Subject: Re: HDF attribute extract Posted by peter.albert@gmx.de on Thu, 05 Jan 2006 14:58:23 GMT View Forum Message <> Reply to Message

Hi Sheldon, :-)

without the possibility to easily check, but the loc_id in the call to H5A_OPEN should be "An integer representing the identifier of the group, dataset, or named datatype containing the attribute within." So there must at least be one call H5D_OPEN before it to receive a valid ID of an object which can contain attributes. In your example, loc_id is the file ID, and the file itself seems not to carry any attributes. BTW, are you sure that satellite_id is in fact an attribute and not a dataset? Have you just tried the good old READ_HDF routine?

Cheers,

Peter

Subject: Re: HDF attribute extract
Posted by Liberum on Thu, 05 Jan 2006 15:24:03 GMT
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Hi Peter,

Good to see that you are still around. I an pretty sure that the satellite_id is an attribute. The hdf_parse showed this and hdf_browser showed this as well. These attributes are located on the same level as that dataset for the cloudmask. H5dump gives: HDF5 "CFCin2004123121091300700125010D.hdf" { GROUP "/" { ATTRIBUTE "version" { DATATYPE H5T STRING { STRSIZE 19; STRPAD H5T_STR_NULLTERM; CSET H5T_CSET_ASCII; CTYPE H5T_C_S1; DATASPACE SCALAR ATTRIBUTE "description" { DATATYPE H5T_STRING { STRSIZE 128: STRPAD H5T_STR_NULLTERM; CSET H5T_CSET_ASCII; CTYPE H5T_C_S1;

```
DATASPACE SCALAR

}
ATTRIBUTE "satellite_id" {
    DATATYPE H5T_STRING {
     STRSIZE 7;
     STRPAD H5T_STR_NULLTERM;
     CSET H5T_CSET_ASCII;
     CTYPE H5T_C_S1;
    }
```

I thought this was very simple and I looked at your READ_HDF program but it seemed like using an elephant gun to kill an ant. Now this ant seems like an elephant. I am pretty sure it is an attribute. I have tried just opening the file and then using H5A_READ/H5D_READ but to no avail. Logically or otherwise, I am issing something. I will look at the READ_HDF now if you cannot no other suggestions.

Thanks, Sheldon

Subject: Re: HDF attribute extract
Posted by Liberum on Thu, 05 Jan 2006 15:50:29 GMT
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Thanks Peter,
I got it - and the answer lied, indeed, in read_hdf.
I had to used h5g_open(file_id, '/')
and then get the number of attributes and then names.
Thanks.

Hope the new job is all that it promised to be.