PROCESS README

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Updated: Don Garrett Edited:

**Overview**

Description: The product files in the GIF format for the NCEP models (GFS, GEFS, GDAS) for all the production cycles (00, 06, 12, 18 UTC) are generated by the NCO on the WCOSS and are transmitted as date/cycle stamped files to the compute farm (CF). These 12 tar files are transmitted at 12 different times as they are produced during the day.

Purpose: The purpose of this process is to copy the above mentioned tar file(s) from the NCO CF location to the CPC CF location and unpack them into the appropriate intended directory – which is one of (cycle named) 00, 06, 12 18. For example, all the 3 models for the 00z cyle are unpacked (as gif files) to the sub directory named ‘00’ (without quotes). The same process applies to the 06, 12 and 18 UTC cycles.

As an aside, please note that all the four cyle named directories contain static html files and the unpacked gif files.

High-Level Process Flow (At each invocation of cron job):

**Methodology**

Unpack GIF files into $CPCI\_HOME/cpc\_web/00

Invoke the process that transmits the contents to the corresponding directory on the cpc\_rzdm

For each model/cycle:

Copy model/cycle tar file from $CPCI\_IN to $CPCI\_HOME/cpc\_web

**How to Run file**

$CPCI\_HOME/docs/CPCI\_How\_To\_Run.docx

**Installation file**

$CPCI\_HOME/docs/CPCI\_How\_To\_Install.docx

**Input file descriptions**

NOTE: Any special notes about the file name’s format, i.e. yyyymmdd are all digits

$model represents one of values gfs | gefs | gdas

$cycle represents one of values 00 | 06 | 12 | 18

**Process local files:** (Use this format for all files used by the process)

File Name: /common/data/model/com/cpci/para/cpci.yyyymmdd/$model/cpci.yyyymmdd\_$model\_$cycle.tar

* Tar file
* Contents are GIF files

**Centralized data files**:

NA

**Script descriptions**

**Initiation script name:**

$CPCI\_HOME/install.sh

This script generates all the html files from the templates.

$CPCI\_HOME/scripts/driver.sh

This is the shell script that performs the tasks of copying the input tar file (supplied by the NCO via DBNET and written to the CF /common area). This shell script expects two arguments, namely, the model name and the two digit cycle. The input tar file needed by this program is referenced by our CPCI\_IN environment variable. The sample crontab file is provided in the $CPCI\_HOME/scripts directory and the cron job can be initiated using this file.

**Source codes**

NA

**Executables**

NA

**Configuration and library files**

NA

**Output file descriptions**

**Process local files:**

NA

**Centralized data files: NA**

NA

**FTP/WEB Output Products Information**

**Public FTP page link(s):**

TBD

**Output files to check for :**

NA

**Bugs and Issues**

Not known at present

**Future Work**

May need to add additional model parameters from GEFS and GFS.

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