QGIS Application - Bug report #9793
raster cumulative count cut gives wrong values

2014-03-16 04:45 PM - Giovanni Manghi

Status:	Closed		
Priority:	Normal		
Assignee:	Radim Blazek		
Category:	Rasters		
Affected QGIS version:	master	**Regression?:**	No
Operating System:		**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	18334

Description

See the attached raster, it is byte type with just 10 different integer values.

When using qgis to create a color ramp using the CCC (2% and 98%) the values seems wrong for two reasons:

*) the values presented are 0.996094 and 254.004 : if 0 is the min and 255 is max then that values do not seem that have been cut at 2% on each side

*) shouldn't the CCC use the raster min/max values, in this case 1 and 10, to compute the cut? otherwise the ramp will be not very useful, in this case almost all black or white.

History

#1 - 2014-03-16 05:21 PM - Etienne Tourigny

- File up_5m-int16.tif added

Actually it seems there is a bug specific to Byte data, the min/max are always set to 0.996094 and 254.004 regardless of actual data.

Attaching the same file with Int16 data, and CCC min/max seem ok.

#2 - 2014-04-16 07:29 PM - Etienne Tourigny

- Status changed from Open to Closed

fixed in master 3e4a915dd239313f71d26d72b72b5d9a160d22f6.

I also added a small fix, by rounding down/up the min/max values to nearest integer. So in this case the min/max are 1 and 9 instead of 1.0 and 8.2.

Plese reopen if it's not ok with you.

Files

up_5m.tif	301 KB	2014-03-16	Giovanni Manghi
up_5m-int16.tif	268 KB	2014-03-16	Etienne Tourigny