
Subject: Landsat HDF

Posted by [raghuram](#) on Tue, 11 May 2010 14:24:46 GMT

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Hello,

I'm trying to retrieve projection information from a Landsat HDF (HDF4) file using IDL. Using the IDL routines, I'm able to retrieve the data but am not finding any functions or keywords to read the projection information. Apparently, its possible to retrieve these parameters using GDAL but if I can find an IDL/ ENVI solution, it'd be more useful.

Basically, I just want to retrieve the corner coordinates of the the four corners of an image as map coordinates (geographic or UTM..whatever the input projection is) and not as pixel coordinates (samples, lines).

Please let me know if you have any suggestions.

Thanks,
Raghu

Subject: Re: Landsat HDF

Posted by [David Fanning](#) on Wed, 12 May 2010 19:18:49 GMT

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Raghu writes:

> Apparently, HDF file types package both the data and ancillary
> information like projection in a single compact file. So I don't have
> any extra header files such as *.hdr accompanying the *.hdf files
> where I could read the projection from. The specific HDF file type of
> the file I'm using is HDF4_EOS:EOS_GRID.

Yes, I understand that. But, where can I download one?

My advice is usually not very good, unless I can test it first. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: Landsat HDF
Posted by [raghuram](#) on Thu, 13 May 2010 15:52:21 GMT
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Oh okay. The data is available internally here. Let me find an external data link from where Landsat HDFs can be downloaded and send it. It seems like the HDF type is similar to what MODIS has. But I know that a lot of toolkits that have been written are MODIS product specific- so they don't work for the landsat scenes.

Raghu

On May 12, 3:18 pm, David Fanning <n...@dfanning.com> wrote:
> Raghu writes:
>> Apparently, HDF file types package both the data and ancillary
>> information like projection in a single compact file. So I don't have
>> any extra header files such as *.hdr accompanying the *.hdf files
>> where I could read the projection from. The specific HDF file type of
>> the file I'm using is HDF4_EOS:EOS_GRID.
>
> Yes, I understand that. But, where can I download one?
> My advice is usually not very good, unless I can test
> it first. :-)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: Landsat HDF
Posted by [raghuram](#) on Wed, 19 May 2010 19:18:49 GMT
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On May 13, 11:52 am, Raghu <raghuram.narasim...@gmail.com> wrote:
> Oh okay. The data is available internally here. Let me find an
> external data link from where Landsat HDFs can be downloaded and send

> it. It seems like the HDF type is similar to what MODIS has. But I
> know that a lot of toolkits that have been written are MODIS product
> specific- so they don't work for the landsat scenes.
>
> Raghu
>
> On May 12, 3:18 pm, David Fanning <n...@dfanning.com> wrote:
>
>> Raghu writes:
>>> Apparently, HDF file types package both the data and ancillary
>>> information like projection in a single compact file. So I don't have
>>> any extra header files such as *.hdr accompanying the *.hdf files
>>> where I could read the projection from. The specific HDF file type of
>>> the file I'm using is HDF4_EOS:EOS_GRID.
>
>> Yes, I understand that. But, where can I download one?
Okay, I've tried looking for external links to Landsat HDF and have
not found any. I'll send a link location as soon as I find one. Sorry
for any inconvenience caused.

Thanks,
Raghu

>> My advice is usually not very good, unless I can test
>> it first. :-)
>
>> Cheers,
>
>> David
>
>> --
>> David Fanning, Ph.D.
>> Fanning Software Consulting, Inc.
>> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
>> Sepore ma de ni thue. ("Perhaps thos speakest truth.")
>
>

Subject: Re: Landsat HDF
Posted by lbuset@yahoo.it on Thu, 20 May 2010 12:05:22 GMT
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Hi Raghu,

I think that you can gain access to some LANDSAT free data starting
from this web page:

http://landsat.usgs.gov/Landsat_Search_and_Download.php

Hope this helps,

Lorenzo

Subject: Re: Landsat HDF

Posted by [raghuram](#) on Tue, 25 May 2010 21:46:09 GMT

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On May 20, 8:05 am, "lbus...@yahoo.it" <lbus...@yahoo.it> wrote:

> Hi Raghu,

>

> I think that you can gain access to someLANDSATfree data starting
> from this web page:

>

> http://landsat.usgs.gov/Landsat_Search_and_Download.php

>

> Hope this helps,

>

> Lorenzo

Hi Lorenzo,

Yes, the tool works. But the standard output formats are not in HDF-
thats the problem (unless these files can actually be downloaded in
HDF format).

Raghu
