Tier 2 data files (gridded data): Delivery Instructions

1) Files should be named using the following naming convention:

   Global
   <mdl>_<h,d><vvvv>_<yyyymmddhh>.grb

   Regional
   <mdl>_<h,d><vvvv>_<yyyymmddhh>_<basin><cyclone number><YYYY>.grb

   where,
   <mdl> = assigned model ATCF ID
   <h,d> = use "h" to designate historical or retrospective forecasts and "d" for
       demo or quasi-real-time forecasts.
   <vvvv> = use this 4-letter identifier to indicate the version of your model
       used to generate the forecast. This identifier can be as simple as the
       year in which you generated the forecast or a more sophisticated
       identifier that is directly connected to your group's method for tracking
       model versions. Please provide information on how to translate this
       identifier. Also, please keep the <h,d><vvvv> consistent with the
       corresponding Tier 1 data that has been or will be delivered.
   <yyyymmddhh> = date/time of forecast initialization.
   <basin> = ocean basin abbreviation corresponding to location of the storm
       al = North Atlantic basin, north of the Equator
       sl = South Atlantic basin, north of the Equator
       ep = North East Pacific basin, eastward of 140°W
       cp = North Central Pacific basin, between the dateline and 140°W
       wp = North West Pacific basin, westward of the dateline
       io = North Indian Ocean basin, north of the Equator, between 40°E and
       100 E
       sh = South Pacific Ocean basin and South Indian Ocean basin
   <cyclone number> = 01 – 49, 80 – 89 "training/test", 90 – 99 "invests"
   <YYYY> = year portion of the full ATCF ID for the storm – year of the
       hurricane (e.g., 2010)

2) Files should be on the jet (NOAA/GSD). You will need an account on this
   system; please contact your data manager if you need assistance in setting
   up an account.

   Delivery to jet:
   There are two available methods of delivery to jet. The first is to have the
   files in a directory of your choosing and inform your data manager of the
   path to where the files reside.

   The second method of delivery is to copy the data files directly to the tcmt
   project directory (/lfs1/projects/tcmt/tier2).

Helpful advice regarding file transfer to jet:
If you need to open an account on jet, download the application form from
http://rdhpcs.noaa.gov/boulder/hpcs_applications.html. Fax the
completed application to 303-497-7259, attention Lee Cohen and ask to be
added to the tcmt project group. Requesting to be a member of the tcmt
group is only valid for file transfer purposes; it is not a valid option for
actual computing on jet (running the model, post-processing, etc.).

Once your user ID has been enabled and you are a member of the tcmt
group, you will need to transfer secure ssh keys that you generate on the
system currently holding your Tier 2 data files to jetscp, a file-transfer
frontend system for jet. To generate your secure ssh keys perform the
following on the system currently holding your Tier 2 data files:

a) on your chosen host (where your Tier 2 data currently resides):
ssh-keygen -t dsa
cat ~/.ssh/*dsa*

b) copy and paste the output of cat into an e-mail and send it to
hpcshelp.fsl@noaa.gov, requesting installation into jetscp

Once the key installation is complete you can scp files to the tcmt project
directory via jetscp by executing (locally) a command such as:

scp some_file jetscp.rdhpcs.noaa.gov:/lfs1/projects/tcmt/tier2/