MPTABLE.TBL . )
( cd test/em_real ; /bin/rm -f tr49t67 ; ln -s ../run/tr49t67 . )
( cd test/em_real ; /bin/rm -f tr49t85 ; ln -s ../run/tr49t85 . )
( cd test/em_real ; /bin/rm -f tr67t85 ; ln -s ../run/tr67t85 . )
( cd test/em_real ; /bin/rm -f gribmap.txt ; ln -s ../run/gribmap.txt . )
( cd test/em_real ; /bin/rm -f grib2map.tbl ; ln -s ../run/grib2map.tbl . )
( cd run ; /bin/rm -f real.exe ; ln -s ../main/real.exe . )
( cd run ; /bin/rm -f tc.exe ; ln -s ../main/tc.exe . )
( cd run ; /bin/rm -f ndown.exe ; ln -s ../main/ndown.exe . )
( cd run ; if test -f namelist.input ; then \
/bin/cp -f namelist.input namelist.input.backup.`date +%Y-%m-%d_%H_%M_%S` ; fi ; \
/bin/rm -f namelist.input ; cp ../test/em_real/namelist.input . )

```

```

=====
build started: jue mar 21 13:51:35 -05 2019
build completed: jue mar 21 14:03:33 -05 2019

```

```

--> Executables successfully built <--

```

```

-rwxrwxr-x 1 jfruizm jfruizm 45538104 mar 21 14:03 main/ndown.exe
-rwxrwxr-x 1 jfruizm jfruizm 45386448 mar 21 14:03 main/real.exe
-rwxrwxr-x 1 jfruizm jfruizm 44895384 mar 21 14:03 main/tc.exe
-rwxrwxr-x 1 jfruizm jfruizm 49951504 mar 21 14:02 main/wrf.exe

```

Para verificar que la compilación fue exitosa, se buscaron los ejecutables en el directorio principal de WRF:

```
ls -ls main / *. exe
```

```
wrf.exe (modelo ejecutable)
real.exe (inicialización de datos reales)
ndown.exe (anidamiento unidireccional)
tc.exe (para tc bogusing - solo serie)
```

los cuales quedaron vinculados en 2 directorios diferentes:

```
WRF/run
WRF/test/em_real
```

## Configuración y compilación WPS

Una vez que se construyó el modelo WRF, el siguiente paso fue crear el programa WPS, ya que IDEAM pretende ejecutar casos reales y no idealizados. Para tal efecto se obtuvo el código fuente WPS siguiendo desde:

```
wget -c http://www2.mmm.ucar.edu/wrf/src/WPSV4.0.TAR.gz
```

y desde la ubicación /U01/Build\_WRF/ se realizaron los siguientes pasos:

```
tar -xvzf WPSV4.0.TAR.gz
cd WPS
./clean
```

No obstante, este paso exigió la incorporación de 2 líneas en el archivo de las variables de ambiente:

```
export JASPERLIB=$DIR/grib2/lib
export JASPERINC=$DIR/grib2/include
```

para realizar la configuración:

```
./configure
```

En esta parte, la aplicación ofreció una lista de varias opciones para los tipos de compiladores, ya sea para compilar en serie o en paralelo, y para compilar ungrib con capacidad GRIB2. Sin bien es cierto que los desarrolladores del modelo sugieren compilar WPS en modo serie, también se puede hacer dmpar siempre cuando se necesite crear dominios extremadamente grandes, situación que pretende la Subdirección de Meteorología. Igualmente los datos de los modelos globales están en formato GRIB2 (asegúrese de no elegir una que indique "NO\_GRIB2"), por lo que fue mejor elegir esta opción en la configuración con la ventaja de que también se pueden manipular datos con formato GRIB1.

Elige la opción que lista un compilador para que coincida con lo que usaste para compilar WRF, serial y grib2. \*\* Nota: El número de opción probablemente será diferente al número que eligió para compilar WRF

```
Will use NETCDF in dir: /U01/Build_WRF/LIBRARIES/netcdf
$JASPERLIB or $JASPERINC not found in environment. Using default values for library paths...
```

-----  
Please select from among the following supported platforms.

1. Linux x86\_64, gfortran (serial)
2. Linux x86\_64, gfortran (serial\_NO\_GRIB2)
- 3. Linux x86\_64, gfortran (dmpar)**
4. Linux x86\_64, gfortran (dmpar\_NO\_GRIB2)
5. Linux x86\_64, PGI compiler (serial)
6. Linux x86\_64, PGI compiler (serial\_NO\_GRIB2)
7. Linux x86\_64, PGI compiler (dmpar)
8. Linux x86\_64, PGI compiler (dmpar\_NO\_GRIB2)
9. Linux x86\_64, PGI compiler, SGI MPT (serial)
10. Linux x86\_64, PGI compiler, SGI MPT (serial\_NO\_GRIB2)
11. Linux x86\_64, PGI compiler, SGI MPT (dmpar)
12. Linux x86\_64, PGI compiler, SGI MPT (dmpar\_NO\_GRIB2)
13. Linux x86\_64, IA64 and Opteron (serial)
14. Linux x86\_64, IA64 and Opteron (serial\_NO\_GRIB2)
15. Linux x86\_64, IA64 and Opteron (dmpar)
16. Linux x86\_64, IA64 and Opteron (dmpar\_NO\_GRIB2)
17. Linux x86\_64, Intel compiler (serial)
18. Linux x86\_64, Intel compiler (serial\_NO\_GRIB2)
19. Linux x86\_64, Intel compiler (dmpar)
20. Linux x86\_64, Intel compiler (dmpar\_NO\_GRIB2)
21. Linux x86\_64, Intel compiler, SGI MPT (serial)
22. Linux x86\_64, Intel compiler, SGI MPT (serial\_NO\_GRIB2)
23. Linux x86\_64, Intel compiler, SGI MPT (dmpar)
24. Linux x86\_64, Intel compiler, SGI MPT (dmpar\_NO\_GRIB2)
25. Linux x86\_64 g95 compiler (serial)
26. Linux x86\_64 g95 compiler (serial\_NO\_GRIB2)
27. Linux x86\_64 g95 compiler (dmpar)
28. Linux x86\_64 g95 compiler (dmpar\_NO\_GRIB2)
29. Cray XE/XC CLE/Linux x86\_64, Cray compiler (serial)
30. Cray XE/XC CLE/Linux x86\_64, Cray compiler (serial\_NO\_GRIB2)v
31. Cray XE/XC CLE/Linux x86\_64, Cray compiler (dmpar)
32. Cray XE/XC CLE/Linux x86\_64, Cray compiler (dmpar\_NO\_GRIB2)v
33. Cray XC CLE/Linux x86\_64, Intel compiler (serial)
34. Cray XC CLE/Linux x86\_64, Intel compiler (serial\_NO\_GRIB2)
35. Cray XC CLE/Linux x86\_64, Intel compiler (dmpar)
36. Cray XC CLE/Linux x86\_64, Intel compiler (dmpar\_NO\_GRIB2)

Enter selection [1-36] :

Por todo lo anterior, se selección escogida fue la número 3, la cual generó el siguiente archivo de configuración configure.wps:

```
# configure.wps
#
# This file was automatically generated by the configure script in the
# top level directory. You may make changes to the settings in this
# file but be aware they will be overwritten each time you run configure.
# Ordinarily, it is necessary to run configure once, when the code is
```

```

# first installed.
#
# To permanently change options, change the settings for your platform
# in the file arch/configure.defaults, the preamble, and the postamble -
# then rerun configure.
#

.SUFFIXES: .F .f .c .o

SHELL = /bin/sh

NCARG_LIBS = -L$(NCARG_ROOT)/lib -lncarg -lncarg_gks -lncarg_c \
            -lX11 -lXext -lpng -lz -lcairo -lfontconfig -lpixman-1 \
            -lfreetype -lexpat -lpthread -lbz2 -lXrender -lgfortran -lgcc

NCARG_LIBS2 = # May be overridden by architecture specific value below

FDEFS = -DUSE_JPEG2000 -DUSE_PNG

# Listing of options that are usually independent of machine type.
# When necessary, these are over-ridden by each architecture.

ARFLAGS =

PERL = perl

RANLIB = echo

#
# Set path to compiled WRF code, which is assumed to be ../WRF for v4.x, or ../WRFV3 for v3.x
# To override the path to the compiled WRF code, just set the WRF_DIR variable after the "endif" below
#
ifneq ($(wildcard $(DEV_TOP)/../WRF),) # Check for WRF v4.x directory
    WRF_DIR = ../WRF
else
    WRF_DIR = ../WRFV3
endif

WRF_INCLUDE = -I$(WRF_DIR)/external/io_netcdf \
              -I$(WRF_DIR)/external/io_grib_share \
              -I$(WRF_DIR)/external/io_grib1 \
              -I$(WRF_DIR)/external/io_int \
              -I$(WRF_DIR)/inc \
              -I$(NETCDF)/include

WRF_LIB = -L$(WRF_DIR)/external/io_grib1 -lio_grib1 \
          -L$(WRF_DIR)/external/io_grib_share -lio_grib_share \
          -L$(WRF_DIR)/external/io_int -lwrrio_int \
          -L$(WRF_DIR)/external/io_netcdf -lwrrio_nf \
          -L$(NETCDF)/lib -lnetcdff -lnetcdf

#### Architecture specific settings ####

COMPRESSION_LIBS = # intentionally left blank, fill in COMPRESSION_LIBS below

COMPRESSION_INC = # intentionally left blank, fill in COMPRESSION_INC below

#
# Settings for Linux x86_64, gfortran (dmpar)
#
#
COMPRESSION_LIBS = -L/U01/Build_WRF/LIBRARIES/grib2/lib -ljasper -lpng -lz
COMPRESSION_INC = -I/U01/Build_WRF/LIBRARIES/grib2/include
FDEFS = -DUSE_JPEG2000 -DUSE_PNG
SFC = gfortran
SCC = gcc
DM_FC = mpi90 -f90=gfortran
DM_CC = mpicc -cc=gcc
FC = $(DM_FC)
CC = $(DM_CC)
LD = $(FC)
FFLAGS = -ffree-form -O -fconvert=big-endian -frecord-marker=4
F77FLAGS = -ffixed-form -O -fconvert=big-endian -frecord-marker=4
FCSUFFIX =
FNGFLAGS = $(FFLAGS)
LDFLAGS =
CFLAGS =
CPP = /usr/bin/cpp -P -traditional
CPPFLAGS = -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI
RANLIB = ranlib

#####

#
# Macros, these should be generic for all machines

LN = ln -sf
MAKE = make -i -r
RM = /bin/rm -f
CP = /bin/cp
AR = ar ru

.IGNORE:
.SUFFIXES: .c .f .F .o

# There is probably no reason to modify these rules

.c.o:
$(RM) $@

```

```
$(CC) $(CPPFLAGS) $(CFLAGS) -c $<
```

```
.f.o:
```

```
$(RM) $@ $*.mod  
$(FC) $(F77FLAGS) -c $< $(WRF_INCLUDE)
```

```
.F.o:
```

```
$(RM) $@ $*.mod  
$(CPP) $(CPPFLAGS) $(FDEFS) $(WRF_INCLUDE) $<> $*.f90  
$(FC) $(FFLAGS) -c $*.f90 $(WRF_INCLUDE)
```

```
# $(RM) $*.f90
```

Luego se compilo el WPS:

```
./compile> & log.compile
```

obteniendo el siguiente resultado, que muestra que la compilación fue satisfactoria

```
=====  
Version 4.0
```

```
Linux Lab-Modelos 3.10.0-957.1.3.el7.x86_64 #1 SMP Thu Nov 29 14:49:43 UTC 2018 x86_64 x86_64 GNU/Linux
```

```
GNU Fortran (GCC) 4.8.5 20150623 (Red Hat 4.8.5-36)  
Copyright (C) 2015 Free Software Foundation, Inc.
```

```
GNU Fortran viene SIN GARANTÍA, a la extensión permitida por ley.  
Puede distribuir copias de GNU Fortran  
bajo los términos de la Licencia Pública General GPL.  
Para más información sobre estos asuntos, vea el fichero llamado COPYING
```

```
=====  
**** Compiling WPS and all utilities ****
```

```
make[1]: se ingresa al directorio `U01/Build_WRF/WPS/geogrid/src'  
/bin/rm -f cio.o  
mpicc -cc=gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -c cio.c  
/bin/rm -f constants_module.o constants_module.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include constants_module.F > constants_module.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c constants_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -  
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -  
I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f misc_definitions_module.o misc_definitions_module.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include misc_definitions_module.F > misc_definitions_module.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c misc_definitions_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -  
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -  
I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f parallel_module.o parallel_module.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include parallel_module.F > parallel_module.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c parallel_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -  
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -  
I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f module_debug.o module_debug.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include module_debug.F > module_debug.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c module_debug.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -  
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -  
I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f gridinfo_module.o gridinfo_module.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include gridinfo_module.F > gridinfo_module.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c gridinfo_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -  
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -  
I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f wrf_debug.o wrf_debug.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include wrf_debug.F > wrf_debug.f90  
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c wrf_debug.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share  
-I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include  
/bin/rm -f bitarray_module.o bitarray_module.mod  
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GEOGRID -DUSE_JPEG2000 -DUSE_PNG -  
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -  
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include bitarray_module.F > bitarray_module.f90
```





```

        from /usr/include/stdlib.h:42,
        from read_geogrid.c:12:
/usr/include/ndian.h:46:0: nota: esta es la ubicación de la definición previa
# define BIG_ENDIAN __BIG_ENDIAN
^
read_geogrid.c:24:0: aviso: se redefinió "LITTLE_ENDIAN" [activado por defecto]
#define LITTLE_ENDIAN 1
^
In file included from /usr/include/bits/waitstatus.h:64:0,
        from /usr/include/stdlib.h:42,
        from read_geogrid.c:12:
/usr/include/ndian.h:45:0: nota: esta es la ubicación de la definición previa
# define LITTLE_ENDIAN __LITTLE_ENDIAN
^
read_geogrid.c: En la función 'read_geogrid_':
read_geogrid.c:124:13: aviso: cuenta de desplazamiento a la izquierda >= anchura del tipo [activado por defecto]
        if ((*signed) && (ival > (1 << 31))) ival -= (1 << 32);
        ^
mpi90 -f90=gfortran -o geogrid.exe cio.o wrf_debug.o bitarray_module.o constants_module.o module_stringutil.o geogrid.o gridinfo_module.o hash_module.o interp_module.o list_module.o
lky_module.o misc_definitions_module.o module_debug.o module_map_utils.o output_module.o parallel_module.o process_tile_module.o proc_point_module.o queue_module.o read_geogrid.o
smooth_module.o source_data_module.o \
        /U01/Build_WRF/WPS/./WRF/frame/module_driver_constants.o \
        /U01/Build_WRF/WPS/./WRF/frame/pack_utils.o /U01/Build_WRF/WPS/./WRF/frame/module_machine.o \
        /U01/Build_WRF/WPS/./WRF/frame/module_internal_header_util.o \
        -L/U01/Build_WRF/WPS/./WRF/external/io_netcdf -L/U01/Build_WRF/WPS/./WRF/external/io_grib_share -L/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
L/U01/Build_WRF/WPS/./WRF/external/io_int -L/U01/Build_WRF/WPS/./WRF/inc -L/U01/Build_WRF/LIBRARIES/netcdf/include \
        -L/U01/Build_WRF/WPS/./WRF/external/io_grib1 -lio_grib1 -L/U01/Build_WRF/WPS/./WRF/external/io_grib_share -lio_grib_share -L/U01/Build_WRF/WPS/./WRF/external/io_int -
lwrfio_int -L/U01/Build_WRF/WPS/./WRF/external/io_netcdf -lwrfio_nf -L/U01/Build_WRF/LIBRARIES/netcdf/lib -lnetcdf -lnetcdf\

make[1]: se sale del directorio '/U01/Build_WRF/WPS/geogrid/src'
( cd src/ngl ; make -i -r DEV_TOP="/U01/Build_WRF/WPS" CC="gcc" FC="gfortran" RANLIB="ranlib" all )
make[1]: se ingresa al directorio '/U01/Build_WRF/WPS/ungrib/src/ngl'
( cd w3 ; make -i -r DEV_TOP="/U01/Build_WRF/WPS" all ; ranlib libw3.a )
make[2]: se ingresa al directorio '/U01/Build_WRF/WPS/ungrib/src/ngl/w3'
Makefile:44: warning: overriding recipe for target '.f.o'
/U01/Build_WRF/WPS/configure.wps:108: warning: ignoring old recipe for target '.f.o'
Makefile:48: warning: overriding recipe for target '.c.o'
/U01/Build_WRF/WPS/configure.wps:104: warning: ignoring old recipe for target '.c.o'
/bin/rm -f bacio_module.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c bacio_module.f
/bin/rm -f getgb.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgb.f
/bin/rm -f getgbmh.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbmh.f
/bin/rm -f putgbex.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgbex.f
/bin/rm -f w3fi73.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi73.f
/bin/rm -f getgb1r.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgb1r.f
/bin/rm -f getgbmp.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbmp.f
/bin/rm -f putgbn.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgbn.f
/bin/rm -f w3fi74.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi74.f
/bin/rm -f getgb1re.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgb1re.f
/bin/rm -f getgbp.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbp.f
/bin/rm -f r63w72.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c r63w72.f
/bin/rm -f w3fi75.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi75.f
/bin/rm -f getgb1s.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgb1s.f
/bin/rm -f getgi.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgi.f
/bin/rm -f sbyte.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c sbyte.f
/bin/rm -f w3fi76.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi76.f
/bin/rm -f getgbe.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbe.f
/bin/rm -f getgir.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgir.f
/bin/rm -f sbytes.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c sbytes.f
/bin/rm -f w3fi82.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi82.f
/bin/rm -f getgbeh.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbeh.f
/bin/rm -f idsdef.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c idsdef.f
/bin/rm -f w3fi83.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi83.f
/bin/rm -f getgbem.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbem.f
/bin/rm -f iw3jdn.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c iw3jdn.f
/bin/rm -f w3difdat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3difdat.f
/bin/rm -f w3fs26.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fs26.f
/bin/rm -f getgbemh.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbemh.f
/bin/rm -f ixgb.o

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gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c ixgb.f
/bin/rm -f w3doxdat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3doxdat.f
/bin/rm -f w3log.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3log.f
/bin/rm -f getgbmp.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbmp.f
/bin/rm -f lengds.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c lengds.f
/bin/rm -f w3fi01.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi01.f
/bin/rm -f w3movdat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3movdat.f
/bin/rm -f getgbens.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbens.f
/bin/rm -f pdsens.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c pdsens.f
/bin/rm -f w3fi58.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi58.f
/bin/rm -f w3reddat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3reddat.f
/bin/rm -f getgbep.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbep.f
/bin/rm -f pdseup.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c pdseup.f
/bin/rm -f w3fi59.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi59.f
/bin/rm -f w3tagb.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3tagb.f
/bin/rm -f errmsg.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c errmsg.f
/bin/rm -f getgbex.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbex.f
/bin/rm -f putgb.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgb.f
/bin/rm -f w3fi63.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi63.f
/bin/rm -f gbytes.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c gbytes.f
/bin/rm -f getgbxm.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbxm.f
/bin/rm -f putgbe.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgbe.f
/bin/rm -f w3fi68.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi68.f
/bin/rm -f gbytes_char.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c gbytes_char.f
/bin/rm -f getgbh.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbh.f
/bin/rm -f putgben.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgben.f
/bin/rm -f getbit.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getbit.f
/bin/rm -f getgbm.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c getgbm.f
/bin/rm -f putgbens.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c putgbens.f
/bin/rm -f w3fi72.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi72.f
/bin/rm -f fparsei.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c fparsei.f
/bin/rm -f fparser.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c fparser.f
/bin/rm -f instrument.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c instrument.f
/bin/rm -f start.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c start.f
/bin/rm -f summary.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c summary.f
/bin/rm -f w3utcdat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3utcdat.f
/bin/rm -f w3fs21.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fs21.f
/bin/rm -f w3locdat.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3locdat.f
/bin/rm -f w3fi71.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c w3fi71.f
/bin/rm -f bacio.f.o
gfortran -ffixed-form -O -fconvert=big-endian -frecord-marker=4 -c bacio.f
/bin/rm -f bacio.v1.3.o
gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -c bacio.v1.3.c
/bin/rm -f erexit.o
gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -c erexit.c
ar r libw3.a bacio_module.o getgb.o getgbmh.o putgbex.o w3fi73.o getgb1r.o getgbmp.o putgbn.o w3fi74.o getgb1re.o getgbp.o r63w72.o w3fi75.o getgb1s.o getgi.o sbyte.o w3fi76.o
getgbe.o getgbo sbytes.o w3fi82.o getgbeh.o idsdef.o w3fi83.o getgbem.o iw3jdn.o w3didfat.o w3fs26.o getgbemh.o ixgb.o w3doxdat.o w3log.o getgbmp.o lengds.o w3fi01.o
w3movdat.o getgbens.o pdsens.o w3fi58.o w3reddat.o getgbep.o pdseup.o w3fi59.o w3tagb.o errmsg.o getgbex.o putgb.o w3fi63.o gbytes.o getgbxm.o putgbe.o w3fi68.o gbytes_char.o
getgbh.o putgben.o getbit.o getgbm.o putgbens.o w3fi72.o fparsei.o fparser.o instrument.o start.o summary.o w3utcdat.o w3fs21.o w3locdat.o w3fi71.o bacio.f.o bacio.v1.3.o erexit.o
ar: creando libw3.a
ranlib libw3.a
make[2]: se sale del directorio '/U01/Build_WRF/WPS/ungrib/src/ngl/w3'
ln -sf w3/libw3.a .
( cd g2 ; make -i -r DEV_TOP="/U01/Build_WRF/WPS" all ; ranlib libg2_4.a )
make[2]: se ingresa al directorio '/U01/Build_WRF/WPS/ungrib/src/ngl/g2'
Makefile:67: warning: overriding recipe for target '.f.o'
/U01/Build_WRF/WPS/configure.wps:112: warning: ignoring old recipe for target '.f.o'
Makefile:72: warning: overriding recipe for target '.f.o'
/U01/Build_WRF/WPS/configure.wps:108: warning: ignoring old recipe for target '.f.o'
Makefile:75: warning: overriding recipe for target '.c.o'

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/U01/Build_WRF/WPS/configure.wps:104: warning: ignoring old recipe for target `c.o'
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gridtemplates.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 pdstemplates.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 drstemplates.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gribmod.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 realloc.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 intmath.f
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG addfield.F > addfield.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 addfield.f90
/bin/rm -f addfield.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 addgrid.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 addlocal.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getfield.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gb_info.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_getfld.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_free.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack1.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack2.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack3.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack4.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack5.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack6.f
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG gf_unpack7.F > gf_unpack7.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gf_unpack7.f90
/bin/rm -f gf_unpack7.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gettemplates.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getlocal.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getdim.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getpoly.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gribcreate.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gribend.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gribinfo.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 mkieee.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 rdieee.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 simpack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 simunpack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 cmplxpack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 compack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 misspack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 pack_gp.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 reduce.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 comunpack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 specpack.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 specunpack.f
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG jpcpack.F > jpcpack.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 jpcpack.f90
/bin/rm -f jpcpack.f90
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG jpcunpack.F > jpcunpack.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 jpcunpack.f90
/bin/rm -f jpcunpack.f90
gcc -c -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -I/U01/Build_WRF/LIBRARIES/grib2/include -DUSE_JPEG2000 -DUSE_PNG -D_64BIT -Denc_jpeg2000.c
gcc -c -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -I/U01/Build_WRF/LIBRARIES/grib2/include -DUSE_JPEG2000 -DUSE_PNG -D_64BIT -Ddec_jpeg2000.c
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG pngpack.F > pngpack.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 pngpack.f90
/bin/rm -f pngpack.f90
/usr/bin/cpp -P -traditional -DUSE_JPEG2000 -DUSE_PNG pngunpack.F > pngunpack.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 pngunpack.f90
/bin/rm -f pngunpack.f90
gcc -c -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -I/U01/Build_WRF/LIBRARIES/grib2/include -DUSE_JPEG2000 -DUSE_PNG -D_64BIT -Denc_png.c
gcc -c -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -I/U01/Build_WRF/LIBRARIES/grib2/include -DUSE_JPEG2000 -DUSE_PNG -D_64BIT -Ddec_png.c
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gbytesc.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 skgb.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 ixgb2.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getidx.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getg2i.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getg2ir.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2s.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2r.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2l.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2p.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 getgb2rp.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 putgb2.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 g2grids.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 gdt2gds.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 params.f
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 params_ecmw.f
gcc -c -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -I/U01/Build_WRF/LIBRARIES/grib2/include -DUSE_JPEG2000 -DUSE_PNG -D_64BIT -Dmov2i.c
/bin/rm -f libg2_4.a
ar ru libg2_4.a gridtemplates.o pdstemplates.o drstemplates.o gribmod.o realloc.o intmath.o addfield.o addgrid.o addlocal.o getfield.o gb_info.o gf_getfld.o gf_free.o gf_unpack1.o gf_unpack2.o gf_unpack3.o gf_unpack4.o gf_unpack5.o gf_unpack6.o gf_unpack7.o gettemplates.o getlocal.o getdim.o getpoly.o gribcreate.o gribend.o gribinfo.o mkieee.o rdieee.o simpack.o simunpack.o cmplxpack.o compack.o misspack.o pack_gp.o reduce.o comunpack.o specpack.o specunpack.o jpcpack.o jpcunpack.o enc_jpeg2000.o dec_jpeg2000.o pngpack.o pngunpack.o enc_png.o dec_png.o gbytesc.o skgb.o ixgb2.o getidx.o getg2i.o getg2ir.o getgb2s.o getgb2r.o getgb2l.o getgb2.o getgb2p.o getgb2rp.o putgb2.o g2grids.o gdt2gds.o params.o params_ecmw.o mov2i.o
ar: creando libg2_4.a
ranlib libg2_4.a
make[2]: se sale del directorio `/U01/Build_WRF/WPS/ungrib/src/ngl/g2'
ln -sf g2/libg2_4.a .
make[1]: se sale del directorio `/U01/Build_WRF/WPS/ungrib/src/ngl'
(cd src ; \
  if [ "" = yes ] ; then \
    WRF_DIR2=../WRF ; \
  else \
    WRF_DIR2=/U01/Build_WRF/WPS/./WRF ; \

```

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fi ; \
make -i -r ungrib.exe \
    WRF_DIR="$WRF_DIR2" \
    FC="gfortran" \
    CC="mpicc -cc=gcc" \
    CPP="/usr/bin/cpp -P -traditional" \
    FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
    CFLAGS="" \
    LDFLAGS="" \
    CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB" )
make[1]: se ingresa al directorio /U01/Build_WRF/WPS/ungrib/src'
Makefile:90: warning: overriding recipe for target '.f.o'
../configure.wps:112: warning: ignoring old recipe for target '.f.o'
Makefile:95: warning: overriding recipe for target '.c.o'
../configure.wps:104: warning: ignoring old recipe for target '.c.o'
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG misc_definitions_module.F >
misc_definitions_module.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 misc_definitions_module.f90
/bin/rm -f debug_cio.o
mpicc -cc=gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -c debug_cio.c
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG module_debug.F >
module_debug.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 module_debug.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG module_stringutil.F >
module_stringutil.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 module_stringutil.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG table.F > table.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 table.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG module_datarray.F >
module_datarray.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 module_datarray.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG gridinfo.F > gridinfo.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 gridinfo.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG new_storage.F >
new_storage.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 new_storage.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG filelist.F > filelist.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 filelist.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG ungrib.F > ungrib.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 ungrib.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG output.F > output.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 output.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG rrpr.F > rrpr.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 rrpr.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG rd_grib1.F > rd_grib1.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 rd_grib1.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG file_delete.F > file_delete.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 file_delete.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG datint.F > datint.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 datint.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB rd_grib2.F > rd_grib2.f90
gfortran -c -ffixed-form -O -fconvert=big-endian -frecord-marker=4 rd_grib2.f90 -l ./ngl/g2
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG build_hdate.F >
build_hdate.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 build_hdate.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG geth_newdate.F >
geth_newdate.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 geth_newdate.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG geth_ids.F > geth_ids.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 geth_ids.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG swap.F > swap.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 swap.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG parse_table.F >
parse_table.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 parse_table.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG gbytesys.F > gbytesys.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 gbytesys.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG gribcode.F > gribcode.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 gribcode.f90
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -DUSE_JPEG2000 -DUSE_PNG read_namelist.F >
read_namelist.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 read_namelist.f90
/bin/rm -f cio.o
mpicc -cc=gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UNGRIB -c cio.c
/bin/rm -f libpgu.a
ar ru libpgu.a build_hdate.o geth_newdate.o geth_ids.o swap.o table.o parse_table.o gbytesys.o gribcode.o read_namelist.o cio.o
ar: creando libpgu.a
ranlib libpgu.a
/bin/rm -f ungrib.exe
if [ -z ]; then \
    gfortran -o ungrib.exe misc_definitions_module.o debug_cio.o module_debug.o module_stringutil.o table.o module_datarray.o gridinfo.o new_storage.o filelist.o ungrib.o
output.o rrpr.o rd_grib1.o file_delete.o datint.o rd_grib2.o \
    -L./ngl -lw3 -lg2 4 \
    -L/U01/Build_WRF/LIBRARIES/grib2/lib -ljasper -lpng -lz \
    -L -lpgu ; \
else \
    gfortran -o ungrib.exe misc_definitions_module.o debug_cio.o module_debug.o module_stringutil.o table.o module_datarray.o gridinfo.o new_storage.o filelist.o ungrib.o
output.o rrpr.o rd_grib1.o file_delete.o datint.o rd_grib2.o \
    ./ngl/w3/libw3.a ./ngl/g2/libg2_4.a \
    -L/U01/Build_WRF/LIBRARIES/grib2/lib -ljasper -lpng -lz \
    libpgu.a ; \
fi
/U01/Build_WRF/LIBRARIES/grib2/lib/libjasper.a(jas_stream.o): En la función 'jas_stream_tmpfile':
/U01/Build_WRF/LIBRARIES/jasper-1.900.1/src/libjasper/base/jas_stream.c:368: aviso: the use of 'tmpnam' is dangerous, better use 'mkstemp'
make[1]: se sale del directorio /U01/Build_WRF/WPS/ungrib/src'
if [ -h ungrib.exe ]; then \
    /bin/rm -f ungrib.exe ; \
fi ; \

```









1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:607.16:

'VTCIN','VTCAPE','RSMIN','DSWRF','DLWRF','MSTAV','SFEXC','

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:611.31:

'SNOWC','SNOT','POROS','SBT112','SBT113','SBT114','SBT115','RCS'

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:611.40:

'SNOWC','SNOT','POROS','SBT112','SBT113','SBT114','SBT115','RCS'

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:611.49:

'SNOWC','SNOT','POROS','SBT112','SBT113','SBT114','SBT115','RCS'

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:611.58:

'SNOWC','SNOT','POROS','SBT112','SBT113','SBT114','SBT115','RCS'

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.23:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.32:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.41:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.50:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:579.60:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.69:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','M

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:579.78:

'ETSRG','RHPW','OZMAX1','OZMAX8','PDMAX1','PDMAX24','MAXREF','MXUPHL','MAXU

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:580.8:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:580.17:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)  
g1print.f90:580.42:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:580.52:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:580.62:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:580.72:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:580.82:

'MAXDVV','MAXVIG','RETOP','VRATE','TCSR20','TCSR30','TCSR40','TCSR50','TCSR

1  
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)  
g1print.f90:581.8:

```

TCSR70',TCSR80',TCSR90',HINDX',DIFTEN',PSPCP',MAXUW',MAXVW','
1
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)
g1print.f90:581.18:

TCSR70',TCSR80',TCSR90',HINDX',DIFTEN',PSPCP',MAXUW',MAXVW','
1
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)
g1print.f90:581.28:

TCSR70',TCSR80',TCSR90',HINDX',DIFTEN',PSPCP',MAXUW',MAXVW','
1
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (57)
g1print.f90:581.46:

TCSR70',TCSR80',TCSR90',HINDX',DIFTEN',PSPCP',MAXUW',MAXVW','
1
Aviso: Se truncó la cadena de inicialización que inicia en (1) para coincidir con la variable (56)
gfortran -o g1print.exe g1print.o gribcode.o module_debug.o debug_cio.o libpgua
make[1]: se sale del directorio /U01/Build_WRF/WPS/ungrib/src
if [ -h g1print.exe ]; then \
    /bin/rm -f g1print.exe ; \
fi ; \
if [ -h ../g1print.exe ]; then \
    /bin/rm -f ../g1print.exe ; \
fi ; \
if [ -e src/g1print.exe ]; then \
    ln -sf src/g1print.exe . ; \
fi
( cd src/ngl ; make -i -r DEV_TOP="/U01/Build_WRF/WPS" CC="gcc" FC="gfortran" RANLIB="ranlib" all )
make[1]: se ingresa al directorio /U01/Build_WRF/WPS/ungrib/src/ngl
make[1]: No se hace nada para `all`.
make[1]: se sale del directorio /U01/Build_WRF/WPS/ungrib/src/ngl
( cd src ; \
    if [ "" = yes ]; then \
        WRF_DIR2=../WRF ; \
    else \
        WRF_DIR2=/U01/Build_WRF/WPS/./WRF ; \
    fi ; \
make -i -r g2print.exe \
    WRF_DIR="$WRF_DIR2" \
    FC="gfortran" \
    CC="mpicc -cc=gcc " \
    CPP="/usr/bin/cpp -P -traditional" \
    FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
    CFLAGS="" \
    LDFLAGS="" \
    CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GRIBUTIL" )
make[1]: se ingresa al directorio /U01/Build_WRF/WPS/ungrib/src
Makefile:90: warning: overriding recipe for target `.Fo'
../configure.wps:112: warning: ignoring old recipe for target `.Fo'
Makefile:95: warning: overriding recipe for target `.c.o'
../configure.wps:104: warning: ignoring old recipe for target `.c.o'
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_GRIBUTIL g2print.F > g2print.f90
gfortran -c -ffree-form -O -fconvert=big-endian -frecord-marker=4 g2print.f90 -I. -l./ngl/g2
if [ -z ] ; then \
    gfortran -o g2print.exe g2print.o \
        filelist.o gridinfo.o \
        -L -lpgu \
        -L./ngl -lw3 -lg2_4 \
        -L/U01/Build_WRF/LIBRARIES/grib2/lib -ljasper -lpng -lz ; \
else \
    gfortran -o g2print.exe g2print.o \
        filelist.o gridinfo.o \
        libpgu.a \
        ./ngl/w3/libw3.a ./ngl/g2/libg2_4.a \
        -L/U01/Build_WRF/LIBRARIES/grib2/lib -ljasper -lpng -lz ; \
fi
/U01/Build_WRF/LIBRARIES/grib2/lib/libjasper.a(jas_stream.o): En la función `jas_stream_tmpfile`:
/U01/Build_WRF/LIBRARIES/jasper-1.900.1/src/libjasper/base/jas_stream.c:368: aviso: the use of `tmpnam` is dangerous, better use `mkstemp`
make[1]: se sale del directorio /U01/Build_WRF/WPS/ungrib/src
if [ -h g2print.exe ]; then \
    /bin/rm -f g2print.exe ; \
fi ; \
if [ -h ../g2print.exe ]; then \
    /bin/rm -f ../g2print.exe ; \
fi ; \
if [ -e src/g2print.exe ]; then \
    ln -sf src/g2print.exe . ; \
fi
( cd src ; \
    if [ "" = yes ]; then \
        WRF_DIR2=../WRF ; \
    else \
        WRF_DIR2=/U01/Build_WRF/WPS/./WRF ; \
    fi ; \
make -i -r rd_intermediate.exe \
    WRF_DIR="$WRF_DIR2" \
    FC="mpi90 -f90=gfortran" \
    CC="mpicc -cc=gcc " \
    CPP="/usr/bin/cpp -P -traditional" \
    FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
    CFLAGS="" \
    LDFLAGS="" \
    CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio /U01/Build_WRF/WPS/uti/src
/bin/rm -f cio.o

```

```

mpicc -cc=gcc -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -c cio.c
/bin/rm -f module_debug.o module_debug.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include module_debug.F > module_debug.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c module_debug.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f met_data_module.o met_data_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include met_data_module.F > met_data_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c met_data_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f constants_module.o constants_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include constants_module.F > constants_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c constants_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f misc_definitions_module.o misc_definitions_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include misc_definitions_module.F > misc_definitions_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c misc_definitions_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f read_met_module.o read_met_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include read_met_module.F > read_met_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c read_met_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f rd_intermediate.o rd_intermediate.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include rd_intermediate.F > rd_intermediate.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c rd_intermediate.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
gfortran -o rd_intermediate.exe rd_intermediate.o read_met_module.o \
module_debug.o misc_definitions_module.o cio.o met_data_module.o constants_module.o
make[1]: se sale del directorio /U01/Build_WRF/WPS/utl/src'
if [ -h rd_intermediate.exe ]; then \
/bin/rm -f rd_intermediate.exe ; \
fi ; \
if [ -h ../rd_intermediate.exe ]; then \
/bin/rm -f ../rd_intermediate.exe ; \
fi ; \
if [ -e src/rd_intermediate.exe ]; then \
ln -sf src/rd_intermediate.exe . ; \
fi
(cd src ; \
if [ "" = yes ]; then \
WRF_DIR2=../WRF ; \
else \
WRF_DIR2=U01/Build_WRF/WPS/./WRF ; \
fi ; \
make -i -r mod_levs.exe \
WRF_DIR="$WRF_DIR2" \
FC="mpi90 -f90=gfortran" \
CC="mpicc -cc=gcc" \
CPP="/usr/bin/cpp -P -traditional" \
FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
CFLAGS="" \
LDFLAGS="" \
CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio /U01/Build_WRF/WPS/utl/src'
/bin/rm -f write_met_module.o write_met_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include write_met_module.F > write_met_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c write_met_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f mod_levs.o mod_levs.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include mod_levs.F > mod_levs.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c mod_levs.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -
I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include
gfortran -o mod_levs.exe mod_levs.o module_debug.o read_met_module.o \
write_met_module.o misc_definitions_module.o cio.o met_data_module.o constants_module.o
make[1]: se sale del directorio /U01/Build_WRF/WPS/utl/src'
if [ -h mod_levs.exe ]; then \
/bin/rm -f mod_levs.exe ; \
fi ; \
if [ -h ../mod_levs.exe ]; then \
/bin/rm -f ../mod_levs.exe ; \
fi ; \
if [ -e src/mod_levs.exe ]; then \
ln -sf src/mod_levs.exe . ; \
fi
(cd src ; \
if [ "" = yes ]; then \

```

```

WRF_DIR2=../WRF; \
else \
WRF_DIR2=U01/Build_WRF/WPS/./WRF; \
fi; \
make -i -r avg_tsfc.exe \
WRF_DIR="$SWRF_DIR2" \
FC="mpi90 -f90=gfortran" \
CC="mpicc -cc=gcc" \
CPP="/usr/bin/cpp -P -traditional" \
FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
CFLAGS="" \
LDFLAGS="" \
CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio `U01/Build_WRF/WPS/util/src'
/bin/rm -f gridinfo_module.o gridinfo_module.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include gridinfo_module.F > gridinfo_module.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c gridinfo_module.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f module_date_pack.o module_date_pack.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include module_date_pack.F > module_date_pack.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c module_date_pack.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f avg_tsfc.o avg_tsfc.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include avg_tsfc.F > avg_tsfc.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c avg_tsfc.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -
I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include
gfortran -o avg_tsfc.exe avg_tsfc.o cio.o module_debug.o gridinfo_module.o \
read_met_module.o write_met_module.o module_date_pack.o \
misc_definitions_module.o met_data_module.o constants_module.o
make[1]: se sale del directorio `U01/Build_WRF/WPS/util/src'
if [ -h avg_tsfc.exe ]; then \
/bin/rm -f avg_tsfc.exe; \
fi; \
if [ -h ../avg_tsfc.exe ]; then \
/bin/rm -f ../avg_tsfc.exe; \
fi; \
if [ -e src/avg_tsfc.exe ]; then \
ln -sf src/avg_tsfc.exe .; \
fi
(cd src; \
if [ "" = yes ]; then \
WRF_DIR2=../WRF; \
else \
WRF_DIR2=U01/Build_WRF/WPS/./WRF; \
fi; \
make -i -r calc_ecmwf_p.exe \
WRF_DIR="$SWRF_DIR2" \
FC="mpi90 -f90=gfortran" \
CC="mpicc -cc=gcc" \
CPP="/usr/bin/cpp -P -traditional" \
FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
CFLAGS="" \
LDFLAGS="" \
CPPFLAGS="-D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio `U01/Build_WRF/WPS/util/src'
/bin/rm -f module_stringutil.o module_stringutil.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include module_stringutil.F > module_stringutil.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c module_stringutil.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
/bin/rm -f calc_ecmwf_p.o calc_ecmwf_p.mod
/usr/bin/cpp -P -traditional -D_UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include calc_ecmwf_p.F > calc_ecmwf_p.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c calc_ecmwf_p.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
gfortran -o calc_ecmwf_p.exe calc_ecmwf_p.o cio.o module_debug.o module_stringutil.o gridinfo_module.o \
read_met_module.o write_met_module.o module_date_pack.o \
misc_definitions_module.o met_data_module.o constants_module.o
make[1]: se sale del directorio `U01/Build_WRF/WPS/util/src'
if [ -h calc_ecmwf_p.exe ]; then \
/bin/rm -f calc_ecmwf_p.exe; \
fi; \
if [ -h ../calc_ecmwf_p.exe ]; then \
/bin/rm -f ../calc_ecmwf_p.exe; \
fi; \
if [ -e src/calc_ecmwf_p.exe ]; then \
ln -sf src/calc_ecmwf_p.exe .; \
fi
(cd src; \
if [ "" = yes ]; then \
WRF_DIR2=../WRF; \
else \
WRF_DIR2=U01/Build_WRF/WPS/./WRF; \
fi; \
make -i -r height_ukmo.exe \
WRF_DIR="$SWRF_DIR2" \

```

```

FC="mpi90 -f90=gfortran " \
CC="mpicc -cc=gcc " \
CPP="/usr/bin/cpp -P -traditional" \
FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
CFLAGS="" \
LDFLAGS="" \
CPPFLAGS="-D UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio `U01/Build_WRF/WPS/util/src'
/bin/rm -f height_ukmo.o height_ukmo.mod
/usr/bin/cpp -P -traditional -D UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL -DUSE_JPEG2000 -DUSE_PNG -
I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include height_ukmo.F > height_ukmo.f90
mpi90 -f90=gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -c height_ukmo.f90 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -
I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -
I/U01/Build_WRF/LIBRARIES/netcdf/include
gfortran -o height_ukmo.exe height_ukmo.o cio.o module_debug.o gridinfo_module.o \
read_met_module.o write_met_module.o module_date_pack.o \
misc_definitions_module.o met_data_module.o constants_module.o
make[1]: se sale del directorio `U01/Build_WRF/WPS/util/src'
if [ -h height_ukmo.exe ]; then \
/bin/rm -f height_ukmo.exe ; \
fi ; \
if [ -h ../height_ukmo.exe ]; then \
/bin/rm -f ../height_ukmo.exe ; \
fi ; \
if [ -e src/height_ukmo.exe ]; then \
ln -sf src/height_ukmo.exe . ; \
fi
( cd src ; \
if [ "" = yes ]; then \
WRF_DIR2=./WRF ; \
else \
WRF_DIR2=U01/Build_WRF/WPS/./WRF ; \
fi ; \
make -i -r int2nc.exe \
WRF_DIR="$WRF_DIR2" \
FC="mpi90 -f90=gfortran " \
CC="mpicc -cc=gcc " \
CPP="/usr/bin/cpp -P -traditional" \
FFLAGS="-ffree-form -O -fconvert=big-endian -frecord-marker=4" \
CFLAGS="" \
LDFLAGS="" \
CPPFLAGS="-D UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL" )
make[1]: se ingresa al directorio `U01/Build_WRF/WPS/util/src'
/bin/rm -f int2nc.f90
/usr/bin/cpp -P -traditional -D UNDERSCORE -DBYTESWAP -DLINUX -DIO_NETCDF -DBIT32 -DNO_SIGNAL -D_MPI -D_UTIL int2nc.F > int2nc.f90
gfortran -ffree-form -O -fconvert=big-endian -frecord-marker=4 -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -
I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include -c int2nc.f90
gfortran -o int2nc.exe -I/U01/Build_WRF/WPS/./WRF/external/io_netcdf -I/U01/Build_WRF/WPS/./WRF/external/io_grib_share -I/U01/Build_WRF/WPS/./WRF/external/io_grib1 -
I/U01/Build_WRF/WPS/./WRF/external/io_int -I/U01/Build_WRF/WPS/./WRF/inc -I/U01/Build_WRF/LIBRARIES/netcdf/include int2nc.o module_debug.o misc_definitions_module.o
read_met_module.o cio.o -L/U01/Build_WRF/WPS/./WRF/external/io_grib1 -lio_grib1 -L/U01/Build_WRF/WPS/./WRF/external/io_grib_share -lio_grib_share -
L/U01/Build_WRF/WPS/./WRF/external/io_int -lwrrio_int -L/U01/Build_WRF/WPS/./WRF/external/io_netcdf -lwrrio_nf -L/U01/Build_WRF/LIBRARIES/netcdf/lib -lnetcdff -lnetcdf
make[1]: se sale del directorio `U01/Build_WRF/WPS/util/src'
if [ -h int2nc.exe ]; then \
/bin/rm -f int2nc.exe ; \
fi ; \
if [ -h ../int2nc.exe ]; then \
/bin/rm -f ../int2nc.exe ; \
fi ; \
if [ -e src/int2nc.exe ]; then \
ln -sf src/int2nc.exe . ; \
fi

```

La compilación fue exitosa, ya que adicionalmente generó 3 archivos ejecutables en el directorio de nivel superior de WPS, los cuales quedaron vinculados a sus correspondientes directorios src/:

```

geogrid.exe -> geogrid / src / geogrid.exe
ungrrib.exe -> ungrrib / src / ungrrib.exe
metgrid.exe -> metgrid / src / metgrid.exe

```