On Wed, 1 Dec 2004, Pepe wrote:

> On this very newsgroup Matt McCabe once wrote: " I always get nervous
> posting to this site for fear of asking a particularly stupid
> question....well, here goes."
>
> Well, let me say that I feel the very same way...
>
> I have the following situation:
> a = fltarr(x, y)   ;say satellite sea surface temperature data
> b = fltarr(x)   ;say the longitude points of the grid
> c = fltarr(y)   ;say the latitude points of the grid
>
> data_valid = where(a GT 0.0) ;search for the valid sst values

On a cold Canadian December day it would be nice to thnk that somewhere
in the world you can assume SST>0.

> I need to know the longitude "b(lon_valid)" and latitude
> "c(lat_valid)" points of the valid sst values "a(data_valid)".
> How can I get to them ?

David gave one approach. I sometimes find it helpful, e.g,
to apply criteria such as "lon > 0.5*lat", to create
arrays with all rows(lon)/columns(lat) the same:

lon=b#transpose(1+lonarr(y))
lat=(1+lonarr(x))#transpose(c)

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