How to embed components from surfvind.se

Introduction

This document will show how to use the different components from http://www.surfvind.se on your own web site.

Get started

The objects of interest are the wind speed meter, the wind direction compass and the graph representing the wind speed and direction over time. There is also an applet available that shows the images in a slide show.

Embed the graph

The graph pictures are regenerated and stored every five minutes. They are stored under the respective imei number. So if Habo is the sensor of interest the location is: http://www.surfvind.se/Applet/**12345**/ and for Stockholm the location is: http://www.surfvind.se/Applet/**354745031035159**/ etc.

The graphs display different intervals between one hour up to one month. So if we want to show the graph representing one day for Habo the complete url would be: http://www.surfvind.se/Applet/12345/graph_2.png and the url for one hour would be http://www.surfvind.se/Applet/12345/graph_0.png

See Appendix A for a complete list of the intervals and names.

Embed the compass and speed meter

The compass and speed meter are built using two images. One background image and one arrow image. To embed these you need to draw the arrow on top of the compass or speed meter image.

Image 1.1: Compass image and arrow image drawn on top of each other to form the complete image

The background compass can be found under: http://www.surfvind.se/Images/ws_compass.png and the speed meter can be found under: http://www.surfvind.se/Images/ws_speed.png.

The arrow that is to be drawn on top of the background are dependent of the sensor of interest and is named different for each sensor. The compass arrow for Habo is for example named **12345**_img_compass.png and the compass arrow for Stockholm is named **354745031035159**_img_compass.png. The speed arrow follow the same principal and is named 12345_img_speed.png for Habo and **354745031035159**_img_speed.png for Stockholm etc.

All these images are found under: http://www.surfvind.se/Images/

Embed the applet:

The applet is already embedded on a page so the easiest way is to embed this whole page. The page takes the location as an argument. To see the slide show for Habo the address is: http://www.surfvind.se/Applet.aspx?**Location=12345** where the bold part tells that it is Habo we're interested in. See the code example for more information on how to embed the page.

Example html

In this example the Habo sensor is used.

```
<html>
<body>

<!-- Add compass -->
<div style="position: absolute; left: 230px; top: 10px; z-index: 1;">
  <img style="background:url(http://www.surfvind.se/Images/ws_speed.png) 0 0 no-repeat;
width:100%; height:100%;" src="http://www.surfvind.se/Images/12345_img_speed.png"
alt=":´(" width="100%" height="100%" />
</div>

<!-- Add speed meter -->
<div style="position: absolute; left: 230px; top: 10px; z-index: 1;">
  <img style="background:url(http://www.surfvind.se/Images/ws_speed.png) 0 0 no-repeat;
width:100%; height:100%;" src="http://www.surfvind.se/Images/12345_img_speed.png"
alt=":´(" width="100%" height="100%" />
</div>

<!-- Add graph -->
<div style="position: absolute; left: 30px; top: 250px; z-index: 1;">
  <img src="http://www.surfvind.se/Applet/12345/graph_2.png" alt=":´(" width="100%"
height="100%" />
</div>

<!-- Embed applet -->
<IFRAME style="position: absolute; left: 30px; top: 450px;"
 id="applet" title="Applet" height="100%" width="100%" frameborder="0"
 src="http://www.surfvind.se/Applet.aspx?Location=12345">
 your browser does not support IFRAMEs!
</IFRAME>

</body>
</html>
```
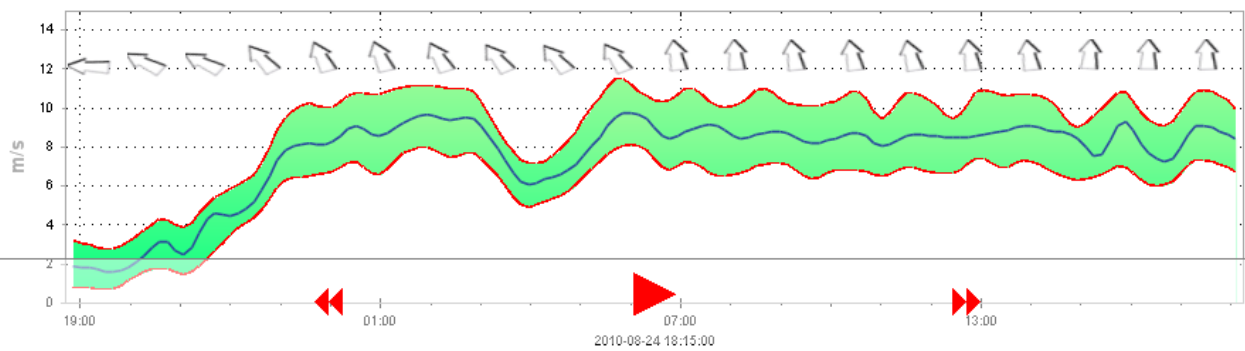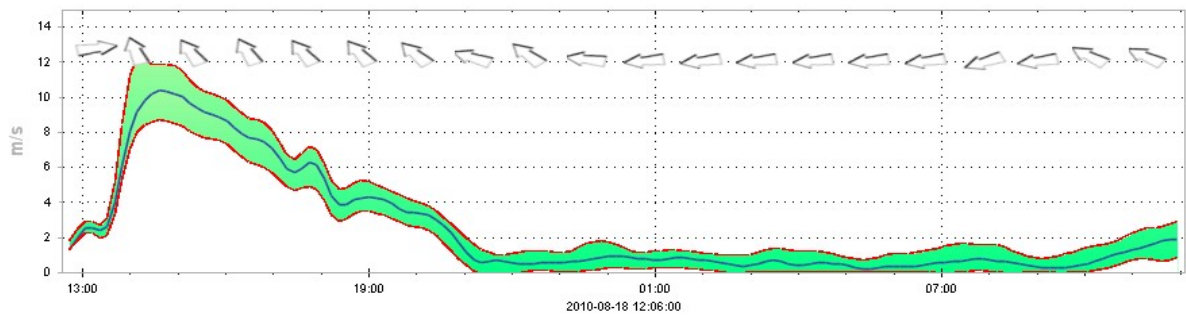
Result:

Appendix A

Intervals and names:
One hour: graph_0.png
Five hours: graph_1.png
One day: graph_2.png
One week: graph_3.png
One Month: graph_4.png

List of sensors:
Habo: 12345
Lund: 354745030513008
Stockholm: 354745031035159