Subject: Re: hdf_sd_getdata
Posted by James Kuyper on Thu, 16 May 2002 19:05:17 GMT
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rc wrote:

> James Kuyper <kuyper@gscmail.gsfc.nasa.gov> wrote in message
>
>
>> band4 = HDF_SD_GetData(sd_id, start=[0,0,4], count = [512, 1000,
>> 1]) band8 = HDF_SD_GetData(sd_id, start=[0,0,8], count = [512,
>> 1000, 1]) band11 = HDF_SD_GetData(sd_id, start=[0,0,11], count =
>> [512, 1000, 1])

I knew I should have tested it before posting!

HDF_SD_GetData, sd_id, band4, start=[0,0,4], count = [512, 1000, 1])
; etc.

>>
>> three_band = [[[band4]],[[band8]],[[band11]]]
>
>
> Thanks james.....but is there any possibilty to do this same
task(random,multiple
> slab extraction) using a single line.....actually im not clear
> with the keyword STRIDE....will that be of any use.....rc

STRIDE is extremely useful - when it's applicable. Which isn't thc case
with random selections. If you'd asked for bands 5, 8, 11, you could
have used

HDF_SD_GetData, bands, start=[0,0,5], count=[512,1000,3], stride=[1,1,3]

However, since the spacing is irregular, there's no way to do it in a
single call. One option is to read in the whole array, and then select
out the parts you want. This is only cost-effective for small arrays:

HDF_SD_GetData,sd_id, bands
bands = bands[*,*,[4,8,11]]