

Experiment	α -pinene (ppb)	O ₃ (ppb)	Initial seed surface area ($\mu\text{m}^2 \text{cm}^{-3}$)	RH (%)	OH ^a ($\times 10^7$ molecules cm^{-3})	OH introduction time (h after α -pinene consumption)
1	33	450	850	< 20	2.4	0.3
2	14	600	760	< 20	2.7	0.8
3	35	450	720	< 20	2.0	1.1
4	16	500	950	< 20	2.4 ^b	1.1
5	20	400	710	~ 50	2.7	0.8

^a The OH concentration was calculated using the decay of butanol-d9 (monitored by PTRMS) (Barnet et al., 2012). ^b Estimated OH concentration for Exp. 4 based on the other experiments. The PTRMS data were not available during that time for Exp. 4.