

## ***Interactive comment on* “Spatial distribution of mercury deposition fluxes in Wanshan Hg mining area, Guizhou, China” by Z. H. Dai et al.**

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This paper investigated the spatial distribution of Hg<sup>0</sup> in ambient air in Wanshan Hg mining area to identify the major sources of atmospheric mercury. I have no oppositions to the publication of this paper, but ask the authors to consider the following comments.

Comments: 1. Chemical symbol Hg was referred throughout the paper, you should define it at the beginning of the paper. Page 5740 line 3: change ‘Hg’ to ‘mercury (Hg)’. 2. Page 5742 line 19: change ‘state’ to ‘states’. 3. Page 5743 line 25: change ‘occurred’ to ‘occur’. 4. Page 5744 line 2: delete the word ‘concentrations’. 5. Page 5744 line 26: There is a missing space between ‘bottle’ and ‘were’. 6. Page 5746 line 12: change ‘transform’ to ‘transformed’. 7. Page 5746 line 22: If I am not mistaken there is an omission, and ‘wash-off’ should be changed to ‘washing-off’. 8. Page 5748

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line 28: change 'was' to 'were'. 9. Page 5749 line 17: change 'are' to 'is'. 10. Page 5751 line 5: change 'is' to 'are'. 11. Page 5751 line 11: change 'is' to 'was'. 12. Page 5752 line 3: change 'needs' to 'need'. 13. Page 5752 line 16: add 'et al.' after 'Kocman'. 14. Page 5753 line 13: change 'concentrations' to 'concentration'. 15. Page 5758 line 22: If I am not mistaken, 'Iverfeldt, A.' should be changed to 'Iverfeldt, Å.'. 16. There are some missing space characters between the authors in the reference. Add space characters after 'Babiarz, C. L.', (page 5759, line19) and 'M'arquez, C.', (page 5759, line 23). 17. Page 5759 line 10: add a comma after 'Rea, A. W.'. 18. Page 5764: 'Gerald et al. (2006)' is quoted, but it is not found in the references.

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