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Subject: ROI's and geographical data!

Posted by [einare](#) on Thu, 05 Jun 2003 14:53:22 GMT

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Hi.

I've been using IDL now for a whole two weeks now!

My problem is that I have two data sets. One defining a ROI (in latitude-longitude) and another one evenly, but broadly spaced data set, combined of lat-lon-value.

I've defined the ROI and I want a simple, non gui, procedure of picking all the values which are inside the ROI. And because they are broadly spaced I used the rebin function to narrow it down, making huge data sets.

The only solution I see is making a loop testing each point, something like:

```
IF roi->ContainsPoints(lon_fin[j], lat_fin[j]) GT 0 THEN BEGIN
  dat_end[i]=dat_exp[j]
  lon_end[i]=lon_fin[j]
  lat_end[i]=lat_fin[j]
  i = i+1
ENDIF
```

which is not very good inside a loop with huge data sets.

I would be very happy if someone has solved, or can solve, this problem for me!!

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