**SHEF\_OBS – How to Run**

**Written by: Vadlamani Kumar Date last edited: 09/16/2015**

**Update by: Don Garrett Edited:**

**Readme File**

$SHEF\_OBS/docs/CPC\_Readme.txt on compute farm

**Operational run-time information**

**Current operational machine:** Compute Farm

**Current operational account:** cpcops

**Process owner:** Vadlamani Kumar

**Backup owner:** Nicholas E. Novella

**Unique software requirements:** None

**Hardware requirements:** Less than 8GB (overwritten – not accumulative)

**Unique global variables:** CPCI\_HOME (process parent directory)

 CPCI\_IN location of the input file (/common/data/model/com/cpci/para/cpci.${PROD\_DATE}/${MODEL})

 CF\_WEB, directory of the contents for web transfer.

**Cron Information**

**Time of processing on cron GFS:** 07:25, 13:25, 19.25, 01.25 (+1day) UTC

**Time of processing on cron GEFS:** 06:30, 12:30, 18.30, 01.30 (+1day) UTC

**Time of processing on cron GDAS:** 07:45, 13:45, 19.45, 01.45 (+1day) UTC

**Time that output is updated:** Same **+ 2 min**

**Initiation file:** $CPCI\_HOME/scripts/shef-obs-start.bash

**Output log path & files from cron:** $CPCI\_HOME/logfiles/ gfs\_00\_log

 $CPCI\_HOME/logfiles/ gfs\_06\_log

 $CPCI\_HOME/logfiles/ gfs\_12\_log

 $CPCI\_HOME/logfiles/ gfs\_18\_log

 $CPCI\_HOME/logfiles/ gefs\_00\_log

 $CPCI\_HOME/logfiles/ gefs\_06\_log

 $CPCI\_HOME/logfiles/ gefs\_12\_log

 $CPCI\_HOME/logfiles/ gefs\_18\_log

 $CPCI\_HOME/logfiles/ gdas\_00\_log

 $CPCI\_HOME/logfiles/ gdas\_06\_log

 $CPCI\_HOME/logfiles/ gdas\_12\_log

 $CPCI\_HOME/logfiles/ gdas\_18\_log

**Cron table entry:**

#

25 07 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gfs 00 >> /cpc/prod\_tst/vkumar/cpci/logs/gfs\_00\_log 2>&1’

25 13 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gfs 06 >> /cpc/prod\_tst/vkumar/cpci/logs/gfs\_06\_log 2>&1’

25 19 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gfs 12 >> /cpc/prod\_tst/vkumar/cpci/logs/gfs\_12\_log 2>&1’

25 1 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gfs 18 >> /cpc/prod\_tst/vkumar/cpci/logs/gfs\_18\_log 2>&1’

#

45 7 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gdas 00 >> /cpc/prod\_tst/vkumar/cpci/logs/gdas\_00\_log 2>&1’

45 13 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gdas 06 >> /cpc/prod\_tst/vkumar/cpci/logs/gdas\_06\_log 2>&1’

45 19 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gdas 12 >> /cpc/prod\_tst/vkumar/cpci/logs/gdas\_12\_log 2>&1’

45 1 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gdas 18 >> /cpc/prod\_tst/vkumar/cpci/logs/gdas\_18\_log 2>&1’

#

30 6 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gefs 00 >> /cpc/prod\_tst/vkumar/cpci/logs/gefs\_00\_log 2>&1’

30 12 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gefs 06 >> /cpc/prod\_tst/vkumar/cpci/logs/gefs\_06\_log 2>&1’

30 18 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gefs 12 >> /cpc/prod\_tst/vkumar/cpci/logs/gefs\_12\_log 2>&1’

30 0 \* \* \* ‘$CPCI\_HOME/scripts/driver.sh gefs 18 >> /cpc/prod\_tst/vkumar/cpci/logs/gefs\_18\_log 2>&1’

#

**Interactive entry: (Models gfs|gefs|gdas cycles 00|06|12|18)**

$CPCI\_HOME/scripts/cpci\_driver.bash gfs 00 >> $CPCI\_HOME/logfiles/ gfs\_00\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gfs 06 >> $CPCI\_HOME/logfiles/ gfs\_06\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gfs 12 >> $CPCI\_HOME/logfiles/ gfs\_12\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gfs 18 >> $CPCI\_HOME/logfiles/ gfs\_18\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gefs 00 >> $CPCI\_HOME/logfiles/ gefs\_00\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gefs 06 >> $CPCI\_HOME/logfiles/ gefs\_06\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gefs 12 >> $CPCI\_HOME/logfiles/ gefs\_12\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gefs 18 >> $CPCI\_HOME/logfiles/ gefs\_18\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gdas 00 >> $CPCI\_HOME/logfiles/ gdas\_00\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gdas 06 >> $CPCI\_HOME/logfiles/ gdas\_06\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gdas 12 >> $CPCI\_HOME/logfiles/ gdas\_12\_log 2>&1

$CPCI\_HOME/scripts/cpci\_driver.bash gdas 18 >> $CPCI\_HOME/logfiles/ gdas\_18\_log 2>&1

**How To Run for Specific Issues**

**Issue:** Encounter failed cron job due to the absent input file.

**How to fix/re-run:**

At present it is tested for the existence of the input file transmitted from the production WCOSS system – if not found, emails are sent to the process owner/co-owner. In this case contact NCO to resend to CF. After the input file is made available you can rerun with the following command

$CPCI\_HOME/scripts/cpci\_driver.bash $model $cycle

Where you need to replace $model with one of the values (gfs | gdas | gefs ) whichever is appropriate. Likewise you need to replace $cycle with one of the values (00 | 06 | 12 | 18).