**Python Training Preparation Activity**

Please checkout the training branch from the repository and run it in the configuration set by default in the runhwrf\_wrapper (i.e., don’t change the storm or the configuration variables set by the command line or extra conf files, only those needed for your specific account settings). This branch is expected to fail at GSI. Much of the tutorial will revolve around learning the scripts sufficiently to debug the failure. Below I outline the Jet-specific steps that are required to get the run going.

I am not looking for a failure from input (depends on your rstprod access), so I’ve included a few additional conf files so that you will be using data on disk. That is also set up and ready to go.

My shorthand below with environment variable references is as follows:

* $HOMEhwrf is the installation location
* $PARMhwrf is $HOMEhwrf/parm

1. Checkout <https://svn-dtc-hwrf.cgd.ucar.edu/branches/Python_training>. The community GSI has been included for this branch automatically. There is no need to do it separately.
2. Load the modulefile for building HWRF
   1. module use $HOMEhwrf/modulefiles/jet
   2. module load HWRF/build
3. Build
   1. cd sorc
   2. make
4. Install
   1. make install
5. Link fix files
   1. cd $HOMEhwrf
   2. ln –sf /lfs3/projects/hwrf-data/fix-files/hwrf-20150507-fix/fix/ .
6. Link system.conf.jet to system.conf
   1. cd $PARMhwrf
   2. ln –sf system.conf.jet system.conf
7. Set your user-specific conf variables
8. Change account name in rocoto/sites/\*.ent files
9. Edit your installation location in rocoto/runhwrf\_wrapper
10. Run HWRF. Submit runhwrf\_wrapper once. If successful, set up cronjob to submit with –f option frequently. Please stop your cronjob once the cycle fails.