Subject: Re: IDL FOR Loop variable increments
Posted by pgrigis on Thu, 18 Sep 2008 20:23:07 GMT

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Raghu wrote:
> Hi all,
>
> I'm having a problem with FOR loop increments in IDL which i'm not
> able to fix. I have pasted the code and a small description about it
> follows.
> k=1
> for b=0,8 do begin ; Number of bands
> j=7
> c=b+k

k here is going to be equal 1 for the first iteration, and equal j
afterwards

Paolo

> if b gt 0 and b ne (c) then continue
>   for k=1, j do begin ; Iterations within bands
>   if c lt 7 then begin
> if finite(ndvislice[s,b+k]) eq 1 then begin
>   if ndvislice[s,b+k] ge ndvislice[s,b] then begin
>   ndvi[s,b+k]=ndvislice[s,b+k]
>   break
>   endif else begin
>   if ndvislice[s,b+k] lt ndvislice[s,b] then begin
>   ndvi[s,b+k]=mask[s,r]
>   endif
>   endelse
> endif else begin
>   ndvi[s,b+k]=mask[s,r]
>   endelse
>   endif
>   endfor
> ENDFOR
>
> In the code above, i want b (the number of bands) to be incremented
> by the value (b+k) instead of standard consistent increments of 1 or
> 2.. So, instead of b progressing from 0 to 8 as 0,1,2,3 etc..i want it
> to iterate based on the value of (b+k) derived out of the inner FOR
> loop (for k=1, j). My results run correctly but those pixels for which
> 'b' needs a (b+k) increment are not recogized by the line "if b gt 0
> and b ne (c) then continue" and so it keeps skipping all 'b'
> iterations. 'c' here is just a variable assigned to the value of b+k.
>
> Where am i going wrong ? Please let me know if you need more

> information.
>
> Thanks,
> Raghu