Subject: Re: scientific data compression Posted by R.Bauer on Sat, 03 Apr 2004 00:11:44 GMT

View Forum Message <> Reply to Message

Benjamin Hornberger wrote:

> Hi all,

- > I am trying to find out if there is a scientific data format which
- > supports data compression and can be handled by IDL. We use netCDF so
- > far, but that doesn't support compression yet. HDF seems to support
- > compression as of version 4.2, but IDL supports only 4.1, is that
- > correct? Any alternatives?

>

- > Thanks,
- > Benjamin

Some data could be quite good packed (not compressed) by using the scale factor and add offset attribute. This data could then be saved as integer or byte. This will save a lot of space.

We are using netCDF too. If we don't have much FillValues or missing values then the filesize would not get much smaller if we try this with bzip2 or gzip for our files. Did you have tried such a compression method before?

HDF SD and netCDF will be in Version 4 of netCDF the same.

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