Subject: Re: [Urgent] TXT-to-GRIB Converter & NetCDF-to-GRIB Converter for IDL
Posted by R.Bauer on Sat, 19 Jun 2004 07:42:15 GMT
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Minnie wrote:

> Dear IDL Users
>
>
> I am looking for text file to GRIB file converter for IDL
> , also NetCDF file to GRIB converter.
>
> GRIB is a gridded binary file format that is the WMO standard for binary
> files.
>
> Any information about this would be appreciated.

Dear Minnie

what do you mean by "text file"?

we are using the wgribhop.c which is in the hiphop package of Dominik
Brunner. Based on this we have a read_grib/write_ncdf routine.

 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl _html/dbase
read_grib_dbase.pro.html

 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl _lib
DominikBrunner/wgribhop.c

 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl _html/dbase
write_ncdf_dbase.pro.html

For further routines and licensing plkease have a look at
 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

best regards

Reimar

--
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/

== ======

a IDL library at ForschungsZentrum Juelich
 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

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Subject: Re: [Urgent] TXT-to-GRIB Converter & NetCDF-to-GRIB Converter for IDL
Posted by Kenneth P. Bowman on Mon, 21 Jun 2004 13:00:53 GMT
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In article <f2954a2e.0406190004.285f1ac@posting.google.com>,
 msyang@satrec.kaist.ac.kr (Minnie) wrote:

> Dear IDL Users
>
>
> I am looking for text file to GRIB file converter for IDL
> , also NetCDF file to GRIB converter.
>
> GRIB is a gridded binary file format that is the WMO standard for binary
> files.
>
> Any information about this would be appreciated.

There is the wgrib library from NCEP.

http://wesley.wwb.noaa.gov/wgrib.html

wgrib is a command-line utility that will extract data from grib files
and write it to various file formats. (Why anyone would want to *write*
a grib file is beyond me. ;-)) You can use it within IDL by SPAWNing
calls to wgrib. It has been ported to a number of different platforms.

Ken Bowman

Subject: Re: [Urgent] TXT-to-GRIB Converter & NetCDF-to-GRIB Converter for IDL
Posted by Paul Van Delst[1] on Mon, 21 Jun 2004 14:20:51 GMT
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Kenneth P. Bowman wrote:
> In article <f2954a2e.0406190004.285f1ac@posting.google.com>,
> msyang@satrec.kaist.ac.kr (Minnie) wrote:
>
>
>> Dear IDL Users
>>
>>

>> I am looking for text file to GRIB file converter for IDL
>> , also NetCDF file to GRIB converter.
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> wgrib is a command-line utility that will extract data from grib files
> and write it to various file formats. (Why anyone would want to *write*
> a grib file is beyond me. ;-))

Ha ha. I was going to suggest the OP look at the Unidata decoders package which contains a grib2nc
utility until I realised that was backwards to the request... why *would* anyone want to write a
grib file? :o)

paulv

Subject: Re: [Urgent] TXT-to-GRIB Converter & NetCDF-to-GRIB Converter for IDL
Posted by wmconnolley on Mon, 21 Jun 2004 16:19:59 GMT

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Paul Van Delst <paul.vandelst@noaa.gov> wrote:
> utility until I realised that was backwards to the request... why *would* anyone want to write a
grib file? :o)

Its a good question. If you're desperate, and understand perl, you could
try: http://www.antarctica.ac.uk/met/wmc/grib-grid.html but don't bother if
you don't know perl well :-)

-W.

--
William M Connolley | wmc@bas.ac.uk | http://www.antarctica.ac.uk/met/wmc/
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself
I'm a .signature virus! copy me into your .signature file & help me spread!

Subject: Re: [Urgent] TXT-to-GRIB Converter & NetCDF-to-GRIB Converter for IDL
Posted by Mark Hadfield on Mon, 21 Jun 2004 21:59:38 GMT

Paul Van Delst wrote:
> Ha ha. I was going to suggest the OP look at the Unidata decoders
> package which contains a grib2nc utility until I realised that was
> backwards to the request... why *would* anyone want to write a grib
> file? :o)

Because they're very compact?

I've never wanted to write one either, but somebody obviously does
because there's a library, called gribw, under development to support
write (and read) access:

   http://wesley.wwb.noaa.gov/gribw.html

It includes a command-line utility of the same name. The WWW page shows
an example where a GRIB file is converted to text via 2 calls to wgrib,
then piped to gribw which recreates the original file. Wow!

--
Mark Hadfield   "Ka puwaha te tai nei, Hoea tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)