Subject: Write a GeoTiff

Posted by Ihashemi on Mon, 12 May 2014 19:24:02 GMT

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Ηi

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 Geotiif 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 Geotiif 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.")

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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 Geotiif 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.")
Hi David,
```

Sorry, it has quotes around the file, when I delete ",/float, GEOTIFF=GeoKeys" it creats 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 creats 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.

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 Ihashemi 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 creats 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.
 Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> 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 Ma

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.

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 Ihashemi 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:
>
>
>
>> 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.
  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 Ihashemi on Mon, 12 May 2014 19:59:20 GMT
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```

```
>>
>
>>>
>>
>>> 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.
>>
>
>> 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 David Fanning on Mon, 12 May 2014 20:05:23 GMT

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Ihashemi@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/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
```

Subject: Re: Write a GeoTiff
Posted by Ihashemi 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,
```

```
> David
> David Fanning, Ph.D.
> David Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> 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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```

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