

---

Subject: Re: Help with something that should be simple:  
Posted by [jeffnetles4870](#) on Sat, 15 May 2010 05:01:08 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On May 14, 7:27 pm, ska1 <schleewei...@gmail.com> wrote:

> Hi,  
>  
> Basically i have a script that makes a stack of 12 input files (22  
> layers). The script transforms them to all be the same interleave and  
> datatype(2=integer). The problem is that two of the multiband files  
> are byte.  
>  
> When i try to use 'math\_doit' for exp=fix(b1) i can not get it to  
> output a multiband file.  
>  
> After opening the file and checking the datatype i have this chunk of  
> code:  
>  
> IF (dt eq 1) THEN BEGIN  
>  
> pos = lindgen(nb)  
>  
> IF (nb GT 1) Then Begin  
>       fidMath = strarr(nb)  
>       for z =0, nb-1 Do fidMath[z]=fid  
>       fid = fidMath  
>   ENDIF  
> envi\_doit,'math\_doit', fid=fid, dims=dims, exp=exp, out\_name =  
> out\_name, pos=pos, r\_fid = r\_fid\_int  
>  
> But i am only getting a one band output!  
>  
> fid= [25,25] pos=[0,1], dims = -1       0       7067  
> 0       7198 and out\_name has an appropriate value.  
>  
> Please help me see what is going wrong!  
>  
> thanks,  
> Karen

Well your most pressing problem looks like its that the array of fid's  
you're building is actually an array of strings (created by  
strarr() ), when they should be integers or longs.

But you can really get simplify that entire IF (nb GT 1) block to one  
statement:

```
fidMath=lonarr(nb)+fid
```

Jeff

---