Subject: Re: satellite field of view pole projection
Posted by audrey.schaufelberger on Fri, 03 Jun 2016 06:27:17 GMT
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thank you, that looks exactly like what I want to plot, but unfortunately I seem to already fail a step earlier in the process if I use your approach.

In your example you have a certain number of field-of-views you want to plot, which are not overlapping. In my question I was only talking about one orbit, and in that case your solution would work well.

But I actually have hundreds of orbits, where the fields-of-view overlap. I would like to average these measurements before I plot them. I am not sure how this actually influences the mapping process...

So far (for the equatorial region) I have simply been adding up the counts in one array, and have been creating a second array where I sum up the 'exposure' (how many times a surface element was seen). I then divided the first array by the second, the result of which I plotted.

If I wanted to use your approach, I would like to make use of the part where I determine what region a rectangle covers, but would then need to somehow be able to further process the result, and not directly plot it.

Any ideas?

best,
Audrey