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 stop running after the post jobs, but with no failures. The configuration is very simple, turning off most of the initialization process, and running only a 12 hour forecast.

The hands-on session at the end of the day will focus on adding a job to the workflow (separating the NHC products creation from the main products job).

Below I outline the Jet-specific steps that are required to get the run going.

To avoid failure from input (depends on your rstprod access), 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/CP_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
   a. **module use $HOMEhwrf/modulefiles/jet**
   b. **module load HWRF/build**
3. Build
   a. **cd sorc**
   b. **make**
4. Install
   a. **make install**
5. Link fix files
   a. **cd $HOMEhwrf**
   b. **ln –sf /lfs3/projects/hwrf-data/fix-files/hwrf-20151223-fix/fix/ .**
6. Link system.conf.jet to system.conf
   a. **cd $PARMhwrf**
   b. **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 has completed the post jobs.