
Subject: time cost for file reading increasing!!! same file!

Posted by [minchen](#) on Mon, 08 Feb 2010 23:20:57 GMT

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Hi everyone,

I meet a mysterious problem on IDL file reading.

The problem is as following:

I just read the same hdf5 file several times and see the time costing.

I find the first 270 file reading is very quickly but after that, the reading speed drops down although the file is the same one.

The simple code is here:

```
pro try
  filename='./particles.h5'
  file_id=h5f_open(filename)
  for i=1,2 do begin
    i=1                                ; here just for test, so it will
    always read
    print,'Systime=',Systime(0)        ; here output the systime
    dataset_name='Electrons_at_PE_302'
    dataset_id=h5d_open(file_id,dataset_name)
    ptcl0=h5d_read(dataset_id)
    h5d_close,dataset_id
  endfor
  h5f_close,file_id
end
```

I have checked the memory, it does not increase. So the memory should not be a problem.

Why does the reading time increase? I am also sure there is no problem with the hard disk heating.

So, what's the problem?
