Subject: Re: Extracting average pixel value
Posted by Juggernaut on Thu, 23 Apr 2009 17:00:46 GMT
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On Apr 22, 3:48 am, GP <gepo...@gmail.com> wrote:
> Hello...
>
> I have an .img file composed of 24 images  (one every two weeks) and I
> want to extract an  spectral average pixel value for a 3x3 window with
> the center pixel in sample=4567 and line 643.
> Anyone know what would be the best approach to do this with IDL or
> ENVI?
>
> The .img file is a  layer stacking... So the 24 images are represented
> as "bands" if I open it with ENVI
>
> Thanks in advance...
> Geo

In IDL you can do a
newArray = CONVOL(imageArray, [[1,1,1],[1,0,1],[1,1,1]], /CENTER)
This will compute the average value in a 3x3 box around each pixel
(except
the edge pixels which you can set to zero or truncate or handle
separately...
whatever you please really.  Who needs edges anyway, right?)

Bennett