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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 the reading time increases? I am also sure there is no problem with the hard disk heating.  
So, what's the problem?

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Subject: Re: time cost for file reading increasing!!! same file!  
Posted by [R.G.Stockwell](#) on Thu, 11 Feb 2010 21:29:02 GMT  
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On Feb 10, 6:00 am, Bennett <juggernaut...@gmail.com> wrote:  
....

has this been resolved yet?  
I am just curious.

my wild guess. it sounds like the time to read a file increases  
by several orders of magnitude (i don't have the original post handy).  
Wasn't it seconds, up to 10 minutes?

That sounds like you need to wait for something to time out before you can make another read.

Are you making a network connection each time (then filling up all possible connections so you queue and wait for a previous network connection to time out)?

Something along those lines? just a thought.

cheers,

bob

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