-I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include mediation\_integrate.f90 ; \

 else \

 if [ -n "" ] ; then echo COMPILING mediation\_integrate.F WITHOUT OMP ; fi ; \

 time mpif90 -f90=ifort -c -real-size `expr 8 \\* 4` -i4 -O0 -fno-inline -no-ip -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include mediation\_integrate.f90 ; \

 fi

mediation\_integrate.f90(83): error #6460: This is not a field name that is defined in the encompassing structure. [HYCSUM]

 grid%hycsum=0.0

------------^

mediation\_integrate.f90(174): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_HYSPLIT]

 IF (config\_flags%run\_hysplit .EQ. 1) THEN

--------------------^

compilation aborted for mediation\_integrate.f90 (code 1)

solve\_em.bb

solve\_em.F:4521:0: fatal error: HALO\_EM\_HYSP.inc: No such file or directory

 # include "HALO\_EM\_HYSP.inc"

 ^

compilation terminated.

make[2]: [solve\_em.o] Error 1 (ignored)

/home/nwp/WRF3.8/WRFV3/tools/standard.exe solve\_em.bb | /lib/cpp -P -traditional > solve\_em.f90

rm -f solve\_em.b solve\_em.bb

time mpif90 -f90=ifort -o solve\_em.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 solve\_em.f90

solve\_em.f90(5834): error #5082: Syntax error, found END-OF-FILE when expecting one of: <LABEL> <END-OF-STATEMENT> ; BLOCK BLOCKDATA PROGRAM MODULE TYPE INTEGER REAL ...

 IF ( config\_flags%run\_hysplit == 1 ) THEN

--------------------------------------------^

solve\_em.f90(83): error #6580: Name in only-list does not exist. [HALO\_EM\_HYSP\_SUB]

 ,halo\_em\_hysp\_sub

------------------^

solve\_em.f90(5834): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_HYSPLIT]

 IF ( config\_flags%run\_hysplit == 1 ) THEN

---------------------^

solve\_em.f90(5834): error #6321: An unterminated block exists.

 IF ( config\_flags%run\_hysplit == 1 ) THEN

^

compilation aborted for solve\_em.f90 (code 1)

real 0m0.821s

user 0m0.631s

sys 0m0.166s

make[2]: [solve\_em.o] Error 1 (ignored)

ar ru ../main/libwrflib.a module\_advect\_em.o module\_diffusion\_em.o module\_small\_step\_em.o module\_big\_step\_utilities\_em.o module\_em.o module\_solvedebug\_em.o module\_bc\_em.o module\_init\_utilities.o module\_wps\_io\_arw.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

ar: solve\_em.o: No such file or directory

make[2]: [dyn\_em] Error 1 (ignored)

make[2]: Leaving directory `/home/nwp/WRF3.8/WRFV3/dyn\_em'

make[1]: Leaving directory `/home/nwp/WRF3.8/WRFV3'

if [ 0 -eq 1 ] ; then make -i -r MODULE\_DIRS="-I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include " nmm\_core ; fi

if [ 0 -eq 1 ] ; then make -i -r MODULE\_DIRS="-I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include " exp\_core ; fi

if [ 0 -eq 1 ] ; then make -i -r MODULE\_DIRS="-I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include " wrf\_hydro ; fi

make -i -r MODULE\_DIRS="-I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include " hysplit

make[1]: Entering directory `/home/nwp/WRF3.8/WRFV3'

!FN-hysp----------------------------------

( cd hysp ; make -i -r -j 2 )

make[2]: Entering directory `/home/nwp/WRF3.8/WRFV3/hysp'

rm -f hyconc.o

rm -f hymain.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hyconc.F > hyconc.bb

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hymain.F > hymain.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hymain.bb | /lib/cpp -P -traditional > hymain.f90

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hyconc.bb | /lib/cpp -P -traditional > hyconc.f90

rm -f hymain.b hymain.bb

rm -f hyconc.b hyconc.bb

time mpif90 -f90=ifort -o hymain.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hymain.f90

time mpif90 -f90=ifort -o hyconc.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hyconc.f90

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [HVAR]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

-----------------------------^

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [HYMACC]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

----------------------------------^

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [EMMACC]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

---------------------------------------------------^

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_TRAJ]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

-----------------------------------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYCSUM]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

--------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYXPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

---------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYYPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

----------------------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYZPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

-----------------------------------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOLAT]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

---------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOLON]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

----------------------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOHGT]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

-----------------------------------------------------------------------^

hymain.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [INITD]

 grid%dt, config\_flags%initd, config\_flags%kpuff, &

-----------------------------------------------^

hymain.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [KPUFF]

 grid%dt, config\_flags%initd, config\_flags%kpuff, &

-------------------------------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [KHMAX]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

---------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [NUMPAR]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

-----------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [MAXPAR]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

-------------------------------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [NBPTYP]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

---------------------------------------------------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [QCYCLE]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

---------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KDEF]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

-----------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KZMIX]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

-------------------------------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KBLS]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

---------------------------------------------------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [KBLT]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

---------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [VSCALE]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

-----------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [HSCALE]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

-------------------------------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [TVMIX]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

---------------------------------------------------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [TKERD]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

---------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [TKERN]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

-----------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [KMIX0]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

-------------------------------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [KMIXD]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

---------------------------------------------------------------------------------------^

hymain.f90(120): error #6460: This is not a field name that is defined in the encompassing structure. [NINIT]

 config\_flags%ninit, config\_flags%ndump, config\_flags%ncycl, config\_flags%conage, &

---------------------------^

hymain.f90(142): catastrophic error: Too many errors, exiting

compilation aborted for hymain.f90 (code 1)

real 0m0.101s

user 0m0.049s

sys 0m0.031s

make[2]: [hymain.o] Error 1 (ignored)

rm -f metdum.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional metdum.F > metdum.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe metdum.bb | /lib/cpp -P -traditional > metdum.f90

rm -f metdum.b metdum.bb

time mpif90 -f90=ifort -o metdum.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 metdum.f90

metdum.f90(388): error #6460: This is not a field name that is defined in the encompassing structure. [VSCALE]

 CALL PRFCOM(config\_flags%vscale,config\_flags%hscale, &

-------------------------------^

metdum.f90(388): error #6460: This is not a field name that is defined in the encompassing structure. [HSCALE]

 CALL PRFCOM(config\_flags%vscale,config\_flags%hscale, &

---------------------------------------------------^

metdum.f90(389): error #6460: This is not a field name that is defined in the encompassing structure. [TKERD]

 config\_flags%tkerd,config\_flags%tkern, &

-------------------------------^

metdum.f90(389): error #6460: This is not a field name that is defined in the encompassing structure. [TKERN]

 config\_flags%tkerd,config\_flags%tkern, &

--------------------------------------------------^

metdum.f90(391): error #6460: This is not a field name that is defined in the encompassing structure. [KMIXD]

 config\_flags%kmixd,config\_flags%kmix0, &

-------------------------------^

metdum.f90(391): error #6460: This is not a field name that is defined in the encompassing structure. [KMIX0]

 config\_flags%kmixd,config\_flags%kmix0, &

--------------------------------------------------^

compilation aborted for metdum.f90 (code 1)

real 0m0.106s

user 0m0.065s

sys 0m0.018s

make[2]: [metdum.o] Error 1 (ignored)

rm -f metini.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional metini.F > metini.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe metini.bb | /lib/cpp -P -traditional > metini.f90

rm -f metini.b metini.bb

time mpif90 -f90=ifort -o metini.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 metini.f90

metini.f90(339): error #6460: This is not a field name that is defined in the encompassing structure. [KDEF]

 DREC%KDEF=MAX(0,MIN(1,config\_flags%kdef))

-------------------------------------^

metini.f90(339): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KDEF=MAX(0,MIN(1,config\_flags%kdef))

------------------------^

metini.f90(340): error #6460: This is not a field name that is defined in the encompassing structure. [KBLS]

 DREC%KBLS=MAX(1,MIN(2,config\_flags%kbls))

-------------------------------------^

metini.f90(340): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KBLS=MAX(1,MIN(2,config\_flags%kbls))

------------------------^

metini.f90(341): error #6460: This is not a field name that is defined in the encompassing structure. [KBLT]

 DREC%KBLT=MAX(1,MIN(4,config\_flags%kblt))

-------------------------------------^

metini.f90(341): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KBLT=MAX(1,MIN(4,config\_flags%kblt))

------------------------^

metini.f90(342): error #6460: This is not a field name that is defined in the encompassing structure. [KZMIX]

 DREC%KZMIX=MAX(0,MIN(1,config\_flags%kzmix))

--------------------------------------^

metini.f90(342): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KZMIX=MAX(0,MIN(1,config\_flags%kzmix))

-------------------------^

metini.f90(343): error #6460: This is not a field name that is defined in the encompassing structure. [TVMIX]

 DREC%TVMIX=MAX(0.01,MIN(100.0,config\_flags%tvmix))

---------------------------------------------^

metini.f90(343): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%TVMIX=MAX(0.01,MIN(100.0,config\_flags%tvmix))

--------------------------------^

compilation aborted for metini.f90 (code 1)

real 0m0.087s

user 0m0.053s

sys 0m0.015s

make[2]: [metini.o] Error 1 (ignored)

rm -f hyrctl.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hyrctl.F > hyrctl.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hyrctl.bb | /lib/cpp -P -traditional > hyrctl.f90

rm -f hyrctl.b hyrctl.bb

time mpif90 -f90=ifort -o hyrctl.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hyrctl.f90

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMLOC]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

-------------------------------------^

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMMET]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

---------------------------------------------------------^

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMTYP]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

-----------------------------------------------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMGRD]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

-------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMHGT]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

---------------------------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMPOL]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

-----------------------------------------------------------------------------^

hyrctl.f90(104): error #6460: This is not a field name that is defined in the encompassing structure. [HVAR]

 call tm2min(iyr,imo,ida,ihr,imn,grid%hvar%hymacc)

---------------------------------------^

hyrctl.f90(104): error #6460: This is not a field name that is defined in the encompassing structure. [HYMACC]

 call tm2min(iyr,imo,ida,ihr,imn,grid%hvar%hymacc)

--------------------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLAT]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

---------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLON]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

-----------------------------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLVL]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

-------------------------------------------------------------------------^

hyrctl.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_TRAJ]

 if (config\_flags%run\_traj .eq. 1) return

-------------------^

hyrctl.f90(140): error #6460: This is not a field name that is defined in the encompassing structure. [IDENT]

 grid%hvar%ident(nn)=nn

---------------^

hyrctl.f90(140): internal error: Please visit 'http://www.intel.com/software/products/support' for assistance.

 grid%hvar%ident(nn)=nn

^

[ Aborting due to internal error. ]

compilation aborted for hyrctl.f90 (code 1)

real 0m0.082s

user 0m0.045s

sys 0m0.018s

make[2]: [hyrctl.o] Error 1 (ignored)

rm -f hyrems.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hyrems.F > hyrems.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hyrems.bb | /lib/cpp -P -traditional > hyrems.f90

rm -f hyrems.b hyrems.bb

time mpif90 -f90=ifort -o hyrems.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hyrems.f90

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [NUMEMS]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

-----------------------------------------^

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [EVAR]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

----------------------------------------------------------^

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [EMLON]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

---------------------------------------------------------------^

hyrems.f90(80): error #6361: An array-valued argument is required in this context. [SIZE]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

-----------------------------------------------------^

hyrems.f90(82): error #6460: This is not a field name that is defined in the encompassing structure. [EFILE]

 fname=config\_flags%efile

---------------------^

hyrems.f90(82): error #6054: A CHARACTER data type is required in this context. [EFILE]

 fname=config\_flags%efile

---------------------^

hyrems.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [EMLAT]

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

---------------------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

-----------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

--------------------------------^

hyrems.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [EMLVL]

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

---------------------------------------------------------------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

-----------------------------------------------------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [ERATE]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

---------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

-----------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [EAREA]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

------------------------------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

--------------------------------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [EHEAT]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

---------------------------------------------------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

-----------------------------------------------------^

hyrems.f90(120): error #6460: This is not a field name that is defined in the encompassing structure. [NMSST]

 call tm2min(kyr,kmo,kda,khr,kmn,grid%evar%nmsst(nct))

-------------------------------------------------^

hyrems.f90(121): error #6460: This is not a field name that is defined in the encompassing structure. [NMSEN]

 grid%evar%nmsen(nct)=grid%evar%nmsst(nct)+kdur

-----------------^

hyrems.f90(121): internal error: Please visit 'http://www.intel.com/software/products/support' for assistance.

 grid%evar%nmsen(nct)=grid%evar%nmsst(nct)+kdur

^

[ Aborting due to internal error. ]

compilation aborted for hyrems.f90 (code 1)

real 0m0.085s

user 0m0.049s

sys 0m0.015s

make[2]: [hyrems.o] Error 1 (ignored)

real 0m2.092s

user 0m2.019s

sys 0m0.048s

if [ 0 -eq 1 ] ; then \

 make -i -r nmm\_contrib ; \

 ar ru ../main/libwrflib.a funits.o metval.o stbcon.o adv2nt.o adv2pt.o adv3nt.o adviec.o advmet.o advpnt.o condsk.o conini.o conset.o consum.o avgcon.o conzro.o dalloc.o decodi.o decodr.o depdry.o depelm.o deprad.o depset.o depsus.o emsini.o emspnt.o emstmp.o eta2ht.o eta2zx.o ht2eta.o hyconc.o hymain.o metdum.o metini.o pardsp.o parout.o parvar.o prfcom.o pufdel.o hyrctl.o hyrems.o stbanl.o stbvar.o tm2day.o tm2min.o tminit.o

^

hymain.f90(142): catastrophic error: Too many errors, exiting

compilation aborted for hymain.f90 (code 1)

real 0m0.101s

user 0m0.049s

sys 0m0.031s

make[2]: [hymain.o] Error 1 (ignored)

rm -f metdum.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional metdum.F > metdum.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe metdum.bb | /lib/cpp -P -traditional > metdum.f90

rm -f metdum.b metdum.bb

time mpif90 -f90=ifort -o metdum.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 metdum.f90

metdum.f90(388): error #6460: This is not a field name that is defined in the encompassing structure. [VSCALE]

 CALL PRFCOM(config\_flags%vscale,config\_flags%hscale, &

-------------------------------^

metdum.f90(388): error #6460: This is not a field name that is defined in the encompassing structure. [HSCALE]

 CALL PRFCOM(config\_flags%vscale,config\_flags%hscale, &

---------------------------------------------------^

metdum.f90(389): error #6460: This is not a field name that is defined in the encompassing structure. [TKERD]

 config\_flags%tkerd,config\_flags%tkern, &

-------------------------------^

metdum.f90(389): error #6460: This is not a field name that is defined in the encompassing structure. [TKERN]

 config\_flags%tkerd,config\_flags%tkern, &

--------------------------------------------------^

metdum.f90(391): error #6460: This is not a field name that is defined in the encompassing structure. [KMIXD]

 config\_flags%kmixd,config\_flags%kmix0, &

-------------------------------^

metdum.f90(391): error #6460: This is not a field name that is defined in the encompassing structure. [KMIX0]

 config\_flags%kmixd,config\_flags%kmix0, &

--------------------------------------------------^

compilation aborted for metdum.f90 (code 1)

real 0m0.106s

user 0m0.065s

sys 0m0.018s

make[2]: [metdum.o] Error 1 (ignored)

rm -f metini.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional metini.F > metini.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe metini.bb | /lib/cpp -P -traditional > metini.f90

rm -f metini.b metini.bb

time mpif90 -f90=ifort -o metini.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 metini.f90

metini.f90(339): error #6460: This is not a field name that is defined in the encompassing structure. [KDEF]

 DREC%KDEF=MAX(0,MIN(1,config\_flags%kdef))

-------------------------------------^

metini.f90(339): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KDEF=MAX(0,MIN(1,config\_flags%kdef))

------------------------^

metini.f90(340): error #6460: This is not a field name that is defined in the encompassing structure. [KBLS]

 DREC%KBLS=MAX(1,MIN(2,config\_flags%kbls))

-------------------------------------^

metini.f90(340): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KBLS=MAX(1,MIN(2,config\_flags%kbls))

------------------------^

metini.f90(341): error #6460: This is not a field name that is defined in the encompassing structure. [KBLT]

 DREC%KBLT=MAX(1,MIN(4,config\_flags%kblt))

-------------------------------------^

metini.f90(341): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KBLT=MAX(1,MIN(4,config\_flags%kblt))

------------------------^

metini.f90(342): error #6460: This is not a field name that is defined in the encompassing structure. [KZMIX]

 DREC%KZMIX=MAX(0,MIN(1,config\_flags%kzmix))

--------------------------------------^

metini.f90(342): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%KZMIX=MAX(0,MIN(1,config\_flags%kzmix))

-------------------------^

metini.f90(343): error #6460: This is not a field name that is defined in the encompassing structure. [TVMIX]

 DREC%TVMIX=MAX(0.01,MIN(100.0,config\_flags%tvmix))

---------------------------------------------^

metini.f90(343): error #6363: The intrinsic data types of the arguments must be the same. [MIN]

 DREC%TVMIX=MAX(0.01,MIN(100.0,config\_flags%tvmix))

--------------------------------^

compilation aborted for metini.f90 (code 1)

real 0m0.087s

user 0m0.053s

sys 0m0.015s

make[2]: [metini.o] Error 1 (ignored)

rm -f hyrctl.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hyrctl.F > hyrctl.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hyrctl.bb | /lib/cpp -P -traditional > hyrctl.f90

rm -f hyrctl.b hyrctl.bb

time mpif90 -f90=ifort -o hyrctl.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hyrctl.f90

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMLOC]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

-------------------------------------^

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMMET]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

---------------------------------------------------------^

hyrctl.f90(85): error #6460: This is not a field name that is defined in the encompassing structure. [NUMTYP]

 print \*,'nnn numloc=',config\_flags%numloc,config\_flags%nummet,config\_flags%numtyp

-----------------------------------------------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMGRD]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

-------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMHGT]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

---------------------------------------------------------^

hyrctl.f90(86): error #6460: This is not a field name that is defined in the encompassing structure. [NUMPOL]

 print \*,'nnn numgrd=',config\_flags%numgrd,config\_flags%numhgt,config\_flags%numpol

-----------------------------------------------------------------------------^

hyrctl.f90(104): error #6460: This is not a field name that is defined in the encompassing structure. [HVAR]

 call tm2min(iyr,imo,ida,ihr,imn,grid%hvar%hymacc)

---------------------------------------^

hyrctl.f90(104): error #6460: This is not a field name that is defined in the encompassing structure. [HYMACC]

 call tm2min(iyr,imo,ida,ihr,imn,grid%hvar%hymacc)

--------------------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLAT]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

---------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLON]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

-----------------------------------------------------^

hyrctl.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [HYLVL]

 call decodr(iunit,grid%hvar%hylat(nn),grid%hvar%hylon(nn),grid%hvar%hylvl(nn))

-------------------------------------------------------------------------^

hyrctl.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_TRAJ]

 if (config\_flags%run\_traj .eq. 1) return

-------------------^

hyrctl.f90(140): error #6460: This is not a field name that is defined in the encompassing structure. [IDENT]

 grid%hvar%ident(nn)=nn

---------------^

hyrctl.f90(140): internal error: Please visit 'http://www.intel.com/software/products/support' for assistance.

 grid%hvar%ident(nn)=nn

^

[ Aborting due to internal error. ]

compilation aborted for hyrctl.f90 (code 1)

real 0m0.082s

user 0m0.045s

sys 0m0.018s

make[2]: [hyrctl.o] Error 1 (ignored)

rm -f hyrems.o

/lib/cpp -P -I/home/nwp/WRF3.8/WRFV3/inc -DEM\_CORE=1 -DNMM\_CORE=0 -DNMM\_MAX\_DIM=2600 -DCOAMPS\_CORE=0 -DDA\_CORE=0 -DEXP\_CORE=0 -DIWORDSIZE=4 -DDWORDSIZE=8 -DRWORDSIZE=4 -DLWORDSIZE=4 -DNONSTANDARD\_SYSTEM\_FUNC -DWRF\_USE\_CLM -DDM\_PARALLEL -DNETCDF -DUSE\_ALLOCATABLES -DGRIB1 -DINTIO -DKEEP\_INT\_AROUND -DLIMIT\_ARGS -DCONFIG\_BUF\_LEN=65536 -DMAX\_DOMAINS\_F=21 -DMAX\_HISTORY=25 -DNMM\_NEST=0 -DWRF\_CHEM -DBUILD\_CHEM=1 -DWRF\_KPP -I. -traditional hyrems.F > hyrems.bb

/home/nwp/WRF3.8/WRFV3/tools/standard.exe hyrems.bb | /lib/cpp -P -traditional > hyrems.f90

rm -f hyrems.b hyrems.bb

time mpif90 -f90=ifort -o hyrems.o -c -O3 -ip -fp-model precise -w -ftz -align all -fno-alias -FR -convert big\_endian -I../dyn\_em -I../dyn\_nmm -I/home/nwp/WRF3.8/WRFV3/external/esmf\_time\_f90 -I/home/nwp/WRF3.8/WRFV3/main -I/home/nwp/WRF3.8/WRFV3/external/io\_netcdf -I/home/nwp/WRF3.8/WRFV3/external/io\_int -I/home/nwp/WRF3.8/WRFV3/frame -I/home/nwp/WRF3.8/WRFV3/share -I/home/nwp/WRF3.8/WRFV3/phys -I/home/nwp/WRF3.8/WRFV3/chem -I/home/nwp/WRF3.8/WRFV3/inc -I/usr/local/include -real-size `expr 8 \\* 4` -i4 hyrems.f90

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [NUMEMS]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

-----------------------------------------^

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [EVAR]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

----------------------------------------------------------^

hyrems.f90(80): error #6460: This is not a field name that is defined in the encompassing structure. [EMLON]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

---------------------------------------------------------------^

hyrems.f90(80): error #6361: An array-valued argument is required in this context. [SIZE]

 print \*,'nnn hysp/hyrems',config\_flags%numems,size(grid%evar%emlon)

-----------------------------------------------------^

hyrems.f90(82): error #6460: This is not a field name that is defined in the encompassing structure. [EFILE]

 fname=config\_flags%efile

---------------------^

hyrems.f90(82): error #6054: A CHARACTER data type is required in this context. [EFILE]

 fname=config\_flags%efile

---------------------^

hyrems.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [EMLAT]

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

---------------------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

-----------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

--------------------------------^

hyrems.f90(114): error #6460: This is not a field name that is defined in the encompassing structure. [EMLVL]

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

---------------------------------------------------------------^

hyrems.f90(114): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%emlat(nct),grid%evar%emlon(nct),grid%evar%emlvl(nct), &

-----------------------------------------------------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [ERATE]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

---------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

-----------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [EAREA]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

------------------------------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

--------------------------------^

hyrems.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [EHEAT]

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

---------------------------------------------------------------^

hyrems.f90(115): error #6358: Constants and expressions are invalid in read-only I/O lists.

 grid%evar%erate(nct),grid%evar%earea(nct),grid%evar%eheat(nct)

-----------------------------------------------------^

hyrems.f90(120): error #6460: This is not a field name that is defined in the encompassing structure. [NMSST]

 call tm2min(kyr,kmo,kda,khr,kmn,grid%evar%nmsst(nct))

-------------------------------------------------^

hyrems.f90(121): error #6460: This is not a field name that is defined in the encompassing structure. [NMSEN]

 grid%evar%nmsen(nct)=grid%evar%nmsst(nct)+kdur

-----------------^

hyrems.f90(121): internal error: Please visit 'http://www.intel.com/software/products/support' for assistance.

 grid%evar%nmsen(nct)=grid%evar%nmsst(nct)+kdur

^

[ Aborting due to internal error. ]

compilation aborted for hyrems.f90 (code 1)

real 0m0.085s

user 0m0.049s

sys 0m0.015s

make[2]: [hyrems.o] Error 1 (ignored)

real 0m2.092s

user 0m2.019s

sys 0m0.048s

if [ 0 -eq 1 ] ; then \

 make -i -r nmm\_contrib ; \

 ar ru ../main/libwrflib.a funits.o metval.o stbcon.o adv2nt.o adv2pt.o adv3nt.o adviec.o advmet.o advpnt.o condsk.o conini.o conset.o consum.o avgcon.o conzro.o dalloc.o decodi.o decodr.o depdry.o depelm.o deprad.o depset.o depsus.o emsini.o emspnt.o emstmp.o eta2ht.o eta2zx.o ht2eta.o hyconc.o hymain.o metdum.o metini.o pardsp.o parout.o parvar.o prfcom.o pufdel.o hyrctl.o hyrems.o stbanl.o stbvar.o tm2day.o tm2min.o tminit.o ; \

 else \

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [HYMACC]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

----------------------------------^

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [EMMACC]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

---------------------------------------------------^

hymain.f90(109): error #6460: This is not a field name that is defined in the encompassing structure. [RUN\_TRAJ]

 print \*,'aaa hymacc=',grid%hvar%hymacc,grid%hvar%emmacc,config\_flags%run\_traj

-----------------------------------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYCSUM]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

--------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYXPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

---------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYYPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

----------------------------------------------------------^

hymain.f90(110): error #6460: This is not a field name that is defined in the encompassing structure. [HYZPOS]

 CALL HYCONC(hyeta, neta, grid%hycsum, grid%hyxpos, grid%hyypos, grid%hyzpos, &

-----------------------------------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOLAT]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

---------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOLON]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

----------------------------------------------------------^

hymain.f90(111): error #6460: This is not a field name that is defined in the encompassing structure. [HYOHGT]

 grid%hyolat, grid%hyolon, grid%hyohgt, &

-----------------------------------------------------------------------^

hymain.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [INITD]

 grid%dt, config\_flags%initd, config\_flags%kpuff, &

-----------------------------------------------^

hymain.f90(115): error #6460: This is not a field name that is defined in the encompassing structure. [KPUFF]

 grid%dt, config\_flags%initd, config\_flags%kpuff, &

-------------------------------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [KHMAX]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

---------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [NUMPAR]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

-----------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [MAXPAR]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

-------------------------------------------------------------------^

hymain.f90(116): error #6460: This is not a field name that is defined in the encompassing structure. [NBPTYP]

 config\_flags%khmax, config\_flags%numpar,config\_flags%maxpar,config\_flags%nbptyp, &

---------------------------------------------------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [QCYCLE]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

---------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KDEF]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

-----------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KZMIX]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

-------------------------------------------------------------------^

hymain.f90(117): error #6460: This is not a field name that is defined in the encompassing structure. [KBLS]

 config\_flags%qcycle,config\_flags%kdef, config\_flags%kzmix, config\_flags%kbls, &

---------------------------------------------------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [KBLT]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

---------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [VSCALE]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

-----------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [HSCALE]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

-------------------------------------------------------------------^

hymain.f90(118): error #6460: This is not a field name that is defined in the encompassing structure. [TVMIX]

 config\_flags%kblt, config\_flags%vscale,config\_flags%hscale,config\_flags%tvmix, &

---------------------------------------------------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [TKERD]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

---------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [TKERN]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

-----------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [KMIX0]

 config\_flags%tkerd, config\_flags%tkern, config\_flags%kmix0, config\_flags%kmixd, &

-------------------------------------------------------------------^

hymain.f90(119): error #6460: This is not a field name that is defined in the encompassing structure. [KMIXD]