
Subject: Re: Matching Lats and Lons from two arrays
Posted by [pgrigis](#) on Tue, 26 Aug 2008 16:50:25 GMT
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Would something like this work for sorted x (plus some fix for first and last element)?

There's going to be an overhead for sorting x if not already sorted however.

```
x=[3,3.5,4,6.5,7]
y=[3.4, 3.0, 6.8, 6.3]
```

```
a=value_locate(x,y)
result=a+( (y-x[a]) GT (x[a+1]-y))
print,result
```

Ciao,
Paolo

Brian Larsen wrote:

```
> I have tried this on several occasions (for a little different
> application but I think its the same) and have had no luck eliminating
> the for loop, so I just wrote it in a function to hide it from
> myself. This is my try at this based on value locate:
> http://people.bu.edu/balarsen/Home/IDL/Entries/2008/1/7_round2array_(updated_7Jan2008).html
>
> If others know how to eliminate the for loop that would be fantastic.
>
>
> Cheers,
>
> Brian
>
> -----
> Brian Larsen
> Boston University
> Center for Space Physics
> http://people.bu.edu/balarsen/Home/IDL
```
