
Subject: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 19:24:02 GMT

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Hi

I have an array and want to write the values to a geotiff. I have another GEOTiff file of the same area with exactly same dimension. I read this GEOTiff and extracted its Geokey info (GeoKeys). I use this command to create a new Geotiff using this Geokey:

```
TIFF_write, test.tiff, data, GEOTIFF=GeoKeys
```

I got this error message "Keyword FLOAT not allowed in call to: TIFF_WRITE", do you what is wrong with this?

Thanks

LHB

Subject: Re: Write a GeoTiff

Posted by [David Fanning](#) on Mon, 12 May 2014 19:28:06 GMT

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lhashemi@g.harvard.edu writes:

> I have an array and want to write the values to a geotiff. I have another GEOTiff file of the same area with exactly same dimension. I read this GEOTiff and extracted its Geokey info (GeoKeys). I use this command to create a new Geotiff using this Geokey:

>

> TIFF_write, test.tiff, data, GEOTIFF=GeoKeys

>

> I got this error message "Keyword FLOAT not allowed in call to: TIFF_WRITE", do you what is wrong with this?

Haha! I'd try putting quotes around "test.tiff". That might help.
Strange error message, though. :-)

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: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 19:33:02 GMT

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On Monday, May 12, 2014 3:28:06 PM UTC-4, David Fanning wrote:

> lhashemi@g.harvard.edu writes:

>

>

>

>> I have an array and want to write the values to a geotiff. I have another GEOTiff file of the same area with exactly same dimension. I read this GEOTiff and extracted its Geokey info (GeoKeys). I use this command to create a new Geotiff using this Geokey:

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>>

>

>> TIFF_write, test.tiff, data, GEOTIFF=GeoKeys

>

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>> I got this error message "Keyword FLOAT not allowed in call to: TIFF_WRITE", do you what is wrong with this?

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> Haha! I'd try putting quotes around "test.tiff". That might help.

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> Strange error message, though. :-)

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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.idlcoyote.com/>

>

> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Hi David,

Sorry, it has quotes around the file, when I delete ",/float, GEOTIFF=GeoKeys" it creates a tiff file

which is not geo-referenced, and when I add "GEOTIFF=GeoKeys" (GeoKeys comes from another geotiff with same dimension), it gives this error: "Keyword GeoKeys not allowed in call to: TIFF_WRITE", any help highly appreciated.

Thanks

Subject: Re: Write a GeoTiff

Posted by [David Fanning](#) on Mon, 12 May 2014 19:36:13 GMT

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lhashemi@g.harvard.edu writes:

> Sorry, it has quotes around the file, when I delete ",/float, GEOTIFF=GeoKeys" it creates a tiff file which is not geo-referenced, and when I add "GEOTIFF=GeoKeys" (GeoKeys comes from another geotiff with same dimension), it gives this error: "Keyword GeoKeys not allowed in call to: TIFF_WRITE", any help highly appreciated.

Can you show me the line of code **exactly** as you have written it.

David

--

David Fanning, Ph.D.

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Subject: Re: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 19:41:35 GMT

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On Monday, May 12, 2014 3:36:13 PM UTC-4, David Fanning wrote:

> lhashemi@g.harvard.edu writes:

>

>

>

>> Sorry, it has quotes around the file, when I delete ",/float, GEOTIFF=GeoKeys" it creates a tiff file which is not geo-referenced, and when I add "GEOTIFF=GeoKeys" (GeoKeys comes from another geotiff with same dimension), it gives this error: "Keyword GeoKeys not allowed in call to: TIFF_WRITE", any help highly appreciated.

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> Can you show me the line of code **exactly** as you have written it.
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> David
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> David Fanning, Ph.D.
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>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

these are the lines:

```
LandCover = READ_TIFF('C:\SWE\Data\ssmis\LandCoverSSMIS.tif', GEOTIFF=GeoKeys)
filename = 'C:\SWE\Data\ssmis\SSMIS_SWE2.tif'
TIFF_write, filename, SWE, GEOTIFF=GeoKeys
```

LandCover and SWE both have same dimension: [868,1042]

Thanks
LHB

Subject: Re: Write a GeoTiff
Posted by [David Fanning](#) on Mon, 12 May 2014 19:44:09 GMT
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lhashemi@g.harvard.edu writes:

> these are the lines:
>
> LandCover = READ_TIFF('C:\SWE\Data\ssmis\LandCoverSSMIS.tif', GEOTIFF=GeoKeys)
> filename = 'C:\SWE\Data\ssmis\SSMIS_SWE2.tif'
> TIFF_write, filename, SWE, GEOTIFF=GeoKeys
>
> LandCover and SWE both have same dimension: [868,1042]

Well, since you aren't using a FLOAT keyword in this command, I would say the problem is you haven't recompiled this piece of code from the last time you DID use a FLOAT keyword in this command.

In other words, you aren't running the code you think you are running.
:-)

Cheers,

David

--

David Fanning, Ph.D.

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Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 19:49:30 GMT

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On Monday, May 12, 2014 3:44:09 PM UTC-4, David Fanning wrote:

> lhashemi@g.harvard.edu writes:

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>

>

>> these are the lines:

>

>>

>

>> LandCover = READ_TIFF('C:\SWE\Data\ssmis\LandCoverSSMIS.tif', GEOTIFF=GeoKeys)

>

>> filename = 'C:\SWE\Data\ssmis\SSMIS_SWE2.tif'

>

>> TIFF_write, filename, SWE, GEOTIFF=GeoKeys

>

>>

>

>> LandCover and SWE both have same dimension: [868,1042]

>

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>

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>

>
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> :-)
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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.idlcoyote.com/>
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

you are right, because my value are float,I used : TIFF_write, filename, SWE, /Float, GEOTIFF=GeoKeys . it gives same error " "Keyword FLOAT not allowed in call to: TIFF_WRITE" , I deleted "/float" the message become " Keyword GeoKeys not allowed in call to: TIFF_WRITE". when I delete both /float and GeoKeys keywords, it creates a tif file not GeoTiff. I want to creat Geotiff file.

Subject: Re: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 19:59:20 GMT

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On Monday, May 12, 2014 3:49:30 PM UTC-4, lhas...@g.harvard.edu wrote:

> On Monday, May 12, 2014 3:44:09 PM UTC-4, David Fanning wrote:

>
>> lhashemi@g.harvard.edu writes:

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>>> these are the lines:

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>
>>> LandCover = READ_TIFF('C:\SWE\Data\ssmis\LandCoverSSMIS.tif', GEOTIFF=GeoKeys)
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>>> filename = 'C:\SWE\Data\ssmis\SSMIS_SWE2.tif'
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>>
>
>>> TIFF_write, filename, SWE, GEOTIFF=GeoKeys
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>> Cheers,
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>> David
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>> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
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> you are right, because my value are float,I used : TIFF_write, filename, SWE, /Float,
GEOTIFF=GeoKeys . it gives same error " "Keyword FLOAT not allowed in call to: TIFF_WRITE" ,
I deleted "/float" the message become " Keyword GeoKeys not allowed in call to: TIFF_WRITE".
when I delete both /float and GeoKeys keywords, it creates a tif file not GeoTiff. I want to creat
Geotiff file.

```


the problem is solved :)

Subject: Re: Write a GeoTiff

Posted by [David Fanning](#) on Mon, 12 May 2014 20:05:23 GMT

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lhashemi@g.harvard.edu writes:

> the problem is solved :)

Let me guess. You restarted IDL (as opposed to recompiling the program).
:-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Seppure ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Write a GeoTiff

Posted by [lhashemi](#) on Mon, 12 May 2014 20:16:09 GMT

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On Monday, May 12, 2014 4:05:23 PM UTC-4, David Fanning wrote:

> lhashemi@g.harvard.edu writes:

>

>

>

>> the problem is solved :)

>

>

>

> Let me guess. You restarted IDL (as opposed to recompiling the program).

>

> :-)

>

>

>

> Cheers,

>

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>
> David
>
> --
>
> David Fanning, Ph.D.
>
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>
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>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

:)))) no, I used Write-tiff instead tiff-write :)))) Thanks for taking the time to help.

cheers
LHB

Subject: Re: Write a GeoTiff
Posted by [David Fanning](#) on Mon, 12 May 2014 20:23:58 GMT
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lhashemi@g.harvard.edu writes:

> :)))) no, I used Write-tiff instead tiff-write :)))) Thanks for taking the time to help.

Ah! :-)

David

--
David Fanning, Ph.D.
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