

## ***Interactive comment on “Airborne laser scan data: a valuable tool to infer partial beam-blockage in urban environment” by R. Cremonini et al.***

### **Anonymous Referee #1**

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#### General comments

The problem of PBB correction in radar measurements is very crucial, especially for urban hydrology. The DEM-based techniques are not efficient when spatial resolution of 100 m is required, so the ALS seems to be very promising.

#### Specific comments

The title of the paper is confusing because might not be clear which beam is considered. I suggest to exchange it into “Airborne laser scan data: a valuable tool to infer partial weather radar beam-blockage in urban environment” (the phrase “weather radar” is added).

#### Technical corrections

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Discussion paper



Page 4, line 75: "Where" -> "where" Page 4, line 98: "R(Marshal)" -> "R (Marshal)"  
Page 4, line 100: "Where" -> "where" Page 5, line 5 (Eq. 7): "Ldb" -> "LdB" Page 5,  
line 5 (Eq. 7): "Zunblocked" -> "Ztotal" Page 5, line 5 (Eq. 7): "Runblocked" -> "Rtotal"

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