

Parameter	Background	Clean	Polluted
Temperature ( $^{\circ}\text{C}$ )	$-10.2 \pm 6.3$	$-4.0 \pm 4.9$	$-3.9 \pm 4.4$
Pressure (hPa)	$1025 \pm 4$	$1015 \pm 4$	$1012 \pm 6$
RH (%)	$19.6 \pm 8.3$	$29.5 \pm 11.7$	$46.3 \pm 17.2$
Wind speed ( $\text{m s}^{-1}$ )	$3.7 \pm 1.6$	$2.4 \pm 1.3$	$1.9 \pm 0.8$
$j(\text{O}^1\text{D})$ ( $10^{-5} \text{ s}^{-1}$ )	$0.67 \pm 0.24$	$0.63 \pm 0.23$	$0.56 \pm 0.29$
$j(\text{NO}_2)$ ( $10^{-3} \text{ s}^{-1}$ )	$6.52 \pm 0.78$	$6.04 \pm 0.63$	$4.23 \pm 1.66$
OH ( $10^6 \text{ cm}^{-3}$ )	$2.73 \pm 1.19$	$3.58 \pm 2.32$	$2.36 \pm 0.74$
HO <sub>2</sub> ( $10^8 \text{ cm}^{-3}$ )	$1.04 \pm 0.62$	$0.93 \pm 0.72$	$0.52 \pm 0.23$
RO <sub>2</sub> ( $10^8 \text{ cm}^{-3}$ )	$0.70 \pm 0.34$	$0.76 \pm 0.46$	$0.71 \pm 0.41$
O <sub>3</sub> (ppb)	$34.7 \pm 4.7$	$27.9 \pm 9.0$	$11.6 \pm 10.1$
NO (ppb)	$0.30 \pm 1.61$	$2.06 \pm 7.93$	$9.27 \pm 12.54$
NO <sub>2</sub> (ppb)	$2.0 \pm 4.0$	$10.3 \pm 13.6$	$32.5 \pm 15.1$
HONO (ppb)	$0.05 \pm 0.05$	$0.23 \pm 0.24$	$0.98 \pm 0.90$
CO (ppm)	$0.22 \pm 0.22$	$0.33 \pm 0.19$	$1.19 \pm 0.70$
HCHO (ppb)	$0.47 \pm 0.38$	$1.29 \pm 0.69$	$2.41 \pm 0.97$
$k_{\text{OH}}$ ( $\text{s}^{-1}$ )	$5.4 \pm 3.7$	$10.1 \pm 5.6$	$26.9 \pm 9.5$
PM <sub>2.5</sub> ( $\mu\text{g m}^{-3}$ )	$0 \pm 20$	$6 \pm 15$	$55 \pm 36$
Dates	01.22, 01.23, 02.23	01.06, 01.07, 01.10, 01.11, 01.03, 01.24, 01.25, 01.26, 01.31, 02.01, 02.20, 02.24, 02.25, 02.26, 02.27, 02.28, 02.29	01.15, 01.16, 01.20, 01.21, 01.27, 01.28, 01.29, 02.21, 03.01, 03.02, 03.03, 03.04