

**Reply to comments on “Characteristics of fine particle matters at the top of Shanghai Tower” by Changqin Yin, Jianming Xu, Wei Gao, et al.**

Dear editor, thank you very much for the supportive feedback and consideration of our paper for final publication in ACP, subject to technical corrections. Our point-to-point replies to the technical corrections are listed below (Your points in black, our responses in blue):

**Comments to the author:**

Congratulations! I am pleased to accept the manuscript subject to the technical corrections identified by the editorial office.

**Notification to the authors:**

1. Regarding your figure 1 (photos): with the next revision, please check if a copyright statement/image credit is required and add it to the figure caption, if applicable. If you are the originator of the photos, you can just inform us via email.

**Response:**

Thanks for noting. We are the originator of the photos in figure 1. In addition, we added a copyright statement for the map images in the figure caption:

“Figure 1: The deployment of SHT site. The upper-left image gives a view of Yangtze River Delta Region (screenshot from Google Earth 2022 map data: Data SIO, NOAA, U.S. Navy, NGA, GEBCO. Image Landsat/Copernicus). The upper-right image shows the map of sample sites (Image © 2022 Maxar Technologies). The red star in the lower-left photo denotes the platform at the top of SHT.”

2. Please ensure that the colour schemes used in your maps and charts allow readers with colour vision deficiencies to correctly interpret your findings. Please check your figures using the Coblis – Color Blindness Simulator (<https://www.color-blindness.com/coblis-color-blindness-simulator/>) and revise the colour schemes accordingly.

**Response:**

Thanks for noting. We checked the figures in the manuscript. Figures 1-5, 7-10 are fine. We changed the color of NH<sub>4</sub> from dark orange to a lighter one for both Figure 6 and Figure 11. The legends for the lines in Figure 6a was removed to avoid confusion for monochromacy/achromatopsia, as the lines are easy to distinguish from the figure caption. Besides, the color of NH<sub>4</sub> for Figure S10 in the supplementary materials was changed accordingly.