

Interactive comment on “Iodine-mediated coastal particle formation: an overview of the Reactive Halogens in the Marine Boundary Layer (RHaMBLe) Roscoff coastal study” by G. McFiggans et al.

Anonymous Referee #2

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This paper present and overview of the RHaMBLe campaign, where Iodine driven coastal nucleation is confirmed to occur also at another site than Mace Head. Interestingly, the authors find that polluted air mass does not inhibit particle formation by nucleation, but can actually assiste the growth of nucleated particles to detectable sizes.

For an overview, I find the dedcption of various instruments too long, most of the instruments and their use in this campaign has been described elsewhere in the litature; in those cases the instruments description should be shortened considerably, concen-

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trating on conveying, for example, the difference between quantities two measurements for the same compound actually measure, rather than decsribing the instruments themselves.

The analysing and conclusions of the campaign should get more weight in the article, and comparison of finding in particle formation srydied in other environments, not only Mace Head should be added. For example in Pittsburgh, USA, they (Pandis et al) have also seen particle formation in surprisingly polluted air, and there are several other examples of this.

Minor comments: page 26423, row 15-16, when using "higher" and "larger", somewhere in the sentence should be "than..." page 26432, row 15 in situ -> In situ at the beginning of sentence? page 26463, row 6 in situ -> In situ at the beginning of sentence? page 26464, row 6 concentrationunder -> concentration under

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