# QGIS Application - Bug report #11217
# crash / bad alloc when loading raster with only nodata values

2014-09-17 07:00 AM - Vincent Schut

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|---|---|---|---|
| **Status:** | Closed | | |
| **Priority:** | Severe/Regression | | |
| **Assignee:** | | | |
| **Category:** | Rasters | | |
| **Affected QGIS version:** | master | **Regression?:** | No |
| **Operating System:** | | **Easy fix?:** | No |
| **Pull Request or Patch supplied:** | No | **Resolution:** | |
| **Crashes QGIS or corrupts data:** | Yes | **Copied to github as #:** | 19527 |

**Description**

When loading a geotiff with only nodata values (e.g. the nodata value is set to 0, and the tif is full of 0's), qgis crashes (when started with "qgis <therasterfile.tif>") gives a "std:bad alloc" error in a small window (when loading the raster from a running qgis).

Attached is a test file (geotiff of 10x10 pixels, all zero's, nodata=0)

This is the output when qgis is started in the console with the offending raster as argument ("qgis emtpy_test_small.tif"):

```
terminate called after throwing an instance of 'std::bad_alloc'
  what():  std::bad_alloc
Aborted (core dumped)
```

Qgis version: updated from git trunk yesterday
OS: Arch Linux 64 bit

## Associated revisions

**Revision 086b262e - 2014-10-16 12:41 PM - Jürgen Fischer**

avoid creating a histogram without range (fixes #11217)

## History

**#1 - 2014-10-04 03:51 AM - Giovanni Manghi**

*- Affected QGIS version changed from 2.4.0 to master*

*- Priority changed from Normal to Severe/Regression*

It is a regression as it worked fine until 2.2 included. Master and 2.4 are affected. Tested on Linux and Windows.

**#2 - 2014-10-16 03:41 AM - Jürgen Fischer**

*- Status changed from Open to Closed*

Fixed in changeset commit:"086b262e41d3969daef149c2ccd2eca2ecd9a4ab".

**Files**

| | | | |
|---|---|---|---|
| empty_test_small.tif | 748 Bytes | 2014-09-17 | Vincent Schut |