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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [David Fanning](#) on Thu, 24 Jun 2004 20:58:32 GMT  
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Michael Wallace writes:

> I am trying to use one of the procedures in Mark's Motley library, but  
> running into some problems. I want to use the MGH\_NCDF\_SAVE utility  
> program to save some of my structures to NetCDF files. However, when  
> running the command I see a lovely variable undefined error.  
>  
> % Variable is undefined: SZ.  
> % Execution halted at: MGH\_NCDF\_SAVE 115  
> <path to the library>/motley/mgh\_ncdf\_save.pro  
>  
> After looking at mgh\_ncdf\_save.pro, the variable SZ does not exist  
> anywhere else in the file. I am just learning about NetCDF and this  
> Motley library, so I really haven't spent the time to try to figure out  
> what was really intended on this line. I was wondering if anyone else  
> out there uses this utility program and/or has run into the same problem  
> before and what needs to be done to fix it.

I'm not speaking for Mark, but I think that "sz" should be  
changed to "ndims". :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [Michael Wallace](#) on Thu, 24 Jun 2004 21:41:20 GMT  
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> I'm not speaking for Mark, but I think that "sz" should be  
> changed to "ndims". :-)

That's what I first thought also, but then I realized that ndims is a  
scalar. SZ needs to be an array.

-Mike

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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [Mark Hadfield](#) on Thu, 24 Jun 2004 21:49:51 GMT  
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David Fanning wrote:

> Michael Wallace writes:

>

>> I am trying to use one of the procedures in Mark's Motley library, but  
>> running into some problems. I want to use the MGH\_NCDF\_SAVE utility  
>> program to save some of my structures to NetCDF files. However, when  
>> running the command I see a lovely variable undefined error.

>>

>> % Variable is undefined: SZ.

>> % Execution halted at: MGH\_NCDF\_SAVE 115

>> <path to the library>/motley/mgh\_ncdf\_save.pro

>

> I'm not speaking for Mark, but I think that "sz" should be  
> changed to "ndims". :-)

Yeah, something like that. The variable name "sz" would have been left over from code that used the old-style SIZE function. Without keywords, SIZE(var) returns an array in which the first element is the number of dimensions. These days one would use SIZE(var, /N\_DIMENSIONS) for the same purpose.

It looks like you have an old copy of the library, Michael. The copies currently on David's site no longer have this problem:

<http://www.dfanning.com/hadfield/idl/motley.zip>

<http://www.dfanning.com/hadfield/idl56/motley.zip>

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"

[m.hadfield@niwa.co.nz](mailto:m.hadfield@niwa.co.nz)

National Institute for Water and Atmospheric Research (NIWA)

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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [Michael Wallace](#) on Thu, 24 Jun 2004 23:11:09 GMT  
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> It looks like you have an old copy of the library, Michael. The copies  
> currently on David's site no longer have this problem:

>

> <http://www.dfanning.com/hadfield/idl/motley.zip>

> <http://www.dfanning.com/hadfield/idl56/motley.zip>

>

Well, I just downloaded the library today from David's web site. I tried both of the zip files above and the mysterious SZ variable appears in mgh\_ncdf\_save.pro in each of them....

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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [David Fanning](#) on Fri, 25 Jun 2004 03:05:00 GMT  
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Michael Wallace writes:

> Well, I just downloaded the library today from David's web site. I  
> tried both of the zip files above and the mysterious SZ variable appears  
> in mgh\_ncdf\_save.pro in each of them....

Uh, well, I was playing tennis. :-(

I'll update them in a minute or two. :-)

Cheers,

David

--

David Fanning, Ph.D.  
Fanning Software Consulting, Inc.  
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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [David Fanning](#) on Fri, 25 Jun 2004 03:15:59 GMT  
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David Fanning writes:

> I'll update them in a minute or two. :-)

Done.

David

--

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

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Subject: Re: Motley MGH\_NCDF\_SAVE problem  
Posted by [Michael Wallace](#) on Fri, 25 Jun 2004 15:11:48 GMT  
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> David Fanning writes:  
>  
>  
>> I'll update them in a minute or two. :-)  
>

Thanks, David.

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