

QGIS Application - Bug report #8619

Raster Calculator does not handle decimal values

2013-09-16 12:59 PM - Bernd Vogelgesang

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Raster Calculator	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed/implemented
Crashes QGIS or corrupts data:		Copied to github as #: 17355
Description		
<p>Using the raster calculator rarely, i'm not an expert, but I can't believe that this intended behavior: Trying to make a grayscale raster from an RGB, i used a formula found somewhere pointing out to be used in the QGIS raster calculator:</p> $\text{BandRed} * 0.3 + \text{BandGreen} * 0.59 + \text{BandBlue} * 0.11$ <p>The result is a raster with all values 0.</p> <p>My workaround was:</p> $\text{BandRed} * 3/10 + \text{BandGreen} * 59/100 + \text{BandBlue} * 11/100$ <p>The resulting values,however, are float values, but i would prefer to have integer. Using int() is accepted, but has no effect. (BTW: The is not a single word in the documentation about what other functions might be implemented)</p> <p>Linux Mint 14 with QGIS 2.1 ubuntu-unstable repository</p>		

History

#1 - 2013-12-26 04:22 AM - arturo emiliano melchiori

I am having the same behaviour with QGIS 2.0.1-Dufour and GDAL version 1.10.0. I am trying to filter a real value single band raster with a threshold of 0.15 and the result gives all values below 0. It is just not considering the decimal value.

#2 - 2014-06-21 04:56 AM - Jürgen Fischer

- Category set to Raster Calculator

#3 - 2014-06-22 12:11 PM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Open to Closed

seems ok at least on qgis master, reopen if necessary.

#4 - 2017-06-25 08:01 AM - H M

Still an issue in 2.18.9. Running on Linux Mint. Maybe it's about decimal separators, my locale uses ',', not '.'..? (The formula editor tells the expression is invalid if I try to use ',')

Only the integer part is taken into account, so $\text{"xxx"} + 0.5$ does nothing but $\text{"xxx"} + 1.5$ adds 1.

Bernd's workaround works for me too.