

---

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

Posted by [Chris\[6\]](#) on Tue, 09 Feb 2010 00:58:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Feb 8, 1:20 pm, minchen <mchen...@gmail.com> wrote:

```
> 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?
```

What does your system memory look like? I don't know anything about h5d\_read, but if there is a memory leak, you could be running low on RAM. Try adding in a line like `help,/memory` to the interior of the loop. None of the numbers should increase over time unless you are leaking memory.

chris

---