



- $S = 100.0 \text{ s}^{-1}$ ($t_{det} = 0.022482 \text{ s}$)
- $S = 200.0 \text{ s}^{-1}$ ($t_{det} = 0.015211 \text{ s}$)
- $S = 300.0 \text{ s}^{-1}$ ($t_{det} = 0.012162 \text{ s}$)
- $S = 450.0 \text{ s}^{-1}$ ($t_{det} = 0.009966 \text{ s}$)