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Subject: Help converting different data sets into one data set and correcting for mismatch

Posted by [mbweller](#) on Fri, 02 Jan 2009 21:56:41 GMT

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Hello,

I have a bit of a dilemma that I was hoping someone could advise me on. I have two separate data sets, that are set up slightly differently, but show similar data and need to be displayed together.

The first data set is of the form array1[6,32400], where positions 0-3 represent the top, bottom, left and right values of a box with a range for top and bottom of -90 to 90 and left to right of 180 to 0. It's in latitude and longitude for a hemisphere in 1x1 deg cell sizes. i.e. 90,89,180,179...

The second data set is the same range for latitude and longitude but it is instead a simple ascii grid with each cell position representing the latitude and longitude position. i.e. column 0, row 0 = 90,89,180,179 from the above example, I think.

I need a way to map the second data set to the first data set so that I can compare them. The only way I know how to do it right now would be very time intensive and this time I don't have right now. The other issue (which I'm checking right now) is that they may not be exactly one to one and if that's the case, how might one stretch or shrink the second cell size in order to make them one to one?

Thanks,

~Matt

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