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TITLE: "Characterization of ultrafine particles and the occurrence of new particle formation events in an urban and coastal site of the Mediterranean area"

Replies to Reviewer 2

The authors wish to thank both referees for their constructive comments and good suggestions to improve our MS. Below answers to referee comments and changes made (yellow in the revised text) for the MS.

Minor comments

L95 – As it is written seems is the same instrument, maybe change for “The instrumentation used are the same instrument model...”.

**REPLY: we changed it.**

L127 – change by “(Fuchs and Sutugin, 1971)” Same in other parts of the manuscript for Lehtinen et al. 2003, “Lehtinen and Kulmala, 2003”?

**REPLY: we changed them.**

L128 – I would add “ $J(J_{10}; \text{cm}^{-3} \text{s}^{-1})$ ” just to clarify, it is the common terminology.

**REPLY: we added it.**

L184 – A clear diurnal pattern “for”?

**REPLY: we corrected it.**

L268 – Sipilä et al., 2010

**REPLY: we corrected it.**

L269 – Petäjä et al., 2009; “Eq. 4” the space

**REPLY: we corrected it.**

L272 – “Fig. 5d” the dot

**REPLY: we corrected it.**