

## Response to comments:

Additional comments:

As suggested by Referee #2, please complete figure caption (Figure 4) not only with a legend, but add some more information, that it can be immediately clear what it represents.

Re: Thanks. According to comments, we have added more information in the caption of Figure 4.

**“Figure 4.** Relative contribution of individual fluorophores of atmospheric WSOM. (a: Chuzhou (CZ); b: Guangzhou (GZ); c: wet season of GZ; d: dry season of GZ; the colored box represents the data range of 25%-75%, the horizontal line within the box represents the median line (50%), the error bar represents the 1.5 times the standard deviation, the circle in the box represents the mean value of the data, the triangles in the bottom and top represent the minimum and maximum values of the data, the dot in the right of the box represents the overall data coupled with Gaussian distribution line.)”.