
Subject: Re: Using where() on slices of data cubes
Posted by [greg.addr](#) on Tue, 20 Oct 2009 14:20:46 GMT
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On 20 Okt., 14:22, 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.

This method avoids the need for any duplication:

```
w=where(cube[1,*,*] lt 0)
sz=size(cube,/dim)
cube=reform(cube,[sz[0],sz[1]*sz[2]],/overwrite)
cube[1,w]=1e24
cube=reform(cube,sz,/overwrite)
```

regards,
Greg
