

## **Supplementary Information**

### **Size-Resolved Aerosol Chemistry on Whistler Mountain, Canada with a High-Resolution Aerosol Mass Spectrometer during INTEX-B**

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Figure S1. Ionization efficiency (IE), air beam (AB) signal ( $N_2^+$ ) and IE/AB ratios determined from IE calibrations during the entire study.

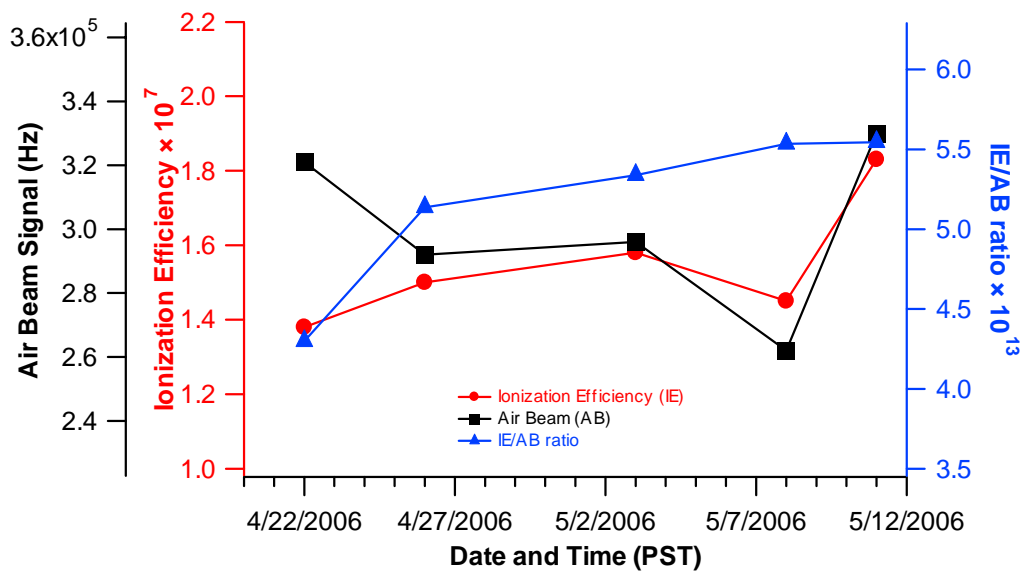


Figure S2. Diurnal patterns of NR-PM<sub>1</sub> species, gaseous pollutants and metrological parameters during 16 April – 17 May 2006 at Whistler Peak. The upper and lower boundaries of the box indicate the 75th and the 25th percentiles, the line within the box marks the median, and the whiskers above and below the box indicate the 90th and 10th percentiles. Cross symbols represent the means.

