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Subject: h5\_parse without READ\_DATA

Posted by [simulana](#) on Mon, 03 Feb 2014 18:39:25 GMT

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My problem is probably a little esoteric, but I hope someone has tried this before and can help me. I'm trying to read in and use a VERY large HDF5 file. Previously when my datasets were smaller, I was using h5\_parse with the /READ\_DATA tag. SO convenient and helpful. But now I need to read in less than the full file. Not only is h5\_parse taking over 7 minutes to complete, but having all that data in memory is forcing my subsequent rem\_dups, sorts, and mask\_locates to go into kswapd. Ugh.

So here's the question - can I use h5\_parse without /READ\_DATA to get the structure and then use the other h5 read commands on those structure IDs to extract the data? How would this look with an example h5d\_read?

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Subject: Re: h5\_parse without READ\_DATA

Posted by [Michael Galloy](#) on Mon, 03 Feb 2014 20:36:45 GMT

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On 2/3/14, 11:39 AM, simulana@gmail.com wrote:

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I have some routines to deal with HDF5 files that allow you to pull out a single variable (or a part of a variable):

<https://github.com/mgalloy/mglib/tree/master/src/hdf5>

MG\_H5\_GETDATA should do what you want:

```
IDL> data = mg_h5_getdata(filename, 'path/to/variable')
```

Mike

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Michael Galloy

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

Research Mathematician

Tech-X Corporation

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