Subject: Re: interpolate over bad pixels
Posted by Jess on Wed, 29 Jun 2005 10:06:57 GMT
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Hi again Em,

This is what I'm now doing for the 1D arrays which works really well. I'm sure its not the fastest, but it works fine. Below I've given the syntax for a 2D example (sorry if its not quite right, as I haven't tested this 2D one).

Create 3 arrays, one that contains just the indices of the good pixels, second that contains just the values of the good pixels, and third that contains the indices of all the pixels, eg.

```
; where not eq NAN
wh_good = WHERE(FINITE(orig_image))
; image with just good pixels
image_good = orig_image(wh_good)

; size of image
dimens = size(orig_image,/dimensions)
xnum = dimens[0]
ynum = dimens[1]
; indices of all pixels
wh_all = indgen(xnum,ynum)

; Then interpolate, to get corrected image
; eg. linear interpolation
image_corr = interpol(image_good,wh_good,wh_all)
; or for cubic spline
image_corr = interpol(image_good,wh_good,wh_all,/spline)
```

Have a look at the help on where, finite and interpol.

Cheers,
Jess