Subject: Re: NetCDF and empty variables Posted by David Fanning on Wed, 22 Apr 2009 04:03:48 GMT View Forum Message <> Reply to Message

Mark writes:

```
> That said, there's nothing weird about this file except that it has an
> unlimited dimension (N_HISTORY) with size zero. And that's not really
> very weird at all.
>
  The ncdump utility shows this:
>
  $ ncdump -v HISTORY_PARAMETER 69003_prof.nc
 netcdf \69003_prof {
  dimensions:
>
       DATE_TIME =3D 14;
       STRING256 = 3D 256:
>
       STRING64 = 3D 64;
>
       STRING32 = 3D 32;
>
       STRING16 = 3D 16;
>
       STRING8 = 3D8;
>
       STRING4 = 3D 4;
>
       STRING2 = 3D 2;
>
      N_PROF = 3D 16;
>
>
       N_PARAM = 3D 2;
       N LEVELS =3D 94:
>
       N_CALIB = 3D1;
>
       N_HISTORY = 3D UNLIMITED; // (0 currently)
> variables:
 ...etc
> and so does IDL
>
> IDL> id =3D ncdf_open('C:\Temp\69003_prof.nc')
> IDL> inq =3D ncdf_inquire(id)
> IDL> ncdf_diming, id, inq.recdim, name, size
> IDL> print, name, size
> N HISTORY
> IDL> ncdf close, id
Yeah, so what does that mean that it has an unlimited
dimension. Why would someone do that? :-)
Cheers,
David
David Fanning, Ph.D.
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Fanning Software Consulting, Inc. Coyote's Guide to IDL Programming: http://www.dfanning.com/ Sepore ma de ni thui. ("Perhaps thou speakest truth.")