Supplementary material

Figure S1: Sand and dust deposition on the glacier surface and the quick melting of snow and ice during the daytime.

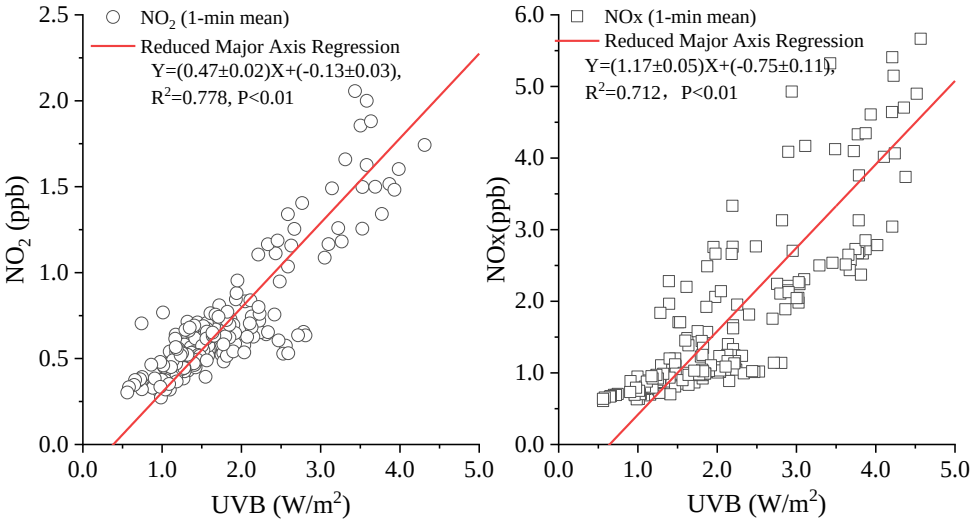

Figure S2: Correlations between NO_2 (NOx) and UVB radiation levels during 12:00-18:00 on 26 August 2004. Reduced major axis regression was used.

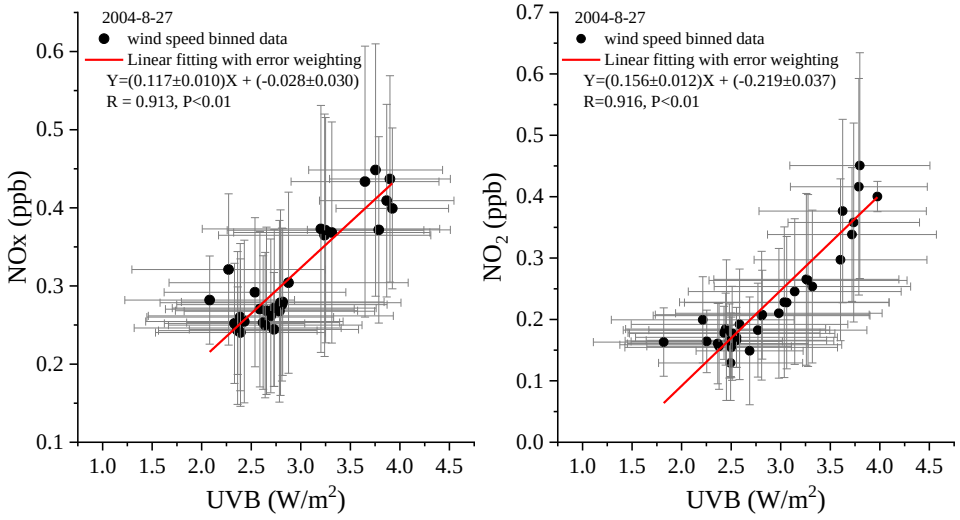

Figure S3: Correlations between NOx (NO_2) and UVB radiation levels under different wind speed bins (0.5 m/s as an interval) on 27 August 2004.

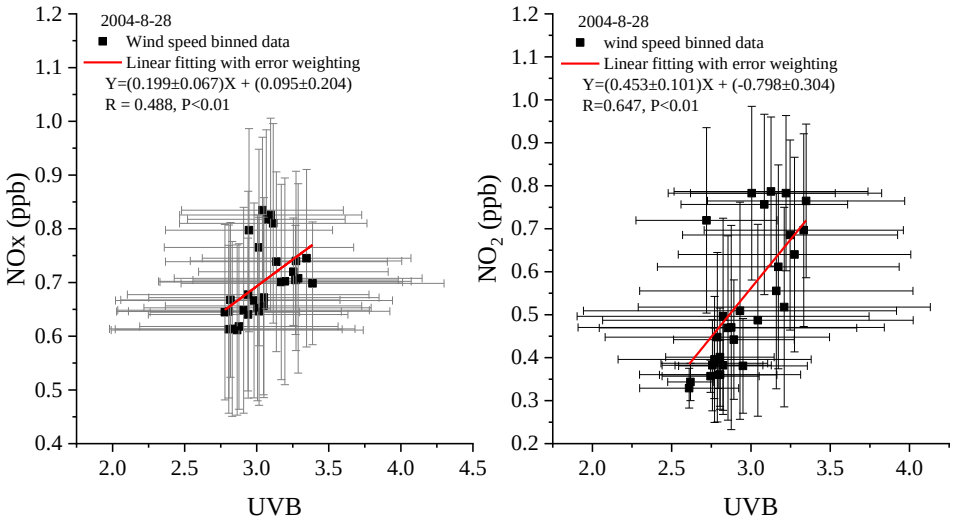

Figure S4: Correlations between NOx (NO_2) and UVB radiation levels under different wind speed bins (0.5 m/s as an interval) on 28 August 2004.

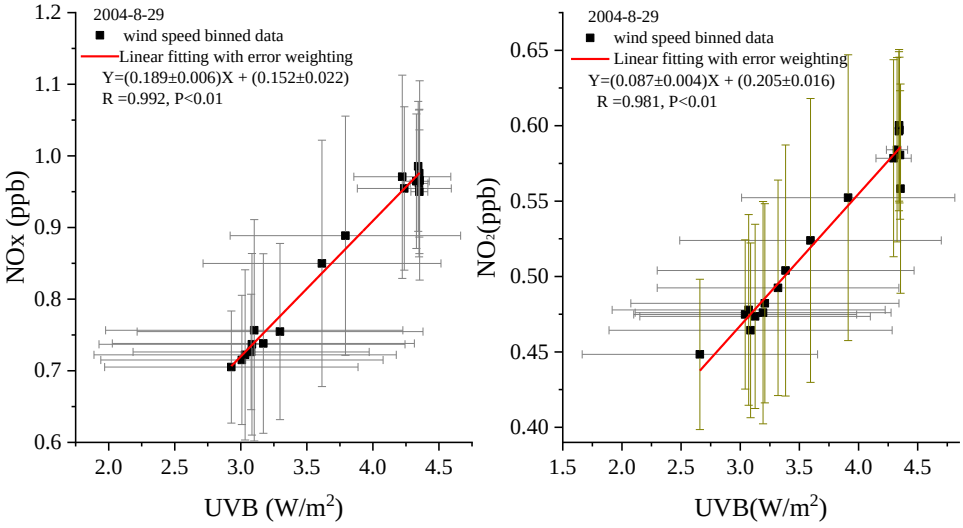

Figure S5. Correlations between NOx (NO_2) and UVB radiation levels under different wind speed bins (0.5 m/s as an interval) on 29 August 2004.

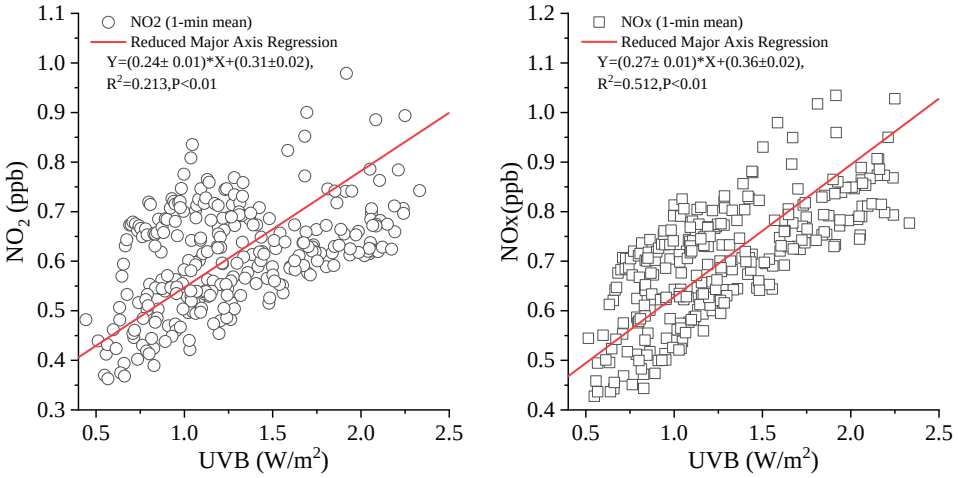

Figure S6. Correlations between NOx (NO_2) and UVB during 12:00-18:00 on 30 August 2004. Reduced major axis regression was used.