

## 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

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Rasters	
<b>Affected QGIS version:</b> 2.8.2	<b>Regression?:</b> No
<b>Operating System:</b> Linux, Mac OS	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 20851
<b>Description</b>	
<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: <a href="http://www.nohrsc.noaa.gov/snowfall/data/201505/snfl_2014093012_to_2015050112.nc">http://www.nohrsc.noaa.gov/snowfall/data/201505/snfl_2014093012_to_2015050112.nc</a></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> <pre>Warning 1: No UNIDATA NC_GLOBAL:Conventions attribute</pre> <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**

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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