

QGIS Application - Bug report #12752

QGIS 2.0 to 2.8 segmentation fault opening/reading NetCDF + CF grid

2015-05-14 01:21 PM - Greg Fall

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Rasters	
Affected QGIS version:	2.8.2	Regression?: No
Operating System:	Linux, Mac OS	Easy fix?: No
Pull Request or Patch applied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 20851
Description		
<p>Several versions of qgis on several platforms (Fedora Core 19, Ubuntu 14.04, Mac OS Mavericks) segfault and bomb when I try to read a certain type of gridded NetCDF data with them. Of all the systems I have access to, only QGIS 1.8 on Centos 6.3 is able to load this grid without bombing.</p> <p>Example: http://www.nohrsc.noaa.gov/snowfall/data/201505/snfl_2014093012_to_2015050112.nc</p> <p>This is one example of many where a CF compliant NetCDF file with a moderately large grid (1500x850 in this example) breaks QGIS for me. It may or may not be relevant, but one warning I see on occasion with these files if I run QGIS from a terminal is this:</p> <p>Warning 1: No UNIDATA NC_GLOBAL:Conventions attribute</p> <p>However, that warning is not correct. Here is a portion of the "ncdump -h" output for this file:</p> <pre>// global attributes: string :format_version = "NOHRSC NetCDF raster file v1.2" ; string :Conventions = "CF-1.6" ;</pre>		

History

#1 - 2015-05-14 01:52 PM - Giovanni Manghi

- Target version changed from Version 2.10 to Future Release - High Priority
- Status changed from Open to Feedback
- Category changed from Browser to Rasters

it may be not a qgis issue after all, in fact

```
giovanni@sibirica:~/Downloads > gdalinfo snfl_2014093012_to_2015050112.nc
Warning 1: No UNIDATA NC_GLOBAL:Conventions attribute
Segmentation fault
```

#2 - 2015-05-20 06:34 AM - Saber Razmjooei

It works for me:

QGIS 2.8.2 - 64 bit

GDAL: GDAL/OGR 1.11.2

Windows 7

OSGEO4W installer

#3 - 2015-05-20 06:37 AM - Saber Razmjooei

- File snfl_2014093012_to_2015050112_gdalinfo.txt added
- File snfl_2014093012_to_2015050112.png added

Attached is more info

#4 - 2015-05-20 08:03 AM - Saber Razmjooei

- Resolution set to worksforme

#5 - 2015-05-21 09:04 AM - Giovanni Manghi

- Resolution changed from worksforme to fixed/implemented
- Status changed from Feedback to Closed

gdal still crashing on linux

giovanni@sibirica:~/Desktop > gdalinfo snfl_2014093012_to_2015050112.nc

Warning 1: No UNIDATA NC_GLOBAL:Conventions attribute

Segmentation fault

giovanni@sibirica:~/Desktop > gdalinfo --version

GDAL 1.11.2, released 2015/02/10

definitely an upstream issue. Please reopen if needed.

Files			
snfl_2014093012_to_2015050112.nc	1.37 MB	2015-05-14	Greg Fall
snfl_2014093012_to_2015050112_gdalinfo.txt	2.83 KB	2015-05-20	Saber Razmjooei
snfl_2014093012_to_2015050112.png	8.75 KB	2015-05-20	Saber Razmjooei