
Subject: Re: Question regarding HDF file
Posted by [None\[1\]](#) on Tue, 07 Aug 2007 15:21:20 GMT
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```
>> HDF_SD_GETDATA, sdsIDsm, rr, start=[0,0], count=[x[j],y[j]],  
>> stride=[0,0]  
>  
> HDF_SD_GetInfo, sdsIDsm, NAME=name, HDF_TYPE=htype, TYPE=itype  
> PRINT, im[j], name, htype, itype, min(rr), max(rr)  
>  
>> HDF_SD_GETDATA, sdsIDsm2, r2  
>  
> HDF_SD_GetInfo, sdsIDsm2, NAME=name, HDF_TYPE=htype, TYPE=itype  
> PRINT, bd[j], name, htype, itype, min(r2), max(r2)  
>  
> PRINT, min(rowp), max(rowp)  
>
```

Hi. I did the corrections which you had mentioned, but still I am getting the same results. I also changed the !PI and !DTOR. I have changed it to read from the variable directly instead writing to the text file and again reading from it. these are the information which I got.

```
sdsIDsm=      9 ImageData DFNT_UINT8 BYTE  40 249  
sdsIDsm2=     10 RadiometricCorrTable DFNT_FLOAT32 FLOAT  
-3.57843      2.47200
```

```
Max(rowp) & Min(rowp) =    0.506396    0.000000
```

But if i open the hdf file, I am getting values like -3.5123 -1.5232
-3.5138

code:

```
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  
HDF_SD_GETDATA, sdsIDsm2, r2  
sz=size(rr, /DIMENSIONS)  
x[j]=fix(strcompress(sz[0],/remove_all))  
y[j]=fix(strcompress(sz[1],/remove_all))  
results=fltarr(x[j],y[j])  
rowp=fltarr(x[j],y[j])  
  
; Reading D, A, G values  
i=0
```

```
while ((i lt (y[j]-1)) && (n lt (x[j]-1))) do begin
    d=r2[0,i]
    a=r2[1,i]
    g=r2[2,i]
    results[n,*]=(float(a)*(rr[(n),*])/float(g))+float(d)
    rowp[n,*]=(!PI*results[n,*]*sd*sd)/(esun[j]*COS((90-theta)*!
DTOR))
    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
