

## darktable - Bug #11923

### Unable to load white balance

01/12/2018 12:25 PM - JP vdm

<b>Status:</b>	Duplicate	<b>Start date:</b>	01/12/2018
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Darkroom	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.6.0	<b>bitness:</b>	64-bit
<b>Affected Version:</b>	git master branch	<b>hardware architecture:</b>	amd64/x86
<b>System:</b>	all		
<b>Description</b>			
This error occurs only for some NEF files from Nikon 1 since version 2.4.0 under Linux (Archlinux, Fedora, Ubuntu). I have uploaded file <a href="https://raw.pixls.us/getfile.php/2210/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20(Lossy%20(type%202))%20(3:2).NEF">https://raw.pixls.us/getfile.php/2210/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20(Lossy%20(type%202))%20(3:2).NEF</a>			
This error also occurs in the past for version 2.0.6 but was corrected after. Console message: [rawspeed] (DSC_4274.NEF) rawspeed::RawImage rawspeed::RawDecoder::decodeRaw(), line 284: void rawspeed::BitStream<Tag, Cache>::fillSafe() [with Tag = rawspeed::MSBBitPumpTag; Cache = rawspeed::BitStreamCacheRightInLeftOut], line 128: Buffer overflow read in BitStream			
<b>Related issues:</b>			
Duplicates darktable - Bug #12209: [3/3] Regression: nikon lossy after split ...			<b>Fixed</b> <b>05/19/2018</b>

### History

#### #1 - 01/12/2018 01:09 PM - Roman Lebedev

- Duplicates Bug #11581: Huffmantable is broken. added

#### #2 - 01/12/2018 01:10 PM - Roman Lebedev

- Status changed from New to Duplicate
- Affected Version changed from 2.4.0 to git master branch
- System changed from Fedora/RHEL to all

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

#### #3 - 01/12/2018 01:32 PM - Stéphane Gourichon

Summary: this is a blocker bug, as **indeed file cannot be edited in the darkroom.**

Reproduced here with the sample NEF mentioned by OP.  
darktable 2.4.0 from <http://ppa.launchpad.net/pmjdebriijn/darktable-release/ubuntu> on Ubuntu 16.04 AMD64.

Entering darkroom half-fails: center panel does not refresh, but modules on the right do appear and can be expanded/collapsed, their settings changed and so on, settings are shown in history on the left, saved in xmp. User has no feedback about effect of modules. E.g. zone module works but does not show grey areas from photo in its panel, only darktable logo.

White balance module shows : temp 25000k, red 2.000 green 1.000 blue 2.500, and preset list only offers "camera", "camera neutral" and "spot".

As soon as one edit is made, lighttable ever shows a skull for that image.

Never had this in any previous or currant darktable version with my ~100k Nikon NEF files (mostly D60, D5200, never Nikon 1).

Hope this helps.

**#4 - 01/12/2018 03:58 PM - JP vdm**

Roman Lebedev wrote:

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

Provided file works with DT 2.2.5 , I shall provide a similar file (NEF Nikon 1 V1) working with 2.4.0

**#5 - 01/12/2018 04:27 PM - Roman Lebedev**

Stéphane Gourichon wrote:

Summary: this is a blocker bug, as **indeed file cannot be edited in the darkroom.**

Yes, i'm aware, i will get to this soon.

Reproduced here with the sample NEF mentioned by OP.  
darktable 2.4.0 from <http://ppa.launchpad.net/pmjdebruijn/darktable-release/ubuntu> on Ubuntu 16.04 AMD64.

Entering darkroom half-fails: center panel does not refresh, but modules on the right do appear and can be expanded/collapsed, their settings changed and so on, settings are shown in history on the left, saved in xmp. User has no feedback about effect of modules. E.g. zone module works but does not show grey areas from photo in its panel, only darktable logo.

White balance module shows : temp 25000k, red 2.000 green 1.000 blue 2.500, and preset list only offers "camera", "camera neutral" and "spot".

As soon as one edit is made, lighttable ever shows a skull for that image.

What actually happens is that the decoding fails, but darkroom is dumb, and does not differentiate between "loading failed" and "image is still loading", so it is in this hanged state.

Never had this in any previous or currant darktable version with my ~100k Nikon NEF files (mostly D60, D5200, never Nikon 1).

Yeah, this is quite rare.

Hope this helps.

JP vdm wrote:

Roman Lebedev wrote:

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

Provided file works with DT 2.2.5 , I shall provide a similar file (NEF Nikon 1 V1) working with 2.4.0

That would be awesome :)

**#6 - 01/12/2018 04:50 PM - Roman Lebedev**

JP vdm wrote:

Roman Lebedev wrote:

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

Provided file works with DT 2.2.5 , I shall provide a similar file (NEF Nikon 1 V1) working with 2.4.0

**Please** do note that there are some guidelines on the RPU, in particular,

We are looking for shots that are:

Landscape orientation

**#7 - 01/12/2018 07:14 PM - JP vdm**

Roman Lebedev wrote:

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

Now done.

[https://raw.pixls.us/getfile.php/2217/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20\(Lossy%20\(type%202\)\)%20\(3:2\).NEF](https://raw.pixls.us/getfile.php/2217/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20(Lossy%20(type%202))%20(3:2).NEF)

**#8 - 01/12/2018 11:41 PM - Roman Lebedev**

JP vdm wrote:

Roman Lebedev wrote:

Please note that we don't have a working sample from that camera under CC0.  
So please also contribute there some sample that does load fine.

Now done.

[https://raw.pixls.us/getfile.php/2217/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20\(Lossy%20\(type%202\)\)%20\(3:2\).NEF](https://raw.pixls.us/getfile.php/2217/nice/Nikon%20-%201%20V1%20-%2012bit%20compressed%20(Lossy%20(type%202))%20(3:2).NEF)

Yep, thanks!

**#9 - 01/18/2018 08:45 PM - Roman Lebedev**

- Target version changed from Future to 2.6.0

**#10 - 05/19/2018 09:02 PM - Roman Lebedev**

- Duplicates Bug #12209: [3/3] Regression: nikon lossy after split raw support are completely broken. added

**#11 - 05/19/2018 09:02 PM - Roman Lebedev**

- Duplicates deleted (Bug #11581: Huffmantable is broken.)