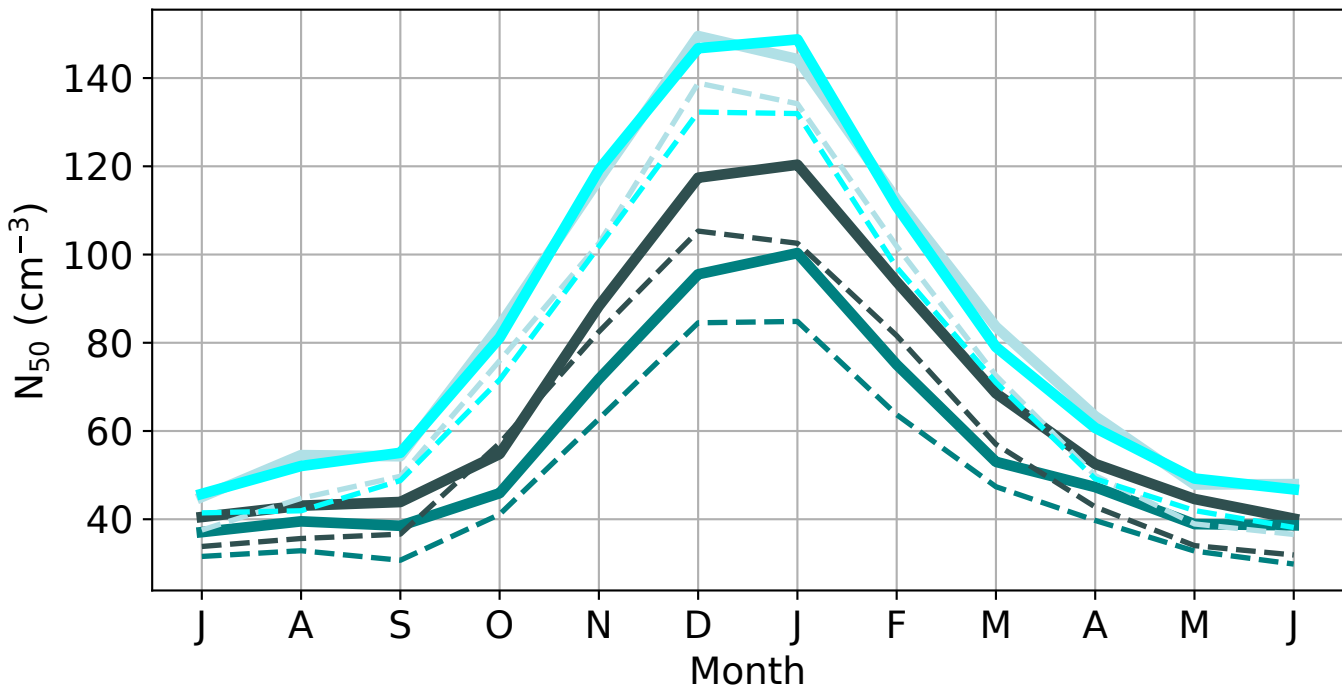


(a) CCN

(b)  $N_d$ 