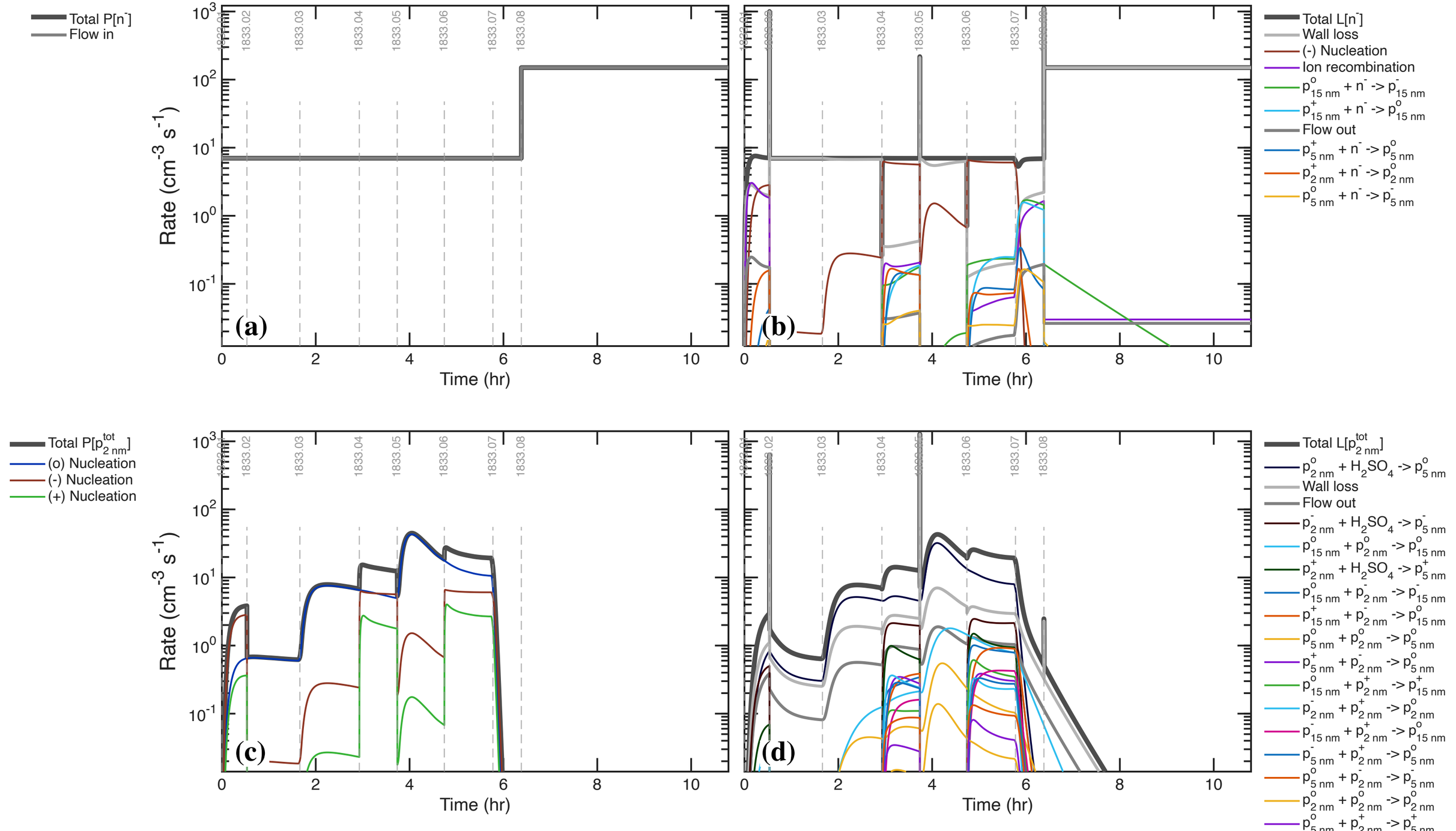
Total P[n-]
Flow in
Rate (cm-3 s-1)
Time (hr)
(a)
(b)
Total L[n-]
Wall loss
(-) Nucleation
Ion recombination
p°15 nm + n- -> p-15 nm
p+15 nm + n- -> p°15 nm
Flow out
p+5 nm + n- -> p°5 nm
p+2 nm + n- -> p°2 nm
p°5 nm + n- -> p-5 nm
Total P[p2 nm tot]
(o) Nucleation
(-) Nucleation
(+) Nucleation
(c)
(d)
Total L[p2 nm tot]
p°2 nm + H2SO4 -> p°5 nm
Wall loss
Flow out
p-2 nm + H2SO4 -> p-5 nm
p°15 nm + p°2 nm -> p°15 nm
p+2 nm + H2SO4 -> p+5 nm
p°15 nm + p-2 nm -> p-15 nm
p+15 nm + p-2 nm -> p°15 nm
p°5 nm + p°2 nm -> p°5 nm
p+5 nm + p-2 nm -> p°5 nm
p°15 nm + p+2 nm -> p+15 nm
p-2 nm + p+2 nm -> p°2 nm
p-15 nm + p+2 nm -> p°15 nm
p-5 nm + p+2 nm -> p°5 nm
p°5 nm + p-2 nm -> p-5 nm
p°2 nm + p°2 nm -> p°2 nm
p°5 nm + p+2 nm -> p+5 nm