Jeff Nettles <jnettles@csc.noaa.gov> wrote:
> Does anybody know of a way to open and read a PCI (*.pix) file in ENVI
> using (non-interactive) batch routines? I know you can open them from
> the ENVI menu, but we want to set up automatic routines to do image
> processing at night while we're not here. Is this even possible? If
> i use the ENVI_OPEN_FILE routine i immediately get the edit header
> dialogue.
>
> Any help is welcome.

I'll take you on your word with that last sentence, Jeff :-)   I have
neither used ENVI in batch mode nor had any truck with PCI files, but I
gather that an ENVI batch command script is essentially an IDL program
that calls ENVI support routines, and so something like the following
should work.   (?)

```
;Open it (with filename_string holding the file's path+name)
ENVI_OPEN_DATA_FILE,filename_string,/PCI,R_FID=fid

;Find out how big it is
ENVI_FILE_QUERY,fid,ns=ns,nl=nl,nb=nb,data_type=dt

;Make an array for it
img=MAKE_ARRAY(ns,nl,nb,TYPE=dt,/NOZERO)

;Read all bands
FOR i=0L,nb-1L do img[0,0,i]=ENVI_GET_DATA(fid,POS=i)
```

Perhaps more to the point, it appears that once you have a FID from
ENVI_OPEN_DATA_FILE it's pretty much business as usual.   e.g., You
should be able to do spatial subsetting in the read using a DIMS array,
and so on.

Peter Mason

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