
Subject: MODIS data projection:

Posted by [Wasit.Weather](#) on Wed, 29 Oct 2008 14:50:05 GMT

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Hello,

I want to reproject MODIS higher order reflectance/emissivity data to UTM coordinates using IDL. I got the white paper for the MODIS TOOL.

My problem is that the UTM zone is different depending on the grid values h09v05,h10v05, etc. Should I use FOR loop, or CASE, or WHERE routines?

Here is the file names.

MOD43B4.A2000049.h09v05.004.2002357024540.hdf

MOD43B4.A2000049.h10v05.004.2002357034015.hdf

MOD43B4.A2000193.h08v05.004.2003043002112.hdf

MOD43B4.A2000353.h08v04.004.2003077055209.hdf

MOD43B4.A2000353.h09v04.004.2003077070335.hdf

....

Thanks

Subject: Re: MODIS data projection:

Posted by [liamgumley](#) on Wed, 29 Oct 2008 15:49:18 GMT

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On Oct 29, 9:50 am, Bulrush <Wasit.Weat...@gmail.com> wrote:

> Hello,

> I want to reproject MODIS higher order reflectance/emissivity data to UTM coordinates using IDL. I got the white paper for the MODIS TOOL.

> My problem is that the UTM zone is different depending on the grid values h09v05,h10v05, etc. Should I use FOR loop, or CASE, or WHERE routines?

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> MOD43B4.A2000193.h08v05.004.2003043002112.hdf

> MOD43B4.A2000353.h08v04.004.2003077055209.hdf

> MOD43B4.A2000353.h09v04.004.2003077070335.hdf

>

>

> Thanks

I don't think IDL is the right tool for this task. Have you tried the MODIS Reprojection Tool?

<http://lpdaac.usgs.gov/landdaac/tools/modis/>

It is free, and it handles all the gridded MODIS Land products.

Cheers,
Liam.
Practical IDL Programming
<http://www.gumley.com/>

Subject: Re: MODIS data projection:
Posted by [David Fanning](#) on Wed, 29 Oct 2008 15:50:15 GMT
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liamgumley@gmail.com writes:

> I don't think IDL is the right tool for this task. Have you tried the
> MODIS Reprojection Tool?
>
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I'll second this suggestion.

Cheers,

David

--

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

Subject: Re: MODIS data projection:
Posted by [Wasit.Weather](#) on Wed, 29 Oct 2008 22:32:48 GMT
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On Oct 29, 10:50 am, David Fanning <n...@dfanning.com> wrote:
> liamgum...@gmail.com writes:
>> I don't think IDL is the right tool for this task. Have you tried the
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>> <http://lpdaac.usgs.gov/landdaac/tools/modis/>
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> David
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> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

But, I have to process at least 1000 images. That tool handles one by one.

Any other constructive advice? :-)

Thanks

Subject: Re: MODIS data projection:
Posted by [David Fanning](#) on Wed, 29 Oct 2008 22:34:11 GMT
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Bulrush writes:

> But, I have to process at least 1000 images. That tool handles one by
> one.
>
> Any other constructive advice? :-)

Perl script? :-)

Cheers,

David

--

David Fanning, Ph.D.
Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: MODIS data projection:
Posted by [Wasit.Weather](#) on Wed, 29 Oct 2008 22:39:23 GMT
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On Oct 29, 10:50 am, David Fanning <n...@dfanning.com> wrote:
> liamgum...@gmail.com writes:

>> I don't think IDL is the right tool for this task. Have you tried the
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> I'll second this suggestion.
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> Cheers,
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> David
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> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

I am working on at least 1000 images. I think I stick to IDL. Is there any constructive suggestion? :-)

Thanks

Subject: Re: MODIS data projection:
Posted by [devin.white](#) on Thu, 30 Oct 2008 09:47:34 GMT
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On Oct 29, 6:39 pm, Bulrush <Wasit.Weat...@gmail.com> wrote:
> On Oct 29, 10:50 am, David Fanning <n...@dfanning.com> wrote:
>
>
>
>
>
>> liamgum...@gmail.com writes:
>>> I don't think IDL is the right tool for this task. Have you tried the
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>
>>> <http://lpdaac.usgs.gov/landdaac/tools/modis/>
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>> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
>
> I am working on at least 1000 images. I think I stick to IDL. Is there
> any constructive suggestion? :-)
>
> Thanks- Hide quoted text -
>
> - Show quoted text -

You could try the MODIS Conversion Toolkit, which can handle single and batch mode processing of all known products. It's an ENVI plugin. You can download it here: <http://www.ittvis.com/UserCommunity/CodeLibrary.aspx>. Search for "MODIS" and you'll find it.

Subject: Re: MODIS data projection:
Posted by [alkalify](#) on Thu, 30 Oct 2008 19:24:35 GMT
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On Oct 29, 3:34 pm, David Fanning <n...@dfanning.com> wrote:
> Bulrush writes:
>> But, I have to process at least 1000 images. That tool handles one by
>> one.
>
>> Any other constructive advice? :-)
>
> Perl script? :-)
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> Cheers,
>
> David
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> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Actually, you don't even need perl for the MRT. A plain old shell script works fine. If the original poster really needs this to be part of some larger IDL program, then they can just call ther

Subject: Re: MODIS data projection:
Posted by [alkalify](#) on Thu, 30 Oct 2008 19:26:14 GMT

On Oct 29, 3:34 pm, David Fanning <n...@dfanning.com> wrote:

> Bulrush writes:
>> But, I have to process at least 1000 images. That tool handles one by
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>> Any other constructive advice? :-)
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> Perl script? :-)
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> Cheers,
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> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Actually, you don't even need perl for the MRT. A plain old shell script works fine. If the original poster really needs this to be part of some larger IDL program, then they can just call the MRT using spawn.

Subject: Re: MODIS data projection:

Posted by [Wasit.Weather](#) on Fri, 31 Oct 2008 08:26:16 GMT

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On Oct 30, 2:26 pm, alkalify <alkali...@gmail.com> wrote:

> On Oct 29, 3:34 pm, David Fanning <n...@dfanning.com> wrote:
>
>> Bulrush writes:
>>> But, I have to process at least 1000 images. That tool handles one by
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- > Actually, you don't even need perl for the MRT. A plain old shell
- > script works fine. If the original poster really needs this to be
- > part of some larger IDL program, then they can just call the MRT using
- > spawn.

Hello All,

Finally, I accepted MCRT from ITTVIS, the Modis COntersion Tool works fine this.

Thanks
