

RAWCooking With Gas

A Film Digitization and QC
Workflow-in-progress

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New Features to support
mass losslessly compressed
film digitization



- `rawcooked --all YourDirectory (+more!)`
- DPX implementation checker
- Integrated losslessness verification
- Basic error correction mechanisms

Taste test...



Bad Cooking...

```
[image2 @ 0x7fbb01000000] Could not open file : /Volumes/NYPL_16143/NYPL_FilmPilotBag/data/PreservationMasters/16-bitDPX_380073/myd_380073_v01_pm_0000002.dpx
/Volumes/NYPL_16143/NYPL_FilmPilotBag/data/PreservationMasters/16-bitDPX_380073/myd_380073_v01_pm_%07d.dpx: Input/output error
```

```
frame=    1 fps=0.8 q=-0.0 size=      31kB time=00:00:00.00 bitrate=250632.0kbitframe=    1 fps=0.7 q=-0.0 Lsize=
37502kB time=00:00:00.00 bitrate=307215880.0kbits/s speed=0.000706x
video:37471kB audio:0kB subtitle:0kB other streams:0kB global headers:0kB muxing overhead: 0.081818%
139 MiB/s
```

Reversability was checked, issues detected, see below.

Warning: non-conforming DPX Ditto key (x252).

Error: undecodable can not open file for reading.

16-bitDPX_380073/myd_380073_v01_pm_0000001.dpx

At least 1 file is not conform to specifications.



bturkus commented on May 14

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Hi Everyone,

We've been testing out new RAWcooked conformance checking features, and we seem to be getting a whole lotta "non-conforming ditto key" messages. This is kinda how Genevieve and I feel right about now:



— _ (ツ) _ / —

Film QC

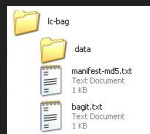
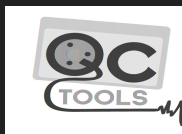


Planned Workflow:

- Automated checks of RAWCooked preservation masters (`rawcooked --check`)
- Automated QC of metadata, fixity, and conformance (AJV, Bagit, Mediaconch)
- Manual QC of Mez. & Access copies (eyes, ears, QCTools)

Challenges:

- Different formats, different specs
- Time & processing power



Thx!
Questions?

github.com/NYPL/ami-specifications

