

FIGURE 1

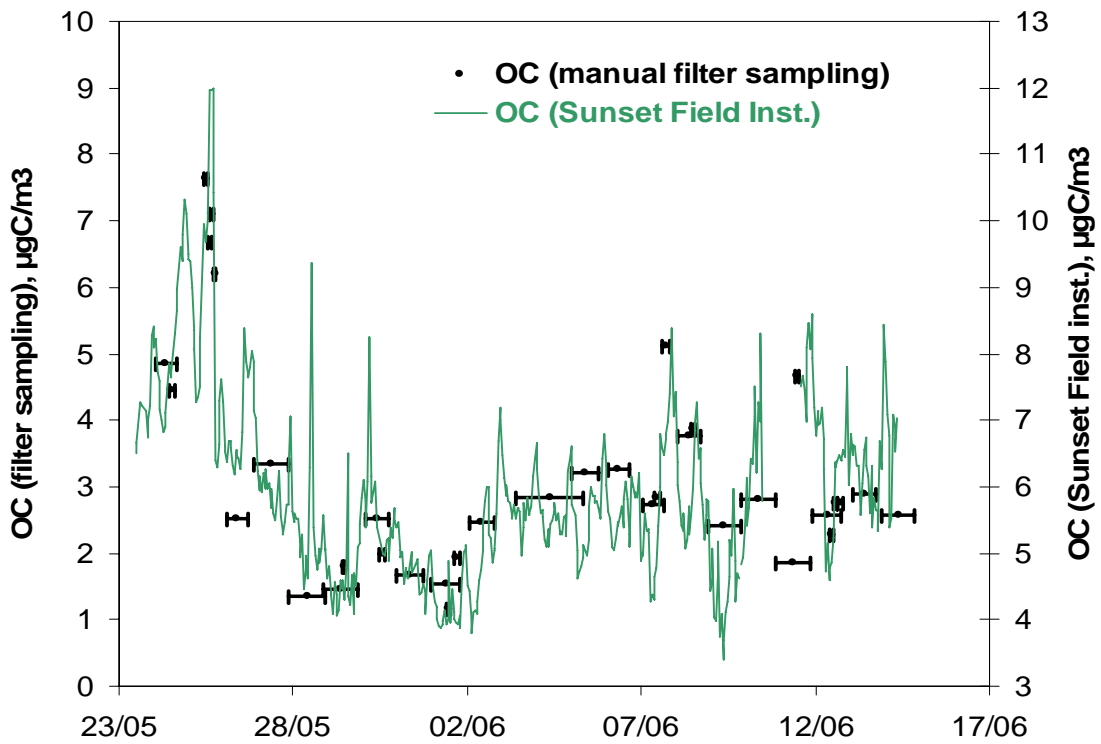


Figure 1: Temporal variations of OC (filter sampling) and uncorrected OC (Sunset Field Instrument)

FIGURE 2

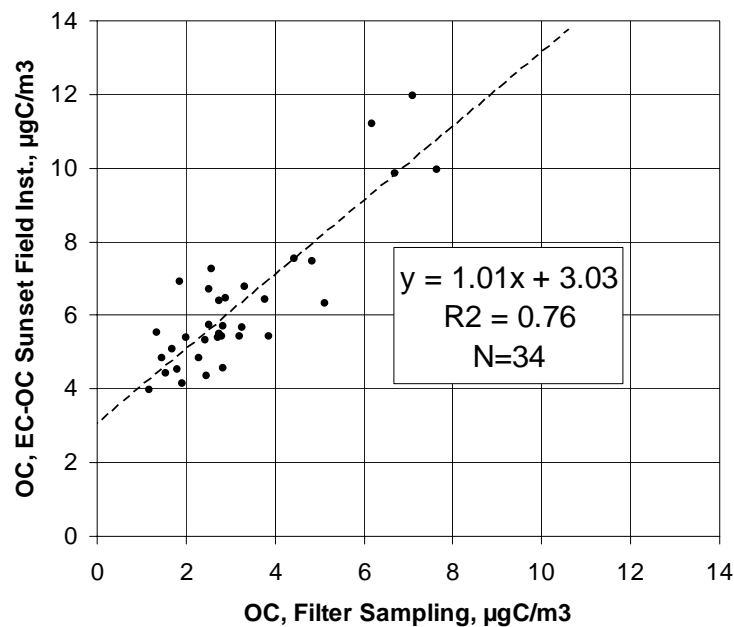


Figure 2: Correlation between OC (filter sampling) and OC (Sunset Field Instrument)

FIGURE 3

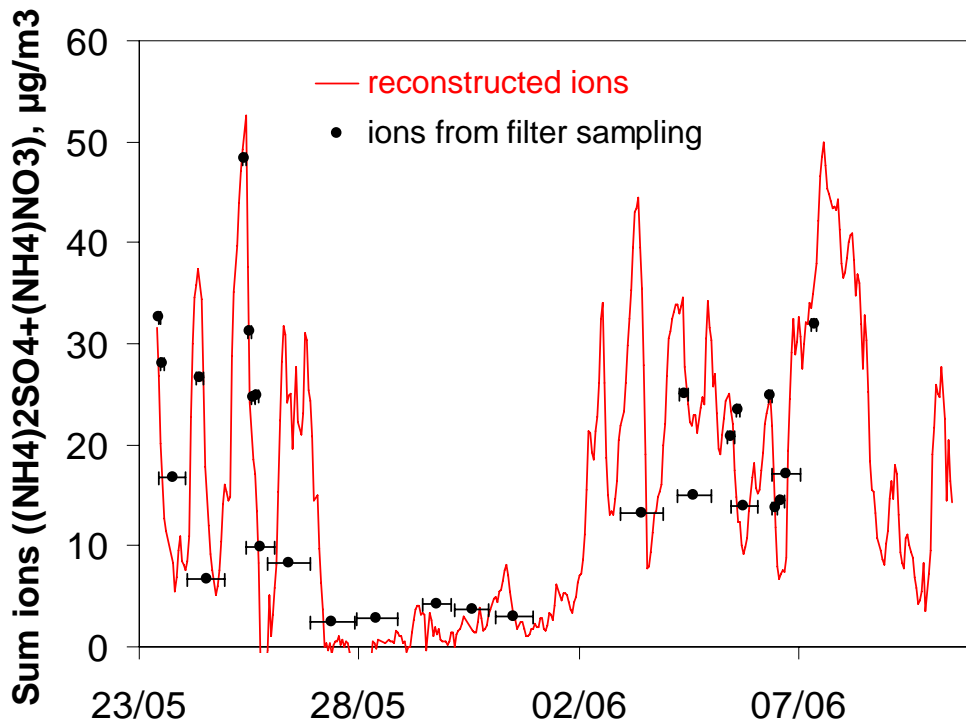


Figure 3: Temporal variations of ions (reconstructed from light scattering coeff.) and ions (filter sampling). [ions]=(NH4)2SO4+(NH4)NO3

FIGURE 4

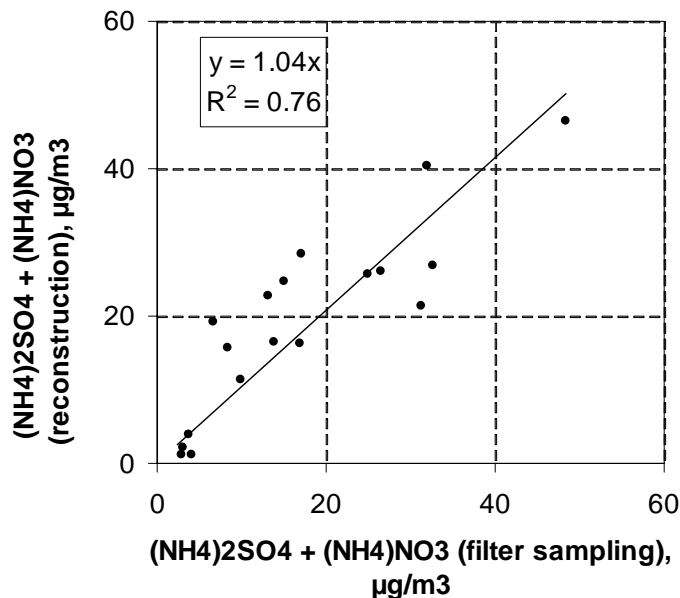


Figure 4: Correlation between ions (reconstructed from light scattering coeff.) and ions (filter sampling). [ions]=(NH4)2SO4+(NH4)NO3

FIGURE 5

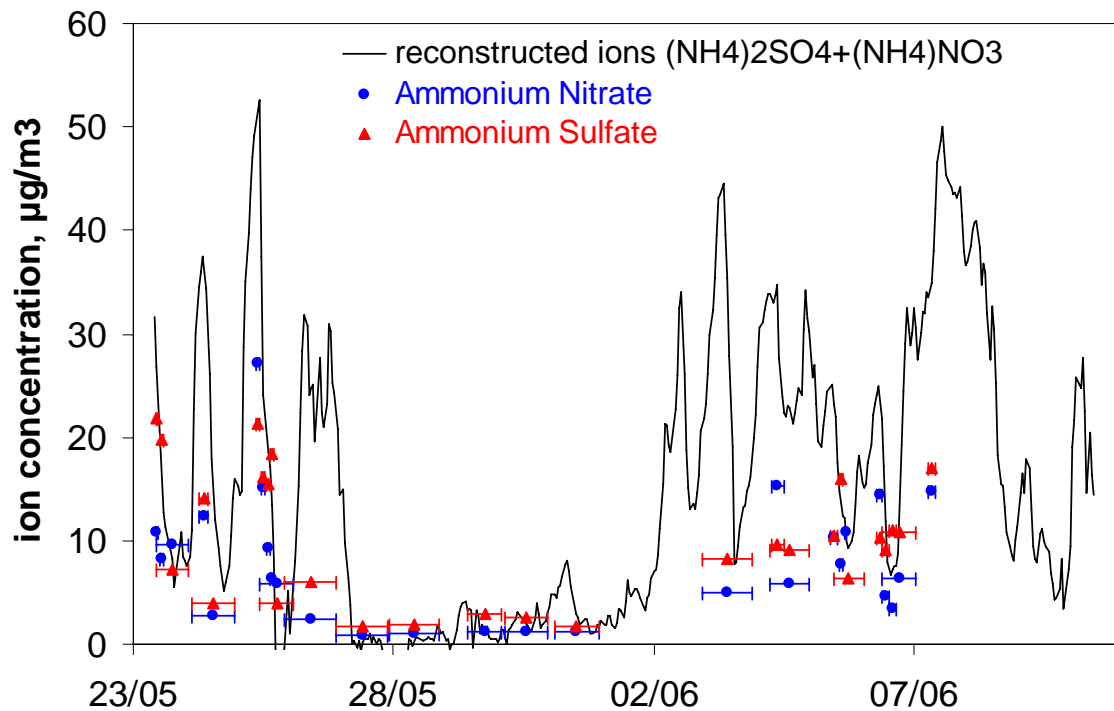


Figure 5: Temporal variations of ions (reconstructed from light scattering coeff.) and ions (Ammonium nitrate and Ammonium Sulfate) derived from the manual filter sampling.

FIGURE 6

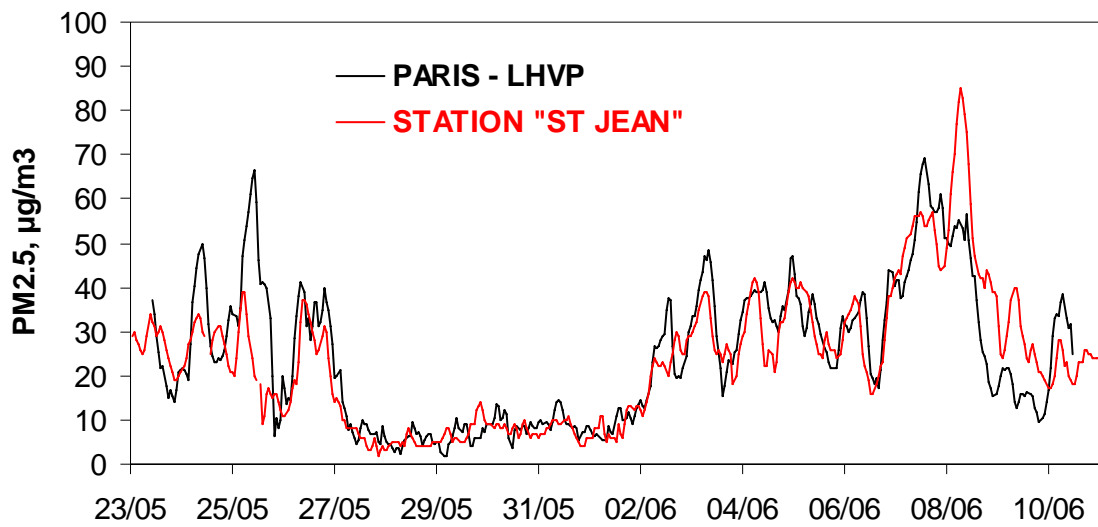


Figure 6: Temporal variations of PM_{2.5} (TEOM-FDMS) at Paris (LHVP) and St Jean. Time shifted by +3h for St Jean station.

FIGURE 7

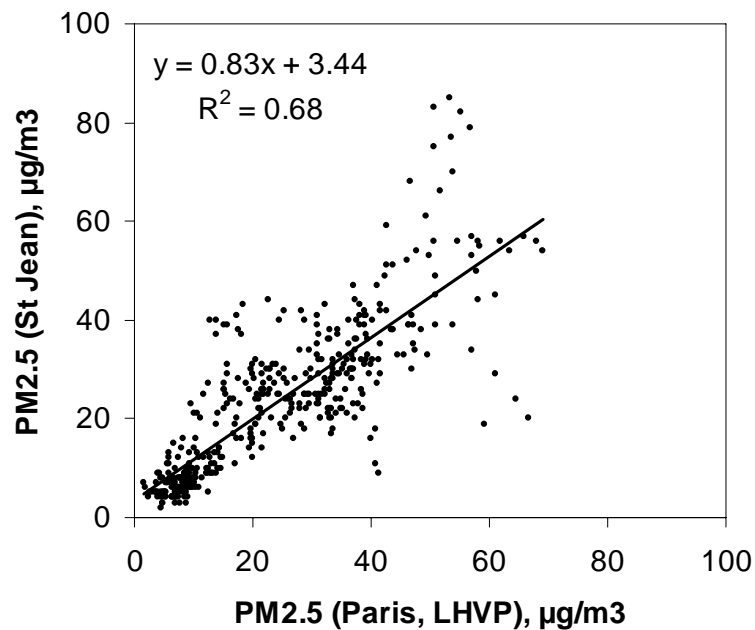


Figure 7: Correlation between the 2 previous dataset. Time shifted by +3h for St Jean station.

FIGURE 8

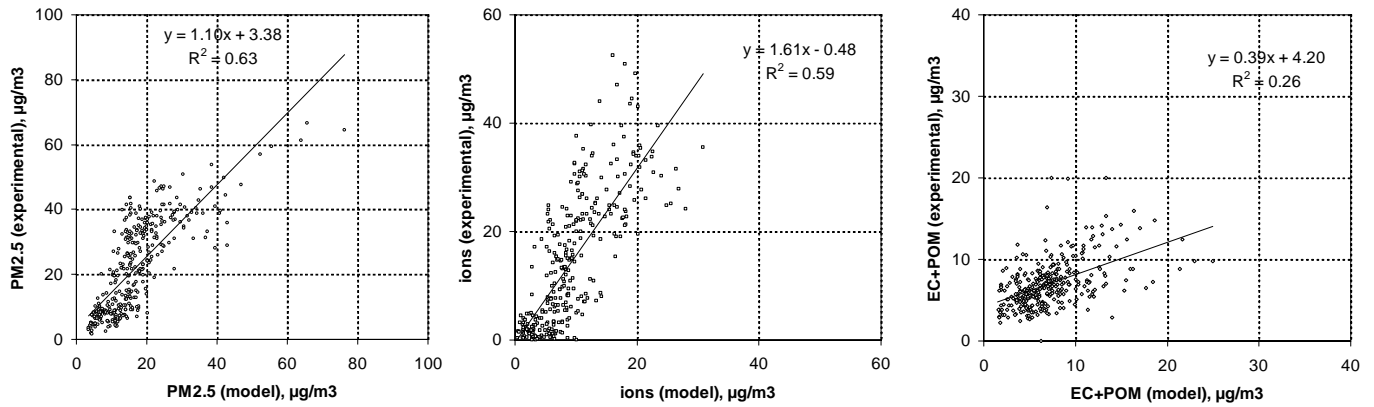


Figure 8: Scatter plot of PM2.5, ions, and carbonaceous matter (EC+POM) for model and experimental results. The outlier peak of EC (25/06) have been discarded.

FIGURE 9

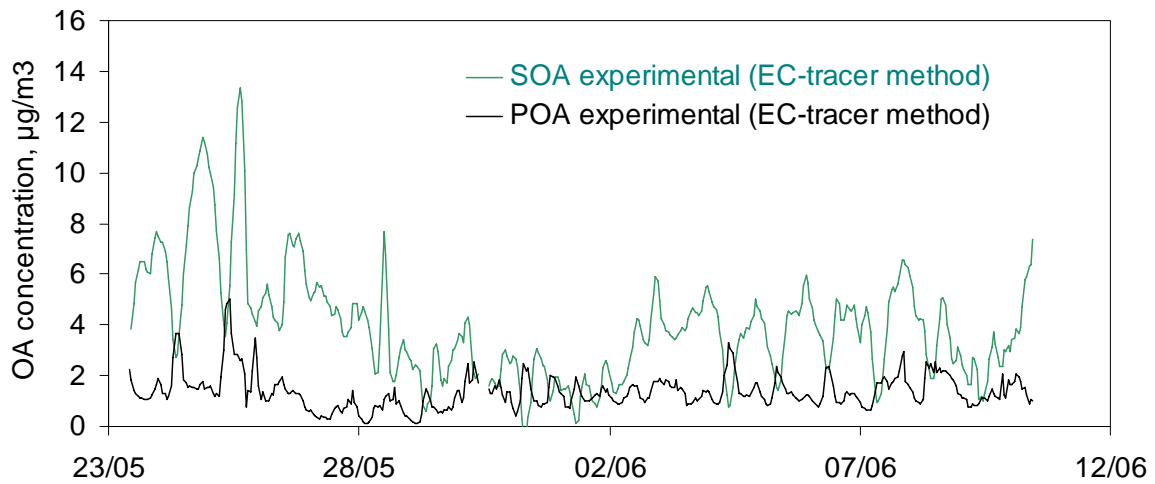


Figure 9: Temporal variations of SOA and POA experimentally determined by the EC-tracer method

FIGURE 10

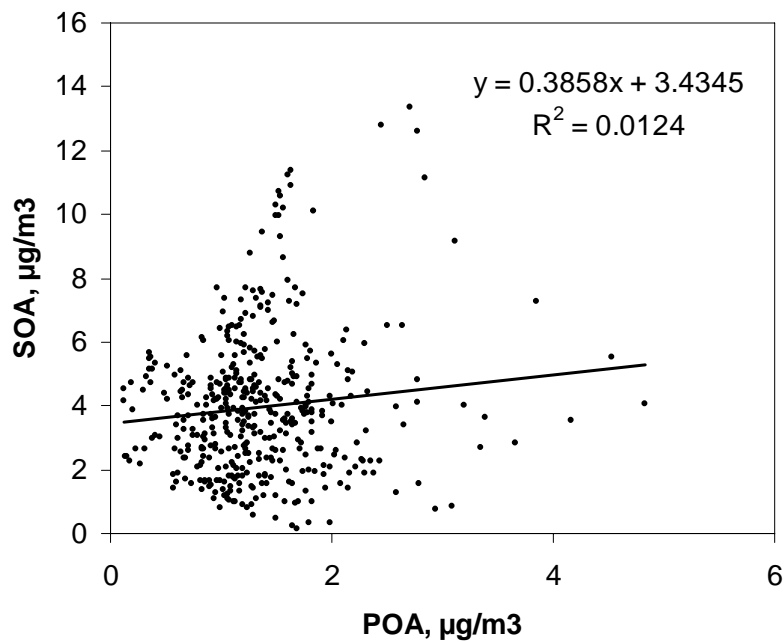


Figure 9: Scatter plot of POA versus SOA (EC-tracer method). Obtained from the 2 datasets displayed in Figure 9

FIGURE 11

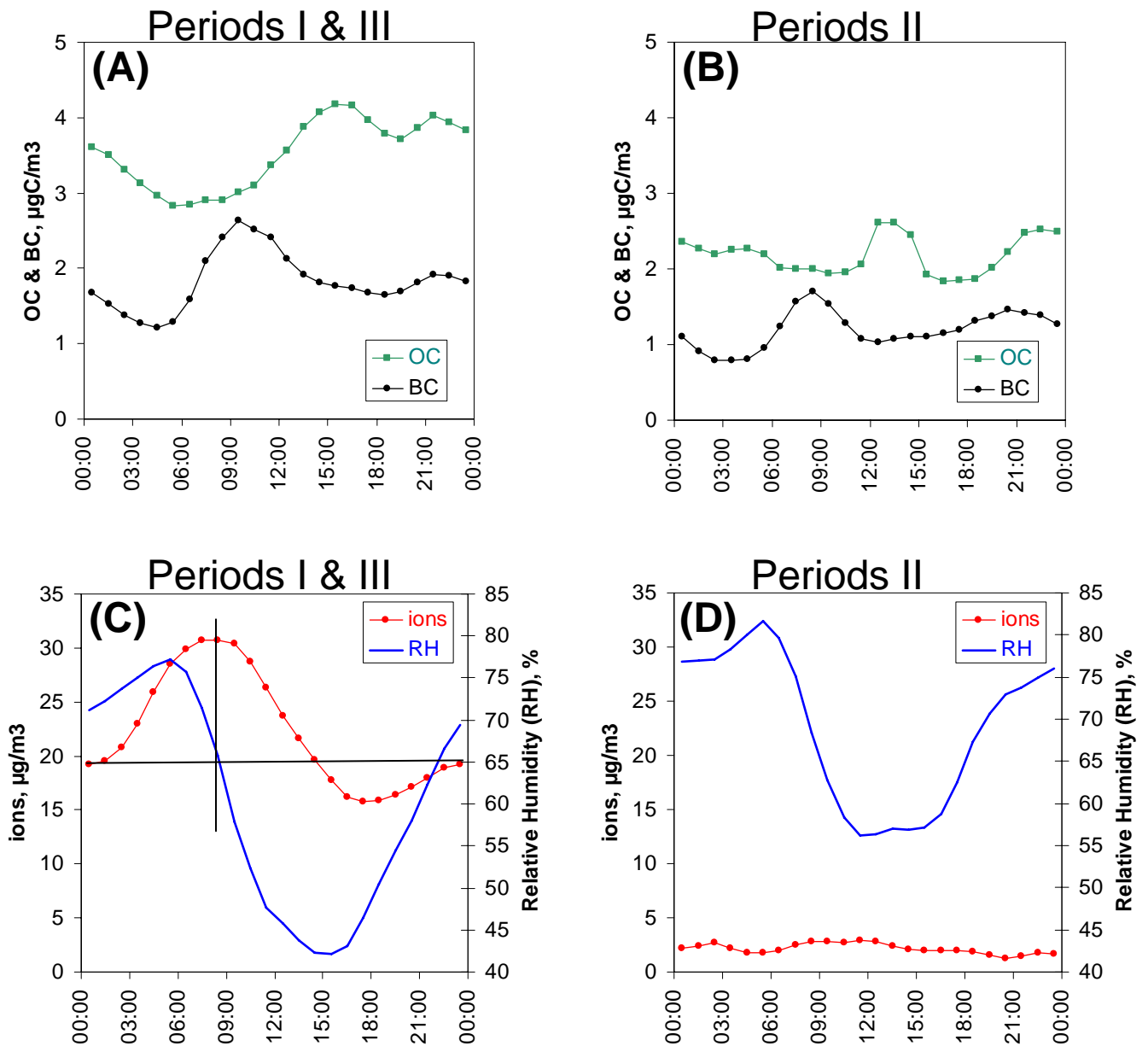


Figure 11: Temporal variations of OC and BC (Sunset Field Instrument) for the periods with continental air masses (A) and marine air masses (B). Temporal variations of ions (Ammonium Sulfate + Ammonium Nitrate) calculated experimentally and relative humidity for the periods with continental air masses (C) and marine air masses (D).