

# Pics of slats

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Last Edited August 2, 2013

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## **1 Introduction**

Just some pictures of slats taken on Friday, August 2, 2013. Testing out how pictures look according to lighting conditions and setup. The photos were taken on a light table with a cardboard box on top. The box had a small cut out at the top to make room for the camera. Stencils of positions were drawn for a repeatable orientation.

## **2 Front light, without diffuse paper**

The worst of the configurations, front lighting offered the least contrast between the background and slats. While arguably the most accurate color representation, who cares about that.



Figure 1 Front light, with diffuse paper

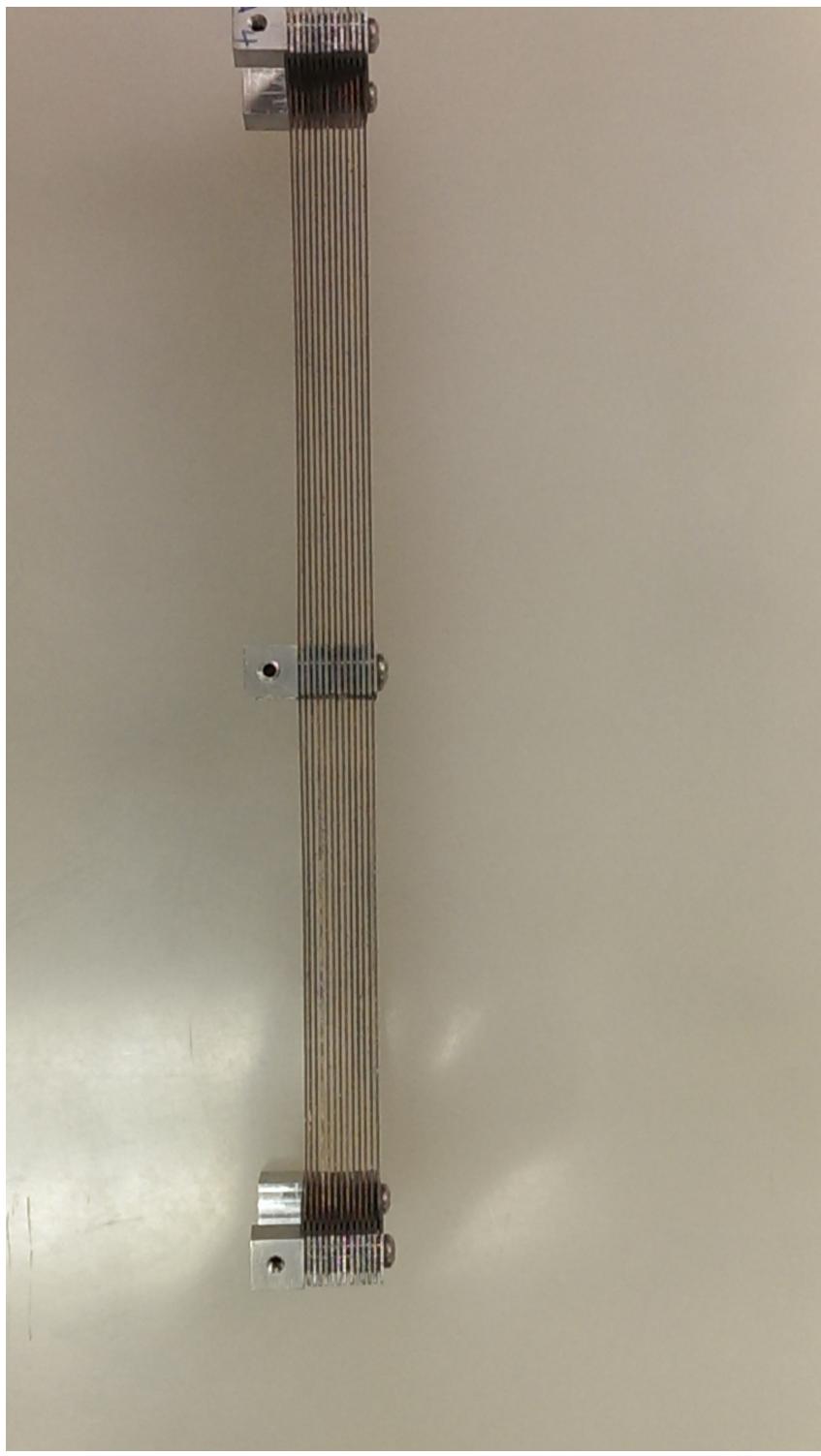


Figure 2 Zoomed in with camera phone so bundle would utilize more image space. Doesn't result in a better quality photo, just upscaled.

### 3 Back light, with diffuse paper

We thought it a good idea to use some tissue paper to make the light more diffuse; it didn't provide any benefit. In fact, it added unwanted noise and dark splotches in the image.

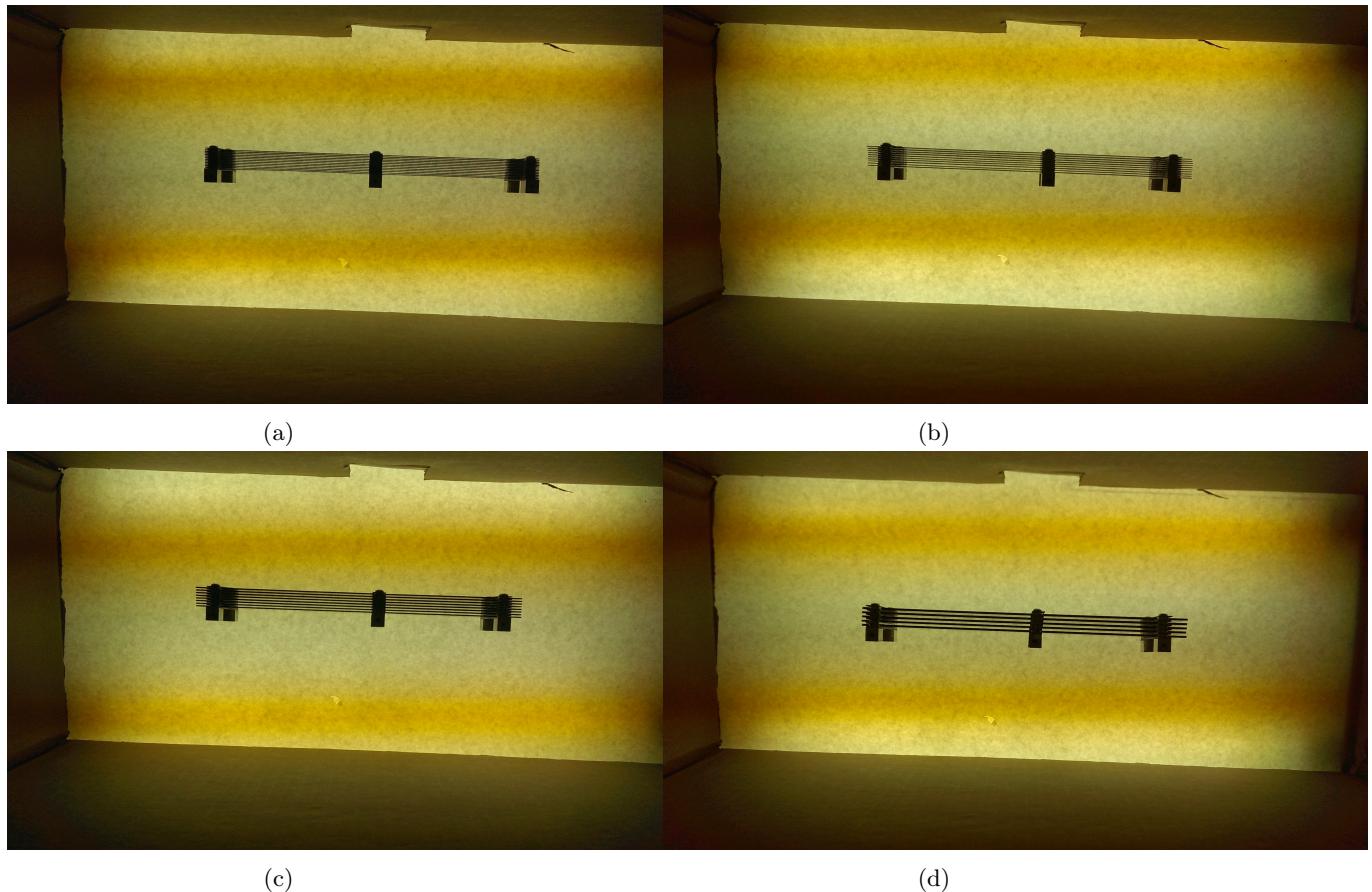


Figure 3 Even though the images are small you can still zoom in a lot.

Some full-size photos:

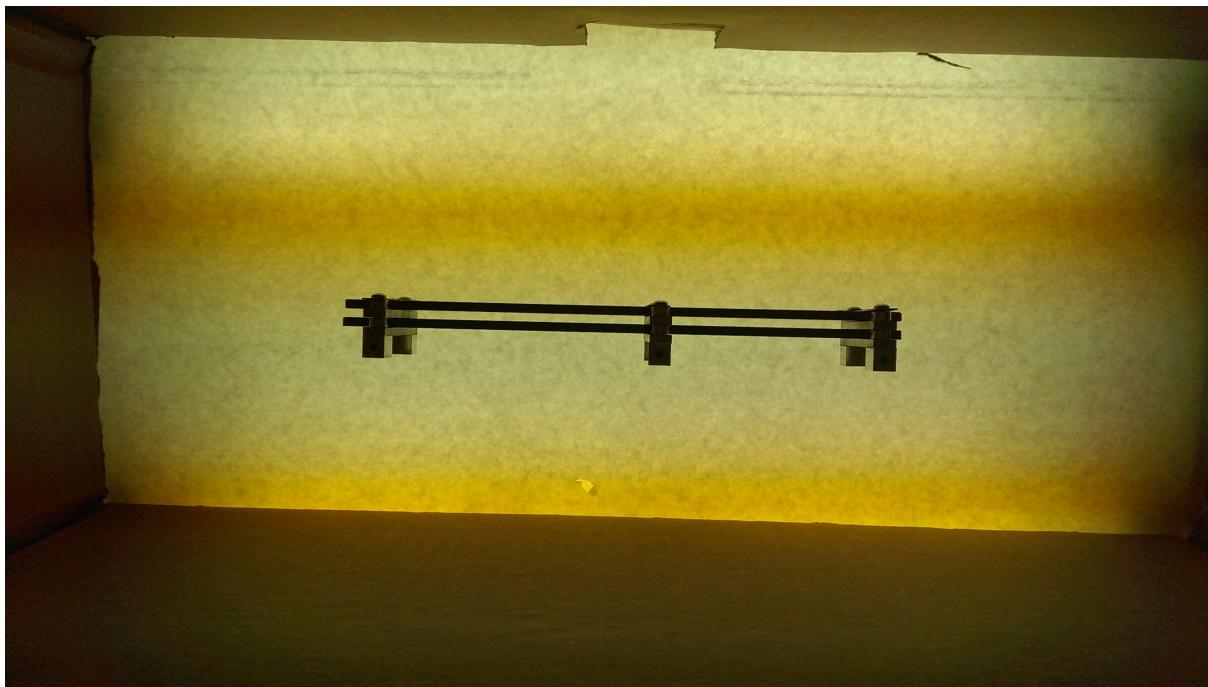


Figure 4

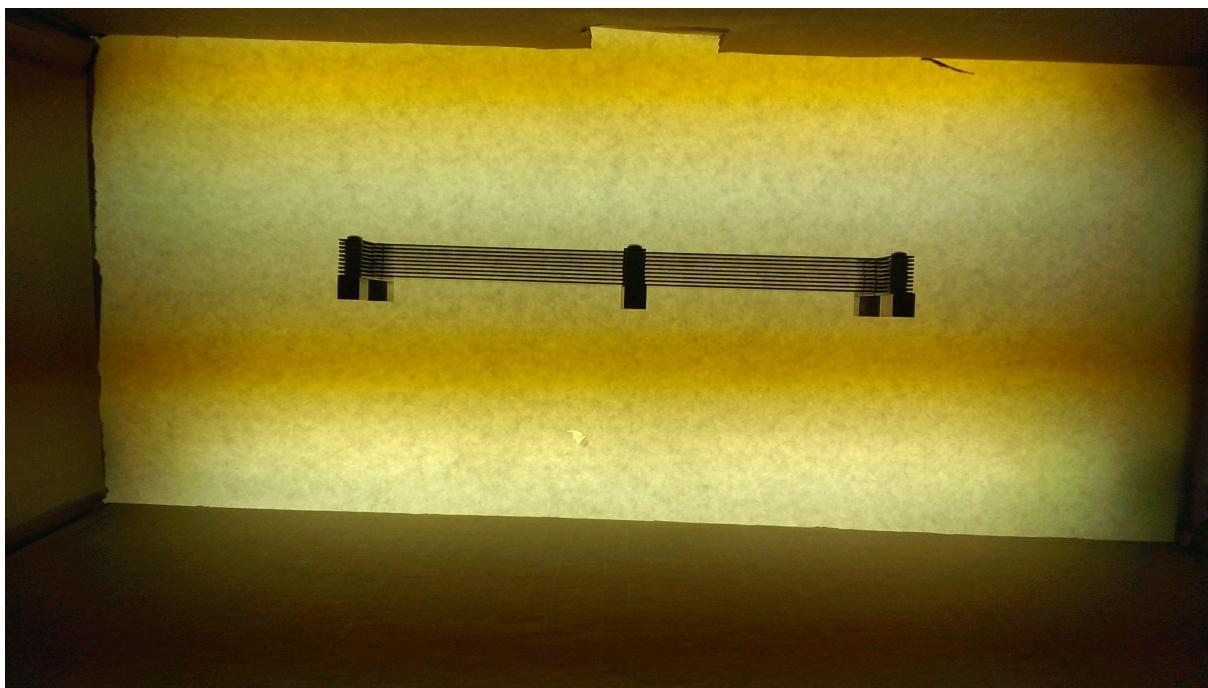


Figure 5

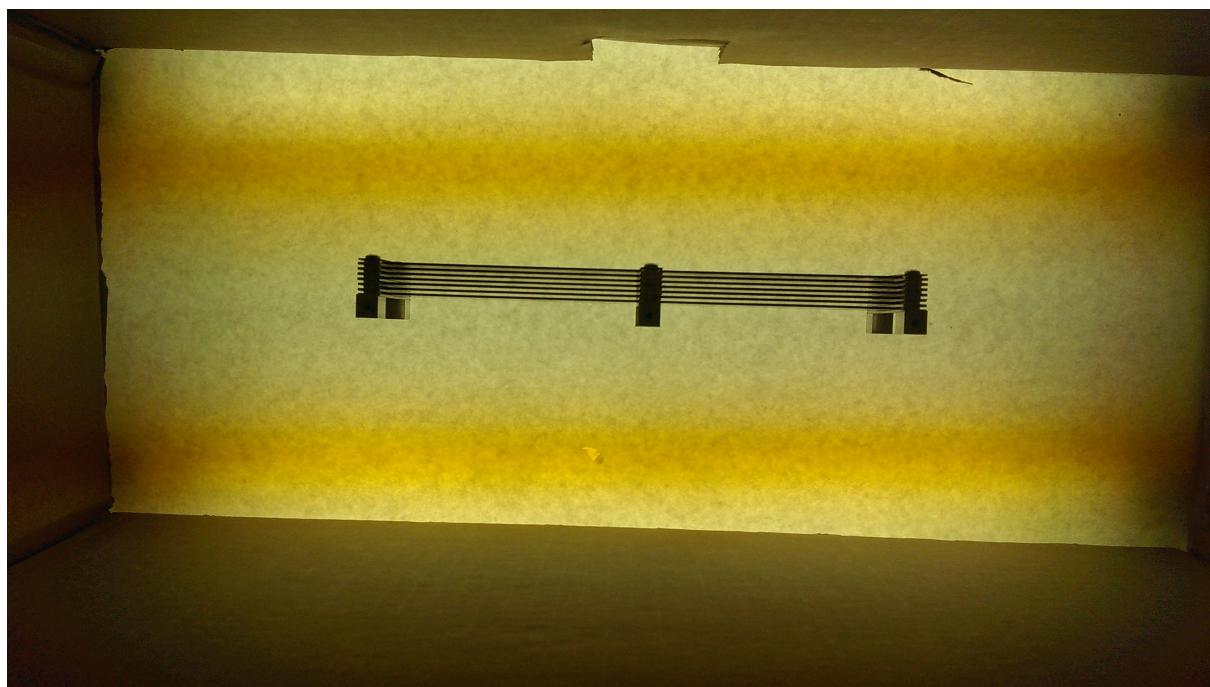


Figure 6

## 4 Back light, No diffuse paper

This image was taken after the previous set; probably going to use this setup from now on.

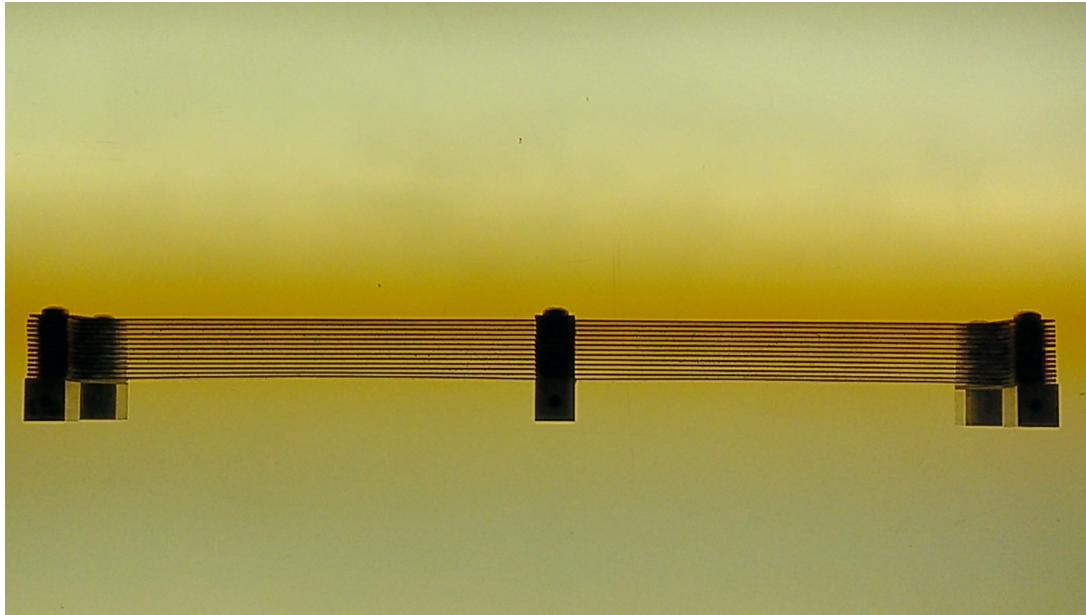


Figure 7 Background lighting, no tissue paper. Zoomed in on camera.

## 5 Preferred way to take pictures

Backlight with a non-cell phone camera looks like the current best option. The rolling shutter of the cell phone camera combined with fluorescent lighting's flickering properties lead to less-than-ideal photos.