

Digital preservation and file formats: Some robustness experiments

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www.ifs.tuwien.ac.at/dp

- <http://www.ifs.tuwien.ac.at/~kulovits/shotgun.zip> or USB
(by Cologne University!)
- Shoot files
 - Clean vs. Dirty
 - Flip bits vs. Remove bits
 - Size vs. Frequency of shots
- File types
 - Images
 - Documents
 - Audio

Exercise

- Shoot and try to open the ,dirty‘ file
 - Try different intensities, flip vs. remove
 - Compare results with the FCLA recommendations
 - Thoughts?
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- Target time: 20‘ max
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- <http://www.ifs.tuwien.ac.at/~kulovits/shotgun.zip> or USB

Bit rot

002	004
234	123
234	156
127	xxx
221	221

One byte is damaged, one byte cannot be displayed correctly.

Bit rot

002	xxx
234	123
234	156
127	178
221	221

One byte is damaged, ten bytes cannot be displayed correctly.