**AMSU Estimation v1.3.0 Implementation Instructions**

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**Code compilation & installation**

1. *Check out v1.3.0 from the Git repository at NHC using the instructions on code delivery form (copied below).*

git clone git@git.nhc.noaa.gov:amsu\_estimation.git --branch=v1.3.0

NOTE: If you have not connected to this git repo before, you will need to reach out to the NHC POCs above to get your public SSH key added to our server.

1. *Compile and install library exectuables by going into each of the directories below and then entering the following:*

make clean

make

make install

lib/sorc/gfstopack

1. *Compile and install model executables with one of the following options:*
   1. *by going into each of the directories below and then entering the following:* make clean

make

make install

sorc/amsu\_bin2pack.fd

sorc/amsu\_bintrans.fd

sorc/amsu\_compgfs.fd

sorc/amsu\_oparet.fd

sorc/amsu\_pickgfs.fd

sorc/amsu\_pullvar.fd

sorc/amsu\_readbufr.fd

sorc/amsu\_readcarq1.fd

sorc/amsu\_readcoordinate.fd

sorc/amsu\_tempretrieve.fd

* 1. *by running the script that performs all the steps in option (a):*   
     sorc/build\_all.sh