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University of Michigan
School of Information
SI 675 Digitization for Preservation (Fall 2009)

Assignment 2: Digitization Quality Assessment

Reporting Guidelines

Each report will have five sections. The report will be as long as necessary to address the issues of the four sections:

1. **Scanner/camera description:** This section provides information on the type of scanner used, make and model, the scan control software, and the location of the scanner. It is sometimes useful to find technical information on the particular scanner through the web. If you find a spec sheet or other technical information on the scanner and control software, provide a reference to this documentation.
2. **Scanner/camera qualifying results:** This section reports on the data gathered from scanning the device target and running the resulting image through the GoldenThread software. It will not be necessary to provide results and interpretation on every test measure. It will be sufficient to present summary data for the OECF measurements of tone and the summary SFR results for resolution.
3. **Digitization benchmark results:** This section reports on the data gathered from scanning the physical objects and analyzing the object target readings using the GoldenThread software. It is only necessary to provide reports on one item scanned, but you may wish to present an interpretation on more than one item if your results vary, if the perceptual quality of the physical objects varies noticeably, or if you find value in the similarities across results. It will be sufficient to present summary data for the OECF measurements of tone and the summary SFR results for resolution.
4. **Reflection on digitization quality:** This section is for reaching some conclusions about what you learned about the scanner you used, your judgments about image quality in the context of scanner benchmarking, as well as reflect on the process of completing the assignment. Because this may be your first experience with quality benchmarking, and because you are only testing one scanner, it may not be possible to reach definitive conclusions about scanner quality. The purpose of this section is to stretch as far as you can with your conclusions, while also recognizing the limits of your knowledge.
5. **Reflection on the GoldenThread manual:** This final section of the report is an opportunity to comment on the usefulness of the GoldenThread manual and to make suggestions for improvement. Suggestions and comments can be general in nature; but specific comments about components of the manual, inaccuracies, confusing passages, missing elements, etc. would be most welcomed.

For this report, it is not possible to reach conclusions about benchmarking quality of the scanner you used without reference to the presentations and articles by Don Williams, Michael Stelmach, and others; the relevant literature assigned for Weeks 3 and 4; and other sources available through the Internet that might help you interpret OECF and SFR data plots.

The CTools Resources section of the course contains copies of two ISO standards that relate to OECF and to SFR. Both of these documents have useful and relevant information about interpreting the OECF and SFR results.