

QGIS Application - Bug report #15787

Processing: GRASS: `r.viewshed` fails

2016-10-31 12:48 AM - Paolo Cavallini

Status:	Closed	
Priority:	Normal	
Assignee:	Victor Olaya	
Category:	Processing/GRASS	
Affected QGIS version:	2.18.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: up/downstream
Crashes QGIS or corrupts data:		Copied to github as #: 23707
Description		
The command fails. Previously it was working fine. From the log it might be an upstream issue, or a consequence of a wrong param (refraction is new). GRASS 7.0.5-2 here. <pre>Avvio dell'algoritmo r.viewshed - Computes the viewshed of a point on an elevation raster map.... g.proj -c proj4="+proj=tmerc +lat_0=0 +lon_0=9 +k=0.9996 +x_0=1500000 +y_0=0 +ellps=intl +towgs84=-104.1,-49.1,-9.9,0.971,-2.917,0.714,-11.68 +units=m +no_defs" r.external input="/home/paolo/Scrivania/analisi/QGIS_data/processing/solar/dem.tif" band=1 output=tmp14776605316284 --overwrite -o g.region n=4834913.78536 s=4803364.45416 e=1689398.6273 w=1650370.47057 res=25.0020222481 r.viewshed input=tmp14776605316284 coordinates="1685516.119,4822226.074" observer_elevation="100" target_elevation="0.0" max_distance="15000" refraction_coeff="0.14286" memory="500" output=output126caf0458524d93a4b0ca4b1eb55e17 --overwrite g.region raster=output126caf0458524d93a4b0ca4b1eb55e17 r.out.gdal --overwrite -c createopt="TFW=YES,COMPRESS=LZW" input=output126caf0458524d93a4b0ca4b1eb55e17 output="/tmp/processing280351795abd4b46abfc4e193224ef92/426e9b3b2b1248afb45036cd951c3cbb/output.tif" Cleaning up temporary files... Sto avviando GRASS GIS... Sto eseguendo '/home/paolo/Scrivania/analisi/config/processing/grass7_batch_job.sh'... Default region was updated to the new projection, but if you have multiple mapsets `g.region -d` should be run in each to update the region from the default Informazioni sulla proiezione aggiornate ATTENZIONE: La verifica della proiezione verr� ignorata Reading band 1 of 1... r.external completo. Link to raster map created. ATTENZIONE: East-west resolution does not equal north-south resolution. The viewshed computation assumes the cells are square, so in this case this may result in innacuracies. Computing events... 0..3..6..9..12..15..18..21..24..27..30..33..36..39..42..45..48..51..54..57..60..63..66..69..72..75..78..81..84..87..90..93..96..99..100 Aborted ERRORE: Mappa raster non trovata ERRORE: Mappa raster o gruppo non trovato Esecuzione di '/home/paolo/Scrivania/analisi/config/processing/grass7_batch_job.sh' terminata. Cleaning up temporary files... Cleaning up temporary files... Sto avviando GRASS GIS... Sto eseguendo '/home/paolo/Scrivania/analisi/config/processing/grass7_batch_job.sh'... ERRORE: Mappa raster non trovata ERRORE: Mappa raster o gruppo non trovato</pre>		

Esecuzione di '/home/paolo/Scrivania/analisi/config/processing/grass7_batch_job.sh' terminata.

Cleaning up temporary files...

Converting outputs

Caricamento layer

The following layers were not correctly generated.

Intervisibility

History

#1 - 2016-12-09 01:09 AM - Victor Olaya

It seems it cannot find the raster layer for the viewshed algorithm, but r.external seems to have created it.

Any more info you can provide?

#2 - 2016-12-09 03:09 AM - Paolo Cavallini

Checked again, I'm a bit lost here. Any suggestion what can I check?

Coords seem inverted here:

g.region n=4924820.77 s=4678320.77 e=1771747.23103 w=1554747.23103 res=100.0<code><code>r.viewshed input=tmp1481281549583
coordinates="1621030.348,4879297.180" observer_elevation="1.75" but I tried swapping x,y, same result.In /tmp I find empty dirs.Thanks.

#3 - 2017-02-13 11:59 AM - Giovanni Manghi

- Resolution set to up/downstream

- Status changed from Open to Closed

An upstream ticket must be filed.

This module in GRASS 7.* under Linux crashes when running against a raster imported with r.external. Works ok on Windows and against raster imported with r.in.gdal (that is not the case anymore in Processing).

#4 - 2017-02-13 12:57 PM - Markus Neteler

I have created a test case and filed an upstream ticket at

<https://trac.osgeo.org/grass/ticket/3285>