

## QGIS Application - Bug report #13181

### random (In-)visibility Issue when using several large multispectral raster layers

2015-08-04 11:31 AM - Adrian Klink

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> GUI	
<b>Affected QGIS version:</b> 2.10.1	<b>Regression?:</b> No
<b>Operating System:</b> Windows (64bit)	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 21243
<b>Description</b>	
<p>When displaying several large multispectral raster layers (GeoTIFFs) at once some layers may become randomly invisible. This effect randomly changes when display is being updated (e.g. pressing F5-key, scrolling, zooming, changing layers, scaling window).</p> <p>This effect can be reproduced with several (if not all) versions of QGIS 2.x including: QGIS 2.8.3 Wien QGIS 2.10.1 Pisa (effect has been randomly seen earlier with QGIS 2.0, 2.2, 2.4 and QGIS 2.6 Brighton as well)</p> <p>Versions not affected by this effect: Quantum GIS 1.8 Lisboa (and earlier versions)</p> <p>Tested using (screenshots applied): ASTER satellite scenes (EPSG:32632, WGS84 / UTM zone 32N) e.g. 5907 x 5359 pixels, 9 bands, 16bit Int</p> <p>System Used for Testing: Windows 7 (64bit) and Windows 8.1 (64bit) with 8GB Ram, Intel Core i5-4570 @ 3.2 GHz.</p>	

#### History

##### #1 - 2015-08-05 03:19 AM - Adrian Klink

- File *QGIS\_2\_10\_Pisa\_Layer\_settings\_contrast\_stretch.png* added

The (in-)visibility issue **only** applies to a layer if contrast stretch to MinMax is enabled for this layer. If contrast stretch is disabled, there is no bug.

##### #2 - 2015-08-05 11:38 AM - Adrian Klink

- Status changed from Open to Closed

I found a similar problem description in an other Bug report:

##### Bug report #13155: A Multiband image(e.g. landsat5,7,8) cannot be displayed in windows8.

*Sometimes, they can be displayed , sometimes, only white.  
If they are white, Pushing Refresh button many times, then they might be displayed.*

*All win7 was fine and All win8 has that problem.*

I re-checked the Win 7 system and can say it is **Win 8.1 only**. Win 7 was just slow, when I tested first time and it took longer to display, so I falsely thought it would also affect Win 7. Sorry for my mistake.

There was also a solution for it:

*I changed to QGIS 32 bit in Windows8.*

*It works well.*

*This problem is only 64bit version.*

In fact, 64bit is only available in QGIS 2.x series, Quantum GIS 1.8 was 32bit only. This explains why all older versions dont have this problem. I didn't try 2.10 with 32bit yet, but will try tomorrow.

As mentioned, the problem with 64bit only occurs when **contrast stretch** is enabled.

Since it seems to be same problem as Bug report #13155 this one can be closed.

## Files

QGIS_2_10_Pisa_ASTER_Spectral_Indices_0.jpg	381 KB	2015-08-04	Adrian Klink
QGIS_2_10_Pisa_ASTER_Spectral_Indices_1.jpg	514 KB	2015-08-04	Adrian Klink
QGIS_2_10_Pisa_ASTER_Spectral_Indices_2.jpg	562 KB	2015-08-04	Adrian Klink
QGIS_2_10_Pisa_ASTER_Spectral_Indices_3.jpg	593 KB	2015-08-04	Adrian Klink
QGIS_1_8_Lisboa_ASTER_Spectral_Indices.jpg	586 KB	2015-08-04	Adrian Klink
QGIS_2_10_Pisa_Layer_settings_contrast_stretch.png	100 KB	2015-08-05	Adrian Klink