

CPC Verification Web Tool (VWT)

This is an interactive tool that allows users to calculate the skill of forecasts, which is a relative measure of how the forecasts performed. Knowledge of forecast skill can help users when using forecasts for decision making.

Instructions for use:

1. Select type of skill score output display desired ("Chart" or "Map").
2. For "Chart", select region(s) to verify ("Climate Regions", "States", "Climate Divisions"). For "Map", select date(s) to verify ("Date Range", "Months/Seasons & Years", "Climate Phenomena").
3. Select Forecast and Verification Options.
4. Click the "Get Scores" button.

[Click here for more information](#)

Overview Panel - Basic information about tool

Settings Panel - Customize verification options

Dates Valid Panel - Chose dates to verify over

Results Panel - Results are displayed here

Error Panel - Contains warnings and errors related to score calculation

Info Panel - Information about the score being calculated

Print Settings Panel - Temporary panel displaying settings used for each run (for debugging)

Chart | Map | Tutorial

Scroll down the page to see the results, error messages, and information panel.

1 Options

Forecast options

Field [?]

Period [?]

Lead time [?]

Data format [?]

Forecast(s) (Select one) [?]
☒ CPC Official (Manual)
☐ CPC Official (Auto)
[Select forecast models](#)

Verification options

Skill Score [?]

Forecast categories

Finished, please scroll down

2 Valid Dates

Dates represent the center of the valid period of the forecast(s) to verify.

Start date [?]

End date [?]

3 6-10 Day Temperature Heidke Skill Scores for manual all categories from 20120501-20120531

Interacting With the Map

Click on any colored circle for the position of that point and the score

Map | Satellite

4 Warnings and Errors

5 Information

Summary of results

The average heidke score(s) for including all categories for the :
• manual forecast: 0.37 with 205 values

highest heidke score including all categories for the :
manual forecast: 0.37 with 205 values

The heidke score is:

$HSS = \frac{HSS * coverage}{HSS + coverage}$

where coverage = number of non EC forecasts/Total.

Settings Used (copy these settings into the survey when describing a problem)

variable=temp, fcstSources=manual, leadTime=08d, aveWindow=05d, datesValidType=dateRange, datesValid=20120501,20120531, regionType=climateRegion, regions=All, spatialType=station, outputType=map, outputDimension=space, scoreType=heidke, categoryType=total