Subject: Save data in hdf with Projection Information
Posted by Marta Yebra on Mon, 30 Mar 2015 05:38:01 GMT

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Hello,

I have read a MODIS imagen HDF_EOS format using hdf_open and I have gotten the Grid Map Projection Information following http://www.idlcoyote.com/map_tips/eosgrid.php

Afterwards I do some computations with the MODIS band and derive a product.

I now need to save that product. I have tried GEOTIFF but I get completely lost. I have also tried Hdf but I do not know how to include the projection information (same than the original image of course)

I would really appreciate some tips. I have being all day reading information around this but I have not being able to fix my problem and I am very frustrated.

Many thanks,

Marta

Subject: Re: Save data in hdf with Projection Information
Posted by David Fanning on Mon, 30 Mar 2015 12:56:59 GMT

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Marta Yebra writes:

> I have read a MODIS imagen HDF_EOS format using hdf_open and I have gotten the Grid Map Projection Information following http://www.idlcoyote.com/map_tips/eosgrid.php
>
> Afterwards I do some computations with the MODIS band and derive a product.
>
> I now need to save that product. I have tried GEOTIFF but I get completely lost. I have also tried Hdf but I do not know how to include the projection information (same than the original image of course)
>
> I would really appreciate some tips. I have being all day reading information around this but I have not being able to fix my problem and I am very frustrated.

I can believe it! Unfortunately, I don't think there are any non-frustrating answers. :-(

I'm guessing your best bet would be your GeoTiff option. That way you only have to spend a week or two poking around in the GeoTiff specs. The EOS_GD way leads through miasmatic swamps. Travelers there have gone missing for decades. Good luck!

Cheers,

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

Subject: Re: Save data in hdf with Projection Information
Posted by David Fanning on Mon, 30 Mar 2015 13:32:26 GMT
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David Fanning writes:

> I can believe it! Unfortunately, I don't think there are any non-
> frustrating answers. :-(

I just stumbled onto this, which seems appropriate for this topic:

   "Success is the ability to go from failure to failure, without a
    loss of enthusiasm." - Sir Winston Churchill

Cheers,

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

Subject: Re: Save data in hdf with Projection Information
Posted by Marta Yebra on Mon, 30 Mar 2015 22:39:53 GMT
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Hello David. I was just hoping to have some tips to move a bit faster on this matter (I need to present some results on a project meeting next week) or I though somebody would have made it before and could provide me with an example.
OK, I will see what can I do! I am always optimistic when I start a new day.
Thanks,
Marta