Subject: Re: Read _ tiff with Sub_Rect Keyword
Posted by Chris[2] on Wed, 27 Jul 2005 19:28:55 GMT
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Couldn't you eliminate the loop entirely using stride?

```
  image[*, *, m] = a[*,0:samples-1:xper+1]
```

Or, even better, since you are inserting the "a" array into a contiguous block of memory in "image", you can just use 0,0 as the subscripts:

```
  image[0, 0, m] = a[*,0:samples-1:xper+1]
```

This will insert the entire "a" subarray into "image", starting at position [0,0]. This is *much* faster than using index ranges, or even the *'s, because IDL doesn't have to compute the locations internally. It just copies the data as one block.

One other point. I think you want just "xper" in your loop, not "xper+1". And finally, if your image isn't a multiple of "xper", your array indexing will run off the end. So I think you really want to compute ximg and yimg as:

```
   ximg = (samples + xper - 1)/xper
   yimg = (lines + yper - 1)/yper
```

-Chris

<meinel@aero.org> wrote in message
news:1122383746.592213.326040@g44g2000cwa.googlegroups.com.. .

```
>  Isn't it more efficient to write
>
>       for j =0 ,samples-1,xper+1 do begin
>         image[0:2,k,m] = a[0:2,j]
>         k++
>       endfor
>
```