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/

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

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, Hoea tatou" m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

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....

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.

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

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.

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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.
```