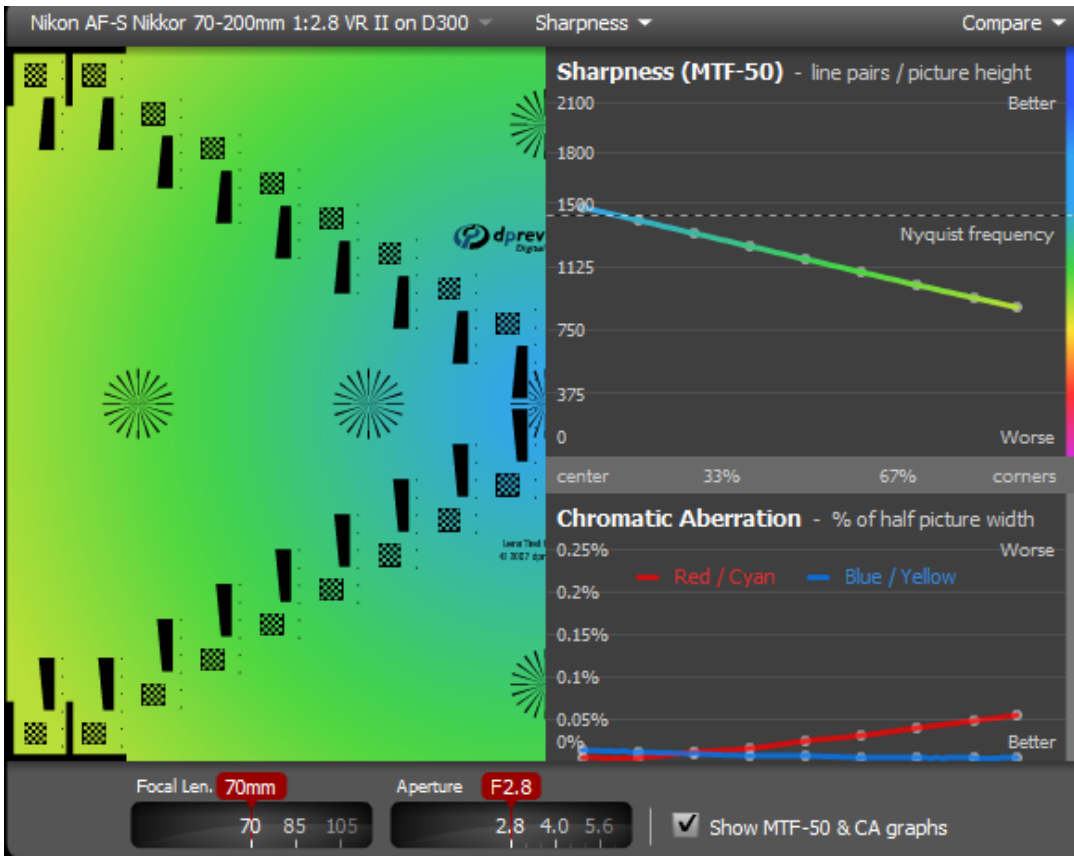
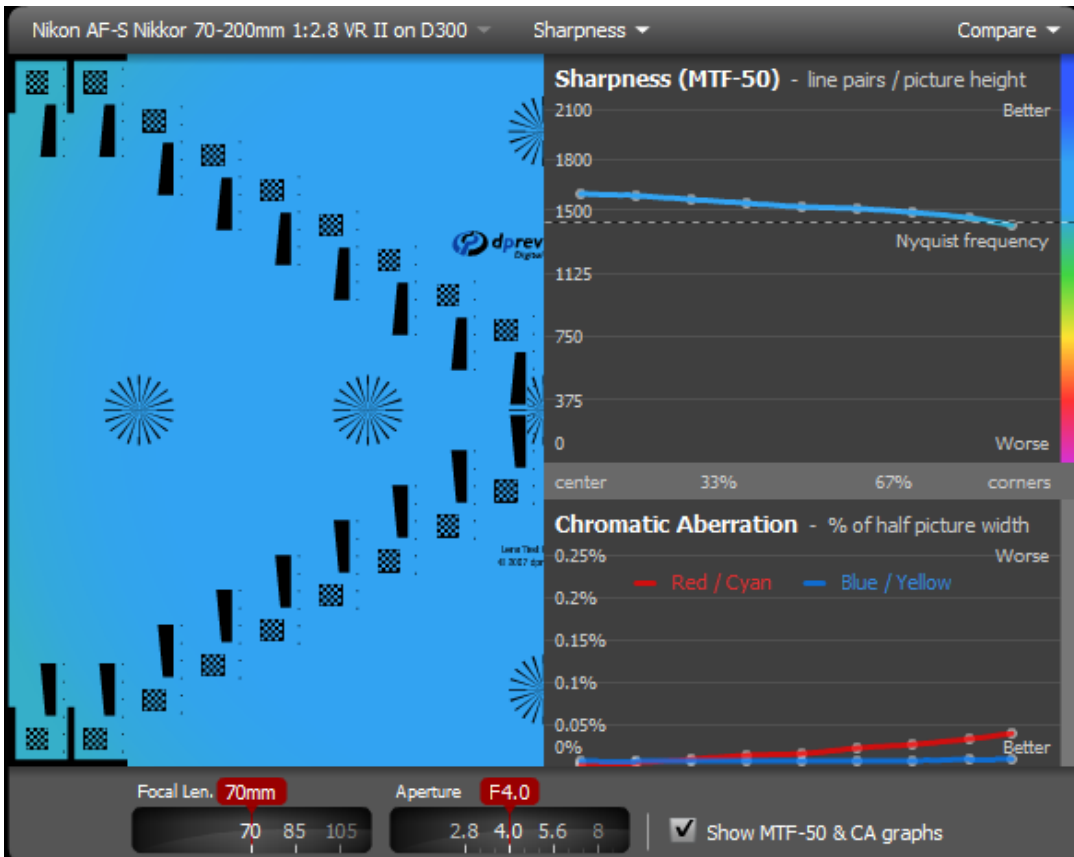


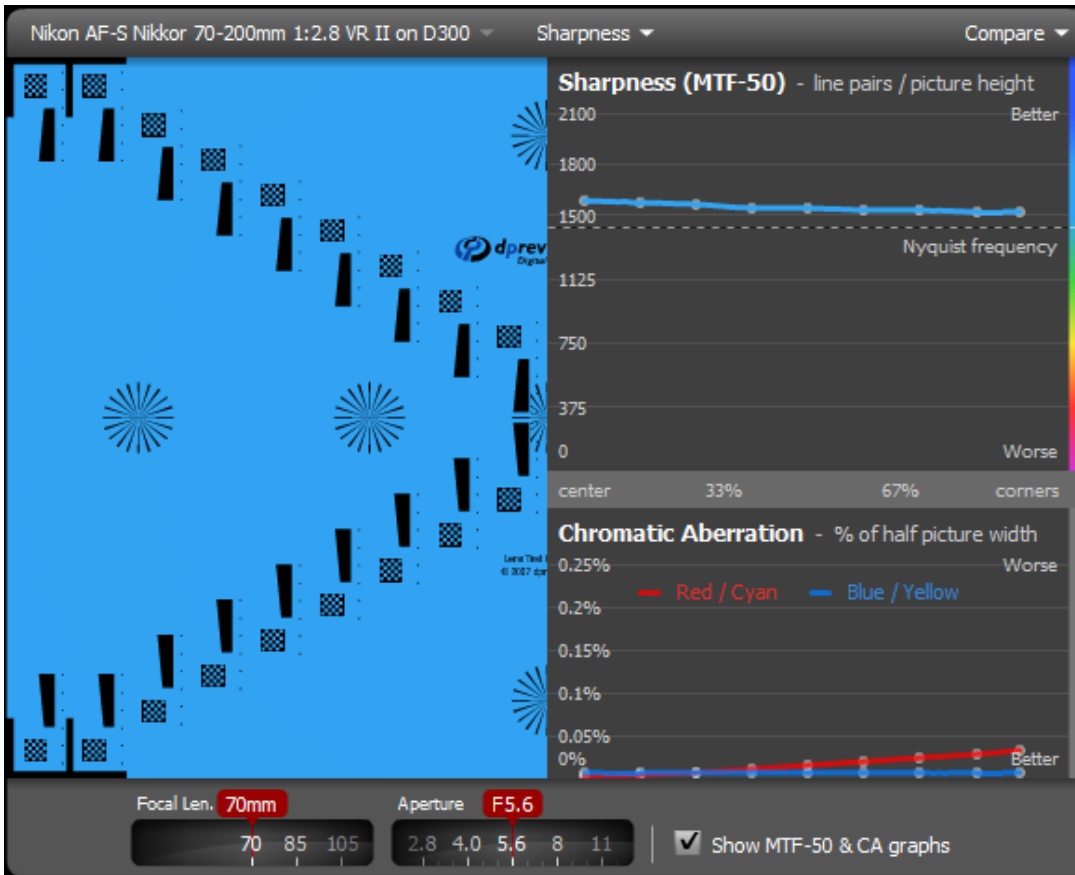
A few selected diagrams from the dpreview.com document on the Nikon AF-S 70-200mm f/2.8G VR II
f/2.8 @ 70mm (D300)



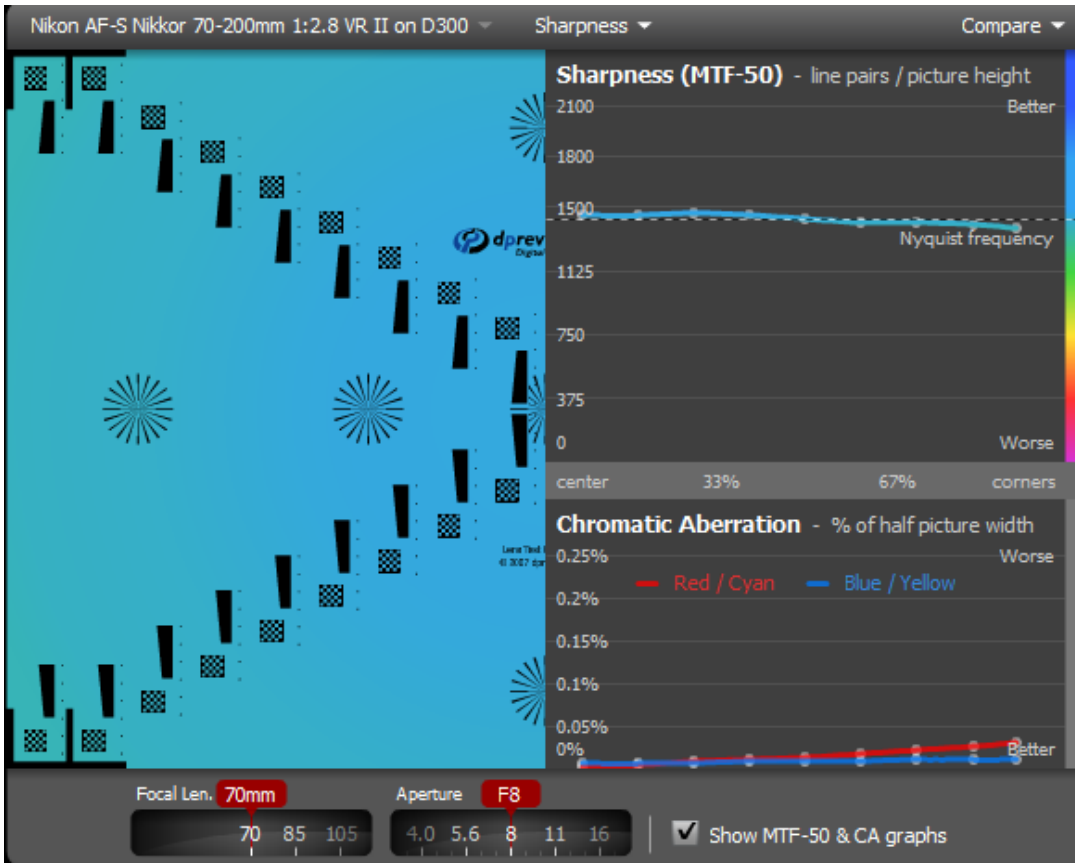
f/4 @ 70mm (D300)



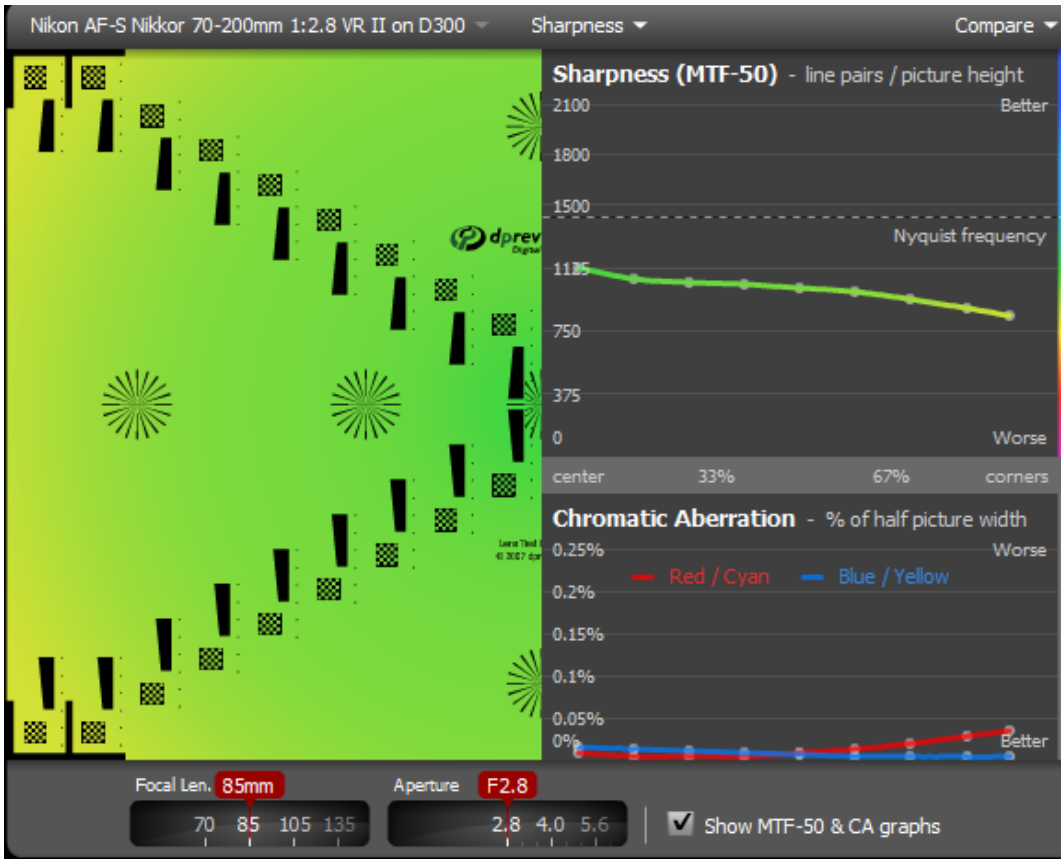
f/5.6 @ 70mm (D300)



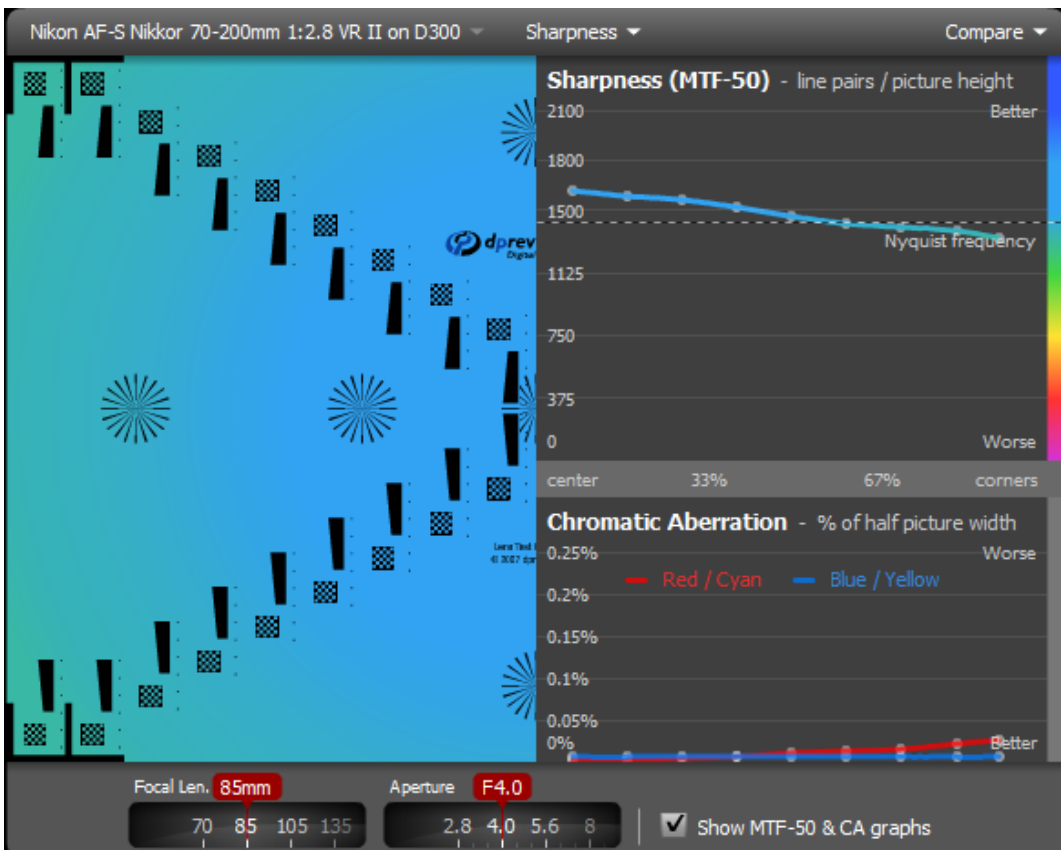
f/8 @ 70mm (D300)



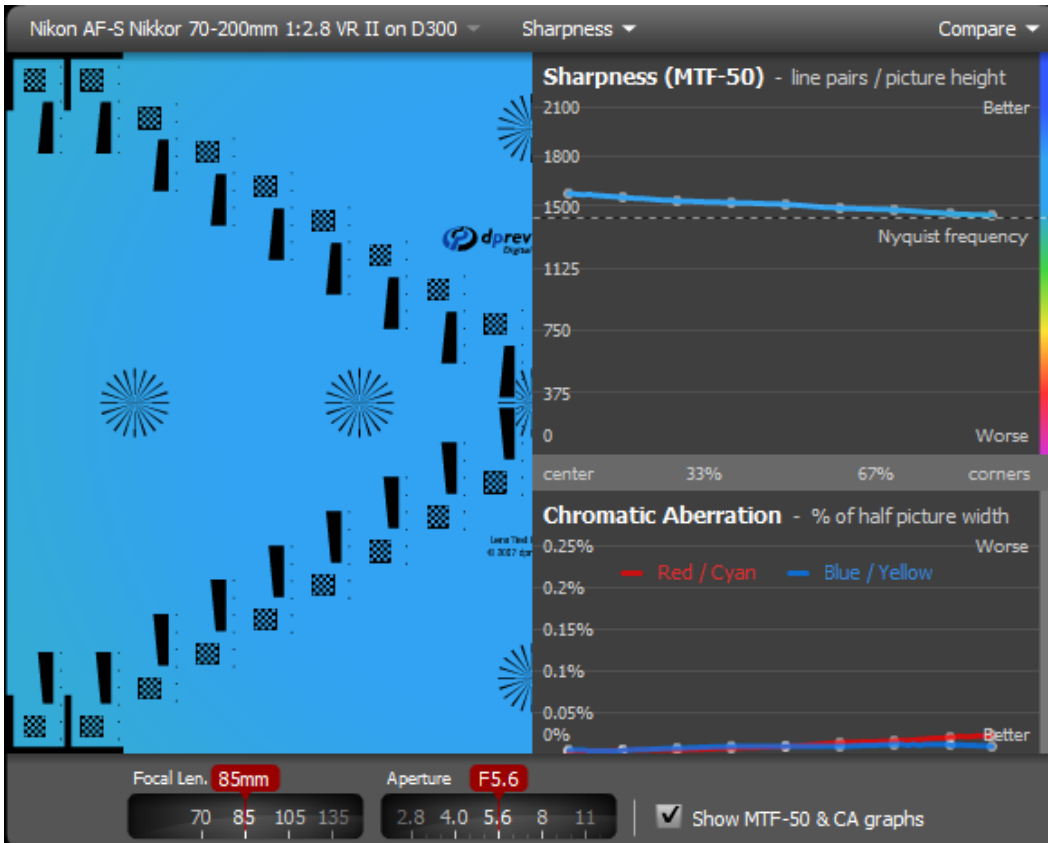
f/2.8 @ 85mm (D300)



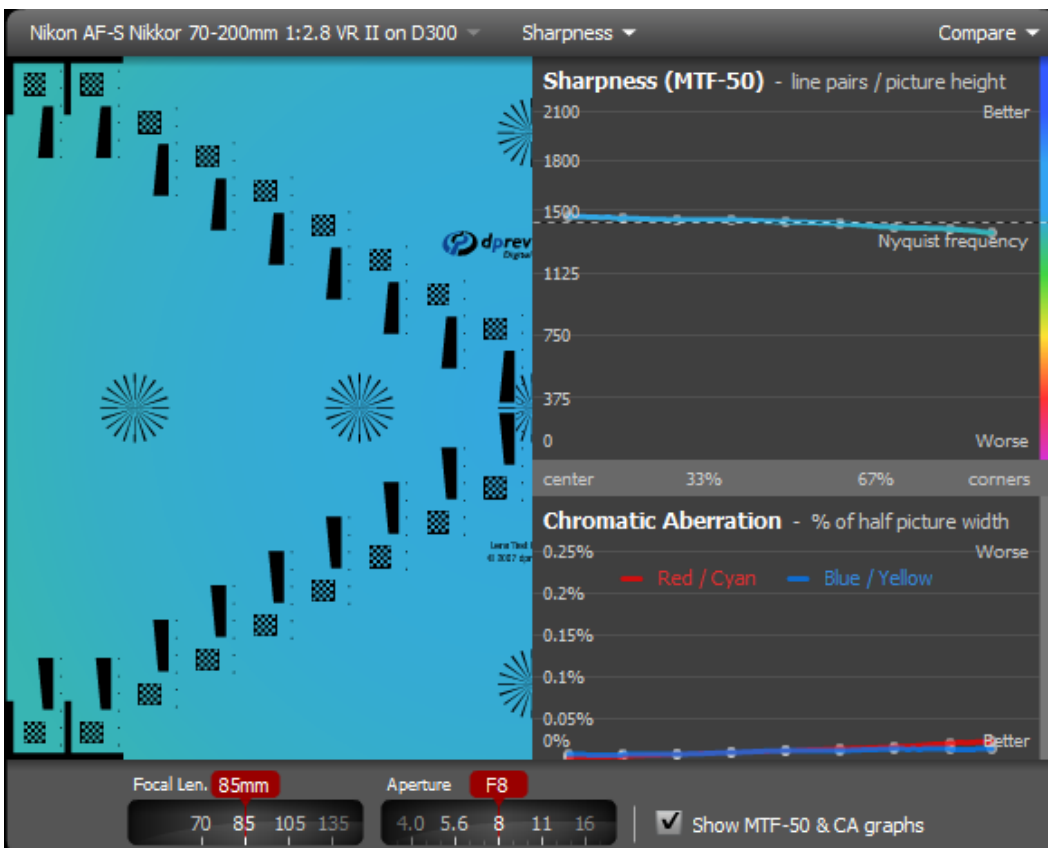
f/4 @ 85mm (D300)



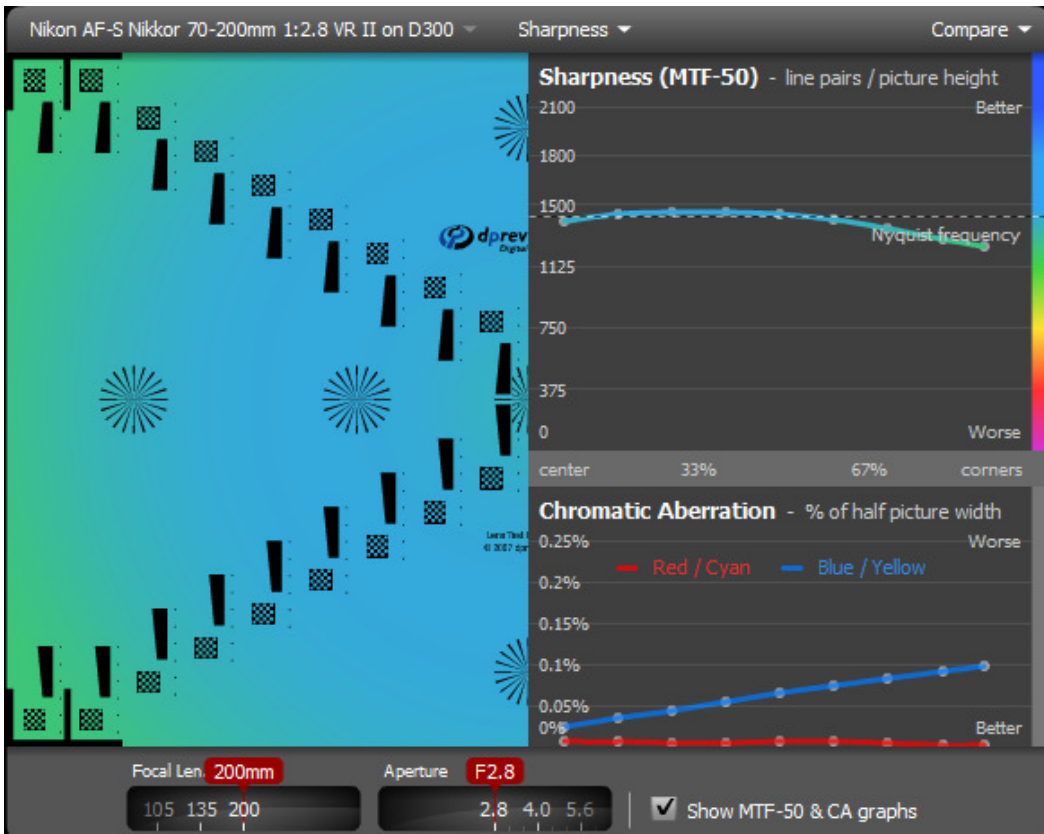
f/5.6 @ 85mm (D300)



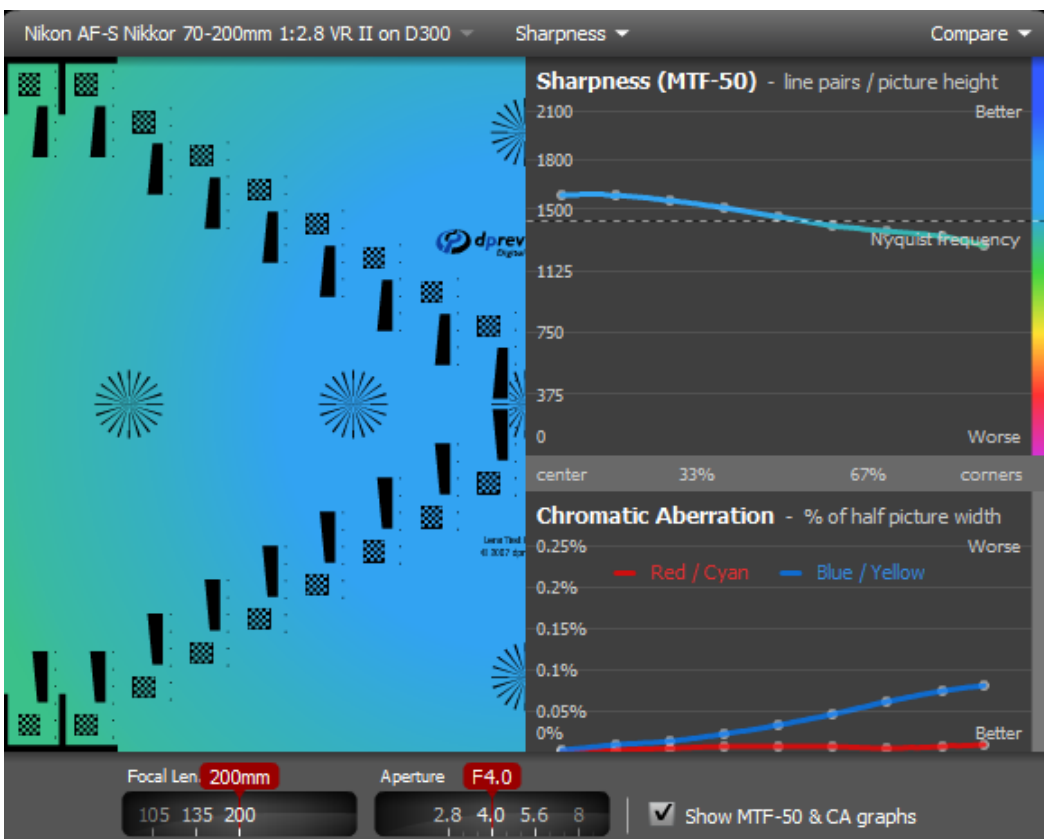
f/8 @ 85mm (D300)



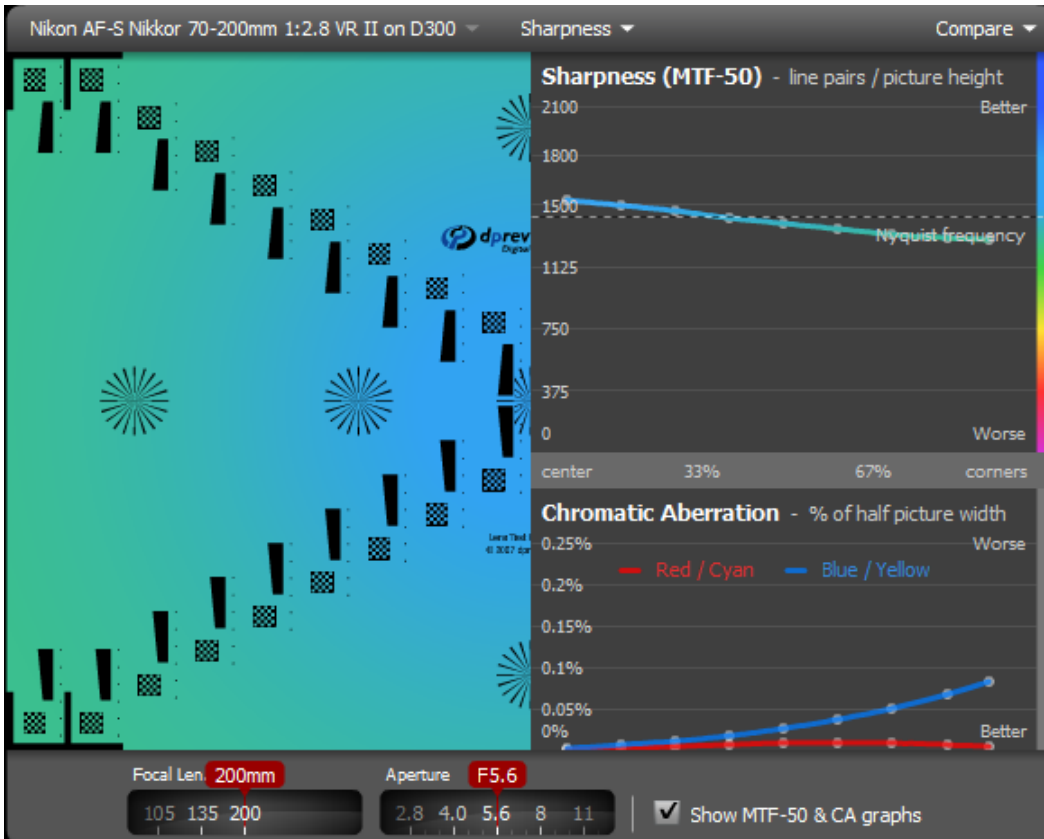
f/2.8 @ 200mm (D300)



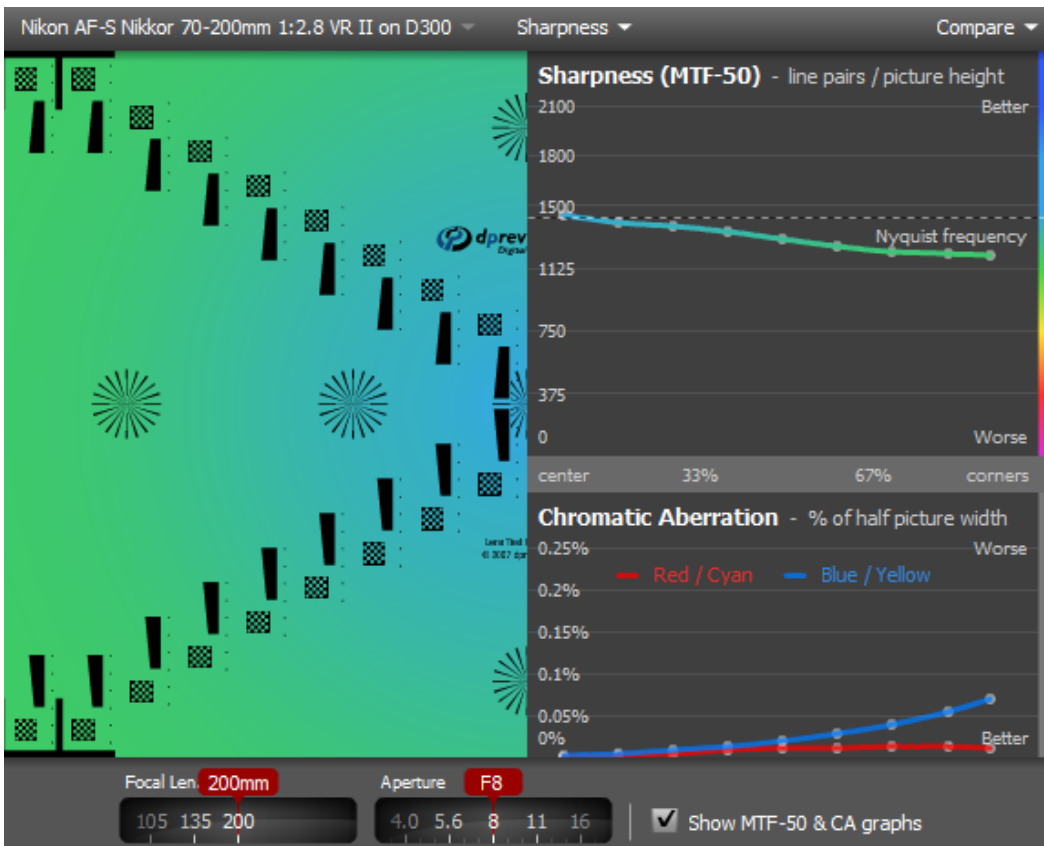
f/4 @ 200mm (D300)



f/5.6 @ 200mm (D300)



f/8 @ 200mm (D300)



See the original source for the complete set of diagrams (for both DX & FX cameras). As can be seen in these diagrams,

- D300 sensor resolution is reached at $f/2.8$ at 70mm and at 200mm in image center. In between, it has to be stopped down to reach D300 sensor resolution in image center.
- D300 sensor resolution is reached at $f/4$ at all focal lengths in image center.
- D300 sensor resolution is reached over the whole frame (!) at $f/5.6$ for all focal lengths (the 135mm / 200mm settings being the worst at the edges, but still excellent).
- Resolution starts to drop very slightly due to diffraction when going from $f/5.6$ to $f/8$. At $f/11$, D300 sensor resolution is not reached at any point of the image due to diffraction.