Supplementary Material

Figure S1: Diurnal variations of HONO_{corr}/NO_{2}.
Figure S2: Correlations between $J(\text{HONO}) \times \text{HONO}$ and $J(\text{NO}_2) \times \text{NO}_2$. 
Figure S3: Diurnal profile of the measured values of HONO and the value estimated using the parameterized formula.
Figure S4: Diurnal variations of $J(O^1D)$. 
Figure S5: Diurnal variations of $J$(HONO).