

# Recreating NAPS PM 2.5 Plots 2003-2008

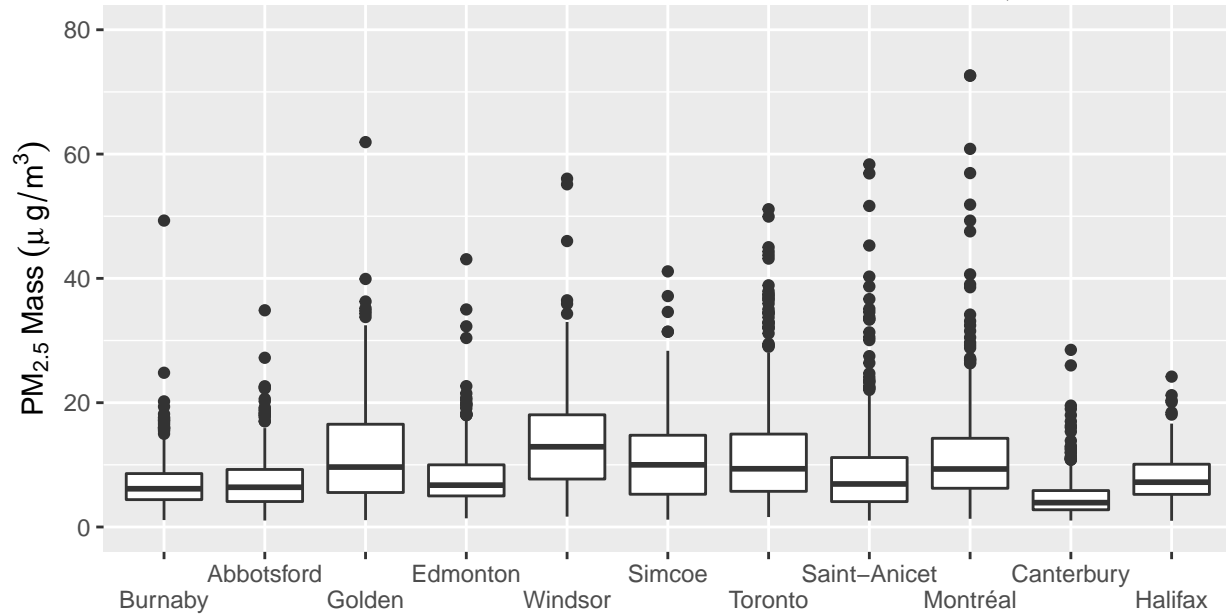
**Table 2: Number of samples by site**

There are differences in the number of observations for all cities.

station	city	number of samples	n_paper	diff
S100119	Burnaby	691	695	-4
S101004	Abbotsford	608	537	71
S103202	Golden	425	251	174
S30113	Halifax	161	177	-16
S40801	Canterbury	415	346	69
S50104	Montréal	622	554	68
S54401	Saint-Anicet	692	664	28
S60211	Windsor	373	267	106
S60427	Toronto	796	565	231
S62601	Simcoe	461	311	150
S90132	Edmonton	317	333	-16

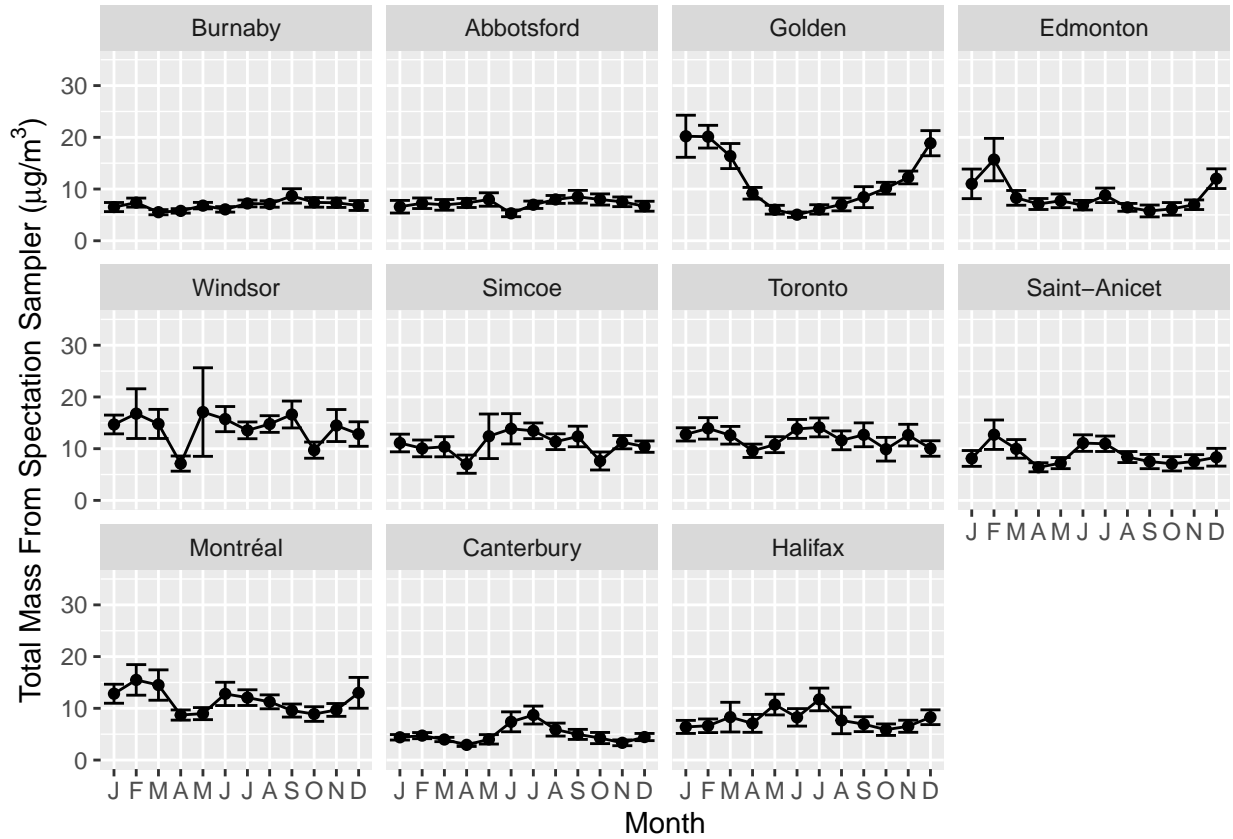
**Figure 2: Total  $PM_{2.5}$  mass by site**

There are differences from the boxplot in the paper - several outliers are missing (Burnaby, Edmonton)

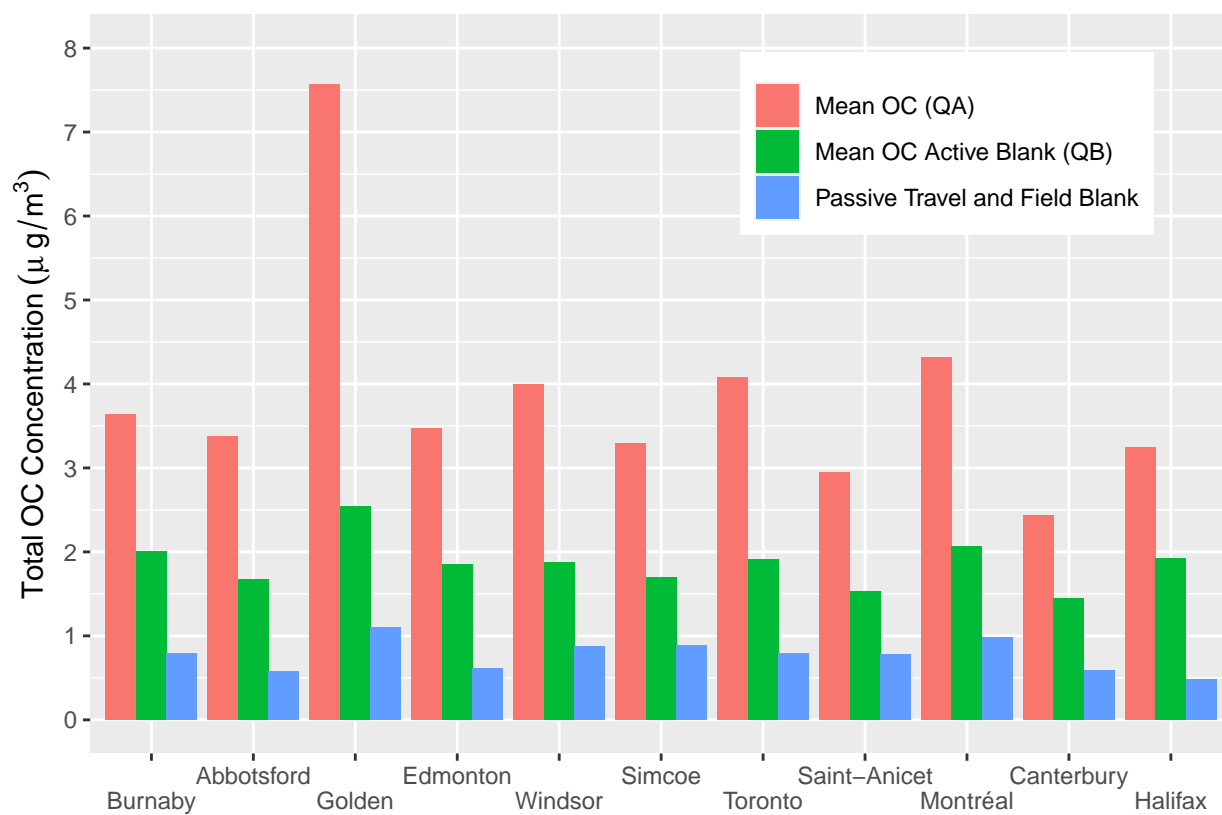


**Figure 3: Monthly mean  $PM_{2.5}$  mass by site**

Trends are similar, 90% CI differs from the paper.

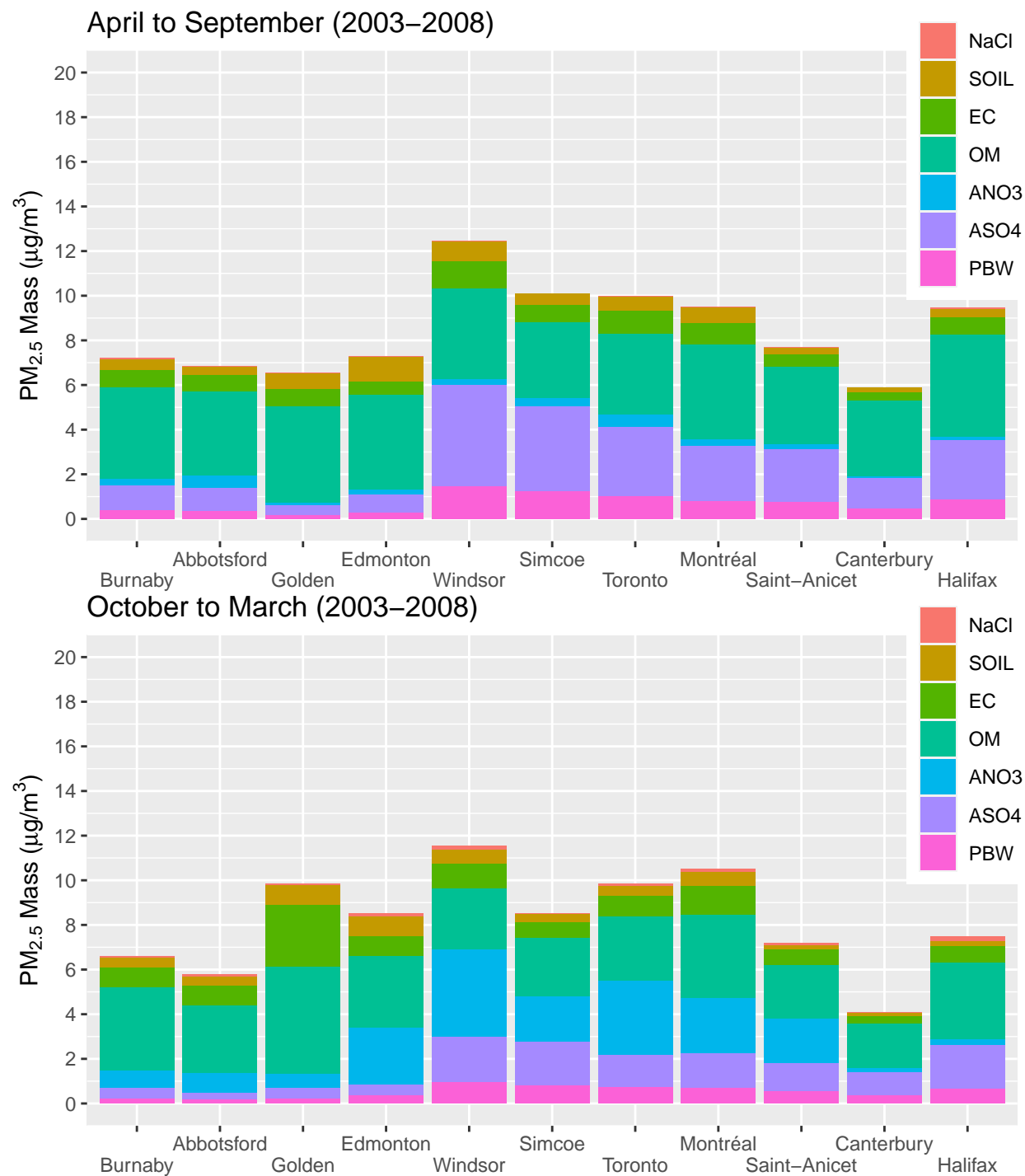


**Figure 4: Mean organic carbon (OC) by site**



**Figure 5: Reconstructed  $PM_{2.5}$  mass by major component and site**

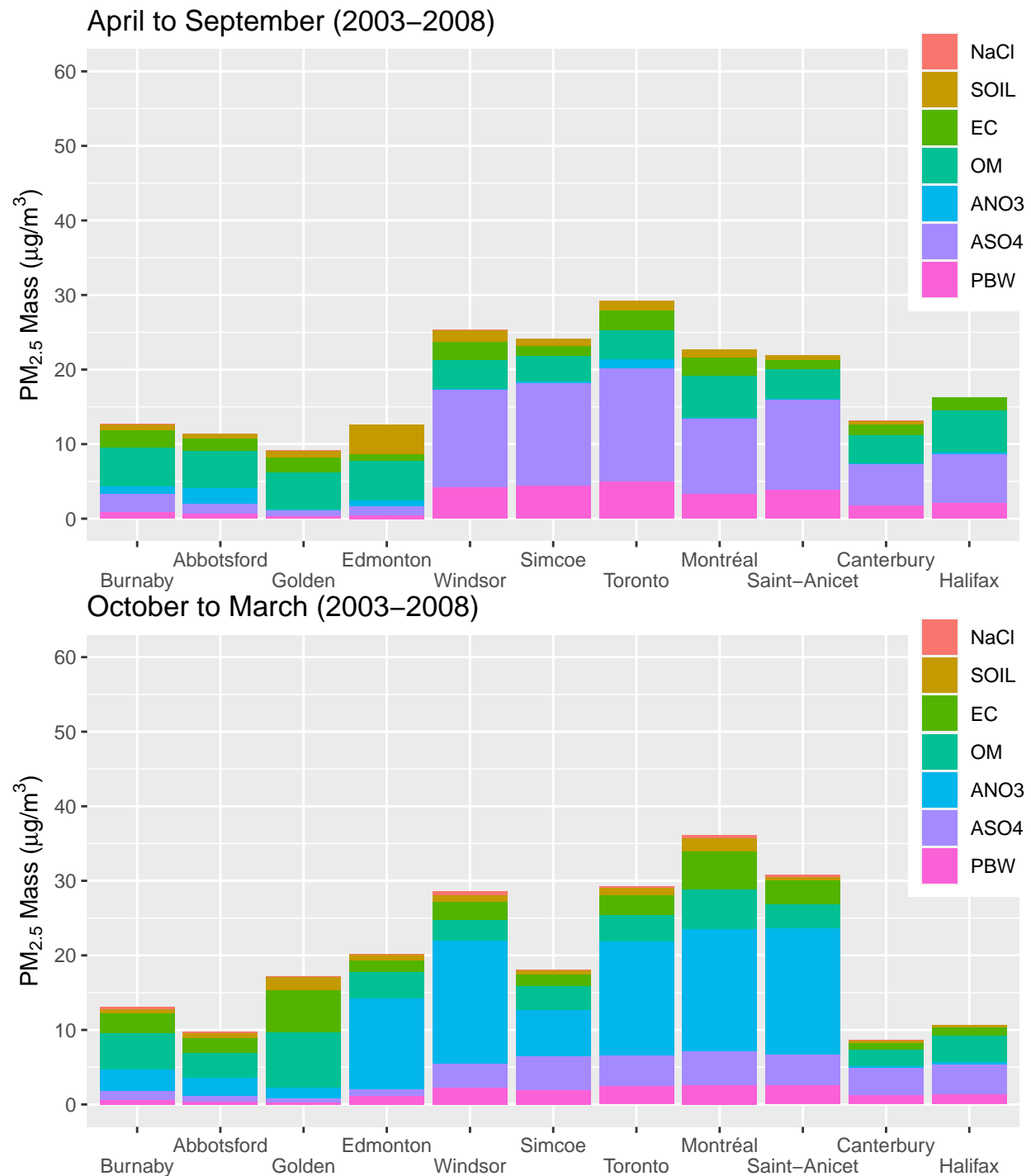
Large differences from the paper - PBW, ASO4, OM



**Figure 6: Reconstructed  $PM_{2.5}$  mass by 10 highest mass days and site**

Large differences from the paper - PBW, ASO4, OM

## Warning: Removed 1 rows containing missing values (position\_stack).



**Figure 7: Median ammonium sulphate and ammonium nitrate concentrations by site and month**

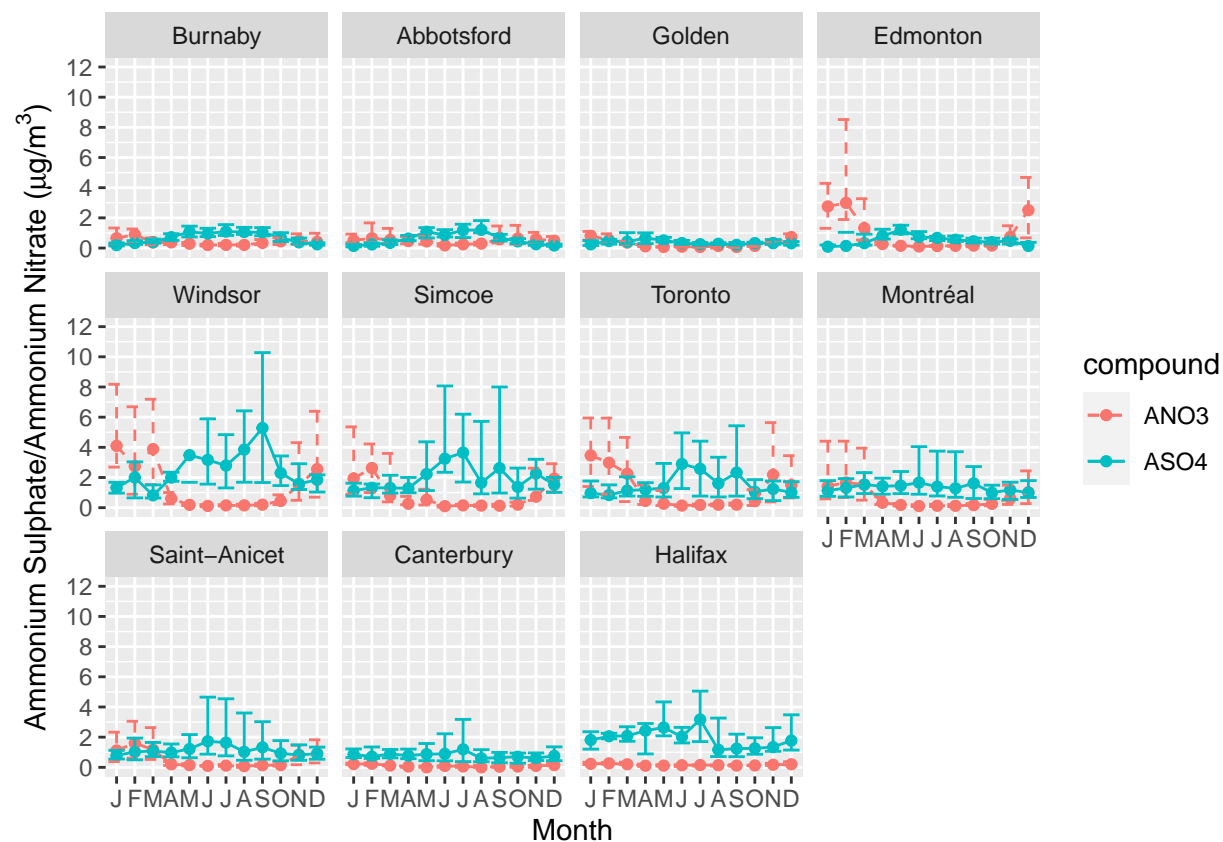
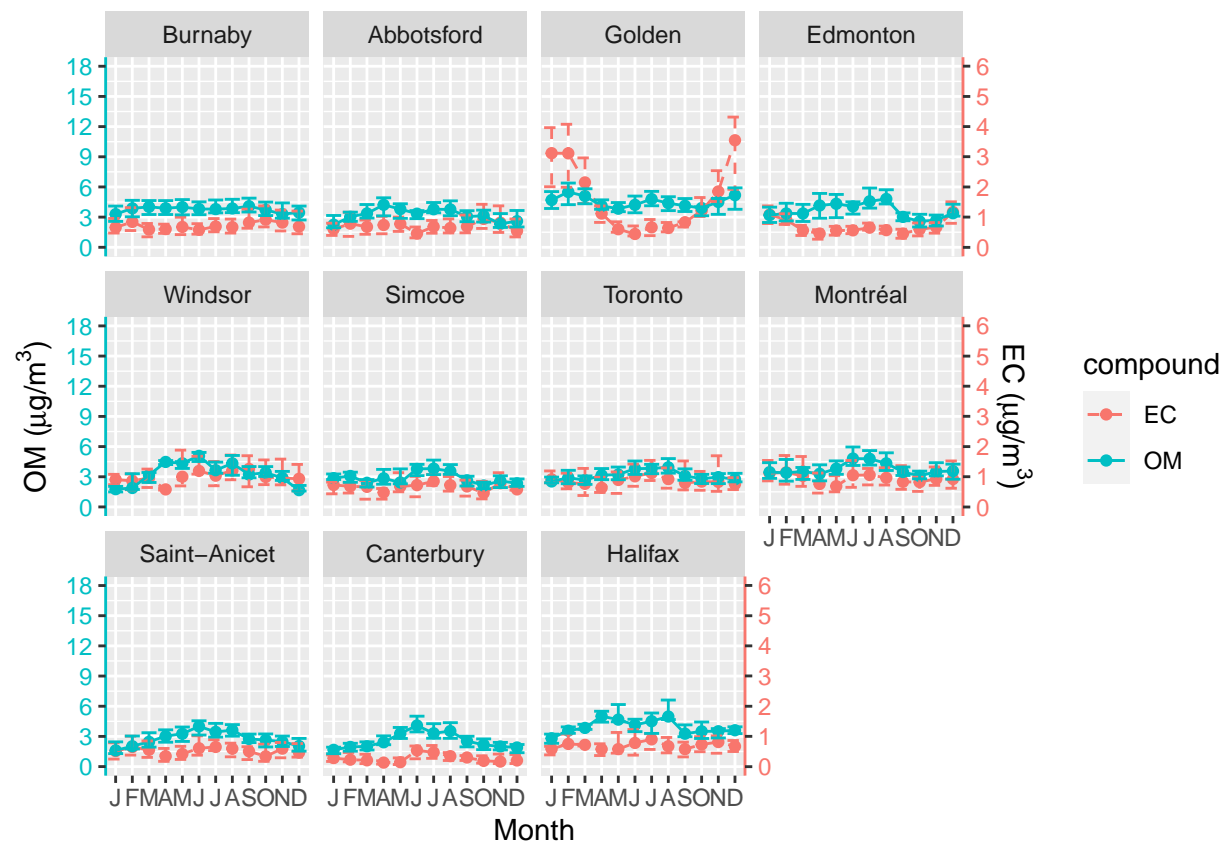


Figure 8: Median elemental carbomn (EC) and organic matter (OM) concentrations by site and month



**Figure 9: Median soil and sodium chloride concentrations by site and month**

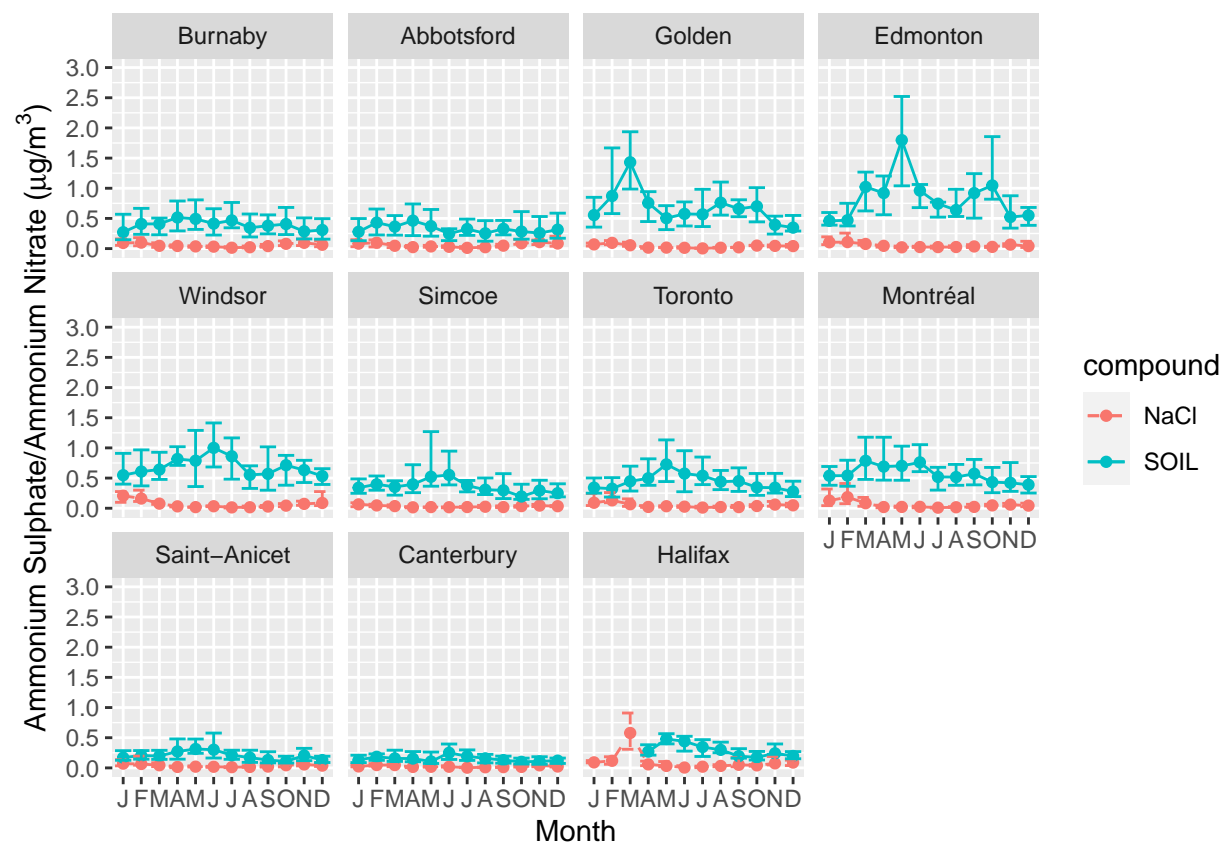




Figure 10: Ammonia mixing ratio by site and month

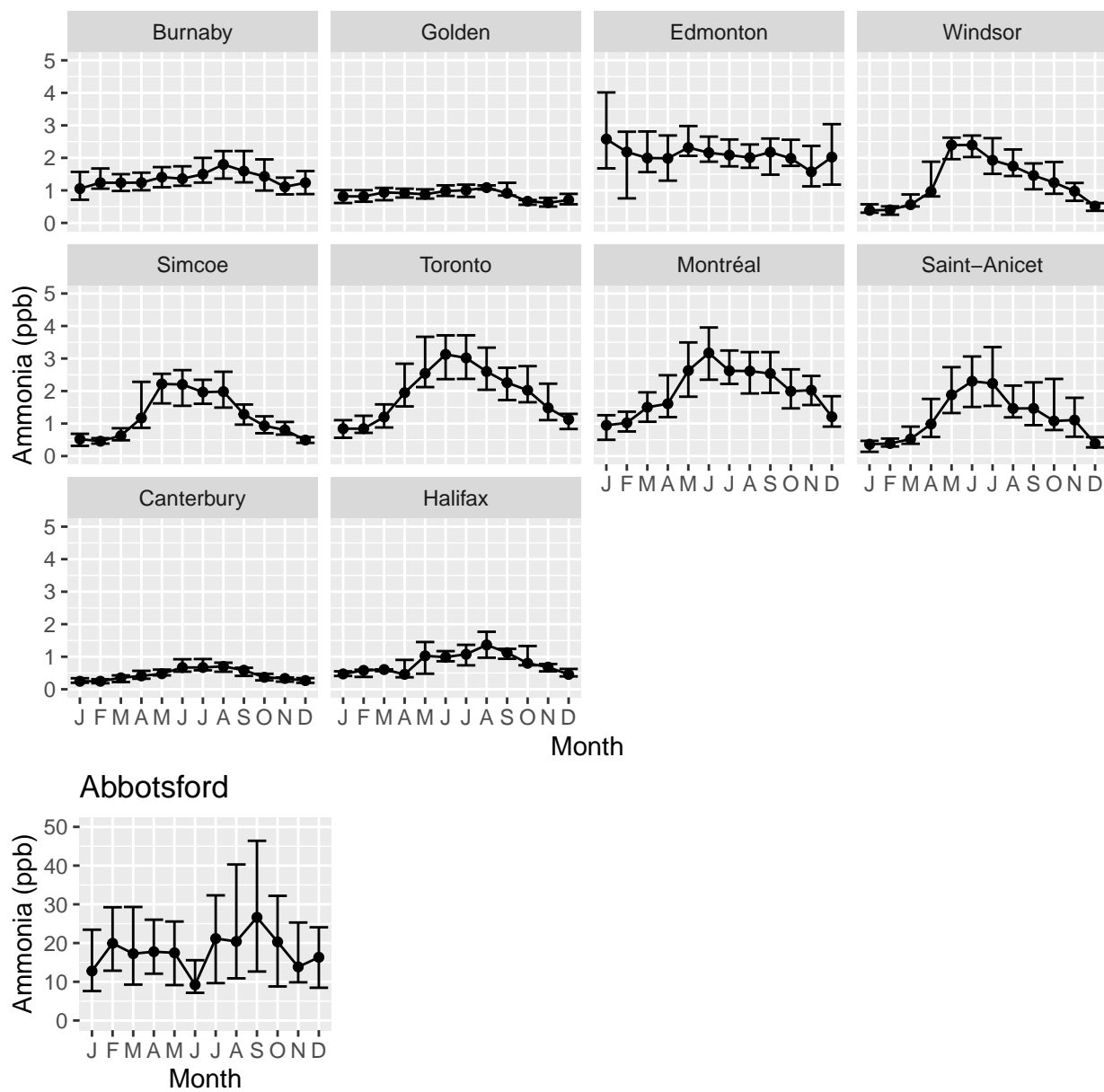


Figure 11: Median sulphur dioxide mixing ratio and nitric acid concentrations by site and month

