(a) Concentration vs. Depth

(b) Error in first moment vs. $N_k$

(c) Std. dev. of error in first moment vs. $N_p$

- For $1 h$, $2 h$, and $12 h$:
  - Error in first moment decreases with $N_k$.
  - Std. dev. of error in first moment decreases with $N_p$.

- $10^{-2}$ to $10^{-6}$
- $N_k$ values range from 4 to 128
- $N_p$ values range from $10^2$ to $10^6$

- $1/N_k^2$ and $1/\sqrt{N_p}$ relationships for error and std. dev.