I have been working with some ISCCP data in the HDF-SDS format and I am
unable to find a HDF routine that gets to the file label and desciption
part of these files. There are some text data located here I want to get
to - namely the date of the data. I have no problems getting to the 12
Data Sets in the file.

 Any suggestion? Liam's tools and Fanning tools don't appear to see the
file label and description information.

Kelly Dean
CSU/CIRA

I am afriad I do not.

 The file is a HDF-SD file and I can get to the data with the DFSD_GETINFO and
DFSD_GETDATA (obsolete routines).

 However, the HDF_BROWSER from IDL 5.3 returned these file labels and
descriptions as "AN". Unfortunetly, the HDF_BROWSER is a SAV and I am unable
to see how they do it. Time to open up those manuals.

Kelly

Liam Gumley wrote:

> Kelly,
>
> Do you know what kind of HDF object is used to store the label and
> description (e.g. SDS, Vdata etc.)?
>
> Cheers,
> Liam.
>
> Kelly Dean wrote:
>
>> I have been working with some ISCCP data in the HDF-SDS format and I am
>> unable to find a HDF routine that gets to the file label and desciption
>> part of these files. There are some text data located here I want to get
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```
>>  Data Sets in the file.
>>
>>   Any suggestion? Liam's tools and Fanning tools don't appear to see the
>> file label and description information.
>>
>> Kelly Dean
>> CSU/CIRA
```

Subject: Re: HDF File Label and Description
Posted by Kelly Dean on Thu, 19 Oct 2000 07:00:00 GMT

Thanks Leon,

  Your HDF_AN_TEST gets what I want....

        1   4   12   0
File_Label:ISCCP-D1 Year 1985 Month 01 Day 01

Kelly

Leon Majewski wrote:

```
> On Wed, 18 Oct 2000 14:50:55 -0600, Kelly Dean <krdean@lamar.colostate.edu> wrote:
>
>>  However, the HDF_BROWSER from IDL 5.3 returned these file labels and
>> descriptions as "AN". Unfortunetly, the HDF_BROWSER is a SAV and I am unable
>> to see how they do it. Time to open up those manuals.
>>
>> Kelly
>
> When you are using the HDF_BROWSER function what output does it return and secondly which
> part do you want to access?
> ie
> a = HDF_BROWSER(filename)
> help, a, /structure
>
> is the info you want in
> help, /structure, a.an
>
> if so... then i think this might get you going in the right direction.
>
> first off,  i've never looked at the an section before - i only use sd bits
> secondly, im using 5.2 - i don't know if hdf has changed though (still ver 4?)
```

```
> that said
>
> PRO HDF_AN_TEST
>
> path = 'c:\my documents\leon\data\chl\'
> Filename = path + 'test.hdf'
>
> MY_FILE_ID = HDF_OPEN(Filename)
>       MY_AN_ID = HDF_AN_START(MY_FILE_ID)
>
>              Result = HDF_AN_FILEINFO(MY_AN_ID, nfl, nfd, ndl, nds)
>              if Result eq 0 then begin
>                     print, nfl, nfd, ndl, nds
>
>                     ;annot types see HDF_AN_SELECT
>                     ;annot_type = 2 (file labels)
>                     my_annot_type = 2
>
>                     ;index see HDF_AN_SELECT
>                     my_index = 0
>
>                     ann_id = HDF_AN_SELECT(an_id, my_index, my_annot_type)
>
>                     if ann_id ne -1 then begin
>
>                            Result = HDF_AN_READANN(ann_id, my_file_annot)
>                            if Result ne -1 then begin
>                                   print, 'File_Label:',my_file_annot
>                            endif else print,'AN failure 2'
>
>                     endif else print,'AN failure 1'
>
>              endif else print,'AN failure 0'
>       HDF_AN_ENDACCESS, Result
> HDF_CLOSE, MY_FILE_ID
> END
>
> ------------------------
> Leon Majewski
>
> Remote Sensing & Satellite Research Group
> Curtin University of Technology, Perth, Australia
>
> email: majewski@ses.curtin.edu.au
```

Subject: Re: HDF File Label and Description

Posted by majewski on Thu, 19 Oct 2000 07:00:00 GMT

On Wed, 18 Oct 2000 14:50:55 -0600, Kelly Dean <krdean@lamar.colostate.edu> wrote:

> However, the HDF_BROWSER from IDL 5.3 returned these file labels and
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ie
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help, a, /structure

is the info you want in
help, /structure, a.an

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first off, i've never looked at the an section before - i only use sd bits
secondly, im using 5.2 - i don't know if hdf has changed though (still ver 4?)
that said

```
PRO HDF_AN_TEST

path = 'c:\my documents\leon\data\chl\'
Filename = path + 'test.hdf'


MY_FILE_ID = HDF_OPEN(Filename)
 MY_AN_ID = HDF_AN_START(MY_FILE_ID)

  Result = HDF_AN_FILEINFO(MY_AN_ID, nfl, nfd, ndl, nds)
  if Result eq 0 then begin
   print, nfl, nfd, ndl, nds

   ;annot types see HDF_AN_SELECT
   ;annot_type = 2 (file labels)
   my_annot_type = 2

   ;index see HDF_AN_SELECT
   my_index = 0

   ann_id = HDF_AN_SELECT(an_id, my_index, my_annot_type)

   if ann_id ne -1 then begin
```

```
   Result = HDF_AN_READANN(ann_id, my_file_annot)
   if Result ne -1 then begin
    print, 'File_Label:',my_file_annot
   endif else print,'AN failure 2'

  endif else print,'AN failure 1'

 endif else print,'AN failure 0'
 HDF_AN_ENDACCESS, Result
HDF_CLOSE, MY_FILE_ID
END
```

Leon Majewski

Remote Sensing & Satellite Research Group
Curtin University of Technology, Perth, Australia

email: majewski@ses.curtin.edu.au