

Parameter	NPF1 event days	NPF2 event days	NPF3 event days	NPF4 event days	Non-event days
CS ( $\text{s}^{-1}$ )	$0.12 \pm 0.02$	$0.09 \pm 0.02$	$0.08 \pm 0.01$	0.12	$0.07 \pm 0.04$
$J_3$ ( $\text{cm}^{-3} \text{s}^{-1}$ )	5.0	$11.4 \pm 4.9$	$6.4 \pm 1.4$	8.1	–
GR <sub>1.5–3</sub> ( $\text{nm h}^{-1}$ )	5.0	$3.7 \pm 1.6$	$1.9 \pm 0.6$	2.8	–
PM <sub>1</sub> ( $\mu\text{g m}^{-3}$ )	$9.7 \pm 1.4$	$12.9 \pm 2.8$	$5.9 \pm 0.7$	9.8	$6.4 \pm 3.6$
SO <sub>4</sub> ( $\mu\text{g m}^{-3}$ )	$2.9 \pm 0.7$	$3.3 \pm 1.0$	$1.9 \pm 0.3$	3.1	$1.9 \pm 1.3$
NH <sub>4</sub> ( $\mu\text{g m}^{-3}$ )	$1.9 \pm 0.4$	$2.1 \pm 0.6$	$1.2 \pm 0.2$	1.8	$1.2 \pm 0.8$
NO <sub>3</sub> ( $\mu\text{g m}^{-3}$ )	$0.5 \pm 0.2$	$0.7 \pm 0.2$	$0.3 \pm 0.1$	0.3	$0.3 \pm 0.1$
OM ( $\mu\text{g m}^{-3}$ )	$4.3 \pm 0.4$	$6.8 \pm 1.5$	$2.6 \pm 0.3$	4.5	$2.9 \pm 1.5$
HOA ( $\mu\text{g m}^{-3}$ )	$0.4 \pm 0.1$	$0.7 \pm 0.2$	$0.3 \pm 0.1$	0.4	$0.3 \pm 0.1$
SV-OOA ( $\mu\text{g m}^{-3}$ )	$1.3 \pm 0.2$	$2.5 \pm 0.9$	$0.8 \pm 0.2$	1.1	$0.9 \pm 0.4$
LV-OOA ( $\mu\text{g m}^{-3}$ )	$1.7 \pm 0.2$	$1.8 \pm 0.5$	$1.3 \pm 0.1$	2.2	$1.3 \pm 0.7$
BC ( $\mu\text{g m}^{-3}$ )	$0.5 \pm 0.1$	$1.0 \pm 0.3$	$0.3 \pm 0.1$	0.4	$0.3 \pm 0.1$
CO (ppb)	$158.2 \pm 5.5$	$162.5 \pm 9.2$	$160.1 \pm 19.5$	155.1	$151.6 \pm 13.2$
NO <sub>2</sub> (ppb)	$1.1 \pm 0.2$	$1.4 \pm 0.5$	$0.8 \pm 0.1$	0.7	$0.6 \pm 0.2$
SO <sub>2</sub> (ppb)	$0.7 \pm 0.3$	$0.7 \pm 0.3$	$0.3 \pm 0.1$	0.2	$0.2 \pm 0.1$
H <sub>2</sub> SO <sub>4</sub> ( $\text{molec cm}^{-3}$ )	$6.3 \times 10^7 \pm 5.2 \times 10^7$	$1.4 \times 10^8 \pm 8.4 \times 10^7$	$4.3 \times 10^7 \pm 1.8 \times 10^7$	$1.8 \times 10^7$	$2.3 \times 10^7 \pm 1.7 \times 10^7$
Isoprene (ppt)	$34 \pm 7$	$79 \pm 29$	$33 \pm 7$	57	$47 \pm 16$
MVK + MACR (ppt)	$27 \pm 4$	$61 \pm 23$	$25 \pm 1$	26	$30 \pm 8$
Monoterpenes (ppt)	$115 \pm 19$	$361 \pm 209$	$148 \pm 80$	130	$306 \pm 204$
O <sub>3</sub> (ppb)	$50.4 \pm 3.7$	$48.2 \pm 2.8$	$46.4 \pm 2.6$	48.2	$46.5 \pm 4.3$
Temperature ( $^{\circ}\text{C}$ )	$14.2 \pm 2.4$	$15.4 \pm 3.7$	$11.8 \pm 2.4$	10.7	$11.2 \pm 1.7$
Relative humidity (%)	$54.0 \pm 12.3$	$63.5 \pm 18.1$	$61.3 \pm 9.6$	63.8	$79.6 \pm 12.5$
Solar radiation ( $\text{W m}^{-2}$ )	$258 \pm 213$	$255 \pm 192$	$305 \pm 228$	283	$203 \pm 199$