Subject: Making a html image map?
Posted by Matt Francis on Wed, 15 Feb 2012 21:11:43 GMT
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I am making maps of a regional instrument network, with colour coded icons showing the status of each instrument. I'd like to be able to create a web page where the icons could be clicked to go to a more detailed page for the individual site. I'm playing around with using a html image map to do this. Ideally the IDL code making the map would also auto-generate the appropriate html. The problem I'm having is getting the co-ordinates of the image map to match up with where I'm putting the icons in the image.

Does anyone know of an elegant way of doing this, or can think of a fundamentally different, but better solution?

Subject: Re: Making a html image map?
Posted by Craig Markwardt on Tue, 21 Feb 2012 03:09:21 GMT
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On Feb 15, 4:11 pm, Matt Francis <mattjamesfran...@gmail.com> wrote:
> I am making maps of a regional instrument network, with colour coded
> icons showing the status of each instrument. I'd like to be able to
> create a web page where the icons could be clicked to go to a more
> detailed page for the individual site. I'm playing around with using a
> html image map to do this. Ideally the IDL code making the map would
> also auto-generate the appropriate html. The problem I'm having is
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> putting the icons in the image.
>
> Does anyone know of an elegant way of doing this, or can think of a
> fundamentally different, but better solution?

I use this little bit of code to make <AREA> statements for image maps with circle areas. Be sure you set up the plot coordinates ahead of time before calling the function.

This code uses the CIRCLE region, but modifying to make a different region is trivial.

Craig

; COORD_TO_MAPAREA - convert data (X,Y) to a series of <AREA> statements
; DATAX,DATAY - array, (X,Y) positions of regions in data coordinates
; SRCNAME - array, string caption for each region
; AREA_STRUCT - upon output, a structure of area information

```
; RETURNS: string array of <AREA> html statements
;
; PREREQUISITES: plot coordinates already set up so that
CONVERT_COORD() will work.
function coord_to_maparea, datax, datay, srcname, area_struct=maparea
  ;; Find the X/Y pixel positions of each source.  Do it now since the
  ;; coordinate system is in place
  xysrc = convert_coord(datax, datay, /data, /to_device)
  caption = strtrim(srcname,2)
  maparea = {href:'', alt:'', title: '', xcent:0L, ycent: 0L, radius:
8L}
  maparea = replicate(maparea, n_elements(srcname))
  maparea.href = "'@=HTMLDIR=@'+repstr(strtrim(srcname,2), ' ', '_')
+'.html"'
  maparea.alt  = '"'+caption+'"' & maparea.title = maparea.alt
  maparea.xcent = (xysrc(0,*))(*)
  maparea.ycent = !d.y_vsize - (xysrc(1,*))(*)
  maparea_html = string(maparea, $
                    format=('('<AREA HREF=',A0,' ALT=',A0,'
TITLE=',A0,'+$
                            '" SHAPE=CIRCLE
COORDS="",I0,',',I0,',',I0,""">')'))
  return, maparea_html
end
```