
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:

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> 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](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html)

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Reimar Bauer

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<http://www.fz-juelich.de/icg/icg1/>

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a IDL library at Forschungszentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<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,

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> 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
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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...
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>
> ---
> 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.
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
questions as well.

--

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Greenbelt MD 20771 USA <<http://nssdc.gsfc.nasa.gov/personnel/rcandey/>>
