

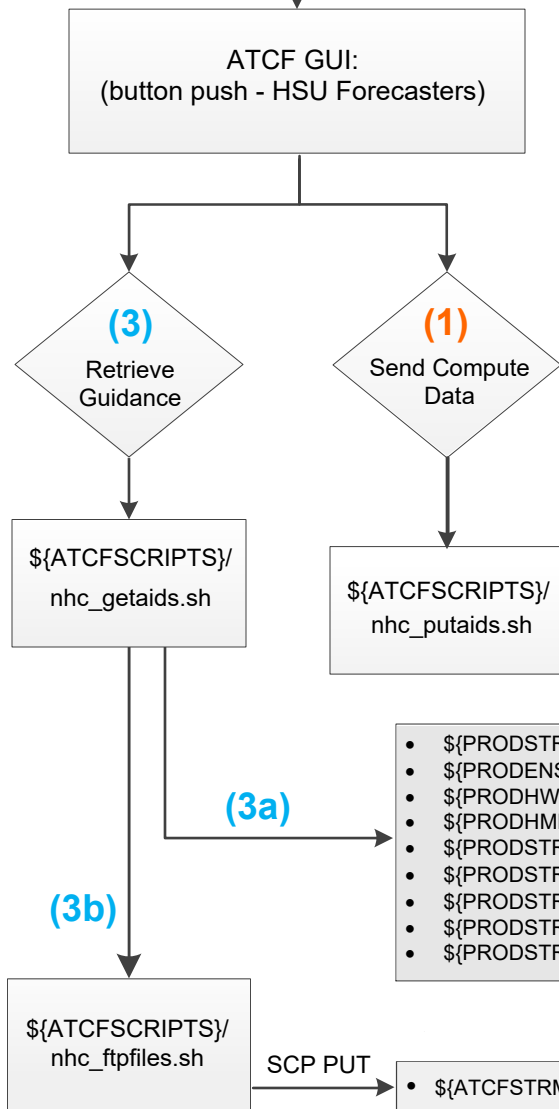
ATCF Guidance Suite Production Dataflow v3.3.0

```

${ATCFSCRIPTS} = /home/atcf-ops/atcf/scripts
${ATCFSTRMS} = /home/atcf-ops/atcf/storms
${NHCSCRUB} = .../nhc/noscrub/data
${NHCSAVE} = .../nhc/save/guidance
${PRODHWF} = .../prod/com/hwrf/
${PRODHMN} = .../prod/com/hmon/
${PRODENS} = .../prod/com/ens_tracker/
${PRODNHC} = .../prod/com/nhc/v3.3/
${PRODSTRMS} = ${PRODSTRMS}/storm-data
${PRODLOG} = ${PRODSTRMS}/log
${PRODSRC} = .../packages/nhc_guidance.v.3.3.0
    
```

(2)

Job Done Notification File



NCEP WCOSS

TYPE 1 MODELS: CLIPER/SHIFOR/EXTRAP/OCD5/TCLIP

TYPE 2 MODELS: TABS/TABM/TABD/UKMET

TYPE 3 MODELS: SHIPS/LGEM/RII/NNIC

CRONS:

- Input data pre-processor (creates GFS and ECMWF packed files for SHIPS from production grib/grib2 files)
- Search for input file from NHC directory for new storm data – see general inputs section
- Search for input returnIP file from NHC directory – see general data inputs section

General Data Inputs/Outputs:

***Note:** nhc_guidance.v.3.3.0 uses input files based off of NHC quasi-prod data sources

- **INPUTS:** \${strmid}.com (\${PRODSTRMS}/zcom), \${strmid}.ip (\${PRODSTRMS}/ncep/returnIP)
- **OUTPUTS:** a\${strmid}.dat (\${PRODSTRMS}/\${strmid})

Specific Data INPUTS:

- **CLIPER5** = coefficient files in \${PRODSRC}/parm
- **EPCLIPER** = coefficient files in \${PRODSRC}/parm
- **TCLIP** = coefficient files in \${PRODSRC}/parm, \${PRODSRC}/parm/gdland_table.dat, \${PRODSRC}/parm/gdland_table.dat
- **OCD5** = tracker output from CLP5 and SHF5 in a\${strmid}.dat, \${PRODSRC}/parm/gdland_table.dat, \${PRODSRC}/parm/gdland_table.dat
- **TABS/TABM/TABD** = Grib GFS forecasts (.../prod/com/gfs/gfs.YYYYMMDD/TT/atmos/), and Grib ECMWF forecasts (.../prod/dcom/YYYYMMDD/wgrbul/ecmwf/DCD...)
- **UKMET** = ukmet_tropical_storms (.../prod/dcom/YYYYMMDD/wtxtbul/ukmet_tropical_storms/)
- **SHIPS** = coefficient files in \${PRODSRC}/parm, tracker output from TABM in a\${strmid}.dat, Packed GFS, GOES imagery, SST analysis, OHC analysis (\${NHCSCRUB}/guidance/ships), \${PRODSRC}/parm/gdland_table.dat, \${PRODSRC}/parm/gdland_table.dat
- **DTOPS/NNIC** = coefficient files in \${PRODSRC}/parm, tracker output from DSHP/LGEM in a\${strmid}.dat, tracker output from GFS and ECMWF in \${PRODENS}/atcf/\${strmid}/ncep_a\${strmid}.dat, tracker output from HWRF in \${PRODHWF}/hwrf.YYYYMMDD/atcf/\${strmid}/ncep_a\${strmid}.dat and early EMX tracker in \${NHCSCRUB}/guidance/ships

Specific Data OUTPUTS:

- **CLIPER/SHIFOR/EXTRAP/OLDS/TCLIP/TABS/TABM/TABD/UKMET/SHIPS/LGEM/NNIC** = a\${strmid}.dat
- **SHIPS/DTOPS** = lsdiag.dat, ships.txt
- **RII** = ships.edk
- Returns \${strmid}.com to NHC/CPHC servers (indicated by the \${strmid}.ip file) to notify that job is done and output is ready to be retrieved by the ATCF GUI at the forecast office

SCP PUT
& BSUB

SCP GET

- 1) SCP PUT atcf-ops@atcfsvr1:\${ATCFSTRMS}/\${strmid}.com -> nhc.prod@prodwcoss: \${PRODSTRMS}/zcom/\${strmid}.com
- 2) SCP PUT atcf-ops@atcfsvr1:\${ATCFSTRMS}/\${strmid}.ip -> nhc.prod@prodwcoss: \${PRODSTRMS}/ncep/returnIP/\${strmid}.ip

SCP get files from NCEP WCOSS:

- \${PRODSTRMS}/\${strmid}/a\${strmid}.dat -> \${ATCFSTRMS}/a\${strmid}.dat
- \${PRODENS}/atcf/\${strmid}.dat/ncep_a\${strmid}.dat
- \${PRODHWF}/hwrf.YYYYMMDD/atcf/\${strmid}/ncep_a\${strmid}.dat
- \${PRODHMN}/hmon.YYYYMMDD/atcf/\${strmid}/ncep_a\${strmid}.dat
- \${PRODSTRMS}/ships/stext/\${ships_prefix}_ships.txt -> \${ATCFSHIPS}/\${ships_prefix}_ships.txt
- \${PRODSTRMS}/ships/etext/EC_\${ships_prefix}_ships.txt -> \${ATCFSHIPS}/EC_\${ships_prefix}_ships.txt
- \${PRODSTRMS}/ships/stext/\${ships_prefix}_lsdiag.dat -> \${ATCFSHIPS}/\${ships_prefix}_lsdiag.dat
- \${PRODSTRMS}/ships/stext/\${ships_prefix}_ships.edk -> \${ATCFSHIPS}/\${ships_prefix}_ships.edk
- \${PRODSTRMS}/ships/etext/EC_\${ships_prefix}_ships.edk -> \${ATCFSHIPS}/EC_\${ships_prefix}_ships.edk

SCP files to NHC Public FTP and OPAH:

- \${ATCFSTRMS}/\${strmid}.fst, a\${strmid}.dat, b\${strmid}.dat, e\${strmid}.dat, f\${strmid}.dat, \${strmid}.com