
Subject: Re: Irregular Satellite data plotting

Posted by [Craig Markwardt](#) on Fri, 05 Dec 2008 02:09:58 GMT

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On Dec 4, 8:22 pm, greer.katel...@gmail.com wrote:

> I have some satellite temperature measurements that are taken at
> regular latitude intervals but irregular longitude intervals.
> Eventually, I will interpolate everything, but first I would like to
> make a plot with a square indicating the location of the measurement
> (longitude and latitude) that is colored to indicate the relative
> temperature. Does anyone know how to do this? It seems simple to me
> in concept, but have been unable to come up with a solution. (I keep
> getting advice about how to do this in matlab with pcolor, but I need
> to stay in idl with this one) Thanks in advance for any advice you
> might have!

I'm sure that something like this,

```
for i = 0, n_points-1 do begin
  oplot, [lon[i]], [lat[i]], psym=6, color=(temp[i]-MINTEMP)/
(MAXTEMP-MINTEMP)*255
endfor
```

will be a good place to start. You will have to play around with how
the color is calculated.

Craig

P.S. David, I used [] array notation against my better judgement.
