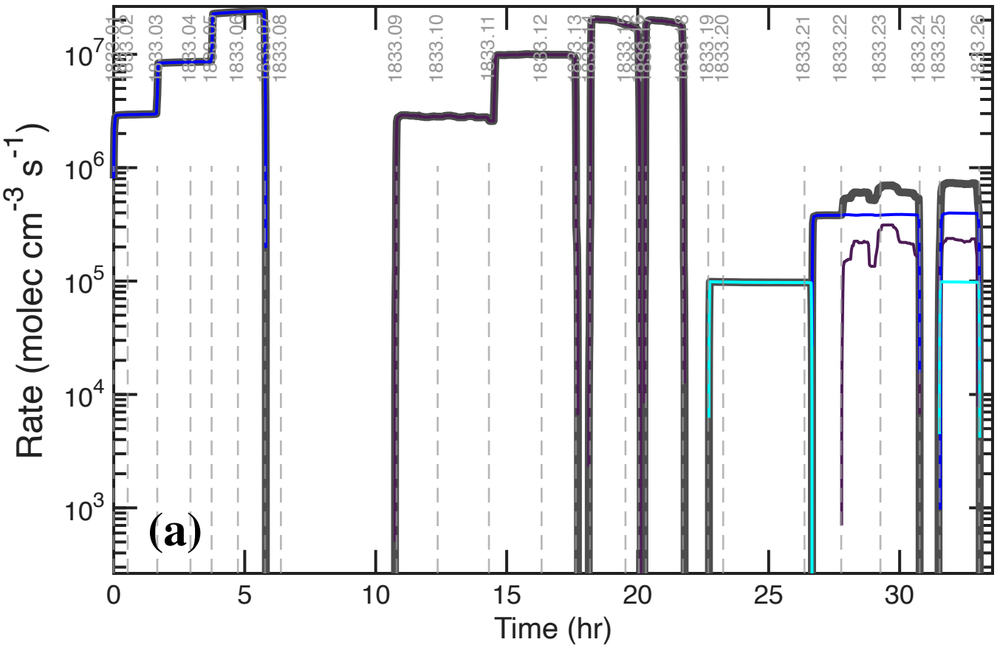
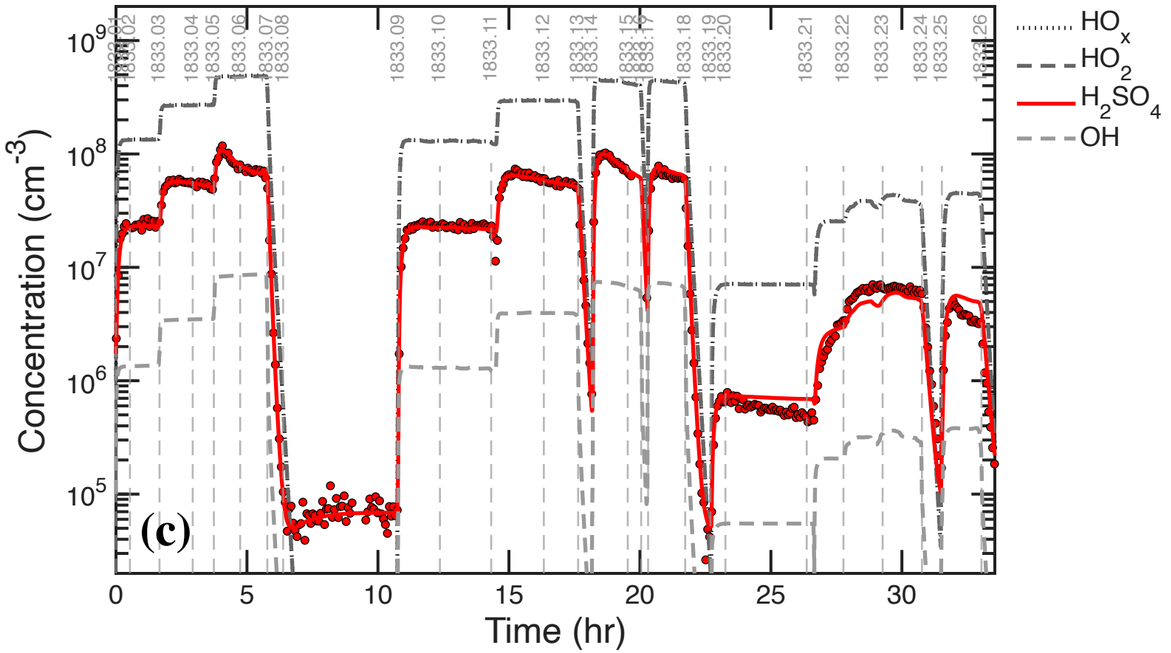
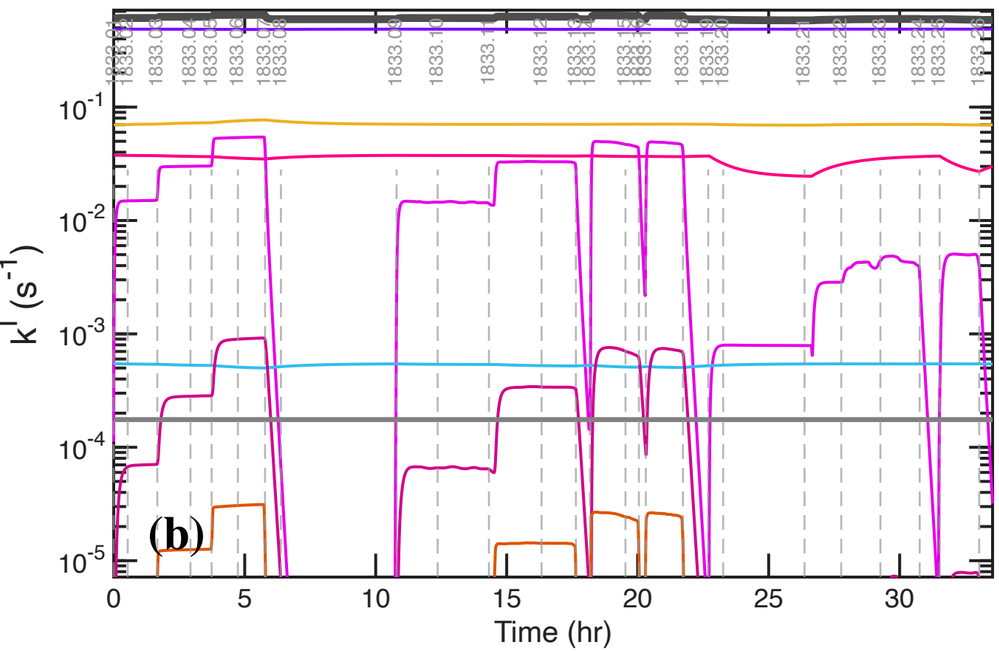
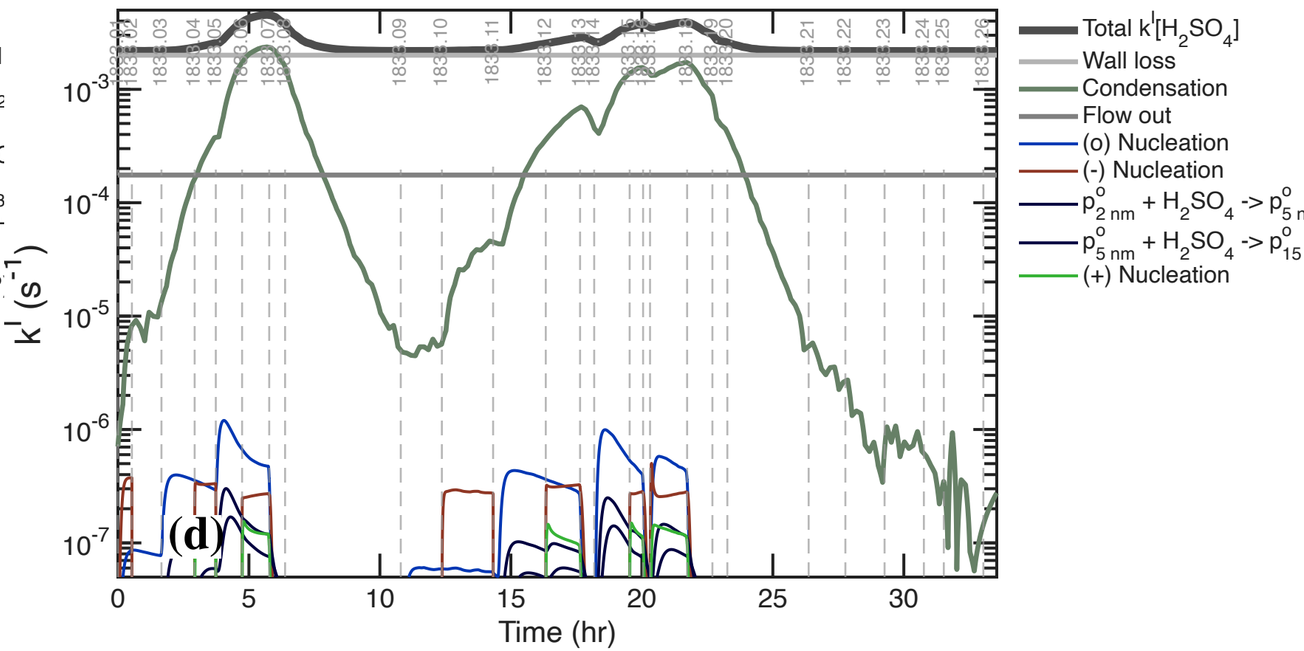

(a)
Rate (molec cm^{-3} s^{-1})
Time (hr)
Total P[O(^{1}D)]
O_3 -UVX-> O_2+O(^{1}
O_3 -UVH-> O_2+O(^{1}
O_3 -LS$_3$-> O_2+O(^{1}D


(c)
Concentration (cm^{-3})
Time (hr)
HO_x
HO_2
H_2SO_4
OH


(b)
k^I (s^{-1})
Time (hr)
Total k^I[OH]
CO+OH -> CO_2+H
O_3+OH -> HO_2+O_2
OH+SO_2 -> HSO_3
HO_2+OH -> H_2O+O
C_3F_6+OH -> HOC_3
H_2O_2+OH -> H_2O+
Flow out
2OH -> H_2O+O(^{3}P


(d)
k^I (s^{-1})
Time (hr)
Total k^I[H_2SO_4]
Wall loss
Condensation
Flow out
(o) Nucleation
(-) Nucleation
$p^o_{2\,nm}$ + H_2SO_4 -> $p^o_{5\,n}$
$p^o_{5\,nm}$ + H_2SO_4 -> p^o_{15}
(+) Nucleation