Subject: Re: Plot radiances vs wavelengths
Posted by sami[1] on Tue, 10 May 2016 05:27:54 GMT
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On Monday, May 9, 2016 at 9:30:53 PM UTC+2, jiash...@gmail.com wrote:
> On Monday, May 9, 2016 at 7:35:03 AM UTC-7, sami wrote:
>> Hi,
>>
>> I am working on MYD021KM data. I try to plot radiances vs wavelengths for one pixel (lat='', long='').I am using the 'EV_1KM_Emissive'.
>> Unfortunately, I can't find how to extract the pixel value. I am still blocked. Please, does anywone know the procedure to do this? I really need your help.
>>
>> Thank you
>
> Hi Sami,
>
> Are you trying to ask how can you read the .hdf of this MODIS product?
>
> MODIS collection has a specific template you need to read the HDFs in IDL. You can find all the details about the template from the user's guide of this product. However, I have a shortcut that can save you so much time from all the hassles to create the template.
>
> I guess you have the access to ENVI. If so, download a tool called MCTK
> https://github.com/dawhite/MCTK
>
> This tool is designed to read and reproject all kinds of MODIS HDFs. Make sure you are using the original file name of the HDF files, because MCTK needs the standard MODIS product ID and other information to read the HDF. This tool is based on ENVI and you can conveniently do a batch reading by running the functions of this tool in IDL. See the user's guide of MCTK for details.
>
> If the above method does not for you, you may also try another tool designed for this purpose. You don't need the ENVI license to run it:
>
> https://lpdaac.usgs.gov/tools/modis_reprojection_tool
>
> Good luck!
>
> Shenyue

Hi,

Thank you for your help. I have already used idl to read this MODIS data and to plot maps. I know all the specification about this data and how to convert radiances. The second step as I have said, I should plot radiances vs wavelengths for one pixel in the infrared and I cannot find a method or command to extract pixel value according to latitude and longitude.

Thank you