
Subject: Re: opening .h5 data files

Posted by [Michael Galloy](#) on Wed, 05 Jan 2011 16:23:46 GMT

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On 1/5/11 7:55 am, David Fanning wrote:

> Liam Gumley writes:

>

>> Neil, try this:

>>

>> result = h5_parse(file, /read_data)

>> help, result, /structure

>

> Whoa! That's pretty impressive. :-)

>

> So, now I have the data:

>

> IDL> help, result.hdfEOS.grids.set1.data_fields.u._data

> <Expression> FLOAT = Array[360, 180]

>

> How do I read just that variable out of the file

> without reading everything?

I use MG_H5_GETDATA to do it:

```
IDL> u = mg_h5_getdata(file, '/result/hdfEOS/grids/set1/data_fields/u')
```

It also can grab a section of a variable if you don't want to read the entire variable:

```
IDL> f = filepath('hdf5_test.h5', subdir=['examples', 'data'])
```

```
IDL> res3 = mg_h5_getdata(f, '/arrays/3D int array[3, 5:*:2, 0:49:3]')
```

Get mg_h5_getdata.pro at:

http://michaelgalloy.com/wp-content/uploads/2011/01/mg_h5_getdata.pro

Mike

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www.michaelgalloy.com

Research Mathematician

Tech-X Corporation
