Subject: Re: NCDF_ATTCOPY and typecasting
Posted by alexzcervantes@gmail. on Mon, 21 Aug 2006 16:40:17 GMT
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Doh! I guess a better question would be, when using ncdf_attget, is there a way to determine tye type of the attribute you are reading? I am thinking I need special 'if' statement to check if the attribute is of type string, then write it out as string if it is so.

-Alex
David Fanning wrote:
> alexzcervantes@gmail.com writes:
>
>> Here is a chunk of my code:
>>
>> if(natts gt 0) then begin
>> FOR index = 0L, natts - 1L DO BEGIN
>> ;----Load the attribute name in attribute name array
>> maf_attname = ncdf_attname(mafncid, mafvarid, index)
>> ncdf_attget, mafncid, mafvarid, maf_attname, attval
>> ncdf_attput, cdfid, l2pvarid, maf_attname, attval, /byte
>> ENDFOR
>> endif
>>
>> Everything seems to work except when I have to copy over strings. When
>> I typecast a string to byte, I get output like this:
>>
>> solar_irradiance:_FillValue = -1b ;
>> solar_irradiance:scale_factor = 1b ;
>> solar_irradiance:add_offset = 0b ;
>> solar_irradiance:valid_min = 0b ;
>> solar_irradiance:valid_max = 0b ;
>> solar_irradiance:long_name = 115b, 111b, 108b, 97b, 114b, 32b, 105b,
>> 114b, 114b, 97b, 100b, 105b, 97b, 110b, 99b, 101b ;
>
> So, what do you think is wrong?
>
> IDL> long_name = [115b, 111b, 108b, 97b, 114b, 32b, 105b, 114b, $
> 114b, 97b, 100b, 105b, 97b, 110b, 99b, 101b]
> IDL> print, string(long_name)
> solar irradiance
>
> 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. (Opata Indian saying, meaning "Perhaps thou
> speakest truth.")
