**Atmospheric
Chemistry
and Physics
Discussions**

Interactive comment on "The Eyjafjöll explosive volcanic
eruption from a microwave weather radar
perspective" *by* F. S. Marzano et al.

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Great article which gives a good inside to using ground based radars for measuring volcanic events. I have no comments on the content itself, only suggestions regarding the grammar.

On page 2, line 10: The discussion about the eruption is as it is still ongoing. "the 2010 Eyjafjöll eruption has been lasting for several weeks" while in other parts of the paper there is given a definite end time of the eruption. My suggestion is that here it should be "the 2010 Eyjafjöll eruption lasted several weeks".

On page 7, line 11: In the article a "jökulhlaup" is mentioned, I would suggest using

"glacier burst".

On page 7, line 12: In the article the word "sandur" is used, I would suggest using "the sand on the lowland".

On page 14, line 2: Here there is a typo, the text says "The VARR technique can be been applied..." I suggest removing "been" from this sentence.

On page 14, line 16: In the article the text goes "Radar returns have been then geo-located into..." I suggest moving "been" behind "then" so the text would be "Radar returns have then been geo-located into..."

On page 15, line 19: In the article the text goes "The radar-derived total volume Vat(mˆ3) can be then computed integrating..." I suggest moving "be" behind "then" and inserting "by" so the text would be "The radar-derived total volume Vat(mˆ3) can then be computed by integrating..."

On page 16, line 1: In the article the text goes "...ash cloud va(t) may be not detectable..." I suggest moving "be" behind "not" so the text would be "...ash cloud va(t) may not be detectable..."

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 12367, 2011.