QGIS Application - Bug report #11967
r.statistics needs to be implemented as a special case in Processing (or removed)

2015-01-08 05:17 AM - Markus Mayr

Status:	Closed			
Priority:	Normal			
Assignee:	Victor Olaya			
Category:	Processing/GRASS			
Affected QGIS version:	2.6.1	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:	Yes	**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	20174	

Description

When using the "r.statistics" GRASS algorithm via the processing toolbox, the output always corresponds to the layer selected as "Base raster layer". There is no calculation performed.
A more specialized algorithm like "r.average" seems to perform the calculation.

History

#1 - 2015-01-08 08:54 AM - Giovanni Manghi

- Operating System deleted (Linux Mint)

- OS version deleted (17.1)

as it is implemented now in Processing, r.statistics cannot work.

The reason is that the result of r.statistic (in native GRASS) is a raster layer that has the same pixel values of the base layer, where the computed statistics are stored into the (GRASS) raster labels.

The computed values can be "extracted" by doing a simple r.mapcalc operation.

So the options are:

1) remove r.statistics from Processing

2) modify GrassAlgorithm.py and add a special case (it has already be done for r.horizon and r.composite) to cope with this special module

#2 - 2015-01-09 12:35 AM - Giovanni Manghi

> *2) modify GrassAlgorithm.py and add a special case (it has already be done for r.horizon and r.composite) to cope with this special module*

note:
the map outputted by r.statistics must be processed this way

r.mapcalc "newoutput=@statistics_output"

before outputting (newoutput) with r.out.gdal

#3 - 2015-01-18 12:57 PM - Giovanni Manghi

- Subject changed from r.statistics broken? to r.statistics needs to be implemented as a special case in Processing (or removed)

#4 - 2015-05-19 08:16 AM - Markus Mayr

I added the proposed step to the processing code: https://github.com/qgis/QGIS/pull/2043

For me, this produces valid results now.

#5 - 2015-05-25 05:49 AM - Giovanni Manghi

- Pull Request or Patch supplied changed from No to Yes

#6 - 2015-06-01 09:18 AM - Giovanni Manghi

- Resolution set to fixed/implemented

- Status changed from Open to Closed