

## SUPPLEMENTARY MATERIAL

### Particulate matter monitoring and source apportionment of inside and outside schools in Port Harcourt, Nigeria

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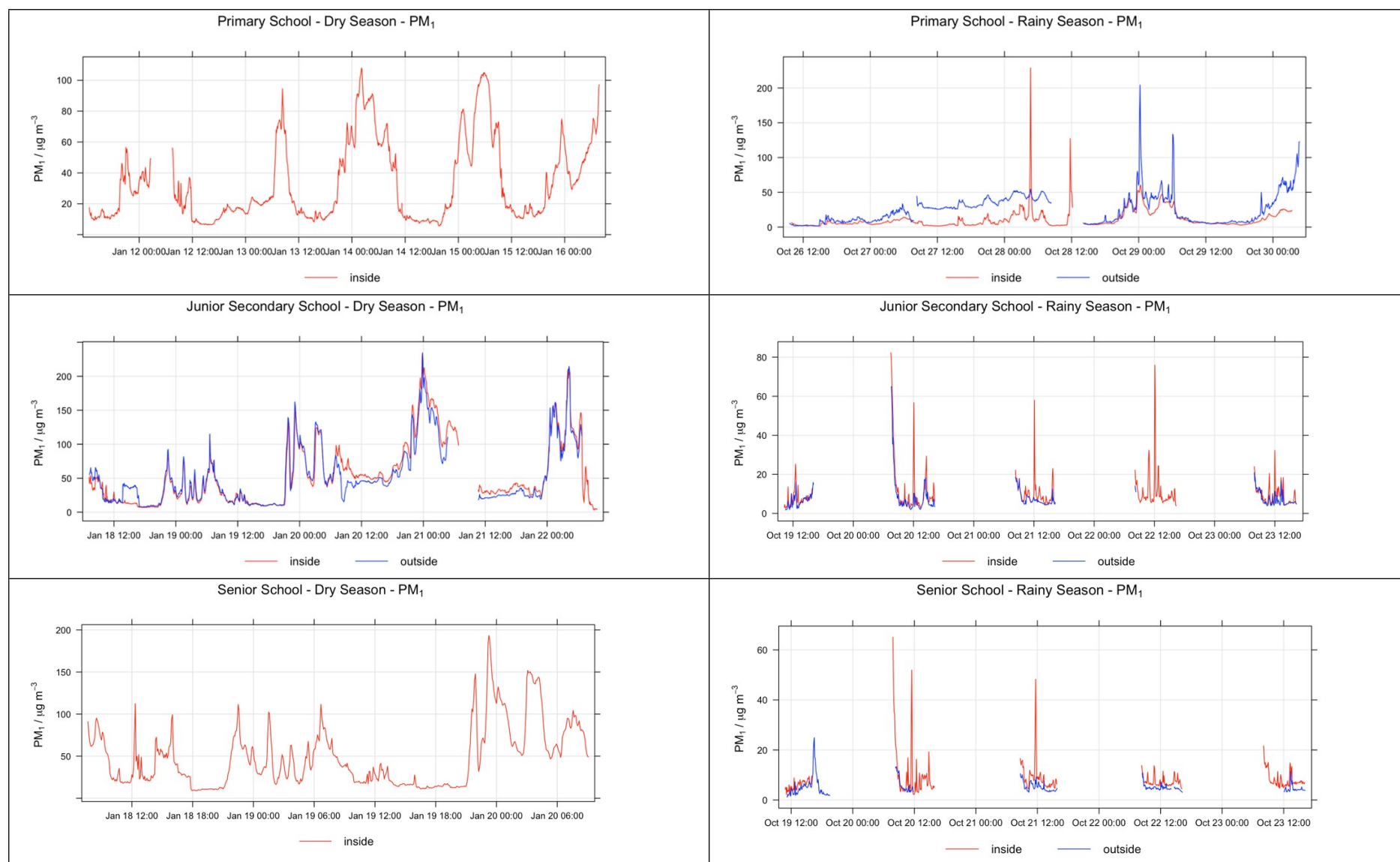


Figure S1. Trends in PM<sub>1</sub> mass concentrations for all studied schools, both inside and outside the school, for both seasons.

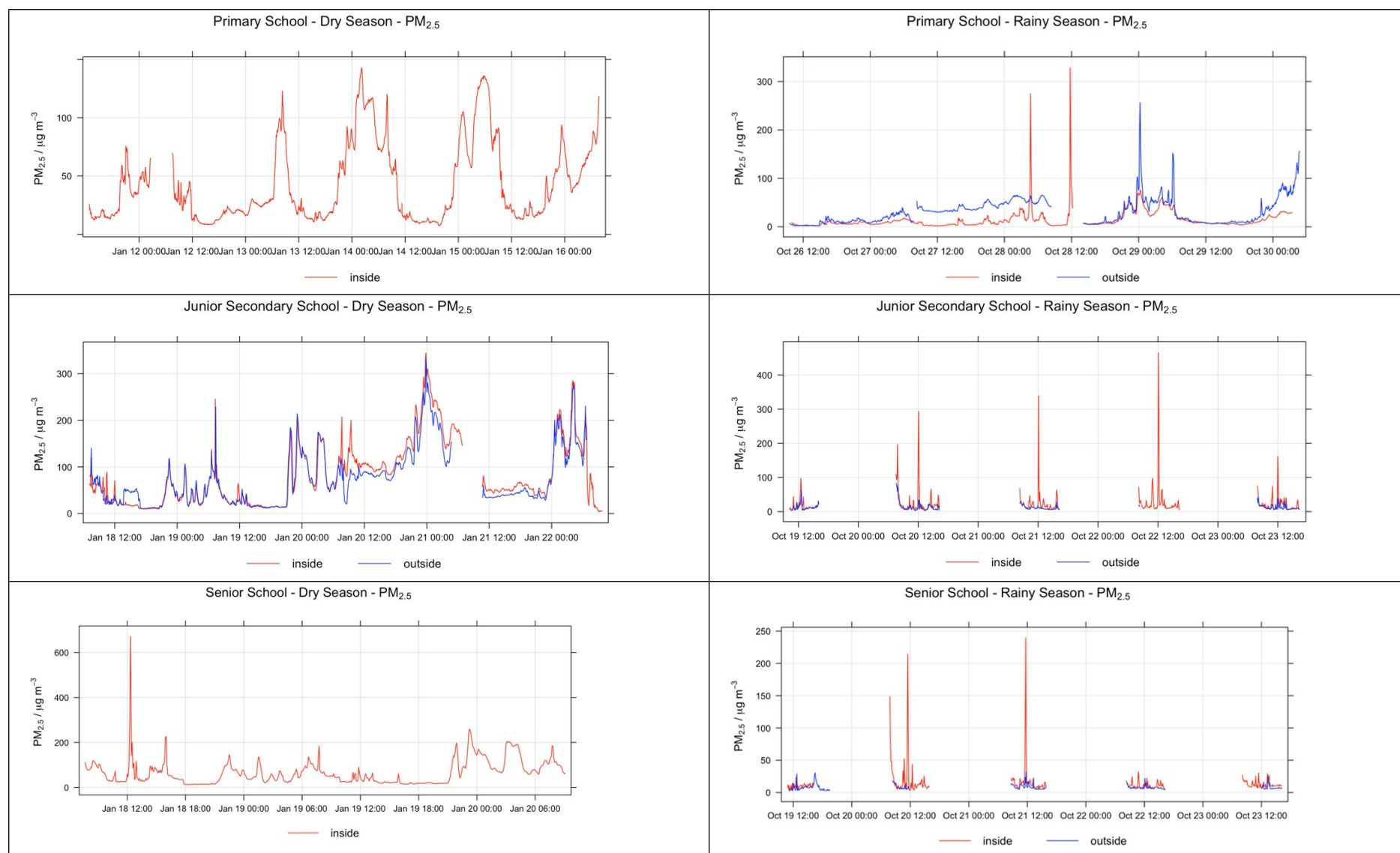


Figure S2. Trends in PM<sub>2.5</sub> mass concentrations for all studied schools, both inside and outside the school, for both seasons

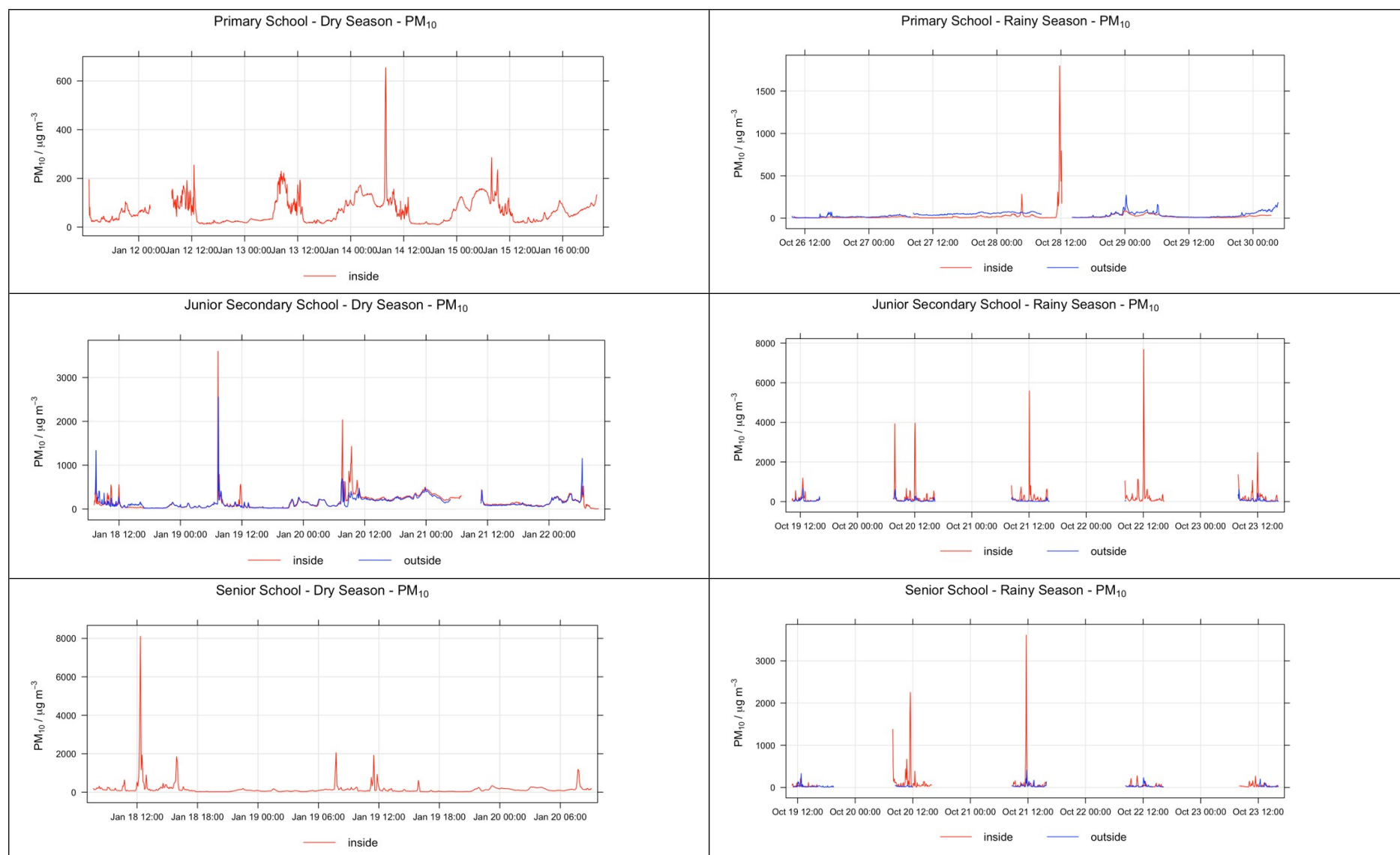


Figure S3. Trends in PM<sub>10</sub> mass concentrations for all studied schools, both inside and outside the school, for both seasons.

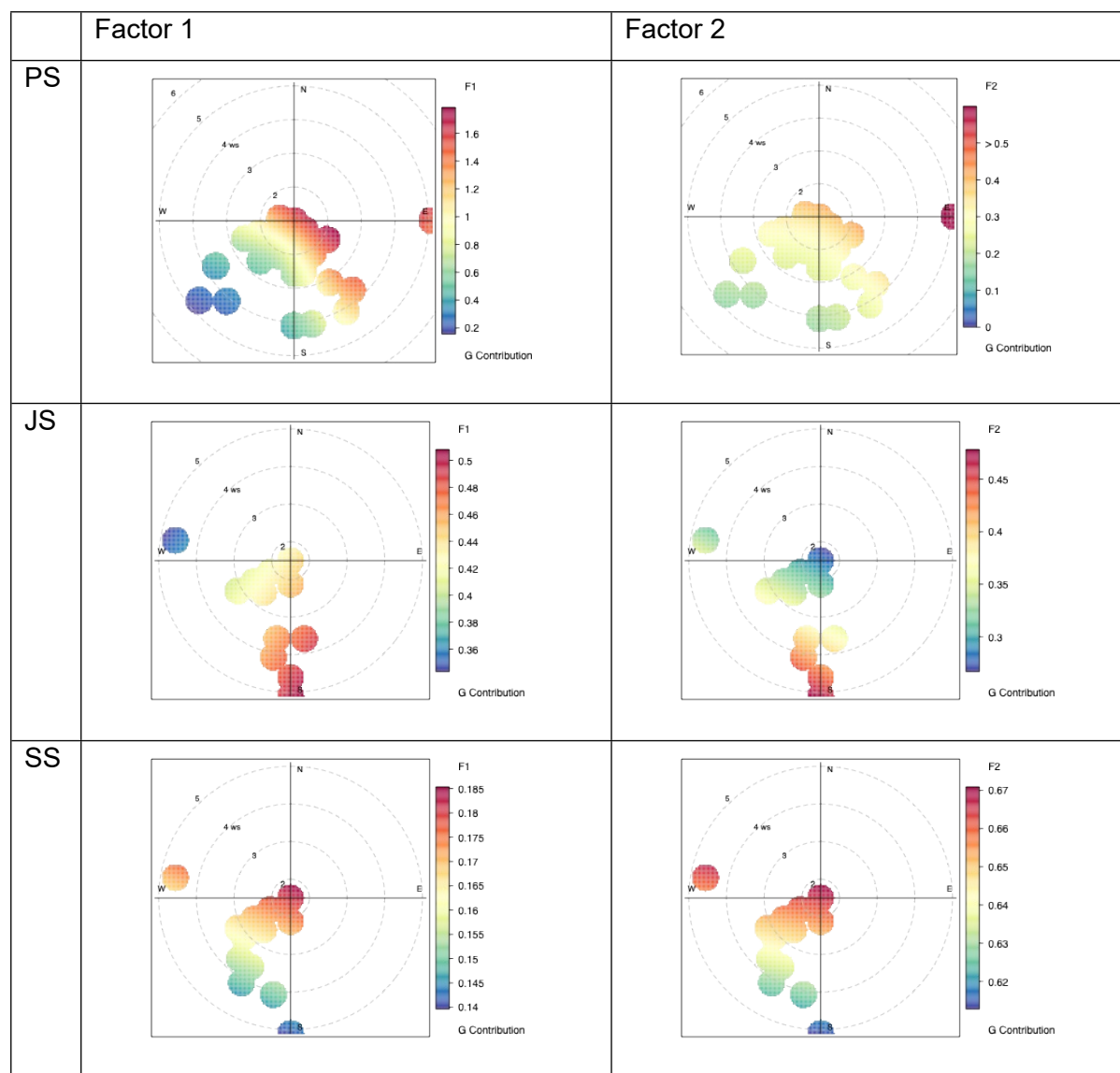


Figure S4. Polar of the contribution of the regional factors (factor 1 and factor 2) for the rainy season for all three schools studied.

Table S1. Distances between monitoring sites and individually identified pollution sources.

Sources	PS (m)	JS (m)	SS (m)
Boat Jetty	327	1020	1100
Cement Blocks Factory	854	215	98
Diesel powered electric generator	828	189	130
High Density Neighbourhood	143	137	180
Major Road	614	7	69
Primary School Playground	23	720	784
Secondary School Playground (Car parking space for drop-off/pick-up)	700	37	21
Smoke from combustion (suspected artisan refining, locally called "Kpo-fire"	545	240	96