

QGIS Application - Bug report #13148

Netcdf files : computational problem with the gdal tools

2015-07-23 06:42 AM - diane peyrot

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Rasters	
Affected QGIS version:	2.6.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 21211
Description		
<p>Hello,</p> <p>I'm working at the oceanographic center in France near Toulouse and I'm developing a SIG interface suitable for oceanographers. We have chosen QGIS for it. All files are netcdf files and I use the plugin "netcdf browser" to display it. The netcdf files is composed by several metadata and especially by a scale factor data and an offset data. I realize that QGIS and the GDAL platform can not handle this data automatically. For example, when I want to convert the temperature in kelvin degree to celsius degree, I have to calculate manually the offset and the scale factor with the help of the raster calculator to see the good values of the variable's file (expression for example: ((temperature@1x scale factor)+offset)-273.15). If I only do the conversion (temperature@1-273.15), I have inconsistent values. I have to repeat this task each time I want to display or analyze any files. It is the same thing for the other physic variables (sea surface height (ssh) and speed current (U+V). Indeed, I have to create a new layer including the scale factor and the offset before making analysis.</p> <p>I would like to know if the problem comes from the GDAL Tools or from netcdf files and if it can be solved by the community of QGIS?</p> <p>Thank you for your kindness, I stand available if you need more information.</p> <p>PS: I'm sorry because I wanted to send you a netcdf file but it is too heavy (150 Mo). Can I send you by another way like Dropbox?</p>		

History

#1 - 2015-07-30 02:55 PM - Giovanni Manghi

- Operating System deleted (GDAL Tools)
- Status changed from Open to Feedback
- Category changed from GDAL Tools to Rasters
- OS version deleted (2.6)
- Target version deleted (Future Release - Nice to have)

Feel free to link a sample using dropbox, it would certainly help.

Then I would also try 2.8/2.10, if I'm not wrong there have been fixes/improvements since 2.6 regarding this format.

I would also raise the question on the user/developers mailing lists, to try understand where is the problem, gdal or qgis.

#2 - 2015-12-21 06:01 AM - Giovanni Manghi

- Status changed from Feedback to Closed
- Resolution set to invalid

without further details and a dataset is impossible to troubleshoot this issue. Feel free to reopen.