Implementation Instruction of CMAQ V4.7.2

1. check out CMAQ 4.7.2 from SVNEMC

svn co https://svnemc.ncep.noaa.gov/projects/aqfs/branches/cmaq.v4.7.2\_AN\_implementation\_test

/nwpara2/cmaq.v4.7.2

1. compile libraries

cd /nwpara2/cmaq.v4.7.2/lib/sorc

run script, “./build\_cmaqlib.scr” and create 6 libraries

libaqm\_ioapi.a

libaqm\_pario.a

libaqm\_sef90\_2010.a

libaqm\_fileset.a

libaqm\_edsstools.a

libaqm\_smoke.a

1. compile source code

cd /nwpara/cmaq.v4.7.2/sorc

run code compile scripts, “build\_cmaq.scr”, and will create 33 executable codes at /nwpara2/cmaq.v4.7.2/exec

1. “ecflow “files setting examples for CONUS/AK/HI can be found at ~/ecf.
2. Make sure all the emission files for the three domains (COPUS, AK, and HI) available at /com2/aqm/para2/emission
3. Make sure all the initial condition files available at /com2/aqm/para/

Please copy aqm.t${cyc}z.conc.ncf from /ptmpp2/Jianping.Huang/com2/aqm/para1/HI.${yyyy}${mm}${dd} /ptmpp2/Jianping.Huang/com2/aqm/para1/AK.${yyyy}${mm}${dd}

/ptmpp2/Jianping.Huang/com2/aqm/para1/aqm.${yyyy}${mm}${dd}

1. Copy previous month bias correction data (including airnow, grid, and interpolated data)
2. cp –rp /naqfc/noscrub/Jianping.Huang/com/aqm/para/bcdata.\* /com2/aqm/para/

Please check with Jianping Huang through his email [Jianping.Huang@noaa.gov](mailto:Jianping.Huang@noaa.gov) or extension number 3734 for any question.