
Subject: Re: NetCDF Attribute Inquiry
Posted by [Alex Schuster](#) on Thu, 22 Mar 2001 12:50:29 GMT
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"Liam E. Gumley" wrote:

> Alex Schuster wrote:

[How to check for available attributes without using NCDF_ATTINQ(),
which sometimes gives bad results]

> Here is a function which returns a list of attribute names for a given
> variable name. If the variable name is set to the null string "", a list
> of global attribute names is returned.

>
> FUNCTION NCDF_ATTDIR, CDFID, VARNAME
[...]

Thanks! That's what I needed.

As I also don't know for sure beforehand which variables are in the
file, I modified your routine so it returns this info. I guess you also
already have a NCDF_VARDIR() function, but here it is anyway:

```
FUNCTION NCDF_VARDIR, CDFID
```

```
;- Check arguments
```

```
if n_params() ne 1 then message, 'Usage: RESULT = NCDF_VARDIR(CDFID)'
```

```
if n_elements(cdfid) eq 0 then message, 'CDFID is undefined'
```

```
;- Set default return value
```

```
varnames = ""
```

```
fileinfo = ncdf_inquire(cdfid)
```

```
nvars = fileinfo.nvars
```

```
;- If variables were found, get attribute names
```

```
if nvars gt 0 then begin
```

```
  varnames = strarr(nvars)
```

```
  for index = 0, nvars - 1 do $
```

```
    varnames[index] = (ncdf_varinq(cdfid,index)).name
```

```
endif
```

```
;- Return the result
```

```
return, varnames
```

```
END
```

Alex

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PGP Key available
