
Subject: Re: Question regarding HDF file
Posted by [None\[1\]](#) on Mon, 06 Aug 2007 20:55:04 GMT
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On Aug 6, 11:05 am, kuyper <kuy...@wizard.net> wrote:

> I just performed a test, and I had no problems overwriting data using
> code similar to yours. The one important thing that seems to be
> missing from your code is a call to HDF_SD_End, but what you've
> written is obviously a code fragment, rather than a complete program,
> so I'm not sure whether that procedure call is really missing.

Thanks for replying. No I have not missed that command. This is what I am doing. I am reading the dataset into a text file. the text file contains 3 columns seperated by spaces. I read the text file line by line to get the 3 values (D,A and G). use it in the formula to get the results and write it back to the HDF file. I get the correct results if I output the results to tiff file. But I am not able to get the same results when I write it back to the HDF file. this is what my code looks like

```
sdFileID2 = HDF_SD_Start(fname, /RdWr)
sdsIDsm = HDF_SD_Select(sdFileID2,im[j]) ; Image data
sdsIDsm2 = HDF_SD_Select(sdFileID2,bd[j]) ; recorection data
HDF_SD_GETDATA, sdsIDsm, rr, start=[0,0], count=[x[j],y[j]],
stride=[0,0]
HDF_SD_GETDATA, sdsIDsm2, r2
; Writing it into a text file
openw, lun, out_path+'Step1'+strcompress(fn[3],/remove_all)
+'-'+strcompress(j,/remove_all)+'.txt', /get_lun
printf, lun, r2
close, lun
free_lun, lun
```

```
results=fltarr(x[j],y[j])
rowp=fltarr(x[j],y[j])
openr, lun1, out_path+'Step1'+strcompress(fn[3],/remove_all)
+'-'+strcompress(j,/remove_all)+'.txt', /get_lun
; Reading line by line to D, A, G values
while ((~eof(lun1)) && (n lt x[j])) do begin
    readf, lun1, temp1
    sr = strsplit(temp1,' ', /Extract)
    d=float(sr[0])
    a=float(sr[1])
    g=float(sr[2])
    print, d, a, g
    results[n,*]=(float(a)*(rr[(n),*])/float(g))+float(d)
    rowp[n,*]=(3.14159*results[n,*]*sd*sd)/(esun[j]*COS((90-
```

```
theta)*3.14159/180))  
    n=n+1  
endwhile  
HDF_SD_ADDDATA, sdsIDsm, rowp, start=[0,0], count=[x[j],y[j]],  
stride=[0,0]  
HDF_SD_EndAccess, sdsIDsm  
HDF_SD_END, sdFileID2
```

Thanks
Rajesh
