
Subject: Re: Variable sized bins in histogram, or find a bounding lat/lon box
Posted by [JD Smith](#) on Thu, 12 Apr 2007 19:28:26 GMT
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On Wed, 11 Apr 2007 09:49:52 -0700, Matt wrote:

```
> On Apr 11, 10:13 am, Paolo Grigis <pgri...@astro.phys.ethz.ch> wrote:
>> Because the grid is orthogonal and sorted, you could try
>>
>> res1=value_locate(lats,target_lats)
>> res2=value_locate(lons,target_lons)
>>
>> IDL> print,res1,res2
>>      0      3      2
>>      4      2      4
>>
>> Is that what you need?
>
> Wow, it's easy to find that solution now that I know the keyword
> "value_locate". That was incredibly helpful and exactly what I
> needed. I
> just grepped my entire library of idl programs and I've never once
> used that
> routine. Now that I've got a hammer, maybe everything will look like
> a nail?
```

Yep, value_locate is what you want. Histogram works only with fixed bin sizes, so you'd have to resort to rescaling either the bins or the data points non homogenously to make the match.

JD
