

Figure S1. Temporal profile of  $N_{CN}$  after (a) and before (b) removal of the abnormal data.

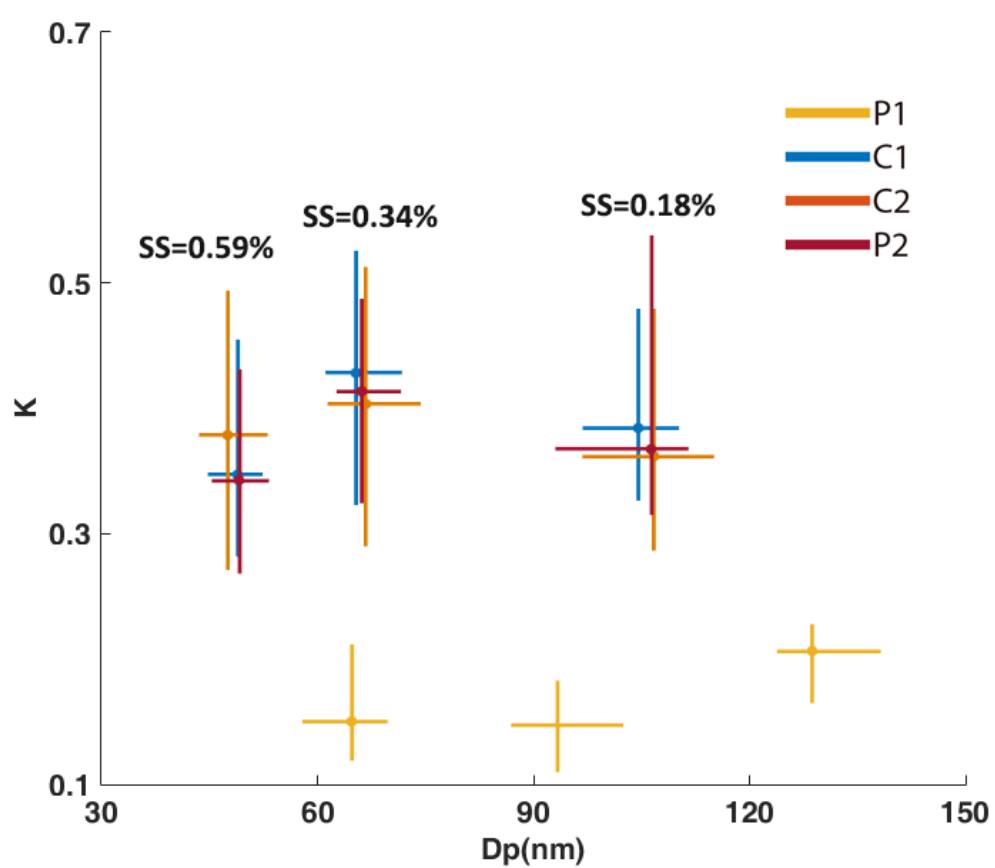


Figure S2. The median and interquartile  $\kappa$  value at 0.18%, 0.34% and 0.59% ss during the P1, C1, C2 and P2 periods. Different colors represent different periods.