NAPS PM 2.5 Plots 2003-2019

Total $PM_{2.5}$ mass by site

```
## pdf
##   2
```

Monthly mean $PM_{2.5}$ mass by site

```
## pdf
##   2
```

Mean organic carbon (OC) by site

```
## pdf
##   2
```

Reconstructed $PM_{2.5}$ mass by major component and site

When calculating the major components, observations from the spectation sampler were used. For a given day, if the spectation observations were missing, and the site had pm 2.5 sampler observations (PM2.5 Manual Air Sampler) was used. This affected the observations for Montreal and Canterbury from 2010-2019.

```
## pdf
##   2
```

Reconstructed $PM_{2.5}$ mass by 10 highest mass days and site

To generate the following figure, the days with the largest $PM_{2.5}$ mass that had observations for all reconstructed components were used. (i.e. there were days that had larger masses than used, but were missing observations)

For July 2010 - 2019, Golden, Montreal and Canterbury contained at least one missing observation each day.

```
## pdf
##   2
```

Median ammonium sulphate and ammonium nitrate concentrations by site and month

```
## pdf
##   2
```

Median elemental carbon (EC) and organic matter (OM) concentrations by site and month

```
## pdf
##   2
```

Median soil and sodium chloride concentrations by site and month

```
## pdf
##   2
```

Ammonia mixing ratio by site and month

```
## pdf
##   2

## pdf
##   2
```

Median sulphr dioxide mixing ratio and nitric acid concentrations by site and month

```
## pdf
##   2
```

References