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Atmospheric Measurement Techniques Discussions

Interactive comment on "A performance assessment of the World Wide Lightning Location Network (WWLLN) via comparison with the Canadian Lightning Detection Network (CLDN)" *by* D. Abreu et al.

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This paper is well written, clear, concise, and suitable for publication in AMT. The paper deals with the validation of the WWLLN global lightning network against the Canadian lightning network (regarded as the ground truth). The authors have done a nice job in comparing the two data sets, pointing out the differences in the networks, while showing the agreement between this study and previous studies using WWLLN data.

I have on a few minor comments: 1) At the end of section 2.1 (Figure 1) the "config-

uration" of stations used in this study is shown. Later it is pointed out that also the NLDN stations in the US are used, and hence this is a little confusing. Perhaps Figure 3 should be shown only, or the US sensors should be added to Figure 1.

2) Section 3, P1868, line 1: Having a mean +CG value of 14.2 kA is very low. Normally +CG are much higher $\sim$40kA than the -CG flashes. Here your +CG mean value is less than the -CG value. Any explanation as to why this is?

Interactive comment on Atmos. Meas. Tech. Discuss., 3, 1861, 2010.