Subject: Re: How to represent the spatial distribution of a parameter
Posted by Jean H. on Wed, 10 Dec 2008 13:05:22 GMT
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Hi,

I did something similar a while ago... here is part of it:

```
newX = Xdata / CellSizeX    ;Agregate the data
newY = Ydata / CellSizeY

nbCol = ceil((maxX+1.0) / cellSizeX)
nbRow = ceil((maxY+1.0) / cellSizeY)
nPoint = n_elements(newX)

image = lonarr(nbCol, nbRow)
nbPointsXY = lonarr(nbCol, nbRow)

for i = 0L, nPoint-1 do begin
    image[newX[i], newY[i]] += v[i]
    nbPointsXY[newX[i], newY[i]] += 1
endfor

image /= nbPointsXY    ;do the average

tvscl, image
```

Jean