

---

Subject: Multi-band sampling strategy

Posted by [JessW](#) on Wed, 18 Aug 2010 03:10:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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

---