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Subject: create geotiff

Posted by [kerber\\_80](#) on Tue, 25 Sep 2007 18:35:14 GMT

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Good day everyone !

can you help me with creating geoTIFF format.

I have image and geographic data but i can't understand how geoTIFF created. what parameters is needed ???

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Subject: Re: create geotiff

Posted by [Mark Conner](#) on Wed, 03 Oct 2007 16:41:01 GMT

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On Sep 25, 1:35 pm, kerber...@yahoo.com wrote:

> Good day everyone !

>

> can you help me with creating geoTIFF format.

> I have image and geographic data but i can't understand how geoTIFF

> created. what parameters is needed ???

Is your data in a regular lat/lon grid or some other projection? If in a regular lat/lon grid I can send a code snippet that will make a GeoTIFF that is recognizable in ArcMap.

- Mark

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Subject: Re: create geotiff

Posted by [David Fanning](#) on Wed, 03 Oct 2007 16:54:21 GMT

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Mark Conner writes:

> Is your data in a regular lat/lon grid or some other projection? If  
> in a regular lat/lon grid I can send a code snippet that will make a  
> GeoTIFF that is recognizable in ArcMap.

Well, if it's just a cod snippet, how about letting the rest of us have a look, too. :-)

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.")

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Subject: Re: create geotiff  
Posted by [David Fanning](#) on Wed, 03 Oct 2007 17:02:52 GMT  
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David Fanning writes:

> Well, if it's just a cod snippet, how about letting the  
> rest of us have a look, too. :-)

Whoops! I guess a cod is something different. I would like  
to see the code, however. :-)

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.")

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Subject: Re: create geotiff  
Posted by [Mark Conner](#) on Wed, 03 Oct 2007 19:37:13 GMT  
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The cod snippet you'll get in snail mail. (Snails? Cod? Sounds  
vaguely French.....)

Anyway, here's the code snippet.

```
;maxlat = maximum latitude of grid
;minlat = minimum latitude of grid
;maxlat,maxlon = same for longitude
;image = byte array to be written to Geotiff
;ysize = # columns in image
;ysize = # rows in image
;outfile1 = output filename

scale = double([(maxlon-minlon)/ysize, $
               (maxlat-minlat)/ysize, $
```

0.0])

```
tiepoints = double([xsize/2.0,ysize/2.0,0.0,(maxlon+minlon)/2.0,  
(maxlat+minlat)/2.0,0.0])
```

```
gtiff = {modeltiepointtag: tiepoints, $  
        modelpixelscaletag: scale, $  
        gtmodeltypegeokey: 2, $      ; Geographic model type  
        geographictypegeokey: 4326, $ ; WGS84  
        grastertypegeokey: 1}        ; pixel represents an  
area
```

```
write_tiff, outfile1,reverse(image,2),comp=2,geotiff=gtiff ;  
reverse may not be necessary for your images
```

- Mark

----

Mark D. Conner  
Sr. Staff Scientist  
Atmospheric & Environmental Research, Inc.

On Oct 3, 12:02 pm, David Fanning <n...@dfanning.com> wrote:

```
> David Fanning writes:  
>> Well, if it's just a cod snippet, how about letting the  
>> rest of us have a look, too. :-)  
>  
> Whoops! I guess a cod is something different. I would like  
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> Cheers,  
>  
> David  
>  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming: http://www.dfanning.com/  
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```

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Subject: Re: create geotiff

Posted by [Mark Conner](#) on Wed, 03 Oct 2007 19:41:22 GMT

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Forgot to mention this is based on <http://remotesensing.org/geotiff/spec/geotiff3.html#3.1.4>.

- Mark

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