

1 **Figure Captions**

2 **Figure 1.** Map showing the sampling sites for aerosol particulate matter ($PM_{2.5}$ and
3 PM_{10}) in Riyadh.

4 **Figure 2.** Plots showing the concentrations of aerosol PM in Riyadh at different
5 times.

6 **Figure 3.** Plots showing: (a) the concentration ratios of PM_{10} -to- $PM_{2.5}$ at different
7 sites, and (b) the average concentrations of $PM_{2.5}$ and PM_{10} between June
8 2006 and May 2007.

9 **Figure 4.** Plots showing the concentration of $PM_{2.5}$ relative to AQIs (EPA, 1999) at
10 different sites in Riyadh from June 2006 to May 2007.

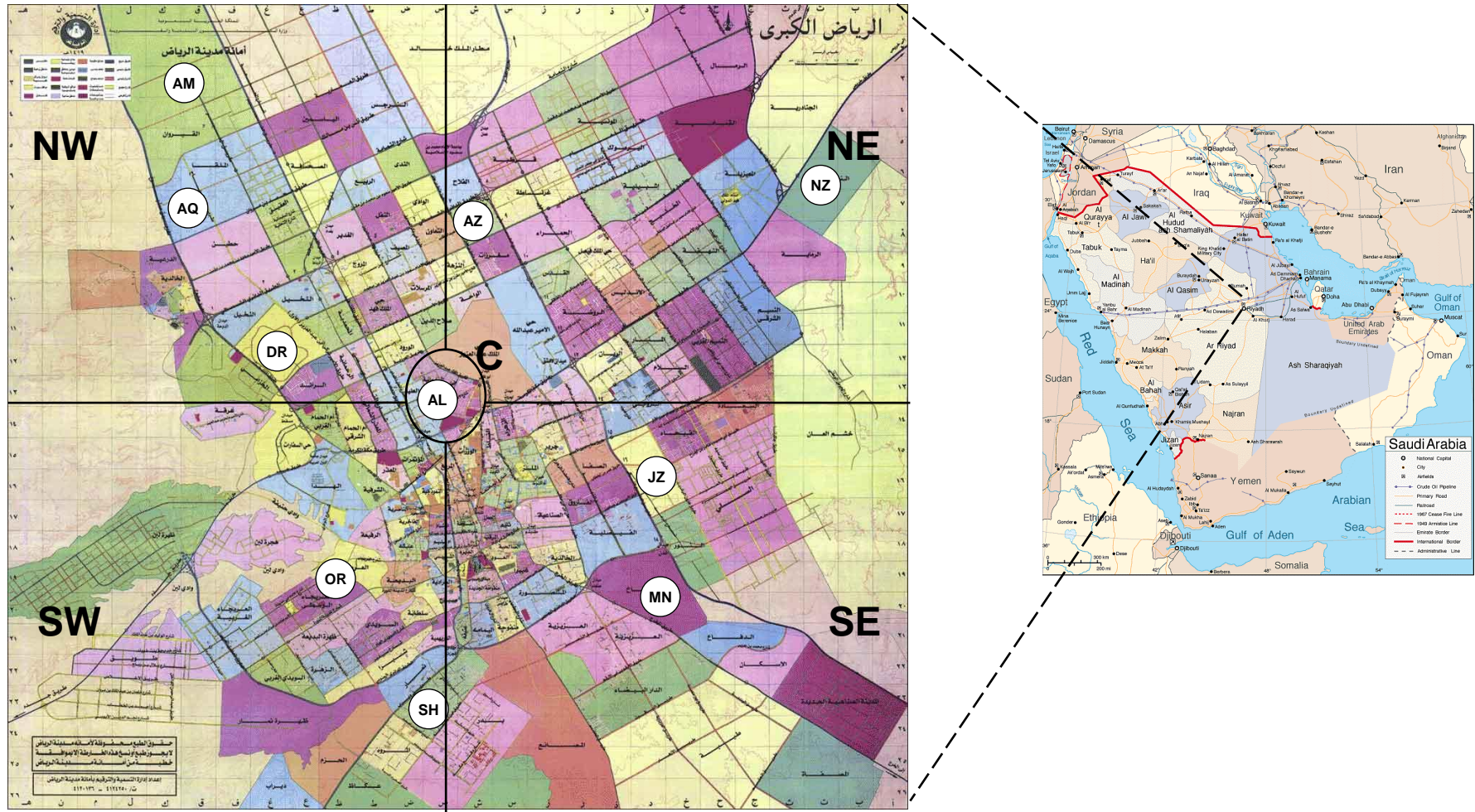
11 **Figure 5.** Plots showing the concentration of PM_{10} relative to AQIs (EPA, 1999) at
12 different sites in Riyadh from June 2006 to May 2007.

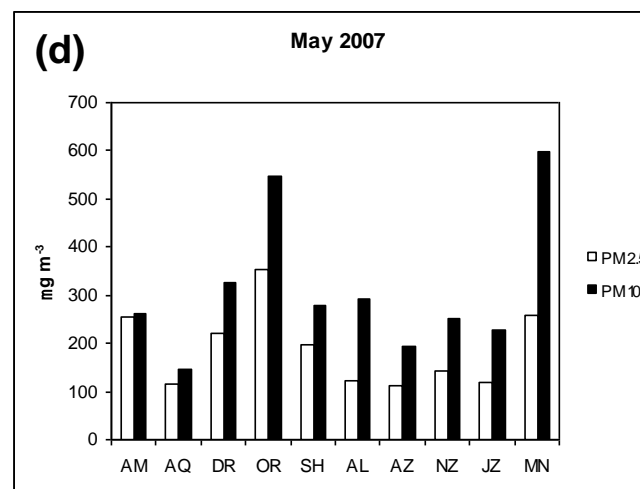
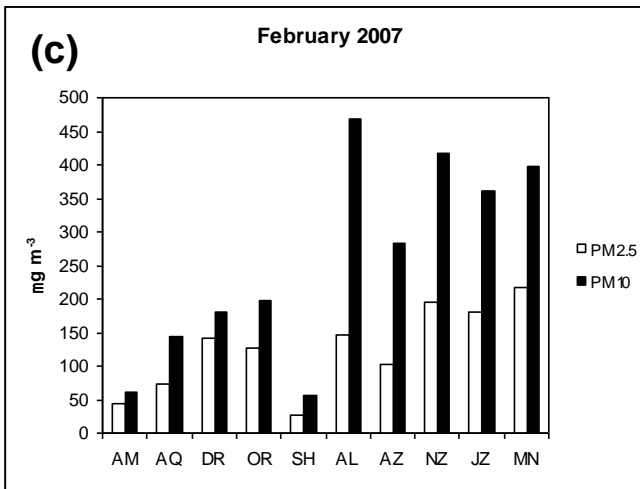
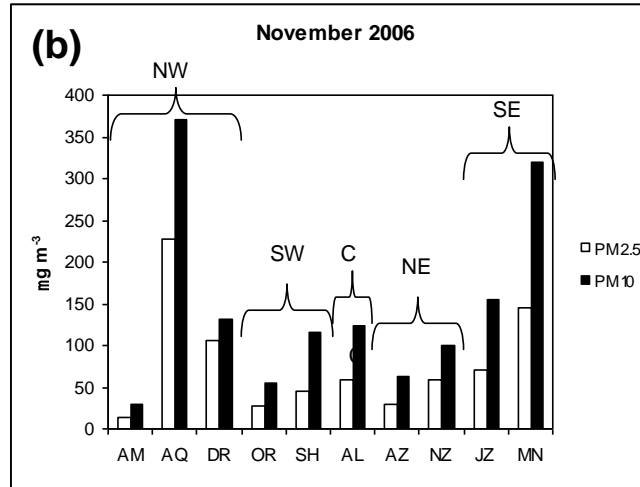
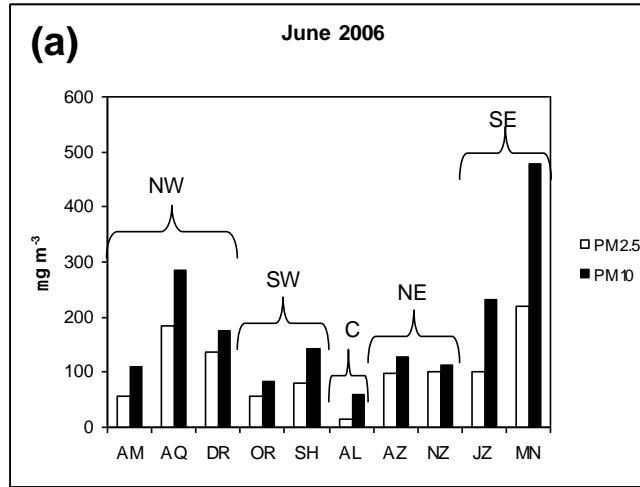
13 **Figure 6.** Plots showing: (a) the PM average Air Quality Levels (AQL) of the
14 different sites in Riyadh, and (b) the different monthly AQL average. ($PM_{2.5}$ =
15 solid line; PM_{10} = dotted line)

16 **Figure 7.** Plots showing the total element concentrations in: (a) $PM_{2.5}$ and (b) PM_{10} at
17 different sites of Riyadh from June 2006 to May 2007.

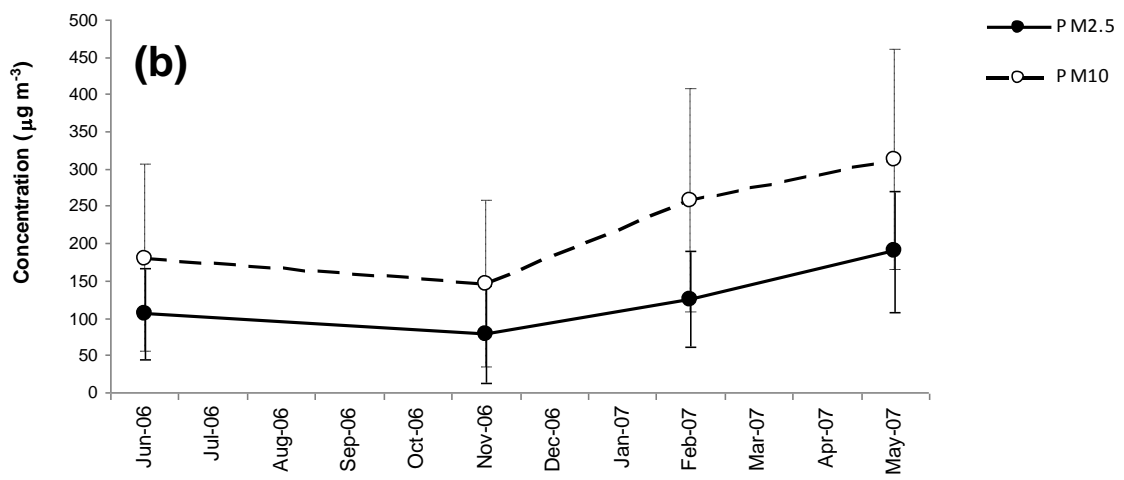
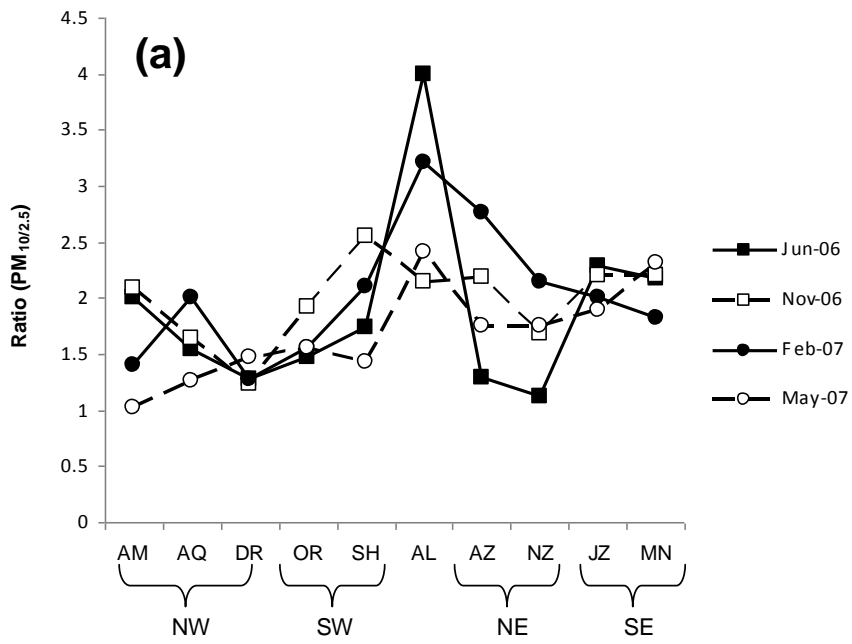
18 **Figure 8.** Plots showing the enrichment factors of: (a) the elemental components of
19 $PM_{2.5}$ and (b) the elemental components of PM_{10} from June 2006 to May
20 2007.

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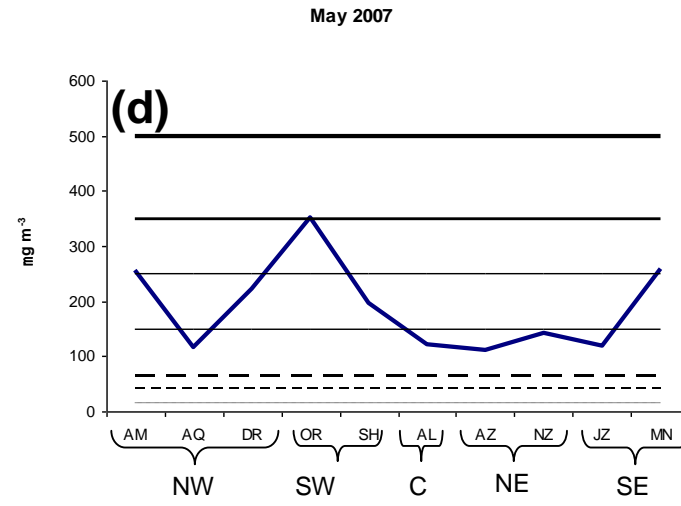
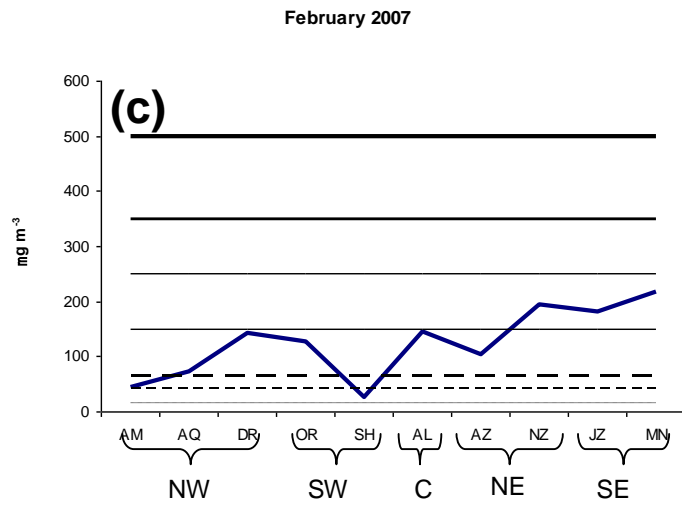
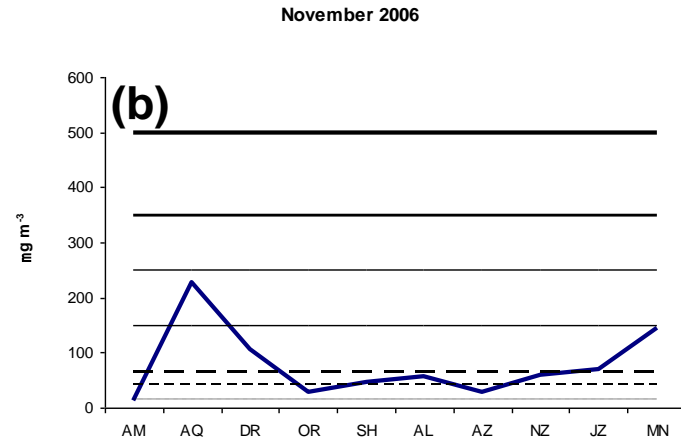
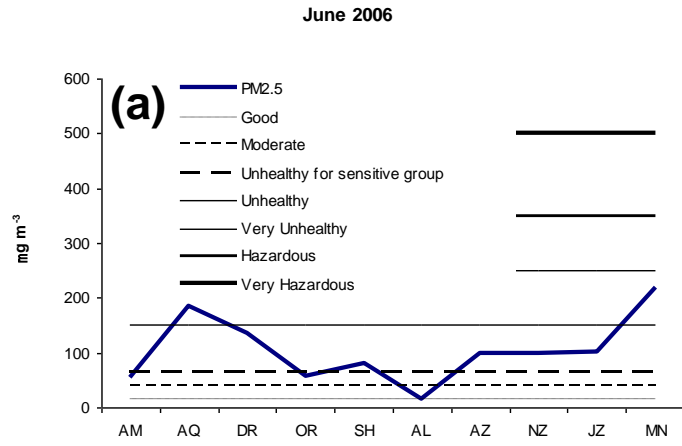


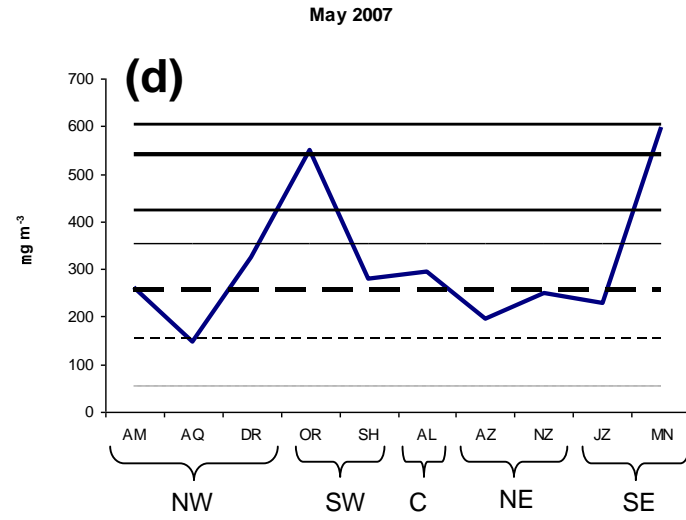
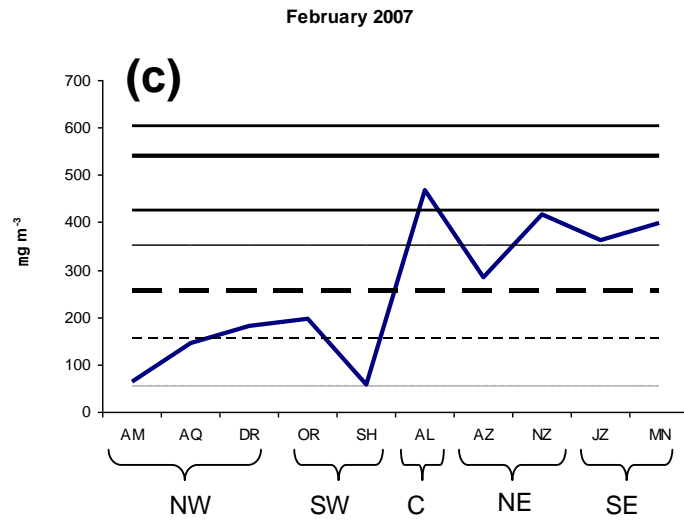
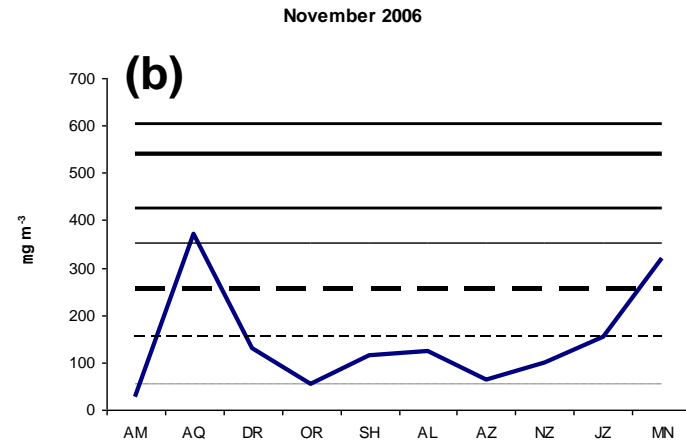
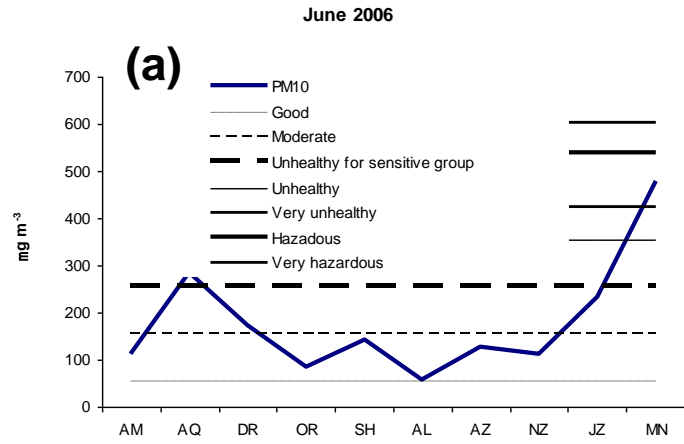


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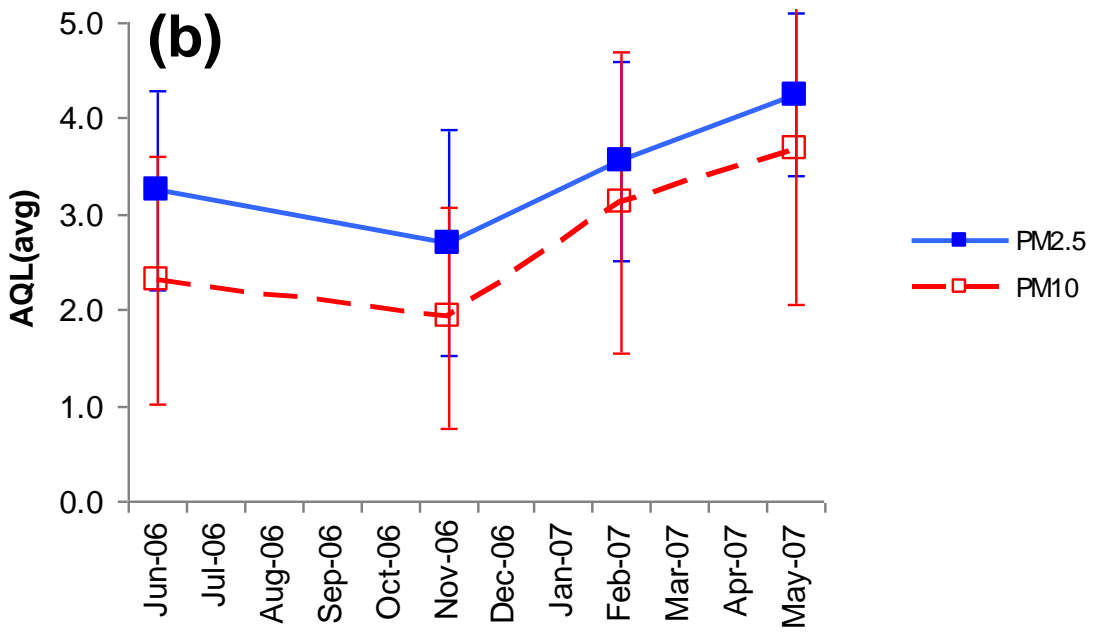
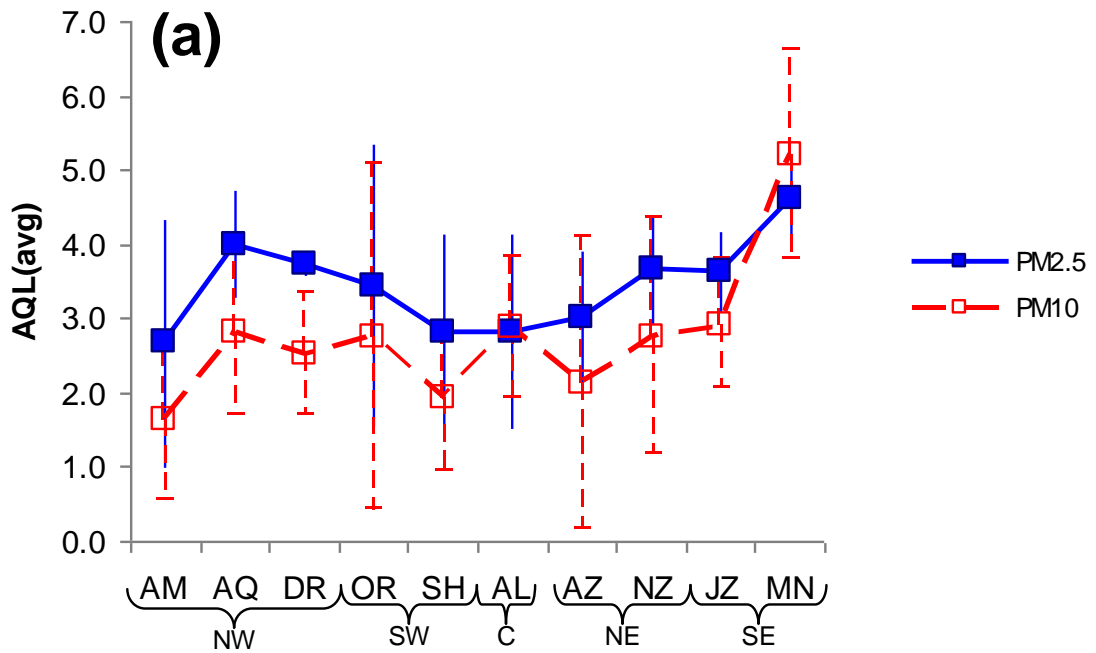


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