Subject: Re: Given many images, find bounding box Posted by hhpt on Fri, 05 Nov 1999 08:00:00 GMT

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Hi Dick,
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Well, this is not correct, for example, if I havbe only one patch, the upper left hand corner has the coordinate (1,10) (lon, lat) and the box has lon_size = 6 and lat_size = 8

then the expected answer should be:
```

```
left = 1
right 7
top = 10
bottom = 2
but using your formular the answers would be:
left = 1
right 6
top = 10
bottom = 3
```

Also, it will be nice some how if it could take care of the +/- degrees too..... seems tricky....

- -- Herbert
- > This is pretty straightforward, but I have to make a few assumptions:
- you have four arrays (lat, lon, rows, cols) containing valuesfor each of your patches
- > all four are measured in pixels
- > 'lat' increases as you go up, 'lon' increases as you go to the right
- > (no wrapping at lat +/- 90 or lon +/- 180 here, do you need that?
- > My, that would be interesting...)
- > you want the *smallest* bounding box that contains the patches
- > Then the four edges of that bounding box are:

```
> left = Min(lon)
> top = Max(lat)
> right = Max(lon + cols - 1)
> bottom = Min(lat - rows + 1)
> Hope this helps!
> Cheers,
> -Dick
```

>

- > Dick Jackson Fanning Software Consulting, Canadian Office
- > djackson@dfanning.com Calgary, Alberta Voice/Fax: (403) 242-7398
- Coyote's Guide to IDL Programming: http://www.dfanning.com/

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