
Subject: Re: Multi-band sampling strategy
Posted by [Maxwell Peck](#) on Wed, 18 Aug 2010 06:35:28 GMT
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On Aug 18, 1:10 pm, JessW <jess.wal...@gmail.com> wrote:

> Hi all,
>
> I'm using an IDL script in ENVI to retrieve the values of a multiband
> image at a user-specified number of pixels. The script works as
> intended, but is quite slow; sampling an 8-band image at ~ 38,000
> pixel locations takes
> 52.35 minutes. The issue is the following loop:
>
> FOR i= 0L, nSamplePix - 1 DO BEGIN
> pixValues[i,*] = ENVI_GET_SLICE(fid=fid,line=(index[1,i]-1),\$
> pos=bandsSelected,xs=(index[0,i]-1), xe=(index[0,i]-1))
> ENDFOR
>
> If anyone can suggest an alternate, faster sampling strategy--
> preferably one that doesn't include the purchase of a new, faster
> computer--I would be extremely grateful.
>
> Thanks,
>
> Jess

I'm not clear on what you're doing but have you tried `envi_get_data`
with the `dims` keyword, or if that is not appropriate maybe creating a
point or polygon ROI (`ENVI_CREATE_ROI/ENVI_GET_ROI_DATA`)?

Max
