
Subject: Re: Using where() on slices of data cubes
Posted by [penteado](#) on Tue, 20 Oct 2009 14:39:18 GMT
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On Oct 20, 10:22 am, Conor <cmanc...@gmail.com> wrote:
> I feel like this should be an easy one, but I've never quite figured
> it out. Let's say I got a data cube and I want to do something on
> just a slice of it, say I want to turn certain values in a column into
> something else:
>
> w = where(cube[1,*,*] lt 0)
>
> It seems like you should be able to do something like this:
>
> cube[1,w] = 1e24
>
> But that doesn't work... Somehow I can't quite figure out the right
> way to do this.

It does not apply to this case, but for future reference, it may be useful to know that it could be done directly if the slice was the other way around (a subset of indices on the left):

```
w=where(cube[:,*,i] lt 0)
nel=n_elements(cube[:,*,i])
cube[i*nel+w]=1e24
```