

[4%] Creating directories for 'UPP'
[8%] Creating directories for 'ufs-weather-model'
[12%] Creating directories for 'UFS_UTILS'
[16%] No download step for 'ufs-weather-model'
[20%] No download step for 'UFS_UTILS'
[25%] No download step for 'UPP'
[29%] No update step for 'ufs-weather-model'
[33%] No update step for 'UPP'
[37%] No update step for 'UFS_UTILS'
[41%] No patch step for 'ufs-weather-model'
[45%] No patch step for 'UPP'
[50%] No patch step for 'UFS_UTILS'
[54%] Performing configure step for 'ufs-weather-model'
[58%] Performing configure step for 'UFS_UTILS'
[62%] Performing configure step for 'UPP'
-- The Fortran compiler identification is GNU 9.2.0
-- The C compiler identification is GNU 9.2.0
-- The C compiler identification is GNU 9.2.0
-- Detecting Fortran compiler ABI info
-- The Fortran compiler identification is GNU 9.2.0
-- Detecting C compiler ABI info
-- Detecting Fortran compiler ABI info - done
-- Check for working Fortran compiler: /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran - skipped
-- Checking whether /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran supports Fortran 90
-- The CXX compiler identification is GNU 9.2.0
-- Detecting C compiler ABI info - done
-- Check for working C compiler: /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gcc - skipped
-- Detecting C compile features
-- Detecting C compile features - done
-- Detecting Fortran compiler ABI info
-- Checking whether /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran supports Fortran 90 - yes
-- Setting build type to 'Release' as none was specified.
-- The Fortran compiler identification is GNU 9.2.0
-- Detecting C compiler ABI info
-- Detecting Fortran compiler ABI info - done
-- Check for working Fortran compiler: /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran - skipped
-- Checking whether /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran supports Fortran 90
-- Detecting C compiler ABI info - done
-- Checking whether /blues/gpfs/software/centos7/spack-latest/opt/spack/linux-centos7-x86_64/gcc-6.5.0/gcc-9.2.0-pkmzcht/bin/gfortran supports Fortran 90 - yes
-- Check for working C compiler: /soft/openmpi/4.1.2/bebop-bdw/bin/mpicc - skipped
-- Detecting C compile features
-- Setting build type to 'Release' as none was specified.
-- Detecting C compile features - done
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Check for working CXX compiler: /soft/openmpi/4.1.2/bebop-bdw/bin/mpicxx - skipped
-- Detecting CXX compile features
-- Detecting CXX compile features - done

-- Detecting Fortran compiler ABI info
-- Detecting Fortran compiler ABI info - done
-- Found MPI_C: /gpfs/fs1/home/software/openmpi/4.1.2/bebop-bdw/lib/libmpi.so (found version "3.1")
-- Check for working Fortran compiler: /soft/openmpi/4.1.2/bebop-bdw/bin/mpif90 - skipped
-- Checking whether /soft/openmpi/4.1.2/bebop-bdw/bin/mpif90 supports Fortran 90
-- Checking whether /soft/openmpi/4.1.2/bebop-bdw/bin/mpif90 supports Fortran 90 - yes

Configuring UFS app in Atmosphere Only mode

FMS ON
FV3 ON
AQM OFF
GOCART OFF
MOM6 OFF
HYCOM OFF
CICE6 OFF
WW3 OFF
STOCH_PHYS ON
CDEPS OFF
CMEPS OFF

32BIT ON
AVX2 ON
SIMDMULTIARCH OFF
DEBUG OFF
DEBUG_LINKMPI ON
INLINE_POST ON
MULTI_GASES OFF
MOVING_NEST OFF
OPENMP ON
PARALLEL_NETCDF .. OFF
JEDI_DRIVER OFF

-- Found MPI_C: /soft/openmpi/4.1.2/bebop-bdw/bin/mpicc (found version "3.1")
-- Found MPI_Fortran: /gpfs/fs1/home/software/openmpi/4.1.2/bebop-bdw/lib/libmpi_usempif08.so (found version "3.1")
-- Found MPI: TRUE (found version "3.1")
-- Found MPI_CXX: /soft/openmpi/4.1.2/bebop-bdw/bin/mpicxx (found version "3.1")
-- Found NetCDF: /lcrc/project/OW_UFS/HPC-Stack/include (found version "4.7.4") found components: Fortran
-- FindNetCDF defines targets:
-- - NetCDF_VERSION [4.7.4]
-- - NetCDF_PARALLEL [TRUE]
-- - NetCDF_C_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nc-config]
-- - NetCDF::NetCDF_C [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- - NetCDF_Fortran_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nf-config]
-- - NetCDF::NetCDF_Fortran [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- Found MPI_Fortran: /gpfs/fs1/home/software/openmpi/4.1.2/bebop-bdw/lib/libmpi_usempif08.so (found version "3.1")
-- Found MPI: TRUE (found version "3.1")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found OpenMP: TRUE (found version "4.5") found components: Fortran
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found crtmm: /lcrc/project/OW_UFS/HPC-Stack/lib/libcrtmm.a (found version "2.3.0")

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-- Found NetCDF: /lcrc/project/OW_UFS/HPC-Stack/include (found suitable version "4.7.4", minimum required is "4.3.3") found components: C Fortran
-- FindNetCDF defines targets:
-- - NetCDF_VERSION [4.7.4]
-- - NetCDF_PARALLEL [TRUE]
-- - NetCDF_C_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nc-config]
-- - NetCDF::NetCDF_C [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- - NetCDF_Fortran_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nf-config]
-- - NetCDF::NetCDF_Fortran [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- Found MPI: TRUE (found version "3.1") found components: C Fortran
-- Found ZLIB: /lcrc/project/OW_UFS/HPC-Stack/lib/libz.a (found version "1.2.11")
-- Found PNG: /lcrc/project/OW_UFS/HPC-Stack/lib64/libpng.a (found version "1.6.35")
-- Found g2: /lcrc/project/OW_UFS/HPC-Stack/lib64/libg2_4.a (found version "3.4.5")
-- Found ESMF library: /lcrc/project/OW_UFS/HPC-Stack/lib/libesmf.a
-- Found ESMF: /lcrc/project/OW_UFS/HPC-Stack/lib (found suitable version "8.2.0", minimum required is "8.0.0")
)
-- Found g2tmpl: /lcrc/project/OW_UFS/HPC-Stack/lib/libg2tmpl.a (found version "1.10.0")
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found w3emc: /lcrc/project/OW_UFS/HPC-Stack/lib64/libw3emc_4.a (found version "2.9.2")
-- Found MPI: TRUE (found version "3.1") found components: Fortran
-- Found nemsio: /lcrc/project/OW_UFS/HPC-Stack/lib64/libnemsio.a (found version "2.5.4")
-- Found sfcio: /lcrc/project/OW_UFS/HPC-Stack/lib/libsfcio.a (found version "1.4.0")
-- Found sigio: /lcrc/project/OW_UFS/HPC-Stack/lib/libsigio.a (found version "2.3.0")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found sp: /lcrc/project/OW_UFS/HPC-Stack/lib/libsp_4.a (found version "2.3.3")
-- Found w3nco: /lcrc/project/OW_UFS/HPC-Stack/lib/libw3nco_4.a (found version "2.4.0")
-- Configuring done
-- Generating done
-- Build files have been written to: /lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/build/src/UPP/src/UPP-build
[ 66%] Performing build step for 'UPP'
-- Found MPI_Fortran: /soft/openmpi/4.1.2/bebop-bdw/bin/mpif90 (found version "3.1")
-- Found MPI: TRUE (found version "3.1")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found OpenMP: TRUE (found version "4.5") found components: Fortran
-- Found sfcio: /lcrc/project/OW_UFS/HPC-Stack/lib/libsfcio.a (found version "1.4.0")
-- Found w3nco: /lcrc/project/OW_UFS/HPC-Stack/lib/libw3nco_4.a (found version "2.4.0")
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found bacio: /lcrc/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found w3emc: /lcrc/project/OW_UFS/HPC-Stack/lib64/libw3emc_4.a (found version "2.9.2")
-- Found MPI: TRUE (found version "3.1") found components: Fortran
-- Found nemsio: /lcrc/project/OW_UFS/HPC-Stack/lib64/libnemsio.a (found version "2.5.4")
-- Found sigio: /lcrc/project/OW_UFS/HPC-Stack/lib/libsigio.a (found version "2.3.0")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found sp: /lcrc/project/OW_UFS/HPC-Stack/lib/libsp_4.a (found version "2.3.3")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found ip: /lcrc/project/OW_UFS/HPC-Stack/lib/libip_4.a (found version "3.3.3")
-- Found ZLIB: /lcrc/project/OW_UFS/HPC-Stack/lib/libz.a (found version "1.2.11")
-- Found PNG: /lcrc/project/OW_UFS/HPC-Stack/lib64/libpng.a (found version "1.6.35")
-- Found g2: /lcrc/project/OW_UFS/HPC-Stack/lib64/libg2_4.a (found version "3.4.5")
-- Found sigio: /lcrc/project/OW_UFS/HPC-Stack/lib/libsigio.a (found version "2.3.0")
-- Configuring done
```

Scanning dependencies of target upp

- [2%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CTLBLK.f.o
- [2%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CMASSI.f.o
- [3%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GRIDSPEC.f.o
- [4%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/LOOKUP.f.o
- [4%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MASKS_mod.f.o
- [4%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/machine.f.o
- [4%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/RHGRD.f.o
- [5%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SOIL_mod.f.o
- [5%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/PMICRPH.f.o
- [6%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/RQSTFLD.f.o
- [6%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/params.F.o
- [6%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/VRBLS2D_mod.f.o
- [7%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/VRBLS3D_mod.f.o
- [8%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/VRBLS4D_mod.f.o
- [8%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/cuparm.f.o
- [8%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_config.F90.o
- [9%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_ctlblk.F90.o
- [10%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_filter.F90.o
- [10%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_indices.F90.o
- [10%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/kinds_mod.F.o
- [11%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/svptbl.f.o
- [11%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_BOURG.f.o
- [11%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/ETCALC.f.o
- [12%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/FGAMMA.f.o
- [13%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GET_BITS.f.o
- [14%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GEO_ZENITH_ANGLE.f.o
- [14%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GETGBANDSCATTER.f.o
- [15%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MSFPS.f.o

-- Generating done

- [16%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/PARA_RANGE.f.o
 - [18%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/POLEAVG.f.o
 - [18%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/retrieve_index.f.o
 - [18%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SELECT_CHANNELS.f.o
 - [19%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SETUP_SERVERS.f.o
 - [20%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SMOOTH.f.o
- Build files have been written to: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/build/src/UFS_UTILS/src/UFS_UTILS-build

- [21%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SNFRAC.f.o
- [21%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SNFRAC_GFS.f.o

-- Found OpenMP_C: -fopenmp (found version "4.5")

[70%] Performing build step for 'UFS_UTILS'

- [22%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SPLINE.f.o
- [22%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/TABLE.f.o
- [23%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/TABLEQ.f.o
- [24%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_compute.F90.o
- [25%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_algo.F90.o
- [26%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/gtg_smoothseams.F90.o
- [26%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/map_routines.F90.o

Scanning dependencies of target emcsfc_ice_blend

- [1%] Building Fortran object src/emcsfc_ice_blend.fd/CMakeFiles/emcsfc_ice_blend.dir/emcsfc_ice_blend.f90.o

Scanning dependencies of target noah_lsm_routines

Scanning dependencies of target shave

- [3%] Building Fortran object src/grid_tools.fd/shave.fd/CMakeFiles/shave.dir/shave_nc.F90.o
- [3%] Building Fortran object src/lsm_routines.fd/noah.fd/CMakeFiles/noah_lsm_routines.dir/bulk_snow_module.

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f90.o
[ 4%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/create_xgrid.c.o
Scanning dependencies of target filter_topo_lib
[ 4%] Building Fortran object src/grid_tools.fd/filter_topo.fd/CMakeFiles/filter_topo_lib.dir/utills.F90.o
[ 27%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/UPP_MATH.f.o
Scanning dependencies of target snow2mdl_lib
[ 4%] Building Fortran object src/lsm_routines.fd/noah.fd/CMakeFiles/noah_lsm_routines.dir/set_soilveg_snippet.f90.o
[ 4%] Building Fortran object src/emcsfc_snow2mdl.fd/CMakeFiles/snow2mdl_lib.dir/program_setup.F90.o
-- Found OpenMP_CXX: -fopenmp (found version "4.5")
[ 5%] Building Fortran object src/lsm_routines.fd/noah.fd/CMakeFiles/noah_lsm_routines.dir/sflx_snippet.f90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UFS_UTILS/src/fre-nctools.fd/shared_lib/create_xgrid.c: In function 'clip_2dx2d_great_circle':
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UFS_UTILS/src/fre-nctools.fd/shared_lib/create_xgrid.c:1602:6: warning: implicit declaration of function 'insertIntersect'; did you mean 'isIntersect'? [-Wimplicit-function-declaration]
1602 |     insertIntersect(grid1List, intersect[0], intersect[1], intersect[2], 0.0, u2, inbound, p1_1[0], p1_1[1], p1_1[2]);
      |     ^
      |     ~~~~~
      |     isIntersect
[ 6%] Building Fortran object src/emcsfc_snow2mdl.fd/CMakeFiles/snow2mdl_lib.dir/grib_utils.F90.o
[ 6%] Linking Fortran executable shave
[ 7%] Linking Fortran executable emcsfc_ice_blend
[ 7%] Linking Fortran static library libnoah_lsm_routines.a
[ 7%] Built target noah_lsm_routines
[ 8%] Linking Fortran static library libfilter_topo_lib.a
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found OpenMP: TRUE (found version "4.5")
[ 8%] Built target shave
[ 9%] Building Fortran object src/emcsfc_snow2mdl.fd/CMakeFiles/snow2mdl_lib.dir/model_grid.F90.o
[ 10%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/gradient_c2l.c.o
[ 10%] Built target filter_topo_lib
[ 10%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/interp.c.o
Scanning dependencies of target regional_esg_grid
[ 11%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pkind.f90.o
[ 11%] Built target emcsfc_ice_blend
[ 11%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pietc.f90.o
Scanning dependencies of target global_equiv_resol
[ 12%] Building Fortran object src/grid_tools.fd/global_equiv_resol.fd/CMakeFiles/global_equiv_resol.dir/global_equiv_resol.f90.o
-- Found NetCDF: /lcrc/project/OW_UFS/HPC-Stack/include (found version "4.7.4") found components: C Fortran
-- FindNetCDF defines targets:
-- - NetCDF_VERSION [4.7.4]
-- - NetCDF_PARALLEL [TRUE]
-- - NetCDF_C_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nc-config]
-- - NetCDF::NetCDF_C [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- - NetCDF_Fortran_CONFIG_EXECUTABLE [/lcrc/project/OW_UFS/HPC-Stack/bin/nf-config]
-- - NetCDF::NetCDF_Fortran [SHARED] [Root: /lcrc/project/OW_UFS/HPC-Stack] Lib: /lcrc/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
[ 13%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pietc_s.f90.o
-- Found ESMF: /lcrc/project/OW_UFS/HPC-Stack/lib/libesmf.a (found version "8.2.0")

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-- Found MPI: TRUE (found version "3.1") found components: Fortran
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found OpenMP: TRUE (found version "4.5") found components: Fortran
-- Found MPI: TRUE (found version "3.1")
[14%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pfun.f90.o
-- Found FMS: "/lrcr/project/OW_UFS/HPC-Stack" (Version: "2022.1.0")
-- FMS targets:
-- - FMS::fms_r4 [Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libfms_r4.a]
-- - FMS::fms_r8 [Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libfms_r8.a]
-- Found bacio: /lrcr/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found sp: /lrcr/project/OW_UFS/HPC-Stack/lib/libsp_4.a (found version "2.3.3")
-- Found w3nco: /lrcr/project/OW_UFS/HPC-Stack/lib/libw3nco_4.a (found version "2.4.0")
[14%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pmat.f90.o
[15%] Building Fortran object src/emcsfc_snow2mdl.fd/CMakeFiles/snow2mdl_lib.dir/snowdat.F90.o
[15%] Linking Fortran executable global_equiv_resol
[16%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/mosaic_util.c.o
[17%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/mpp.c.o
[28%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/xml_perl_data.f.o
[17%] Built target global_equiv_resol
Scanning dependencies of target chgres_cube_lib
[17%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/mpp_domain.c.o
[18%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/program_setup.F90.o
[19%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/mpp_io.c.o
Scanning dependencies of target orog_lib
[20%] Building Fortran object src/orog_mask_tools.fd/orog.fd/CMakeFiles/orog_lib.dir/netcdf_io.F90.o
[21%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/search_util.F90.o
[28%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/native_endianness.f.o
[22%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/read_mosaic.c.o
[28%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/ALLGETHERV_GSD.f.o
[23%] Building Fortran object src/emcsfc_snow2mdl.fd/CMakeFiles/snow2mdl_lib.dir/snow2mdl.F90.o
[28%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/AVIATION.f.o
[23%] Building C object src/fre-nctools.fd/shared_lib/CMakeFiles/shared_lib.dir/tool_util.c.o
[24%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/surface_target_data.F90.o
[29%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/BOUND.f.o
[29%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALDRG.f.o
[24%] Linking Fortran static library liborog_lib.a
[24%] Built target orog_lib
[30%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALDWP.f.o
[25%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/wam_climo_data.f90.o
[26%] Linking C static library libshared_lib.a
[26%] Built target shared_lib
[31%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALGUST.f.o
Scanning dependencies of target orog_gsl_lib
[27%] Building Fortran object src/orog_mask_tools.fd/orog_gsl.fd/CMakeFiles/orog_gsl_lib.dir/module_gsl_oro_data_lg_scale.f90.o
[27%] Linking Fortran static library libsnow2mdl_lib.a
[27%] Built target snow2mdl_lib
[28%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/utls.F90.o
Scanning dependencies of target lakefrac_lib
[28%] Building Fortran object src/orog_mask_tools.fd/lake.fd/CMakeFiles/lakefrac_lib.dir/enclosure_cnvx.F90.o
[31%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALHEL.f.o
[29%] Building Fortran object src/orog_mask_tools.fd/lake.fd/CMakeFiles/lakefrac_lib.dir/find_limit.F90.o
[30%] Linking Fortran static library liblakefrac_lib.a

```
[ 30%] Built target lakefrac_lib
[ 32%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALHEL2.f.o
[ 30%] Building Fortran object src/orog_mask_tools.fd/orog_gsl.fd/CMakeFiles/orog_gsl_lib.dir/module_gsl_oro_data_sm_scale.f90.o
[ 33%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALHEL3.f.o
-- Found Python: /home/htan/.conda/envs/ana_python/bin/python3.9 (found suitable version "3.9.5", minimum required is "3.6") found components: Interpreter
Found Python: /home/htan/.conda/envs/ana_python/bin/python3.9
Force 64 bits in stochastic_physics
Calling CCPP code generator (ccpp_prebuild.py) for suites --suites=FV3_GFS_2017_gfdlmp,FV3_GFS_2017_gfdlmp_regional,FV3_GFS_v15p2,FV3_GFS_v16,FV3_RRFS_v1beta,FV3_HRRR,FV3_RRFS_v1alpha,FV3_GFS_v15_thompson_mynn_lam3km,FV3_WoFS_v0 ...
[ 30%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/thompson_mp_climo_data.F90.o
[ 30%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/psym2.f90.o
Scanning dependencies of target inland_lib
[ 30%] Building Fortran object src/orog_mask_tools.fd/inland.fd/CMakeFiles/inland_lib.dir/nb.F90.o
[ 31%] Linking Fortran static library libinland_lib.a
[ 31%] Built target inland_lib
[ 32%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pmat2.f90.o
[ 33%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALLCL.f.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/CALLCL.f:72:20:

 72 |     DO 30 I=2,IM-1
    |         1
Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)
[ 34%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALMCVG.f.o
Scanning dependencies of target sfc_climo_gen_lib
[ 33%] Building Fortran object src/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/program_setup.f90.o
[ 35%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALMICT.f.o
[ 34%] Building Fortran object src/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/utills.f90.o
[ 34%] Building Fortran object src/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/search.f90.o
[ 35%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALPBL.f.o
[ 34%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/atmosphere_target_data.F90.o
[ 34%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/model_grid.F90.o
Scanning dependencies of target vcoord_gen_lib
[ 34%] Building Fortran object src/vcoord_gen.fd/CMakeFiles/vcoord_gen_lib.dir/driver.f90.o
[ 35%] Linking Fortran static library liborog_gsl_lib.a
[ 35%] Built target orog_gsl_lib
[ 36%] Building Fortran object src/vcoord_gen.fd/CMakeFiles/vcoord_gen_lib.dir/matrix_utils.f90.o
[ 36%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALPBLREGIME.f.o
[ 37%] Building Fortran object src/vcoord_gen.fd/CMakeFiles/vcoord_gen_lib.dir/vcoord_gen.f90.o
[ 37%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALPOT.f.o
[ 38%] Linking Fortran static library libvcoord_gen_lib.a
[ 38%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALRAD_WCLOUD_newcrtm.f.o
[ 38%] Built target vcoord_gen_lib
Scanning dependencies of target gblevents
Scanning dependencies of target fvcom_tools_lib
[ 38%] Building Fortran object src/gblevents.fd/CMakeFiles/gblevents.dir/gblevents.f.o
[ 39%] Building Fortran object src/fvcom_tools.fd/CMakeFiles/fvcom_tools_lib.dir/kinds.f90.o
[ 40%] Building Fortran object src/fvcom_tools.fd/CMakeFiles/fvcom_tools_lib.dir/module_ncio.f90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UFS_UTILS/src/gblevents.fd/gblevents.f:2838:72:
```

```
2838 | CALL GBLEVN11(IMAX,JMAX,GRDS(1,1,NS))
```

```
| 1
```

```
Warning: Type mismatch in argument 'grid' at (1); passed REAL(4) to REAL(8) [-Wargument-mismatch]
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UFS_UTILS/sorc/gblevents.fd/gblevents.f:2885:72:
```

```
2885 | CALL GBLEVN11(IMAX,JMAX,GRDV(1,1,L,K))
```

```
| 1
```

```
Warning: Type mismatch in argument 'grid' at (1); passed REAL(4) to REAL(8) [-Wargument-mismatch]
```

```
[ 41%] Building Fortran object sorc/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/source_grid.F90.o
[ 38%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALRCH.f.o
[ 39%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALSTRM.f.o
[ 40%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALTAU.f.o
[ 42%] Building Fortran object sorc/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pmat4.f90.o
[ 40%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALTHTE.f.o
[ 41%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVESSEL.f.o
[ 41%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVIS.f.o
[ 42%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVIS_GSD.f.o
[ 42%] Building Fortran object sorc/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/model_grid.F90.o
[ 43%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_DOMINANT.f.o
[ 44%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_EXPLICIT.f.o
[ 43%] Building Fortran object sorc/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/grib2_util.F90.o
[ 43%] Building Fortran object sorc/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/static_data.F90.o
[ 43%] Building Fortran object sorc/fvcom_tools.fd/CMakeFiles/fvcom_tools_lib.dir/module_nwp_base.f90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UFS_UTILS/sorc/fvcom_tools.fd/module_nwp_base.f90:16:37:
```

```
16 | use kinds, only: r_kind, r_single, rmissing
```

```
| 1
```

```
Error: Symbol 'rmissing' referenced at (1) not found in module 'kinds'
```

```
make[5]: *** [sorc/fvcom_tools.fd/CMakeFiles/fvcom_tools_lib.dir/module_nwp_base.f90.o] Error 1
```

```
make[4]: *** [sorc/fvcom_tools.fd/CMakeFiles/fvcom_tools_lib.dir/all] Error 2
```

```
make[4]: *** Waiting for unfinished jobs....
```

```
[ 44%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT.f.o
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT.f:101:19:
```

```
101 | DO 800 I=1,IM
```

```
| 1
```

```
Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT.f:158:19:
```

```
158 | DO 850 I=1,IM
```

```
| 1
```

```
Warning: Fortran 2018 deleted feature: Shared DO termination label 850 at (1)
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT.f:198:20:
```

```
198 | DO 1900 I=1,IM
```

```
| 1
```

```
Warning: Fortran 2018 deleted feature: Shared DO termination label 1900 at (1)
```

```
[ 45%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_RAMER.f.o
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT_RAMER.f:80:19:
```

```
80 | DO 800 I=1,IM
```

```
| 1
```

```
Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)
```


/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT_RAMER.f:376:19:

```
376 | DO 900 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 900 at (1)

[46%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_REVISIED.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT_REVISIED.f:91:19:

```
91 | DO 800 I=1,IM
   |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT_REVISIED.f:148:19:

```
148 | DO 850 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 850 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/CALWXT_REVISIED.f:187:20:

```
187 | DO 1900 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 1900 at (1)

[46%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CANRES.f.o

[47%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CLDFRAC_ZHAO.f.o

[47%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CLMAX.f.o

[47%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/COLLECT.f.o

[44%] Building Fortran object sorc/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/input_data.F90.o

[44%] Building Fortran object sorc/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/write_data.F90.o

[48%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/COLLECT_LOC.f.o

[49%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/DEWPOINT.f.o

[45%] Linking Fortran static library libgblevents.a

[50%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/ETAMP_Q2F.f.o

[45%] Built target gblevents

[51%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/EXCH2.f.o

[51%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/EXCH.f.o

[52%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/FIXED.f.o

[53%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/get_postfilename.f.o

[46%] Building Fortran object sorc/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/interp.F90.o

[54%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/GPVS.f.o

[55%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MAPSSLP.f.o

[56%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2AGL.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/MDL2AGL.f:1026:30:

```
1026 | DO 230 I=ISTART,ISTOP
     |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 230 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/MDL2AGL.f:1227:27:

```
1227 | DO 240 I=1,IM
     |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 240 at (1)

[56%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2SIGMA2.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/MDL2SIGMA2.f:178:25:

```
178 | DO 220 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 220 at (1)
[57%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MDL2SIGMA.f.o
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/MDL2SIGMA.f:211:22:

```
211 |    DO 167 I=1,IM  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 167 at (1)
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/MDL2SIGMA.f:410:21:

```
410 |    DO 220 I=1,IM  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 220 at (1)
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/MDL2SIGMA.f:769:30:

```
769 |    DO 230 I=1,IM-MOD(j,2)  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 230 at (1)
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/MDL2SIGMA.f:861:24:

```
861 |    DO 231 I=1,IM-1  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 231 at (1)
[57%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MICROINIT.F.o
[58%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MIXLEN.f.o
[58%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MPI_FIRST.f.o
[59%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MPI_LAST.f.o
[60%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/NGMFLD.f.o
[47%] Building Fortran object src/sfc_climo_gen.fd/CMakeFiles/sfc_climo_gen_lib.dir/output.f90.o
[48%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pmat5.f90.o
[61%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/NGMSLP.f.o
[62%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/PARAMR.f.o
[49%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/pesg.f90.o
[62%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/PROCESS.f.o
[63%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SCLFLD.f.o
[64%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SERVER.f.o
[65%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SLP_new.f.o
[65%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SLP_NMM.f.o
[66%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/TRPAUS.f.o
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/SLP_NMM.f:181:21:

```
181 |    DO 240 I=2,IM-1  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 240 at (1)
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/SLP_NMM.f:207:19:

```
207 |    DO 270 I=1,IM  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 270 at (1)
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/SLP_NMM.f:372:19:

```
372 |    DO 330 I=1,IM  
    |        1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 330 at (1)
[66%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/TTBLEX.f.o

[49%] Linking Fortran static library libsfc_climo_gen_lib.a
[49%] Built target sfc_climo_gen_lib
[66%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/WETBULB.f.o
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/WETBULB.f:65:19:

```
65 | DO 125 I=1,IM  
   |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 125 at (1)

/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/WETBULB.f:135:19:

```
135 | DO 280 I=1,IM  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 280 at (1)

[67%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/WETFRZLVL.f.o
[67%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/ZENSUN.f.o
[68%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/physcons.f.o
[69%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/UPP_PHYSICS.f.o
[70%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALUPDHEL.f.o
[71%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALVOR.f.o
[72%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/ALLOCATE_ALL.f.o
-- Compile CCPP slow physics with 64-bit precision, fast physics with 32-bit precision
-- Found OpenMP_C: -fopenmp (found version "4.5")
-- Found OpenMP_CXX: -fopenmp (found version "4.5")
-- Found OpenMP_Fortran: -fopenmp (found version "4.5")
-- Found OpenMP: TRUE (found version "4.5")
-- Found Doxygen: /usr/bin/doxygen (found version "1.8.5") found components: doxygen dot
[73%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/DEALLOCATE.f.o
-- Got CCPP TYPEDEFS from cmakefile include file
-- Got CCPP SCHEMES from cmakefile include file
-- Got CCPP CAPS from cmakefile include file
-- Setting build type to 'Release'.
-- Found NetCDF: /lrcr/project/OW_UFS/HPC-Stack/include (found version "4.7.4") found components: C Fortran
-- FindNetCDF defines targets:
-- - NetCDF_VERSION [4.7.4]
-- - NetCDF_PARALLEL [TRUE]
-- - NetCDF_C_CONFIG_EXECUTABLE [/lrcr/project/OW_UFS/HPC-Stack/bin/nc-config]
-- - NetCDF::NetCDF_C [SHARED] [Root: /lrcr/project/OW_UFS/HPC-Stack] Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- - NetCDF_Fortran_CONFIG_EXECUTABLE [/lrcr/project/OW_UFS/HPC-Stack/bin/nf-config]
-- - NetCDF::NetCDF_Fortran [SHARED] [Root: /lrcr/project/OW_UFS/HPC-Stack] Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- Found NetCDF: /lrcr/project/OW_UFS/HPC-Stack/include (found version "4.7.4") found components: Fortran
-- FindNetCDF defines targets:
-- - NetCDF_VERSION [4.7.4]
-- - NetCDF_PARALLEL [TRUE]
-- - NetCDF_C_CONFIG_EXECUTABLE [/lrcr/project/OW_UFS/HPC-Stack/bin/nc-config]
-- - NetCDF::NetCDF_C [SHARED] [Root: /lrcr/project/OW_UFS/HPC-Stack] Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- - NetCDF_Fortran_CONFIG_EXECUTABLE [/lrcr/project/OW_UFS/HPC-Stack/bin/nf-config]
-- - NetCDF::NetCDF_Fortran [SHARED] [Root: /lrcr/project/OW_UFS/HPC-Stack] Lib: /lrcr/project/OW_UFS/HPC-Stack/lib/libnetcdf.so
-- Found OpenMP: TRUE (found version "4.5") found components: Fortran
-- Found bacio: /lrcr/project/OW_UFS/HPC-Stack/lib/libbacio_4.a (found version "2.4.0")
-- Found crtm: /lrcr/project/OW_UFS/HPC-Stack/lib/libcrtm.a (found version "2.3.0")
-- Found ZLIB: /lrcr/project/OW_UFS/HPC-Stack/lib/libz.a (found version "1.2.11")

```
-- Found PNG: /lrcr/project/OW_UFS/HPC-Stack/lib64/libpng.a (found version "1.6.35")
-- Found g2: /lrcr/project/OW_UFS/HPC-Stack/lib64/libg2_4.a (found version "3.4.5")
[ 50%] Building Fortran object src/grid_tools.fd/regional_esg_grid.fd/CMakeFiles/regional_esg_grid.dir/regional_esg_grid.f90.o
-- Found g2tmpl: /lrcr/project/OW_UFS/HPC-Stack/lib/libg2tmpl.a (found version "1.10.0")
-- Configuring done
[ 73%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/FILL_PSETFLD.f.o
[ 74%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/SET_LVLXML.f.o
[ 51%] Linking Fortran executable regional_esg_grid
[ 74%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/grib2_module.f.o
[ 51%] Built target regional_esg_grid
[ 75%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GFSPOST.F.o
[ 76%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/ICAOHEIGHT.f.o
-- Generating done
```

CMake Warning:

Manually-specified variables were not used by the project:

NETCDF_DIR

```
-- Build files have been written to: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/build/src/ufs-weather-model/src/ufs-weather-model-build
```

```
[ 76%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/GFIP3.f.o
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/GFSPOST.F:192:35:
```

```
192 |     call rsearch1(km,p,1,pvpb(k),l1)
    |           1
```

```
Warning: Rank mismatch in argument 'l2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/GFSPOST.F:193:35:
```

```
193 |     call rsearch1(km,p,1,pvpt(k),l2)
    |           1
```

```
Warning: Rank mismatch in argument 'l2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/GFSPOST.F:202:33:
```

```
202 |     call rsearch1(km,p,1,p(lu)+pd,ld)
    |           1
```

```
Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/GFSPOST.F:216:33:
```

```
216 |     call rsearch1(km,p,1,p(lu)+pd,ld)
    |           1
```

```
Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/GFSPOST.F:369:26:
```

```
369 | call rsearch1(k-2,h(2),1,h(k)+hd,kd)
    |           1
```

```
Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
```

```
[ 75%] Performing build step for 'ufs-weather-model'
```

```
[ 77%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/BNDLYR.f.o
```

```
[ 77%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/CALPW.f.o
```

```
Scanning dependencies of target upp
```

```
[ 1%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CMASSI.f.o
```

```
[ 1%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CTLBLK.f.o
```

```
[ 1%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/machine.f.o
```

Scanning dependencies of target stochastic_physics

- [1%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GRIDSPEC.f.o
- [1%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/halo_exchange.fv3.F90.o
- [78%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/CLDRAD.f.o
- [1%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/LOOKUP.f.o
- [79%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/FDLVL.f.o
- [2%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MASKS_mod.f.o
- [2%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/PMICRPH.f.o
- [2%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/RHGRD.f.o
- [3%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/kindef.F90.o
- [4%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/RQSTFLD.f.o
- [4%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/mpi_wrapper.F90.o
- [4%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SOIL_mod.f.o
- [4%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/params.F.o
- [4%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/VRBLS2D_mod.f.o
- [5%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/VRBLS3D_mod.f.o
- [5%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/VRBLS4D_mod.f.o
- [6%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/random_numbers.F90.o
- [6%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/mersenne_twister.F90.o
- [6%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/cuparm.f.o
- [6%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/gtg_config.F90.o
- [6%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/gtg_ctlblk.F90.o
- [7%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/gtg_filter.F90.o
- [7%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/stochy_internal_state_mod.F90.o
- [7%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/gtg_indices.F90.o
- [7%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/kinds_mod.F.o
- [7%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/svptbl.f.o
- [7%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/plumes.F90.o

Scanning dependencies of target ccpp_physics

- [7%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_BOURG.f.o
 - [7%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/machine.F.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mersenne_twister.f.o
 - [8%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/stochy_namelist_def.F90.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFDL_parse_tracers.F90.o
 - [8%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/ETCALC.f.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_rte_kind.F90.o
 - [8%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/update_ca.F90.o
 - [8%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FGAMMA.f.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/mo_rrtmgp_util_string.F90.o
 - [8%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GEO_ZENITH_ANGLE.f.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/__/framework/src/ccpp_types.F90.o
 - [8%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_mp_radar.F90.o
 - [8%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GET_BITS.f.o
 - [80%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/FRZLVL2.f.o
- /lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/FRZLVL2.f:79:18:

79 | DO 20 I=1,IM

| 1

Warning: Fortran 2018 deleted feature: Shared DO termination label 20 at (1)

- [9%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GETGBANDSCATTER.f.o
- [9%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MSFPS.f.o
- [10%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_PBL_generic_commo

n.F90.o

[80%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/FRZLVL.f.o

[10%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/namelist_soilveg.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/FRZLVL.f:76:19:

```
76 | DO 20 I=1,IM
```

```
| 1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 20 at (1)

[10%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/PARA_RANGE.f.o

[10%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/iounitdef.f.o

[11%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/POLEAVG.f.o

[11%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/namelist_soilveg_ruc.F90.o

[81%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/LFMFLD.f.o

[11%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rrtmg_lw_pre.F90.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/LFMFLD.f:75:18:

```
75 | DO 30 I=1,IM
```

```
| 1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)

[11%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/retrieve_index.f.o

[12%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/noahmp_tables.f90.o

[12%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SELECT_CHANNELS.f.o

[12%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SETUP_SERVERS.f.o

[12%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_soil_pre.F90.o

[12%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_mp_nssl_2mom.F90.o

0.o

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SMOOTH.f.o

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SNFRAC.f.o

[13%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/compsn_stochy.F90.o

Scanning dependencies of target ccpp_framework

[13%] Building Fortran object FV3/ccpp/framework/src/CMakeFiles/ccpp_framework.dir/ccpp_types.F90.o

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SNFRAC_GFS.f.o

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/SPLINE.f.o

[13%] Linking Fortran static library libccpp_framework.a

[13%] Built target ccpp_framework

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/TABLE.f.o

[13%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/TABLEQ.f.o

[14%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/spectral_transforms.F90.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/gtg_algo.F90.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/gtg_compute.F90.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/gtg_smoothseams.F90.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/map_routines.F90.o

[82%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/LFMFLD_GFS.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/src/ncep_post.fd/LFMFLD_GFS.f:81:18:

```
81 | DO 30 I=1,IM
```

```
| 1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/UPP_MATH.f.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/xml_perl_data.f.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/native_endianness.f.o

[83%] Building Fortran object src/ncep_post.fd/CMakeFiles/upp.dir/MDL2P.f.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/ALLGETHERV_GSD.f.o

[14%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/AVIATION.f.o

[14%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/lndp_apply_perts.F90.o

[14%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/BOUND.f.o
[15%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALDRG.f.o
[15%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALDWP.f.o
[16%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/cellular_automata_global.F90.o
[16%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALGUST.f.o
[16%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALHEL.f.o
[16%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/cellular_automata_sgs.F90.o
[16%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/stochy_patterngenerator.F90.o
[83%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2THANDPV.f.o
[84%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MDLFLD.f.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/MDLFLD.f:3413:37:

```
3413 |          GRID1(I,J)=REF_10CM(I,J,Zm10c(I,J))  
      |          1
```

Warning: Legacy Extension: REAL array index at (1)

/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/UPP/sorc/ncep_post.fd/MDLFLD.f:3424:32:

```
3424 |          GRID1(I,J)=DBZ(I,J,Zm10c(I,J))  
      |          1
```

Warning: Legacy Extension: REAL array index at (1)

[16%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALHEL2.f.o
[16%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/stochy_data_mod.F90.o
[16%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/get_stochy_pattern.F90.o
[17%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALHEL3.f.o
[17%] Building Fortran object stochastic_physics/CMakeFiles/stochastic_physics.dir/stochastic_physics.F90.o
[17%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALLCL.f.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/CALLCL.f:7
2:20:

```
72 |    DO 30 I=2,IM-1  
   |    1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)

[17%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALMCVG.f.o
[17%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALMICT.f.o
[17%] Linking Fortran static library libstochastic_physics.a
[17%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALPBL.f.o
[17%] Built target stochastic_physics
[18%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALPBLREGIME.f.o
[18%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/physparam.f.o
[84%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/OTLFT.f.o
[18%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALPOT.f.o
[18%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/ozne_def.f.o
[18%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALRAD_WCLOUD_newcrtn.f.o
[19%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALRCH.f.o
[19%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALSTRM.f.o
[19%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALTAU.f.o
[19%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALTHTE.f.o
[20%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVESSEL.f.o
[20%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVIS.f.o
[20%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVIS_GSD.f.o
[21%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_DOMINANT.f.o
[52%] Building Fortran object sorc/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/atmosphere.F90.o
[21%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_EXPLICIT.f.o
[21%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALWXT.f.o

[21%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_RAMER.f.o
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT.f:1
01:19:

```
101 | DO 800 I=1,IM  
    |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT.f:1
58:19:

```
158 | DO 850 I=1,IM  
    |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 850 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT.f:1
98:20:

```
198 | DO 1900 I=1,IM  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 1900 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT_R
AMER.f:80:19:

```
80 | DO 800 I=1,IM  
   |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT_R
AMER.f:376:19:

```
376 | DO 900 I=1,IM  
    |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 900 at (1)
[21%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CALWXT_REVISED.f.o
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT_R
EVISED.f:91:19:

```
91 | DO 800 I=1,IM  
   |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 800 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT_R
EVISED.f:148:19:

```
148 | DO 850 I=1,IM  
    |         1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 850 at (1)
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/src/ncep_post.fd/CALWXT_R
EVISED.f:187:20:

```
187 | DO 1900 I=1,IM  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 1900 at (1)

[22%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CANRES.f.o
[22%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CLMAX.f.o
[22%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/CLDFRAC_ZHAO.f.o
[22%] Building Fortran object FV3/upp/src/ncep_post.fd/CMakeFiles/upp.dir/COLLECT.f.o
[53%] Building Fortran object src/chgres_cube.fd/CMakeFiles/chgres_cube_lib.dir/surface.F90.o

[22%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/COLLECT_LOC.f.o
[22%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/DEWPOINT.f.o
[22%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/ETAMP_Q2F.f.o
[85%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/OTLIFT.f.o
[22%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/EXCH2.f.o
[23%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/EXCH.f.o
[23%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FIXED.f.o
[23%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/physcons.F90.o
[23%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/mo_rrtmgp_constants.F90.o
[23%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/kernels/mo_rrtmgp_util_reorder_kernels.F90.o
[23%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/get_postfilename.f.o
[23%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/gwdps.f.o
[23%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GPVS.f.o
[23%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_ugwp_post.F90.o
[24%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cnvc90.f.o
[24%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/dcyc2t3.f.o
[24%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MAPSSLP.f.o
[24%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2AGL.f.o
[24%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/get_prs_fv3.F90.o
[24%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_DCNV_generic_post.F90.o
/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2AGL.f:1026:30:

```
1026 |      DO 230 I=ISTART,ISTOP  
      |          1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 230 at (1)

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2AGL.f:1227:27:

```
1227 |      DO 240 I=1,IM  
      |          1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 240 at (1)

[24%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_DCNV_generic_pre.F90.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_GWD_generic_post.F90.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_GWD_generic_pre.F90.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_MP_generic_post.F90.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_MP_generic_pre.F90.o

[25%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2SIGMA2.f.o

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2SIGMA2.f:178:25:

```
178 |      DO 220 I=1,IM  
      |          1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 220 at (1)

[25%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2SIGMA.f.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_SCNV_generic_post.F90.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2SIGM
A.f:211:22:

```
211 | DO 167 I=1,IM  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 167 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2SIGM
A.f:410:21:

```
410 | DO 220 I=1,IM  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 220 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2SIGM
A.f:769:30:

```
769 | DO 230 I=1,IM-MOD(j,2)  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 230 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDL2SIGM
A.f:861:24:

```
861 | DO 231 I=1,IM-1  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 231 at (1)

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_SCNV_generic_pre.F
90.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_1.F9
0.o

[25%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MICROINIT.F.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_2.F9
0.o

[25%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_3.F9
0.o

[26%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MIXLEN.f.o

[26%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_stateout_reset.F
90.o

[26%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MPI_FIRST.f.o

[26%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MPI_LAST.f.o

[27%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/NGMFLD.f.o

[27%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/NGMSLP.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/PARAMR.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/PROCESS.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SCLFLD.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SERVER.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SLP_new.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SLP_NMM.f.o

[28%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/TRPAUS.f.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/SLP_NMM.f:
181:21:

```
181 | DO 240 I=2,IM-1  
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 240 at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/SLP_NMM.f:
207:19:

207 | DO 270 I=1,IM

| 1

Warning: Fortran 2018 deleted feature: Shared DO termination label 270 at (1)

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/SLP_NMM.f:372:19:

372 | DO 330 I=1,IM

| 1

Warning: Fortran 2018 deleted feature: Shared DO termination label 330 at (1)

[29%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/TTBLEX.f.o

[29%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/WETBULB.f.o

[30%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_stateout_update.F90.o

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/WETBULB.f:65:19:

65 | DO 125 I=1,IM

| 1

Warning: Fortran 2018 deleted feature: Shared DO termination label 125 at (1)

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/WETBULB.f:135:19:

135 | DO 280 I=1,IM

| 1

Warning: Fortran 2018 deleted feature: Shared DO termination label 280 at (1)

[30%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/WETFRZLVL.f.o

[30%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_composites_1nter.F90.o

[31%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/ZENSUN.f.o

[86%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2STD_P.f.o

[87%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/MISCLN.f.o

[31%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/physcons.f.o

[31%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/UPP_PHYSICS.f.o

[32%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/ALLOCATE_ALL.f.o

[88%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/READ_xml.f.o

[88%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/SET_OUTFLDS.f.o

[32%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALUPDHEL.f.o

[88%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.dir/SURFCE.f.o

[32%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALVOR.f.o

[33%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/DEALLOCATE.f.o

[33%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FILL_PSETFLD.f.o

[34%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SET_LVLSEXML.f.o

[34%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_diff.f.o

[35%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/grib2_module.f.o

[35%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/BNDLYR.f.o

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_generic_post.F90.o

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/surface_perturbation.F90.o

[35%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CALPW.f.o

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_loop_control_part1.F90.o

[54%] Linking Fortran static library libchgres_cube_lib.a

[35%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/CLDRAD.f.o

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_loop_control

_part2.F90.o

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/maximum_hourly_diagnost
ics.F90.o

[54%] Built target chgres_cube_lib

make[3]: *** [all] Error 2

make[2]: *** [src/UFS_UTILS/src/UFS_UTILS-stamp/UFS_UTILS-build] Error 2

make[1]: *** [src/CMakeFiles/UFS_UTILS.dir/all] Error 2

make[1]: *** Waiting for unfinished jobs....

[35%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/ozphys.f.o

[35%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FDLVL.f.o

[36%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/phys_tend.F90.o

[37%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FRZLVL2.f.o

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/FRZLVL2.f:7
9:18:

```
79 | DO 20 I=1,IM
   |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 20 at (1)

[38%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_diag_post.F90.o

[38%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/FRZLVL.f.o

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/FRZLVL.f:76
:19:

```
76 | DO 20 I=1,IM
   |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 20 at (1)

[38%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/date_def.f.o

[38%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GFSPOST.F.o

[39%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_mp_thompson.F90
.o

[39%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/aerclm_def.F.o

[39%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radcons.f90.o

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/GFSPOST.F:
228:35:

```
228 | call rsearch1(km,p,1,pvpb(k),l1)
   |                   1
```

Warning: Rank mismatch in argument 'l2' at (1) (rank-1 and scalar) [-Wargument-mismatch]

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/GFSPOST.F:
229:35:

```
229 | call rsearch1(km,p,1,pvpt(k),l2)
   |                   1
```

Warning: Rank mismatch in argument 'l2' at (1) (rank-1 and scalar) [-Wargument-mismatch]

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/GFSPOST.F:
238:33:

```
238 | call rsearch1(km,p,1,p(lu)+pd,ld)
   |                   1
```

Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]

/lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/GFSPOST.F:
252:33:

```
252 | call rsearch1(km,p,1,p(lu)+pd,ld)
   |                   1
```

Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/GFSPOST.F:
443:26:

```
443 | call rsearch1(k-2,h(2),1,h(k)+hd,kd)
    |           1
```

Warning: Rank mismatch in argument 'z2' at (1) (rank-1 and scalar) [-Wargument-mismatch]
[39%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/ICAOHEIGHT.f.o
[39%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/LFMFLD.f.o
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/LFMFLD.f:7
5:18:

```
75 | DO 30 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)
[40%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/LFMFLD_GFS.f.o
[40%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2P.f.o
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/LFMFLD_G
FS.f:81:18:

```
81 | DO 30 I=1,IM
    |           1
```

Warning: Fortran 2018 deleted feature: Shared DO termination label 30 at (1)
[40%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2THANDPV.f.o
[40%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDLFLD.f.o
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDLFLD.f:3
413:37:

```
3413 | GRID1(I,J)=REF_10CM(I,J,Zm10c(I,J))
     |           1
```

Warning: Legacy Extension: REAL array index at (1)
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/upp/sorc/ncep_post.fd/MDLFLD.f:3
424:32:

```
3424 | GRID1(I,J)=DBZ(I,J,Zm10c(I,J))
     |           1
```

Warning: Legacy Extension: REAL array index at (1)
[40%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rad_sw_pre.F90.o
[40%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_stochastics.F90.o
[40%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_tauamf_data.F90.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/gcycle.F90.o
[41%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/OTLFT.f.o
[41%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/OTLIFT.f.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/iccn_def.F.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/h2ophys.f.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/ozphys_2015.f.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mp_thompson_post.F90.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mp_thompson_pre.F90.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sgscloud_radpost.F90.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/drag_suite.F90.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_sf_ruclsm.F90.o
[41%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/GFIP3.f.o
[41%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/mo_si
mple_netcdf.F90.o
[42%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MDL2STD_P.f.o

[42%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/MISCLN.f.o
[42%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/kernels/mo_luxes_broadband_kernels.F90.o
[42%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/solar_variability/mo_solar_variability.F90.o
[42%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfcsub.F.o
[89%] Linking Fortran static library libupp.a
[89%] Built target upp
[42%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/READ_xml.f.o
Scanning dependencies of target upp.x
[42%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SET_OUTFLDS.f.o
[90%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/intio_tags.f.o
[42%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/tridi.f.o
[90%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/wrf_io_flags.f.o
[91%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/ASSIGNNEMSIOVAR.f.o
[43%] Building Fortran object FV3/upp/sorc/ncep_post.fd/CMakeFiles/upp.dir/SURFCE.f.o
[91%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/GETNEMSNDSCATTER.f.o
[92%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/GFSPOSTSIG.F.o
[92%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/INITPOST_GFS_NEMS_MPIO.f.o
[93%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/INITPOST_NETCDF.f.o
[93%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/WRFPOST.f.o
[44%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/h2o_def.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/kernels/mo_optical_props_kernels.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_rte_config.F90.o
[93%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/getlvls.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_rte_util_array.F90.o
[94%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/retrieve_index.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_gfdl_cloud_microphys.F90.o
[95%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/io_int_stubs.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_ugwp_initialize.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/get_phi_fv3.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_PBL_generic_post.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_PBL_generic_pre.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_mp_thompson_make_number_concentrations.F90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_composites_pre.F90.o
[96%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/INITPOST.F.o
[97%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/INITPOST_NEMS.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/funcphys.f90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/set_soilveg.f.o
[98%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/getVariableN.f.o
[99%] Building Fortran object sorc/ncep_post.fd/CMakeFiles/upp.x.dir/getVariable.f.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/samfaerosols.F.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_nst_parameters.f90.o
[45%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/set_soilveg_ruc.F90.o
[46%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_astronomy.f.o
[46%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_cloud_overlap.F9

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0.o
[ 47%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/aerinterp.F90.o
[ 47%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/ozinterp.f90.o
[ 47%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_rad_time_vary.fv3.F90.o
0.o
[ 48%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_bl_mynn.F90.o
[ 49%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_sf_mynn.F90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/ccpp/physics/physics/module_bl_mynn.F90:6337:30:

6337 |      ENT(k,i) = 0.04*1**-0.50 - 0.0009 !more plume diversity
      |              1
Warning: Extension: Unary operator following arithmetic operator (use parentheses) at (1)
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/ccpp/physics/physics/module_bl_mynn.F90:7653:45:

7653 |      dummy_11=-0.33333*am_unst*dummy_0**-0.6666667 ! dy/dzet
      |              1
Warning: Extension: Unary operator following arithmetic operator (use parentheses) at (1)
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/ccpp/physics/physics/module_bl_mynn.F90:7704:45:

7704 |      dummy_11=-0.33333*ah_unst*dummy_0**-0.6666667 ! dy/dzet
      |              1
Warning: Extension: Unary operator following arithmetic operator (use parentheses) at (1)
[ 49%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_sf_noahmp_glacier.f90.o
[ 49%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_sf_noahmplsm.f90.o
0
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mp_nssl.F90.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/multi_gases.F90.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/tests/mo_testing_io.F90.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_ugwp_triggers.F90.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mfpl.f.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sflx.f.o
[ 50%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radlw_param.f.o
[ 51%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radsw_param.f.o
[ 51%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/mo_rrtmgp_util_reorder.F90.o
[ 51%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/gfdl_cloud_microphys.F90.o
0
[ 51%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_composites_post.F90.o
[ 52%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_surface_generic_pre.F90.o
[ 52%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_diag.f.o
[ 52%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_sice.f.o
[ 52%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_bfmicrophysics.f.o
[ 52%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_gases.f.o
[100%] Linking Fortran executable upp.x
[ 53%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/h2ointerp.f90.o
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/iccninterp.F90.o
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_time_vary_pre.fv3.F90.o
0.o

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[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mp_thompson.F90.o
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/satmedmfvdifq.F.o
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/lsm_ruc.F90.o
[100%] Built target upp.x
[ 79%] Performing install step for 'UPP'
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/kernels/mo_r
te_solver_kernels.F90.o
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/mo_h
eating_rates.F90.o
[ 89%] Built target upp
[100%] Built target upp.x
Install the project...
-- Install configuration: "Release"
[ 54%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/calpreciptype.f90.o
[ 55%] Linking Fortran static library libupp.a
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/bin/upp.x
-- Set runtime path of "/lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/bin/upp.x" to ""
-- Up-to-date: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/upp_physics.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/vrbls4d.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/svptbl_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/vrbls2d.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/masks.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/grib2_module.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/severitymaps.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/ctlblk_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/gtg_filter.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/soil.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/params_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/cloudlayers.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/kinds.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/physcons_post.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/gtg_indices.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/pmicrph_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/derivedfields.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/xml_perl_data.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/cuparm_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/rhgrd_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/rqstfld_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/vrbls3d.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/upp_math.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/gridspec_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/machine_post.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/cmassi_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/icingseverity.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/lookup_mod.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/gtg_ctlblk.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/icingpotential.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/gtg_config.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/include/native_endianness.mod
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/lib/libupp.a
-- Up-to-date: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/share/postxconfig-NT-GFS.txt
-- Up-to-date: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/share/postxconfig-NT-GFS-F00.txt
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/lib/cmake/upp/upp-config.cmake
-- Installing: /lrcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/lib/cmake/upp/upp-config-version.cmake
```


-- Installing: /lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/lib/cmake/upp/upp-targets.cmake
-- Installing: /lrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/lib/cmake/upp/upp-targets-release.cmake
[83%] Completed 'UPP'
[83%] Built target UPP
[55%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_ orowam2017.f.o
[55%] Built target upp
[55%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mfpbltq.f.o
[55%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mfscuq.f.o
[55%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_optical_p
rops.F90.o
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concentrations.F90.o
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mo_gas_optics_kernels.F90.o
[56%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/fv_sat_adj.F90.o
[56%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/cires_ugwp_module.F90.o
[57%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_4.F9
0.o
[57%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/hedmf.f.o
[57%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/lsm_noah.f.o
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[58%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/samfshalcnv.f.o
[58%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_nst_water_prop.f9
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[59%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_surface.f.o
[59%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_rrtmgp_post.F90.o
[59%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_aerosols.f.o
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[60%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/__/data/GFS_typedefs.F90.o
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unctions.F90.o
[60%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radiation_clouds.f.o
[61%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_phys_time_vary.fv3.F
90.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/mynnedmf_wrapper.F90.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/all-sky
/mo_garand_atmos_io.F90.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/rfmip-
clear-sky/mo_rfmip_io.F90.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/cloud
_optics/mo_cloud_sampling.F90.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_fluxes.F9
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[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/ugwp_driver_v0.F.o
[62%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/cloud
_optics/mo_cloud_optics.F90.o
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[63%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/module_nst_model.f90.o
[63%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_nst_post.f.o
[64%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_nst_pre.f.o

[64%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_radiation_surface.F90.o

[64%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radlw_main.F90.o

[64%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/radsw_main.F90.o

[65%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/mo_gas_optics.F90.o

[65%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/all-sky/mo_load_cloud_coefficients.F90.o

[65%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_rte_lw.F90.o

[66%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rte/mo_rte_sw.F90.o

[66%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/mo_fluxes_byband.F90.o

[67%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/mo_fluxes_bygpoint.F90.o

[67%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sfc_nst.f.o

[67%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/rrtmgp/mo_gas_optics_rrtmgp.F90.o

[67%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/extensions/mo_compute_bc.F90.o

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[67%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_rrtmg_pre.F90.o

[68%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/sgscloud_radpre.F90.o

[69%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_rrtmg_setup.F90.o

[69%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/mo_load_coefficients.F90.o

[70%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/tests/clear_sky_regression.F90.o

[70%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/rfmip-clear-sky/rrtmgp_rfmip_lw.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/rfmip-clear-sky/rrtmgp_rfmip_sw.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/rte-rrtmgp/examples/all-sky/rrtmgp_allsky.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_stochastics_cap.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15_thompson_mynn_lam3km_stochastics_cap.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/__/data/CCPP_typedefs.F90.o

[72%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_time_vary_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_time_vary_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_stochastics_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15_thompson_mynn_lam3km_time_vary_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_stochastics_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_time_vary_cap.F90.o

[73%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_stochastics_cap.F90.o

[74%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_time_vary_cap.F90.o

[74%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_HRRR_stochastics_cap.F90.o

[75%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_HRRR_time_vary_cap.F90.o

[76%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1alpha_stochastics_cap.F90.o

[76%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1alpha_time_vary_cap.F90.o

[77%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1beta_stochastics_cap.F90.o

[77%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1beta_time_vary_cap.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_WoFS_v0_stochastics_cap.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_WoFS_v0_time_vary_cap.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_rad_reset.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/__/data/CCPP_data.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_fast_physics_cap.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/physics/GFS_suite_interstitial_phys_reset.F90.o

[78%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_fast_physics_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_fast_physics_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_fast_physics_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_physics_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_radiation_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_physics_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_radiation_cap.F90.o

[79%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15_thompson_mynn_lam3km_physics_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15_thompson_mynn_lam3km_radiation_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_physics_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_radiation_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_physics_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_radiation_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_HRRR_physics_cap.F90.o

[80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_HRRR_radiation_cap.F90.o

```
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1alpha_physics_cap.F90.o
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1alpha_radiation_cap.F90.o
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1beta_physics_cap.F90.o
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1beta_radiation_cap.F90.o
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_WoFS_v0_physics_cap.F90.o
[ 80%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_WoFS_v0_radiation_cap.F90.o
[ 81%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_regional_cap.F90.o
[ 82%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_2017_gfdlmp_cap.F90.o
[ 82%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15_thompson_mynn_lam3km_cap.F90.o
[ 82%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v15p2_cap.F90.o
[ 83%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_GFS_v16_cap.F90.o
[ 83%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1alpha_cap.F90.o
[ 83%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_RRFS_v1beta_cap.F90.o
[ 83%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_HRRR_cap.F90.o
[ 83%] Building Fortran object FV3/ccpp/physics/CMakeFiles/ccpp_physics.dir/ccpp_FV3_WoFS_v0_cap.F90.o
[ 83%] Linking Fortran static library libccpp_physics.a
[ 83%] Built target ccpp_physics
Scanning dependencies of target fv3ccpp
[ 83%] Building Fortran object FV3/ccpp/CMakeFiles/fv3ccpp.dir/driver/GFS_init.F90.o
[ 83%] Building Fortran object FV3/ccpp/CMakeFiles/fv3ccpp.dir/driver/GFS_diagnostics.F90.o
[ 83%] Building Fortran object FV3/ccpp/CMakeFiles/fv3ccpp.dir/physics/ccpp_static_api.F90.o
[ 83%] Building Fortran object FV3/ccpp/CMakeFiles/fv3ccpp.dir/driver/CCPP_driver.F90.o
[ 84%] Building Fortran object FV3/ccpp/CMakeFiles/fv3ccpp.dir/driver/GFS_restart.F90.o
[ 84%] Linking Fortran static library libfv3ccpp.a
[ 84%] Built target fv3ccpp
Scanning dependencies of target fv3
[ 84%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/driver/fvGFS/DYCORE_typedefs.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_arrays.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/external_sst.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_fill.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/sim_nc_mod.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_moving_nest.F90.o
[ 85%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_moving_nest_main.F90.o
[ 86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_moving_nest_physics.F90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/moving_nest/fv_moving_nest_main.F90:1196:0:
```

```
1196 | #endif ! MOVING_NEST
```

```
|
Warning: extra tokens at end of #endif directive
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/moving_nest/fv_moving_nest_main.F90:1196:0:
```

v_moving_nest_physics.F90:1735:0:

1735 | #endif MOVING_NEST

|
Warning: extra tokens at end of #endif directive

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/moving_nest/fv_moving_nest.F90:2737:0:

2737 | #endif ! MOVING_NEST

|
Warning: extra tokens at end of #endif directive

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_moving_nest_types.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_moving_nest_utils.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/fv_tracker.F90.o
/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/moving_nest/fv_moving_nest_utils.F90:3856:0:

3856 | #endif ! MOVING_NEST

|
Warning: extra tokens at end of #endif directive

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/moving_nest/fv_tracker.F90:1835:0:

1835 | #endif !< MOVING_NEST

|
Warning: extra tokens at end of #endif directive

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/sorted_index.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_mp_mod.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/moving_nest/bounding_box.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/module_diag_hailcast.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_sg.F90.o

[86%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_timing.F90.o

[87%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/multi_gases.F90.o

[87%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_eta.F90.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/tools/fv_eta.h:984:0:

984 | #endif _FV_ETA_

|
Warning: extra tokens at end of #endif directive

[87%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/boundary.F90.o

[87%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_grid_utils.F90.o

[88%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_mapz.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/a2b_edge.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_surf_map.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/tp_core.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_grid_tools.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/molecular_diffusion.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_diag_column.F90.o

[89%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_treat_da_inc.F90.o

[90%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/init_hydro.F90.o

[91%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_iau_mod.F90.o

[91%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/sw_core.F90.o

```
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_io.F90.o
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_diagnostics.F90.o
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/coarse_graining.F90.o
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/tools/fv_diagn
ostics.h:108:0:
```

```
108 | #endif _FV_DIAG__
|
```

Warning: extra tokens at end of #endif directive

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/tools/fv_diagn
ostics.F90:1808:0:
```

```
1808 | #endif ! SW_DYNAMICS
|
```

Warning: extra tokens at end of #endif directive

```
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/coarse_grained_restart_files.F90
.o
```

```
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_regional_bc.F90.o
```

```
[ 92%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/test_cases.F90.o
```

```
[ 93%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/coarse_grained_diagnostics.F90.
o
```

```
[ 93%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_nudge.F90.o
```

```
[ 93%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/driver/fvGFS/fv_nggpps_diag.F90.o
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/tools/fv_nudge
.F90:2431:3:
```

```
2431 | 123 continue
|
```

```
| 1
```

```
.....
```

```
2483 | if ( r_vor < 1250.E3 ) goto 123
|
```

```
2
```

Warning: Legacy Extension: Label at (1) is not in the same block as the GOTO statement at (2)

```
[ 93%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_nesting.F90.o
```

```
[ 94%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/nh_utils.F90.o
```

```
[ 94%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/nh_core.F90.o
```

```
[ 94%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_tracer2d.F90.o
```

```
[ 94%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/dyn_core.F90.o
```

```
[ 95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_update_phys.F90.o
```

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/model/dyn_cor
e.F90:673:0:
```

```
673 | #endif SW_DYNAMICS
|
```

Warning: extra tokens at end of #endif directive

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/model/dyn_cor
e.F90:1124:0:
```

```
1124 | #endif SW_DYNAMICS
|
```

Warning: extra tokens at end of #endif directive

```
/lcrc/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/model/dyn_cor
e.F90:1320:0:
```

```
1320 | #endif SW_DYNAMICS
|
```

Warning: extra tokens at end of #endif directive

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/model/dyn_core.F90:1341:0:

```
1341 | #endif SW_DYNAMICS
```

```
|
```

Warning: extra tokens at end of #endif directive

[95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/external_ic.F90.o

[95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_dynamics.F90.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/atmos_cubed_sphere/model/fv_dynamics.F90:1277:0:

```
1277 | #ifdef SMALL_EARTH_TEST ! changed!!!
```

```
|
```

Warning: extra tokens at end of #ifdef directive

[95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/tools/fv_restart.F90.o

[95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/model/fv_control.F90.o

[95%] Building Fortran object FV3/atmos_cubed_sphere/CMakeFiles/fv3.dir/driver/fvGFS/atmosphere.F90.o

[96%] Linking Fortran static library libfv3.a

[96%] Built target fv3

Scanning dependencies of target fv3atm

[96%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/module_fv3_config.F90.o

[96%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/cpl/module_block_data.F90.o

[96%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/FV3GFS_io.F90.o

[96%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/cpl/module_cplfields.F90.o

[96%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/cpl/module_cap_cpl.F90.o

[97%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/module_fv3_io_def.F90.o

[97%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/stochastic_physics/stochastic_physics_wrapper.F90.o

[97%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/module_write_internal_state.F90.o

[98%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/post_nems_routines.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/module_write_netcdf.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/post_fv3.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/inline_post.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/io/module_wrt_grid_comp.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/atmos_model.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/module_fcst_grid_comp.F90.o

[99%] Building Fortran object FV3/CMakeFiles/fv3atm.dir/fv3_cap.F90.o

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/fv3_cap.F90:1063:87:

```
1063 |           call ESMF_GridRedist(srcGrid(j, n_group), dstGrid(j, n_group), routehandle=gridRedistRH(j, n_group), rc=rc)
```

```
|
```

```
1
```

Error: Keyword argument requires explicit interface for procedure 'esmf_gridredist' at (1)

/lcr/project/OW_UFS/UFS_2.0/ufs-srweather-app/src/ufs-weather-model/FV3/fv3_cap.F90:599:23:

```
599 |           grid = ESMF_GridCreate(providerGrid, acceptorDG, routehandle=gridRedistRH(j,i), rc=rc)
```

```
|
```

```
1
```

Error: There is no specific function for the generic 'esmf_gridcreate' at (1)

make[5]: *** [FV3/CMakeFiles/fv3atm.dir/fv3_cap.F90.o] Error 1

make[4]: *** [FV3/CMakeFiles/fv3atm.dir/all] Error 2

make[3]: *** [all] Error 2

make[2]: *** [src/ufs-weather-model/src/ufs-weather-model-stamp/ufs-weather-model-build] Error 2

make[1]: *** [src/CMakeFiles/ufs-weather-model.dir/all] Error 2

make: *** [all] Error 2