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Comment

## ***Interactive comment on “Production and growth of new particles during two cruise campaigns in the marginal seas of China” by X. H. Liu et al.***

**X. H. Liu et al.**

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Line 22, Page 6 and Lin 13, Page 7, “on the ship” could be “on board”.

Response: Corrected in the revision. Please see our revised version.

Line 10, Page 9, “twice times of the” should be “twice of the”.

Response: Corrected in the revision. Please see our revised version.

Lines 7-8, Page 10, please check “A longer NPF event was observed from 10:30 on Day 2 to 03:50 LT on 18 October 2011 (Day 3)”, it looks like the second NPF event was from 10:30 to 11:40 (check your exact time) on Day 2 (Fig. 3a and b), the bottleneck of about 30 nm at 11:40 on Day 2. If so, the consequent growth rate and discussion

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should be changed.

Response: At the 11:35LT on 17 October 2011, the number concentration of new particles reached the maximum value. This will be highlighted in the revision. The number concentration started to decrease after 11:35LT, but new particles continuously grew. The growth rate of new particles indeed decreased slightly after 11:40LT, which could be due to decreasing formation rate of non-volatile SOA (Fig S7 in supporting information). We believe the NPF event observed from 10:30 on Day 2 to 03:50 LT on 18 October 2011 should be considered as a long NPF event with varying growth rate of new particles rather than two NPF events.

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Interactive comment on *Atmos. Chem. Phys. Discuss.*, 14, 3043, 2014.

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