Subject: Re: array juggling
Posted by greg michael on Wed, 08 Nov 2006 18:38:01 GMT
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I was going to suggest this, but I see JD's is way more concise!

Hi Maike,

If I understand what you've written, you have a mask of 6500 points
that you're interested in out of a grid of 360x181 (=65160), described
by your two vectors latindex, lonindex.

I would:

1. convert this to a 2-d mask:

```
mask=bytarr(360,181)
mask[lonindex,latindex]=1
```

2. and use this mask to extract the columns:

find the indices of the elements of the mask which you need:

```
q=where(mask eq 1)
```

rearrange the cube into 2d, so that you can use the indices to pick out
the columns:

```
temp2d=reform(temp3d,360*181,60)
```

and then extract the columns:

```
result=temp2d[q,*]
```

result should be an array of (6500,60)

regards,
Greg