Dear Dick,

thank you for your answer . You were right and "dir" was my home directory. But I did some
mistake because now the code works and I can add the records to the file "atl.grb2".
I'm wondering if there is a code example in the IDL documentation where I can find and example
of writing a new grib(2) file , i.e. without using the file atl.grb2 as the starting point.

Thanks .

Stefano
Il giorno venerdì 30 dicembre 2016 02:30:04 UTC+1, Dick Jackson ha scritto:
> On Tuesday, 27 December 2016 06:57:08 UTC-8, s.fd...@gmail.com wrote:
>> Dear all,
>>
>> I'm trying to run the following IDL code:
>>
>> --------------
>> pro read_grb2
>>
>> file = FILEPATH('atl.grb2', $
>>   SUBDIRECTORY=['examples','data'])
>> ;FILE_COPY,file,dir+'atl.grb2'
>> GRIB_LIST,dir+'atl.grb2'
>>
>> record = ORDEREDHASH()
>> record['GRIBEditionNumber']=2
>> record['values'] = dblarr(1024)
>> GRIB_PUTDATA, dir+file, record
>>
>> end
>> -------------------------
>>
>> It should add "record" to the grib file atl.grb2 (that was copied in my home directory).
>> When I run the code I get the following error:
>>
>> % Loaded DLM: GRIB.
>> % Compiled module: GRIB_LIST.
>> 1   crain   DOUBLEARRAY[141151]
>> 2   usct   DOUBLEARRAY[141151]
>> 3   vsct   DOUBLEARRAY[141151]
>> 4   tsec   DOUBLEARRAY[141151]
>> % Compiled module: GRIB_PUTDATA.
>> % GRIB_PUTDATA: GRIB_SET: Value is read only
>> % Execution halted at: READ_GRB2   123

>>   /Users/stefano/fdgrib2/read_grb2.pro
>> % $MAIN$
>>
>> I cannot understand the reason for this error. Does anybody have an idea?
>>
>> Thanks
>>
>> Stefano
>
> Hi Stefano,
>
> I'm guessing that the code you ran is not *exactly* what you quoted, because 'dir' doesn't seem to be given a value before it is used. In any case, if GRIB_LIST worked with dir+'atl.grb2', and if you are getting 'file' from FILEPATH(), which returns a fully-qualified path, you would be calling GRIB_PUTDATA with a filename of something like /path/to/examples/data//path/to/examples/data/atl.grb2, which I will guess does not exist.
>
> The "Value is read only" message doesn't really point to this sort of problem, but you never can tell with error messages… Is that in fact the problem?
>
> Cheers,
> -Dick
>
> Dick Jackson Software Consulting Inc.
> Victoria, BC, Canada --- http://www.d-jackson.com