

VWT How to Run

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Overview

The Verification Web Tool is CPC's new verification system that is generalized to accept any forecast and observation data that adhere to a certain set of requirements. There are 2 versions of the system, a command-line version and a web tool version. This document provides instructions for running the Verification System in command-line mode (which is how it's being run operationally on the Compute Farm). For details regarding how the web tool works, please refer to the [README](#) or [Web Tool README](#).

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Reasons to Run

Output missing from web, but found on Compute Farm

Something went wrong with the transmission from the Compute Farm to the web. See the [transmission section](#).

Output missing from Compute Farm

This could be for a number of reasons. Check the log file specified [below](#). The most likely reason is that there was an issue with the database. If re-running the software still doesn't produce the expected output, please put in a [help ticket](#).

Quick Facts About this Software

Operational Status

Operational machine	Compute Farm (vm-lnx-cpccf1 or vm-lnx-cpccf7)
Operational account	cpcfct.cf
Process owner	Adam Allgood, Mike Charles

Backup process owner	Melissa Ou
Cron run time*	6-10 Day : Daily 17Z, 8-14 Day: 1730Z, Long-lead : 8th of every month 1830Z
Initiation script*	\$VERIF_STATICPLOTS/drivers/dailyERF5maps.csh \$VERIF_STATICPLOTS/drivers/dailyERF7maps.csh \$VERIF_STATICPLOTS/drivers/monthlyLLFmaps.csh
Log file or path	From verif static initiation: \$VERIF_STATICPLOTS/log From VWT software: \$VERIF_HOME/logs

* The cron jobs are associated with the Verification Static Plots process

Development

Trac page	https://cpc-devtools.ncep.noaa.gov/trac/projects/Verif_System
Subversion repo URL	https://cpc-devtools.ncep.noaa.gov/svn/dev/projects/verification/land_air/all_ranges/us/Verif_System

Web

Public Webpage

URL	TBD
Time products are updated	TBD

Internal Webpage

URL	Summary page: http://www2.cpc.ncep.noaa.gov/products/verification/summary/ VWT: http://cpcintradev.ncep.noaa.gov/export-3/cpccftstnfs-cp/mcharles/sandboxes/verif/post_mortem/web/index.php?page=chart
Time products are updated	See cron time info

Requirements

The VWT should have been installed for *Command Line Direct Access* mode following the [How to Install](#) document.

Transmission

See information from the static plots process.

Database Information

See the [Database Design document](#)

Running the Command-Line VWT

Step 1 – Edit the settings file

All settings are specified in `./input/settings.xml`. Edit this file, making sure to keep the file as valid XML. See the [README](#) file for more information about available settings.

Step 2 – Use Ant to run the VWT

Change into the root of \$VERIF_HOME:

```
cd $VERIF_HOME
```

Note that \$VERIF_HOME must be defined, as stated in the [How to Install](#) document

Run the following command:

```
ant run_command_line_direct_access
```

This will result in a log file in `./logs`, and either an ascii file or an image file in `./output`.

Other Documents

- [README](#)
- [How to make changes to code](#)
- [VWT GUI README](#)
- [How to install](#)