QGIS Application - Bug report #20340
SAGA RGB Composite not working

2018-11-02 10:55 PM - Mario Reyes

Status:	Closed		
Priority:	High		
Assignee:			
Category:	Processing/SAGA		
Affected QGIS version:	3.4.0	**Regression?:**	Yes
Operating System:	Windows 10	**Easy fix?:**	No
Pull Request or Patch supplied:	Yes	**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	28161

Description

When I try to use the SAGA's RGB Composite tool I get the following message:

> Loading resulting layers
> The following layers were not correctly generated.
C:/Users/Mario/Downloads/test.sdat
You can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.

The log messages panel is here:

> 2018-11-02T15:46:02 INFO SAGA execution commands
> io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/2e6e6525606946499b5d88f3a49c8191/clipRTT16PBA RTT16PBA20180311T162041B04.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B04.tif"
> io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/5b24bb41c86a4235a6fe1b2ed4f64096/clipRTT16PBA TT16PBA20180311T162041B03.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B03.tif"
> io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/34c0677b09c74f1cb89365f6956f6d19/clipRTT16PBA TT16PBA20180311T162041B02.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B02.tif"
> grid_visualisation "RGB Composite" -GRID_R "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/2e6e6525606946499b5d88f3a49c8191/clipRTT16PBA RTT16PBA20180311T162041B04.sgrd" -GRID_G "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/5b24bb41c86a4235a6fe1b2ed4f64096/clipRTT16PBA TT16PBA20180311T162041B03.sgrd" -GRID_B "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/34c0677b09c74f1cb89365f6956f6d19/clipRTT16PBA TT16PBA20180311T162041B02.sgrd" -R_METHOD 0 -G_METHOD 0 -B_METHOD 0 -R_RANGE_MIN 0 -R_RANGE_MAX 255 -R_PERCTL_MIN 1 -R_PERCTL_MAX 99 -R_PERCENT 150.0 -G_RANGE_MIN 0 -G_RANGE_MAX 255 -G_PERCTL_MIN 1 -G_PERCTL_MAX 99 -G_PERCENT 150.0 -B_RANGE_MIN 0 -B_RANGE_MAX 255 -B_PERCTL_MIN 1 -B_PERCTL_MAX 99 -B_PERCENT 150.0 -GRID_RGB "C:/Users/Mario/Downloads/test.sdat"
> io_grid_image 0 -IS_RGB -GRID:"C:/Users/Mario/Downloads/test.sgrd" -FILE:"C:/Users/Mario/Downloads/test.sdat"
> 2018-11-02T15:47:32 INFO SAGA execution console output
>
> C:\PROGRA~1\QGIS3~1.4\bin>set SAGA=C:/PROGRA~1/QGIS3~1.4/apps\saga-ltr
>
> C:\PROGRA~1\QGIS3~1.4\bin>set SAGA_MLB=C:/PROGRA~1/QGIS3~1.4/apps\saga-ltr\modules
>
> C:\PROGRA~1\QGIS3~1.4\bin>PATH=C:\PROGRA~1\QGIS3~1.4\apps\qgis\bin;C:\PROGRA~1\QGIS3~1.4\apps\grass\grass-7.4.2\lib;C:\P .4.2\lib;C:\PROGRA~1\QGIS3~1.4\apps\grass\grass-7.4.2\bin;C:\PROGRA~1\QGIS3~1.4\apps\Python37;C:\PROGRA~1\QGIS3~1.4\apps\P

~1.4\apps\Python37\Scripts;C:\PROGRA~1\QGIS3~1.4\apps\qt5\bin;C:\PROGRA~1\QGIS3~1.4\apps\Python27\Scripts;C:\PROGRA~1\QGIS
RA~1\QGIS3~1.4\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\system32\WBem;C:\PROGRA~1\QGIS3~1.4\apps\Python37\lib
ython37\lib\site-packages\pywin32_system32;C:\PROGRA~1\QGIS3~1.4\apps\Python37\lib\site-packages\numpy\.libs;C:\PROGRA~1\QGIS
RA~1\QGIS3~1.4\apps\Python37\lib\site-packages\scipy\extra-dll;C:/PROGRA~1/QGIS3~1.4/apps/saga-ltr;C:/PROGRA~1/QGIS3~1.4/apps\
3~1.4/apps\saga-ltr\modules

C:\PROGRA~1\QGIS3~1.4\bin>saga_cmd io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/2e6e6525606946499b5d88f3a49c8191/clipRTT16PBA
RTT16PBA20180311T162041B04.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B04.tif"

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SAGA Version: 2.3.2 (64 bit)

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library path: C:\PROGRA~1\QGIS3~1.4\apps\saga-ltr\modules\
library name: io_gdal
library : GDAL/OGR
tool : Import Raster
author : O.Conrad (c) 2007 (A.Ringeler)
processors : 4 [4]

Parameters

Grids: No objects
Files: "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B04.tif"
Select from Multiple Bands:
Alphanumeric Sorting: yes
Transformation: yes
Resampling: B-Spline Interpolation

loading: C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B04.tif

Driver: GTiff

Bands: 1

Rows: 1243

Columns: 1265

loading: clip_RT_T16PBA_20180311T162041_B04

C:\PROGRA~1\QGIS3~1.4\bin>saga_cmd io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/5b24bb41c86a4235a6fe1b2ed4f64096/clipRTT16PBA2
TT16PBA20180311T162041B03.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B03.tif"

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SAGA Version: 2.3.2 (64 bit)

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library path: C:\PROGRA~1\QGIS3~1.4\apps\saga-ltr\modules\
library name: io_gdal
library : GDAL/OGR
tool : Import Raster
author : O.Conrad (c) 2007 (A.Ringeler)
processors : 4 [4]

Parameters

Grids: No objects
Files: "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B03.tif"
Select from Multiple Bands:
Alphanumeric Sorting: yes
Transformation: yes
Resampling: B-Spline Interpolation

loading: C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B03.tif

Driver: GTiff

Bands: 1

Rows: 1243

Columns: 1265

loading: clip_RT_T16PBA_20180311T162041_B03

C:\PROGRA~1\QGIS3~1.4\bin>saga_cmd io_gdal 0 -TRANSFORM 1 -RESAMPLING 3 -GRIDS "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/34c0677b09c74f1cb89365f6956f6d19/clipRTT16PBA2
TT16PBA20180311T162041B02.sgrd" -FILES "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B02.tif"

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SAGA Version: 2.3.2 (64 bit)

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library path: C:\PROGRA~1\QGIS3~1.4\apps\saga-ltr\modules\
library name: io_gdal
library : GDAL/OGR
tool : Import Raster
author : O.Conrad (c) 2007 (A.Ringeler)
processors : 4 [4]

Parameters

Grids: No objects
Files: "C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B02.tif"
Select from Multiple Bands:
Alphanumeric Sorting: yes
Transformation: yes
Resampling: B-Spline Interpolation

loading: C:/Users/Mario/Downloads/clip_RT_T16PBA_20180311T162041_B02.tif

Driver: GTiff

Bands: 1

Rows: 1243

Columns: 1265

loading: clip_RT_T16PBA_20180311T162041_B02

C:\PROGRA~1\QGIS3~1.4\bin>saga_cmd grid_visualisation "RGB Composite" -GRID_R "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/2e6e6525606946499b5d88f3a49c8191/clipRTT16PBA RTT16PBA20180311T162041B04.sgrd" -GRID_G "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/5b24bb41c86a4235a6fe1b2ed4f64096/clipRTT16PBA2 TT16PBA20180311T162041B03.sgrd" -GRID_B "C:/Users/HP COREi5/AppData/Local/Temp/processing_78bd265d5b54440abb505c7dcd605990/34c0677b09c74f1cb89365f6956f6d19/clipRTT16PBA2 TT16PBA20180311T162041B02.sgrd" -R_METHOD 0 -G_METHOD 0 -B_METHOD 0 -R_RANGE_MIN 0 -R_RANGE_MAX 255 -R_PERCTL_MIN 1 -R_PERCTL_MAX 99 -R_PERCENT 150.0 -G_RANGE_MIN 0 -G_RANGE_MAX 255 -G_PERCTL_MIN 1 -G_PERCTL_MAX 99 -G_PERCENT 150.0 -B_RANGE_MIN 0 -B_RANGE_MAX 255 -B_PERCTL_MIN 1 -B_PERCTL_MAX 99 -B_PERCENT 150.0 -GRID_RGB "C:/Users/Mario/Downloads/test.sdat"
Unknown option 'GRID_R'

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SAGA Version: 2.3.2 (64 bit)

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library path: C:\PROGRA~1\QGIS3~1.4\apps\saga-ltr\modules\
library name: grid_visualisation
library : Grids
tool : RGB Composite
author : O.Conrad (c) 2002
processors : 4 [4]
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Usage: saga_cmd grid_visualisation 3 [-R_GRID] [-R_METHOD] [-R_RANGE_MIN] [-R_RANGE_MAX] [-R_PERCTL_MIN] [-R_PERCTL_MAX] [-R_STDDEV] [-G_GRID] [-G_METHOD] [-G_RANGE_MIN] [-G_RANGE_MAX] [-G_PERCTL_MIN] [-G_PERCTL_MAX] [-G_STDDEV] [-B_GRID] [-B_METHOD] [-B_RANGE_MIN] [-B_RANGE_MAX] [-B_PERCTL_MIN] [-B_PERCTL_MAX] [-B_STDDEV] [-A_GRID] [-A_METHOD] [-A_RANGE_MIN] [-A_RANGE_MAX] [-A_PERCTL_MIN] [-A_PERCTL_MAX] [-A_STDDEV] [-RGB]
-R_GRID: Red
Grid (input)
-R_METHOD: Value Preparation
Choice
Available Choices:
[0] take original value (0 - 255)
[1] rescale to 0 - 255
[2] user defined
[3] percentiles
[4] standard deviation
Default: 4
-R_RANGE_MIN: Rescale Range
Value range
-R_RANGE_MAX: Rescale Range
Value range
-R_PERCTL_MIN: Percentiles
Value range
-R_PERCTL_MAX: Percentiles
Value range
-R_STDDEV: Standard Deviation
Floating point
Minimum: 0.000000
Default: 2.000000
-G_GRID: Green
Grid (input)
-G_METHOD: Value Preparation
Choice
Available Choices:
[0] take original value (0 - 255)
[1] rescale to 0 - 255
[2] user defined
[3] percentiles
[4] standard deviation
Default: 4
-G_RANGE_MIN: Rescale Range
Value range
-G_RANGE_MAX: Rescale Range
Value range

-G_PERCTL_MIN: Percentiles
Value range
-G_PERCTL_MAX: Percentiles
Value range
-G_STDDEV: Standard Deviation
Floating point
Minimum: 0.000000
Default: 2.000000
-B_GRID: Blue
Grid (input)
-B_METHOD: Value Preparation
Choice
Available Choices:
[0] take original value (0 - 255)
[1] rescale to 0 - 255
[2] user defined
[3] percentiles
[4] standard deviation
Default: 4
-B_RANGE_MIN: Rescale Range
Value range
-B_RANGE_MAX: Rescale Range
Value range
-B_PERCTL_MIN: Percentiles
Value range
-B_PERCTL_MAX: Percentiles
Value range
-B_STDDEV: Standard Deviation
Floating point
Minimum: 0.000000
Default: 2.000000
-A_GRID: Alpha
Grid (optional input)
-A_METHOD: Value Preparation
Choice
Available Choices:
[0] take original value (0 - 255)
[1] rescale to 0 - 255
[2] user defined
[3] percentiles
[4] standard deviation
Default: 4
-A_RANGE_MIN: Rescale Range
Value range
-A_RANGE_MAX: Rescale Range
Value range
-A_PERCTL_MIN: Percentiles
Value range
-A_PERCTL_MAX: Percentiles
Value range
-A_STDDEV: Standard Deviation
Floating point
Minimum: 0.000000

Default: 2.000000
-RGB: Composite
Grid (output)

C:\PROGRA~1\QGIS3~1.4\bin>saga_cmd io_grid_image 0 -IS_RGB -GRID:"C:/Users/Mario/Downloads/test.sgrd" -FILE:"C:/Users/Mario/Downloads/test.sdat"
Unknown option 'IS_RGB'

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SAGA Version: 2.3.2 (64 bit)

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library path: C:\PROGRA~1\QGIS3~1.4\apps\saga-ltr\modules\
library name: io_grid_image
library : Images
tool : Export Image (bmp, jpg, pcx, png, tif)
author : O.Conrad (c) 2005
processors : 4 [4]

Usage: saga_cmd io_grid_image 0 [-GRID] [-SHADE] [-FILE] [-FILE_KML] [-COLOURING] [-COL_PALETTE] [-COL_COUNT] [-COL_REVERT] [-STDDEV] [-STRETCH_MIN] [-STRETCH_MAX] [-LUT] [-SHADE_TRANS] [-SHADE_BRIGHT_MIN] [-SHADE_BRIGHT_MAX]
-GRID: Grid
Grid (input)
-SHADE: Shade
Grid (optional input)
-FILE: Image File
File path
-FILE_KML: Create KML File
Boolean
Default: 1
-COLOURING: Colouring
Choice
Available Choices:
[0] stretch to grid's standard deviation
[1] stretch to grid's value range
[2] stretch to specified value range
[3] lookup table
[4] rgb coded values
Default: 0
-COL_PALETTE: Color Palette
Choice
Available Choices:
[0] DEFAULT
[1] DEFAULT_BRIGHT

[2] BLACK_WHITE
[3] BLACK_RED
[4] BLACK_GREEN
[5] BLACK_BLUE
[6] WHITE_RED
[7] WHITE_GREEN
[8] WHITE_BLUE
[9] YELLOW_RED
[10] YELLOW_GREEN
[11] YELLOW_BLUE
[12] RED_GREEN
[13] RED_BLUE
[14] GREEN_BLUE
[15] RED_GREY_BLUE
[16] RED_GREY_GREEN
[17] GREEN_GREY_BLUE
[18] RED_GREEN_BLUE
[19] RED_BLUE_GREEN
[20] GREEN_RED_BLUE
[21] RAINBOW
[22] NEON
[23] TOPOGRAPHY
[24] ASPECT_1
[25] ASPECT_2
[26] ASPECT_3
Default: 0
-COL_COUNT: Number of Colors
Integer
Default: 100
-COL_REVERT: Revert Palette
Boolean
Default: 0
-STDDEV: Standard Deviation
Floating point
Minimum: 0.000000
Default: 2.000000
-STRETCH_MIN: Stretch to Value Range
Value range
-STRETCH_MAX: Stretch to Value Range
Value range
-LUT: Lookup Table
Table (optional input)
-SHADE_TRANS: Shade Transparency []
Floating point
Minimum: 0.000000
Maximum: 100.000000
Default: 40.000000
-SHADE_BRIGHT_MIN: Shade Brightness []
Value range
-SHADE_BRIGHT_MAX: Shade Brightness []
Value range

C:\PROGRA~1\QGIS3~1.4\bin>exit

Related issues:

Duplicated by QGIS Application - Bug report # 21017: SAGA RGB Composite not w...	**Closed**	**2019-01-17**

History

#1 - 2018-11-05 01:00 PM - Giovanni Manghi

- Priority changed from Normal to High

- Regression? changed from No to Yes

- Pull Request or Patch supplied changed from No to Yes

Partial fix here: https://github.com/qgis/QGIS/pull/8418

#2 - 2018-12-24 09:12 AM - Alexander Bruy

- Status changed from Open to Closed

- Resolution set to fixed/implemented

Fixed in master. Please test and reopen if necessary.

#3 - 2019-01-17 04:07 AM - Shawn Hood

Tested in 3.4.3-Madeira - still broken

#4 - 2019-01-17 11:20 AM - Giovanni Manghi

Shawn Hood wrote:

> *Tested in 3.4.3-Madeira - still broken*

if not backport has been made it means that (for now) is only on master, aka 3.5

https://github.com/qgis/QGIS/pull/8597

#5 - 2019-01-21 11:58 AM - Jürgen Fischer

- Duplicated by Bug report #21017: SAGA RGB Composite not working added