Detection problem $\theta = \sigma = 5$, Mean of 7 observations

- $N = 1$
- $N = 2$
- $N = 3$
- $N = 4$
- $N = 5$
- $N = 6$

$f_n(x)$ $f_\theta(x)$

$\beta = 2.42$

$P_{FA} = 0.1$

$P_D = 0.91$