

darktable - Bug #12170

rawspeed commit # 1 broke the decoding of the image

04/30/2018 08:24 PM - Mike Romanov

Status:	Fixed	Start date:	04/30/2018
Priority:	Low	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2.6.0	bitness:	64-bit
Affected Version:	git master branch	hardware architecture:	amd64/x86
System:	all		

Description

rawspeed commit 31c3a9a4ddaff1af40a336ffa11e3ff657b3b028 broke the decoding of the 14-bit lossless and 12-bit lossy image:

```
[rawspeed] (20180429__DSC0778.NEF) rawspeed::uint32 rawspeed::HuffmanTable::setNCodesPerLength (const rawspeed::Buffer&), line 149: Too big code-values table
[rawspeed] (20180429__DSC0777.NEF) rawspeed::uint32 rawspeed::HuffmanTable::setNCodesPerLength (const rawspeed::Buffer&), line 149: Too big code-values table
[temperature] failed to read camera white balance information from `20180429__DSC0777.NEF'!
[temperature] `NIKON CORPORATION NIKON D7200' color matrix not found for image
[temperature] failed to read camera white balance information from `20180429__DSC0777.NEF'!
[temperature] failed to read camera white balance information from `20180429__DSC0777.NEF'!
allocation failed???
[temperature] `NIKON CORPORATION NIKON D3400' color matrix not found for image
[temperature] failed to read camera white balance information from `20171202__DSC1760.NEF'!
```

History

#1 - 04/30/2018 08:41 PM - Mike Romanov

Sorry, 12-bit lossy image is ok (that was ghost in base).

#2 - 04/30/2018 11:29 PM - Roman Lebedev

- Status changed from New to Incomplete

- % Done changed from 0 to 20

Mike Romanov wrote:

rawspeed commit 31c3a9a4ddaff1af40a336ffa11e3ff657b3b028 broke the decoding of the 14-bit lossless and 12-bit lossy image:

[...]

1. Are you sure about that commit specifically?
2. Samples?
3. Why are you using some weird commit of git repo anyway? You should use the one specified by darktable, see <https://github.com/darktable-org/darktable#building>
git submodule init
git submodule update

#3 - 05/01/2018 12:13 AM - Roman Lebedev

- % Done changed from 20 to 50

- Status changed from *Incomplete* to *In Progress*

Oh, hmm, i have a pretty good guess on what's going on.
Thanks for the report :/

#4 - 05/01/2018 12:19 AM - Roman Lebedev

<https://github.com/darktable-org/rawspeed/commit/1f42e284212e649c1422ee48984b8d5a6362e147>

#5 - 05/01/2018 12:38 AM - Roman Lebedev

- Status changed from *In Progress* to *Fixed*

- % Done changed from 50 to 100

Since this was never in the dt, this was never broken :)

#6 - 05/01/2018 12:50 AM - Mike Romanov

I update rawspeed separately and was able to prevent this in dt :D

Thank you!

#7 - 05/01/2018 01:03 AM - Roman Lebedev

Mike Romanov wrote:

I update rawspeed separately and was able to prevent this in dt :D

Thank you!

oss-fuzz would most likely have caught it soon anyway, before it being propagated into dt.

#8 - 08/24/2018 09:51 AM - Roman Lebedev

- Target version set to 2.6.0