

QGIS Application - Bug report #19539

GRASS i.gensig and i.maxlik

2018-08-03 10:20 AM - Patrice Carboneau

Status: Closed	
Priority: Normal	
Assignee:	
Category: Processing/GRASS	
Affected QGIS version: 3.2.1	Regression?: No
Operating System: Win10	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 27366

Description

I am having major issues with GRASS and SAGA processing tools. This report is about GRASS tools for classification. When running through the procedure, i.gensig runs but closes. I can't see the log file. It does produce a signature and I have attached it. In the error log, there seems to be a problem with this signature, it's the first mention of errors. Then it seems that the tool cannot find the raster image group it created. Full error log is below:

Algorithm 'i.maxlik' starting...

Input parameters: { 'GRASS_RASTER_FORMAT_META' : '', 'GRASS_RASTER_FORMAT_OPT' : '', 'GRASS_REGION_CELLSIZE_PARAMETER' : 0, 'GRASS_REGION_PARAMETER' : None, 'input' :

['C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/ff682a87d4e341358eec94aa0e0179d9/B.sdat', 'C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/597d0f6b759947919cd4d5cd53bfc2b5/G.sdat', 'C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/33c61bf0bbb1409d9b79545684848d28/R.sdat', 'C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/33c61bf0bbb1409d9b79545684848d28/R.sdat'], 'output' :

'C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/4b51fe8a7282498dbeec1b4398b973f9/output.tif', 'reject.tif', 'reject' :

'C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/d9f1b86081ba42f194b0153ad8499cea/reject.tif', 'signaturefile' : 'D:/DeepRiverscapes/Qtest_signatures_split.txt' }

g.proj -c proj4="+proj=utm +zone=31 +datum=WGS84 +units=m +no_defs"

r.external

input="C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/ff682a87d4e341358eec94aa0e0179d9/B.sdat" band=1 output="rast_5b640d296aee516" --overwrite -o

r.external

input="C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/597d0f6b759947919cd4d5cd53bfc2b5/G.sdat" band=1 output="rast_5b640d296aee517" --overwrite -o

r.external

input="C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/33c61bf0bbb1409d9b79545684848d28/R.sdat" band=1 output="rast_5b640d296aee518" --overwrite -o

g.region n=800.0 s=0.0 e=1228.0 w=0.0 res=1.0

i.group group=group_5b640d296b69419 subgroup=subgroup_5b640d296b69420

input=rast_5b640d296aee516,rast_5b640d296aee517,rast_5b640d296aee518

MD

C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/grassdata/temp_location/PERMANENT/group/p/group_5b640d296b69419/subgroup/subgroup_5b640d296b69420/sig

COPY /Y D:/DeepRiverscapes/Qtest_signatures_split.txt

C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/grassdata/temp_location/PERMANENT/group/p/group_5b640d296b69419/subgroup/subgroup_5b640d296b69420/sig/Qtest_signatures_split.txt

i.maxlik signaturefile="Qtest_signatures_split.txt" group="group_5b640d296b69419" subgroup="subgroup_5b640d296b69420"

output=output6b078ef4b4c4478fb568df68904c2d81 reject=reject6b078ef4b4c4478fb568df68904c2d81 --overwrite

g.region raster=output6b078ef4b4c4478fb568df68904c2d81

```
r.out.gdal -t -m input="output6b078ef4b4c4478fb568df68904c2d81"
output="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\4b51fe8a7282498dbeec1b4398b973f9\outp
3f9\output.tif" format="GTiff" createopt="TFW=YES,COMPRESS=LZW" --overwrite
g.region raster=reject6b078ef4b4c4478fb568df68904c2d81
r.out.gdal -t -m input="reject6b078ef4b4c4478fb568df68904c2d81"
output="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\9f1b86081ba42f194b0153ad8499cea\rejec
ea\reject.tif" format="GTiff" createopt="TFW=YES,COMPRESS=LZW" --overwrite
Cleaning up temporary files...
Starting GRASS GIS...
WARNING: Concurrent mapset locking is not supported on Windows
Executing <C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\grassdata\grass_batch_job.cmd>
...

C:\PROGRA~1\QGIS3~1.2\bin>chcp 1252 1>NUL

C:\PROGRA~1\QGIS3~1.2\bin>g.proj -c proj4="+proj=utm +zone=31 +datum=WGS84 +units=m +no_defs"
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
Projection information updated

C:\PROGRA~1\QGIS3~1.2\bin>r.external
input="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\ff682a87d4e341358eec94aa0e0179d9\B.sdat
9\B.sdat" band=1 output="rast_5b640d296aee516" --overwrite -o
Over-riding projection check
Reading band 1 of 1...
r.external complete. Link to raster map <rast_5b640d296aee516> created.

C:\PROGRA~1\QGIS3~1.2\bin>r.external
input="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\597d0f6b759947919cd4d5cd53bfc2b5\G.sda
5\G.sdat" band=1 output="rast_5b640d296aee517" --overwrite -o
Over-riding projection check
Reading band 1 of 1...
r.external complete. Link to raster map <rast_5b640d296aee517> created.

C:\PROGRA~1\QGIS3~1.2\bin>r.external
input="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\33c61bf0bbb1409d9b79545684848d28\R.sda
28\R.sdat" band=1 output="rast_5b640d296aee518" --overwrite -o
Over-riding projection check
Reading band 1 of 1...
r.external complete. Link to raster map <rast_5b640d296aee518> created.

C:\PROGRA~1\QGIS3~1.2\bin>g.region n=800.0 s=0.0 e=1228.0 w=0.0 res=1.0

C:\PROGRA~1\QGIS3~1.2\bin>i.group group=group_5b640d296b69419 subgroup=subgroup_5b640d296b69420
input=rast_5b640d296aee516,rast_5b640d296aee517,rast_5b640d296aee518
Adding raster map <rast_5b640d296aee516@PERMANENT> to group
Adding raster map <rast_5b640d296aee517@PERMANENT> to group
Adding raster map <rast_5b640d296aee518@PERMANENT> to group
Adding raster map <rast_5b640d296aee516@PERMANENT> to subgroup
Adding raster map <rast_5b640d296aee517@PERMANENT> to subgroup
Adding raster map <rast_5b640d296aee518@PERMANENT> to subgroup

C:\PROGRA~1\QGIS3~1.2\bin>MD
```

```
C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\grassdata\temp_location\PERMANENT\group\group_p\group_5b640d296b69419\subgroup\subgroup_5b640d296b69420\sig
```

```
C:\PROGRA~1\QGIS3~1.2\bin>COPY /Y D:/DeepRiverscapes/Qtest_signatures_split.txt
```

```
C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\grassdata\temp_location\PERMANENT\group\group_p\group_5b640d296b69419\subgroup\subgroup_5b640d296b69420\sig\Qtest_signatures_split.txt
```

The syntax of the command is incorrect.

```
C:\PROGRA~1\QGIS3~1.2\bin>i.maxlik signaturefile="Qtest_signatures_split.txt" group="group_5b640d296b69419"
```

```
subgroup="subgroup_5b640d296b69420" output=output6b078ef4b4c4478fb568df68904c2d81
```

```
reject=reject6b078ef4b4c4478fb568df68904c2d81 --overwrite
```

```
ERROR: Unable to open signature file <Qtest_signatures_split.txt>
```

```
C:\PROGRA~1\QGIS3~1.2\bin>g.region raster=output6b078ef4b4c4478fb568df68904c2d81
```

```
ERROR: Raster map <output6b078ef4b4c4478fb568df68904c2d81> not found
```

```
C:\PROGRA~1\QGIS3~1.2\bin>r.out.gdal -t -m input="output6b078ef4b4c4478fb568df68904c2d81"
```

```
output="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\4b51fe8a7282498dbeec1b4398b973f9\output_3f9\output.tif" format="GTiff" createopt="TFW=YES,COMPRESS=LZW" --overwrite
```

```
ERROR: Raster map or group <output6b078ef4b4c4478fb568df68904c2d81> not found
```

```
C:\PROGRA~1\QGIS3~1.2\bin>g.region raster=reject6b078ef4b4c4478fb568df68904c2d81
```

```
ERROR: Raster map <reject6b078ef4b4c4478fb568df68904c2d81> not found
```

```
C:\PROGRA~1\QGIS3~1.2\bin>r.out.gdal -t -m input="reject6b078ef4b4c4478fb568df68904c2d81"
```

```
output="C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\d9f1b86081ba42f194b0153ad8499cea\reject_9\reject.tif" format="GTiff" createopt="TFW=YES,COMPRESS=LZW" --overwrite
```

```
ERROR: Raster map or group <reject6b078ef4b4c4478fb568df68904c2d81> not found
```

```
C:\PROGRA~1\QGIS3~1.2\bin>exit
```

Execution of

```
<C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\grassdata\grass_batch_job.cmd> finished.
```

Cleaning up temporary files...

Press any key to continue . . .

Execution completed in 2.35 seconds

Results: {'output': <QgsProcessingOutputLayerDefinition

```
{'sink':C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/4b51fe8a7282498dbeec1b4398b973f9/output_9/output.tif, 'createOptions': {'fileEncoding': 'System'}}>,
```

```
'reject': <QgsProcessingOutputLayerDefinition
```

```
{'sink':C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/d9f1b86081ba42f194b0153ad8499cea/reject_9/reject.tif, 'createOptions': {'fileEncoding': 'System'}}>}
```

Loading resulting layers

The following layers were not correctly

```
generated.<ul><li>C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/4b51fe8a7282498dbeec1b4398b973f9/output.tif</li><li>C:/Users/patca/AppData/Local/Temp/processing_7c97d6ddd9dd4aeb9964c897acb1336d/d9f1b86081ba42f194b0153ad8499cea/reject.tif</li></ul>You can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.
```

Associated revisions

Revision 282f95c9 - 2018-08-07 01:33 AM - Nyal Dawson

[processing][grass] Fix bad move/copy paths in grass i.gensig/maxlik algs

Refs #19539

Revision 6502dba2 - 2018-08-08 11:28 AM - Nyall Dawson

[processing][grass] Fix bad move/copy paths in grass i.gensig/maxlik algs

Refs #19539

(cherry-picked from 282f95c9f7)

History

#1 - 2018-08-03 11:05 AM - Giovanni Manghi

- Status changed from Open to Feedback

Does it work on QGIS LTR?

#2 - 2018-08-03 11:50 AM - Nyall Dawson

The problem comes in the command:

```
COPY /Y D:/DeepRiverscapes/Qtest_signatures_split.txt
```

```
C:\Users\patca\AppData\Local\Temp\processing_7c97d6ddd9dd4aeb9964c897acb1336d\grassdata\temp_location\PERMANENT\group\group_5b640d296b69419\subgroup\subgroup_5b640d296b69420\sig\Qtest_signatures_split.txt
```

```
5b640d296b69419\subgroup\subgroup_5b640d296b69420\sig\Qtest_signatures_split.txt
```

I suspect it's the unix style path with / which is tripping this up. Investigating now...

#3 - 2018-08-03 02:08 PM - sarah david

-

#4 - 2018-08-03 03:59 PM - Patrice Carbonneau

Giovanni Manghi wrote:

| *Does it work on QGIS LTR?*

I don't know. Haven't got it installed. I use some new features in 3.2 quite a bit so would rather get 3.2 working.

#5 - 2018-08-03 04:01 PM - Giovanni Manghi

Patrice Carbonneau wrote:

Giovanni Manghi wrote:

|

2024-04-24

Does it work on QGIS LTR?

I don't know. Haven't got it installed. I use some new features in 3.2 quite a bit so would rather get 3.2 working.

but 3.* is NOT LTR yet, for important work people should still rely on the table version if QGIS.

#6 - 2018-08-03 11:42 PM - Nyall Dawson

Can you please share some small test data which I can use to create a unit test protecting this? (With a trial bug fix every raster I throw at it results in grass errors relating to the classification itself, not a processing error!).

#7 - 2018-08-04 09:38 AM - Patrice Carbonneau

- File *Qtest2_class.dbf* added
- File *Qtest_modified.aux.xml* added
- File *Qtest2_class.shp* added
- File *Qtest_modified* added
- File *Qtest_Classes.dbf* added
- File *Qtest2_class.qpj* added
- File *Qtest2_class.prj* added
- File *Qtest2_class.shx* added

Ok, here is a test data set. I uploaded a vector in ESRI format and an image. These are the files I used to run i.gensig and (with the resulting signature file, run i.maxlik.

Thanks

#8 - 2018-11-11 03:31 AM - Jürgen Fischer

- Status changed from *Feedback* to *Open*

#9 - 2019-05-23 08:47 AM - Alexander Bruy

- Resolution set to *fixed/implemented*
- Status changed from *Open* to *Closed*

Already fixed.

Files

Qtest_signatures_split.txt	170 Bytes	2018-08-03	Patrice Carbonneau
Qtest_modified.aux.xml	862 Bytes	2018-08-04	Patrice Carbonneau
Qtest2_class.dbf	99 Bytes	2018-08-04	Patrice Carbonneau
Qtest2_class.shp	508 Bytes	2018-08-04	Patrice Carbonneau
Qtest2_class.shx	124 Bytes	2018-08-04	Patrice Carbonneau
Qtest2_class.prj	388 Bytes	2018-08-04	Patrice Carbonneau
Qtest2_class.qpj	597 Bytes	2018-08-04	Patrice Carbonneau
Qtest_Classes.dbf	121 Bytes	2018-08-04	Patrice Carbonneau
Qtest_modified	3.44 MB	2018-08-04	Patrice Carbonneau