Subject: *.cdf files

Posted by Martin Leitner on Mon, 26 Mar 2001 08:32:43 GMT

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Hello

Does anyone know good literature or good web sides about how to work on cdf files with IDL? greetings

Martin Leitner

Subject: Re: *.cdf files

Posted by R.Bauer on Mon, 26 Mar 2001 19:47:03 GMT

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Martin Leitner wrote:

>

- > Hello
- > Does anyone know good literature or good web sides about how to work on
- > cdf files with IDL?
- > greetings
- > Martin Leitner

Dear Martin,

I have written a publication how we use the cdf format netCDF.

We are having a function read_ncdf (read_hdf) and a procedure write_ncdf (write_hdf).

Both are used by a defined structure (ICG-DATA-STRUCT) to exchange data between IDL and netCDF.

The most part of the publication is a detailed description of this structure

and lots of examples how it could be used. There is no problem to define 1 to 8-dimensions of a dataset in this structure. Many coordination variables

are possible.

Other chapters are IDL and HTML and how to make printouts for publications as standard.

My publication is written in German.

http://www.fz-juelich.de/zb/text/publikation/juel3786.html

The library you can access from http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml --

Reimar Bauer

Institut fuer Stratosphaerische Chemie (ICG-1) Forschungszentrum Juelich email: R.Bauer@fz-juelich.de http://www.fz-juelich.de/icg/icg1/

a IDL library at ForschungsZentrum Juelich http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml

http://www.fz-juelich.de/zb/text/publikation/juel3786.html

Subject: Re: *.cdf files

Posted by Mark Hadfield on Mon, 26 Mar 2001 21:35:04 GMT

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"Reimar Bauer" <r.bauer@fz-juelich.de> wrote in message news:3ABF9CB7.67606E21@fz-juelich.de...

> Martin Leitner wrote:

>>

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> >

> Dear Martin,

>

> I have written a publication how we use the cdf format netCDF.

Yes, but netCDF and CDF are not the same thing. They *are* kind of similar (in that they're binary data formats intended for storing array data) but there are lots of differences, notably in the way dimensions are handled.

I haven't use CDF for several years, but I imagine the best source of information is still the WWW site:

http://nssdc.gsfc.nasa.gov/cdf/

Warning: One of the reasons I quit using CDF was that on IDL for Windows there was a nasty (and utterly unnecessary) 64 kB limit on the size of data retrievals. I think it may still be there.

__

Mark Hadfield

Subject: Re: *.cdf files Posted by robert.m.candey.1[2] on Tue, 27 Mar 2001 04:10:46 GMT View Forum Message <> Reply to Message In article <985643230.221981@clam-ext>. "Mark Hadfield" <m.hadfield@niwa.cri.nz> wrote: > "Reimar Bauer" <r.bauer@fz-juelich.de> wrote in message > news:3ABF9CB7.67606E21@fz-juelich.de... >> Martin Leitner wrote: >>> >>> Hello >>> Does anyone know good literature or good web sides about how to work on >>> cdf files with IDL? >>> greetings >>> Martin Leitner >> >> >> Dear Martin, >> >> I have written a publication how we use the cdf format netCDF. > Yes, but netCDF and CDF are not the same thing. They *are* kind of similar > (in that they're binary data formats intended for storing array data) but > there are lots of differences, notably in the way dimensions are handled. > > I haven't use CDF for several years, but I imagine the best source of > information is still the WWW site: > http://nssdc.gsfc.nasa.gov/cdf/ > Warning: One of the reasons I quit using CDF was that on IDL for Windows > there was a nasty (and utterly unnecessary) 64 kB limit on the size of data > retrievals. I think it may still be there. > > Mark Hadfield > m.hadfield@niwa.cri.nz http://katipo.niwa.cri.nz/~hadfield > National Institute for Water and Atmospheric Research I believe the memory limits on PCs were removed in CDF 2.5.

questions as well.

Also see http://nssdc.gsfc.nasa.gov/spdf/sp_use_of_cdf.html for pointers to

useful CDF tools, including CDAWlib in IDL. I'll be glad to answer other

--

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