

A Simple help file for the Weather.2004 plugin

Introduction

This document is intended to get you started using the Weather.2004 plugin for Samurize. I will make a few assumptions; such as, you have Samurize installed, you know how to use a zip utility, you can run the Samurize config editor and you know how to add meters.

Once you have the plugin, which can be obtained in the Samurize forums ([Weather Script/Plugin Support](#)), you will need to unzip the files into your Samurize installation folder. Included with the plugin are some sample configs you may try. The plugin is the Weather.2004.dll file and can use the default values listed in the Weather.2004.ini file.

Editing the Weather.2004 plugin configuration file

This file contains default values for the functions in the plugin. When opened with a text editor, it should resemble something like the code below.

```
[General]
ShowMoonPhase=0
DefaultIconPath=C:\Applications\Konfabulator\Skins\weather\konfabulator
ShortDayNames=0

[Forecast]
MaxDays=10

[Hourly]
MaxHours=24

[Unit]
DefaultUnit=english

[LocationID]
DefaultLocationID=80022
```

You should edit the config file to conform to your desired information. The DefaultIconPath should contain the path to the images you wish to use, several can found in the Samurize forums. ShortDayNames will return Mon if set to 1 and Monday if set to zero.

ShowMoonPhase will show the current phase of the moon if set to 1 and only if you are using a "Weather.2004" compliant set of weather images. See the Weather support forum for the 2 currently available sets.

MaxDays will tell the plugin how many days forecast to retrieve, this value cannot be more that ten(10).

MaxHours is similar to MaxDays, it retrieves hourly data.

The DefaultUnit can be set to English, metric or both. Use whichever units you prefer.

DefaultLocationID tells the plugin for which area to gather information. If you reside in the United States, you can use your ZIP code; otherwise, use the FindLocationID program included in the archive to get your LocationID. It should come out to something like this: AAXXnnnn, where AA represents the country (UK = United Kingdom) and nnnn is the reporting location. For example; Paris, France would yield FRXX0076.

Functions

Here is a list of function available with the plugin:

CurrentConditions – used to display the current conditions

Forecast – display data for the next several days

Hourly – display hourly data for the next 24 hours

Now – a special version of the Forecast function for the current day

Later – another special version of the Forecast function for tonight and tomorrow

IconCC – display an image for the current conditions

IconForecast – display images for the forecast of the next several days

IconNow – display an image for today or tonight

IconLater – display an image for tonight or tomorrow

IconHourly – display images for hourly data

AlertIcon – display an image when a weather alert has been issued

LocalRadar – display an image of your local radar from weather.com

CustomRadar – display an image of your local radar from a site of your choosing

ListCCTerms – display a list of terms that can be used for current condition information

ListForecastTerms – display a list of terms to be used for forecast data

ListHourlyTerms – display a list of terms for hourly data

A Simple Config

Let's look at a simple config. I am using Samurize version 1.55 and the fix posted by torsius for RC5 of the plugin.



The picture above is a config that displays the current temperature, the location and an image of the current conditions. Every config that I use displays this data.

Here is a list of the values you can use with the CurrentConditions function:

Use these terms in your CurrentConditions expression:

<temp> - temperature
<feel> - feels like, Heat Index or wind chill
<tempunit> - temperature unit
<city> - city associated with LocationID
<locid> - your Location ID
<citydata> - city where data actually gathered
<cond> - condition description
<humidity> - relative humidity
<vis> - visibility
<visunit> - visibility unit
<dewpoint> - dewpoint, temperature at which precipitation will occur
<update> - when data was last updated by weather.com
<download> - when data was last downloaded
<uv> - uv description
<uvnum> - uv rating number
<long> - longitude
<lat> - latitude
<sunrise> - time of sunrise (dawn)
<sunset> - time of sunset (dusk)
<timezone> - time zone for your location
<press> - barometric pressure
<pressdir> - pressure movement
<pressunit> - pressure unit
<wind> - wind speed
<windgust> - gust speed
<winddir> - cardinal direction (e.g., NNE, ESE, W, NW)
<winddeg> - numeric direction (e.g., 250)
<windunit> - windspeed unit

This text can also be obtained by using the ListCCTerms function. Icons are displayed using the Icon functions and setting the draw type to image.

More Current Condition Information

The following config includes more information about the current conditions. The object I use to display the wind direction came from DesktopWeather by judge.

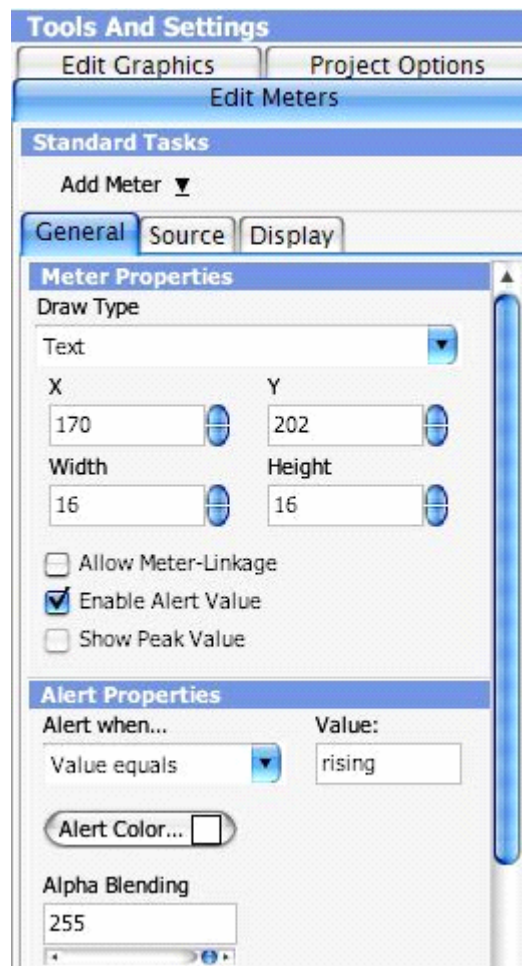


Many of the items in the picture are straightforward; however, the wind vane and barometric pressure arrow require additional setup.

The wind vane(blue line) is made thusly:

In the General tab, choose Analog as the Draw Type. In the Source tab, choose the Weather.2004 plugin, choose CurrentConditions and use the <winddir> term. Then, in the Display tab, set the Min value to zero(0) and the Max value to 360. You can choose the color in the Start Color button.

To construct the arrows for barometric pressure, requires the use of alert values. Using the <pressdir> term and setting the display Alpha value to zero, results in the returned value being transparent. While in the Display tab, in the text box, use h for rising and i for falling. Also, set the font to Wingdings 3. You will need a copy of this term for both rising and falling. Now, back in the General tab, check the Enable Alert Value box and set the Alert when ... to Value equals and input either rising or falling into the text box (see pic below). This will display an arrow for rising or falling pressure.



Using Hourly Data

The following config is set up to display data from the next hour to 13 hours from now.



Here is a list of terms you can use for displaying hourly data:

Use these terms in your Hourly Expression:

- <update> - when data was last updated
- <download> - when data was last downloaded
- <temp> - hourly temp
- <tempunit> - temperature unit
- <feel> - hourly feels like temp
- <hourname> - name of hour (i.e., 12 PM)
- <precip> - hourly precipitation chance
- <cond> - hourly condition description
- <dewpoint> - hourly dewpoint
- <humidity> - hourly humidity
- <wind> - hourly windspeed
- <windgust> - hourly gust speed
- <winddir> - hourly wind direction
- <winddeg> - hourly wind degree
- <windunit> - windspeed unit

If you wish to display images, use the IconHourly function.

The vertical bars are progress meter draw types with no split spacing. I used a start color of blue and an end color of red. Choose values that correspond with your location for start and end. I have displayed the temp as well to make it easier to follow.

Using Forecast Data

The following config displays data for the current evening and the next three days.



In the top left pane, I have used the Now and IconNow functions. I have used an Alert Value to hide the high temp if it is N/A. The rest are done using the Forecast and IconForecast functions. When using the Now function, the day name is displayed using the <name> term as opposed to <dayname>.

Here is the list of Forecast terms:

Use these terms in your Forecast Expression:

- <high> - high temp for chosen day
- <low> - low temp for chosen day
- <tempunit> - temperature unit
- <sunrise> - sunrise for chosen day
- <sunset> - sunset for chosen day
- <download> - time data was downloaded
- <update> - time data was updated
- <precip> - chance of precipitation of chosen
- <precipn> - chance of precipitation of chosen day during nighttime
- <humidity> - percent humidity of chosen day
- <humidityn> - percent humidity of chosen day during nighttime
- <dayname> - name of chosen day (ie, Mon or Monday)
- <daydate> - date of chosen day (ie, Jan 1)
- <cond> - condition description of chosen day
- <condn> - condition description of chosen day during nighttime
- <wind> - windspeed for chosen day
- <windn> - windspeed for chosen day at night
- <windgust> - gust speed for chosen day
- <windgustn> - gust speed for chosen day at night
- <winddir> - wind direction for chosen day
- <winddirn> - wind direction for chosen day at night
- <winddeg> - in degrees
- <winddegcn> - in degrees at night
- <windunit> - wind speed unit

Once you get one day finished, it's very easy to add subsequent days by copying and adjusting the parameters to fit the new forecast day.

Lastly, in order to display the forecast narrative, you would also use the forecast function and simply add <details> for the weather narrative for whatever day you choose, and <detailsupdate> will display the last time the narrative was updated.

As always there are several ways to display this data. Test a few, use your own backgrounds or none at all. If you have questions, ask in the forums.