

W1.1 Image Quality of Printers

W1.1 2002 – 034

Color Rendition

R. E. Cookingham

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Color Rendition Ad Hoc Group Teleconference Notes 7/10/02

Present: Bob Cookingham, Eddy Dalal, Sue Farnand, Oscar Martinez, and Karin Topfer

Next Teleconferences: 2nd and 4th Wednesdays @ Noon EDT: 7/24, 8/14, and 8/28

Karin explained the graphs she distributed that showed how the contouring metric performed with no filtering on the sweeps made on a DC12, sky to white. The large peaks were present with quite a bit of noise that was not always correlated between the color records. This made it difficult to interpret. She also used sCIELAB to combine the traces for L*, a*, and b* into a single value and plotted that. It showed about the same level of noise but was somewhat easier to interpret because only the single combined value was plotted.

We also discussed Oscars work to print the sweep target and scan the resulting target. Oscar requested the unprocessed data from Eddy's scans of the DC12 images so he can better understand how to scan and process the data from his ink jet rendered sweeps.

From this discussion it is clear we need to address the scanner calibration issue. At our discussion in Portland at the PICS conference we talked about having a common calibration method for all ad hoc group working on the W1.1 standard. As a result we generated two action items listed below.

Action Items:

1. Eddy will compare the sCIELAB plot Karin generated for the DC12 sky to white scan to the actual rendered images, which he has, to see how well he assess the metric has identified the contours present in that sweep image.
2. Eddy will send the unprocessed scan data from his scan of DC12 sky to white rendered image of the sweep to Oscar.
3. Bob will inquire of the other ad hoc group leaders who has need for a calibrated scanner in their work on the standard.
4. Bob will ask Bill Kress to plan to discuss his ideas on scanner calibration at our July 24 teleconference. Bill expressed and interest in at our PICS meeting of working on the scanner calibration issues.

The next teleconference will be on Wednesday, July 24, 2002 at Noon EDT.