

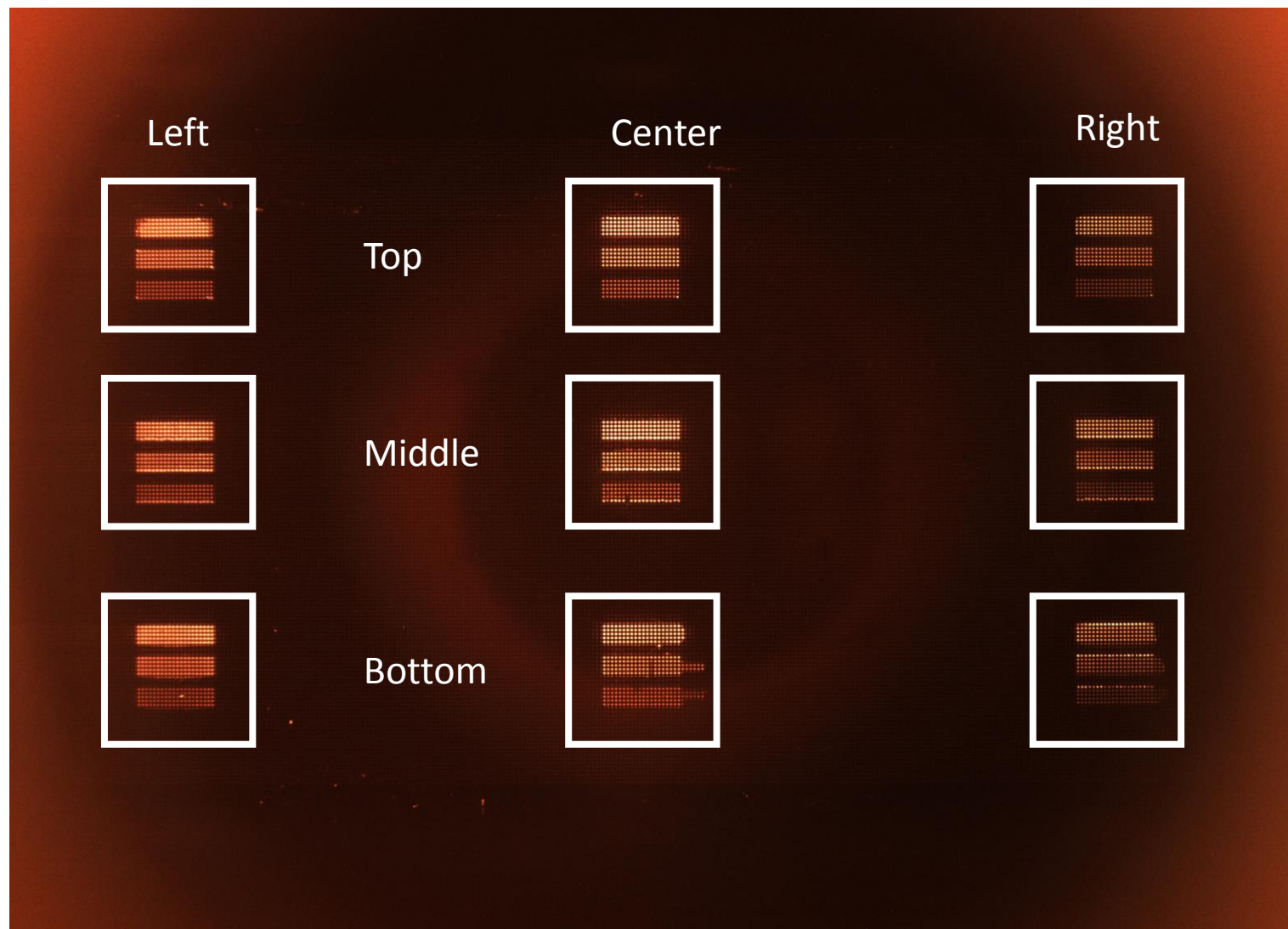
Fluorescence Data Analysis

1-5-10uM and 1uM chips

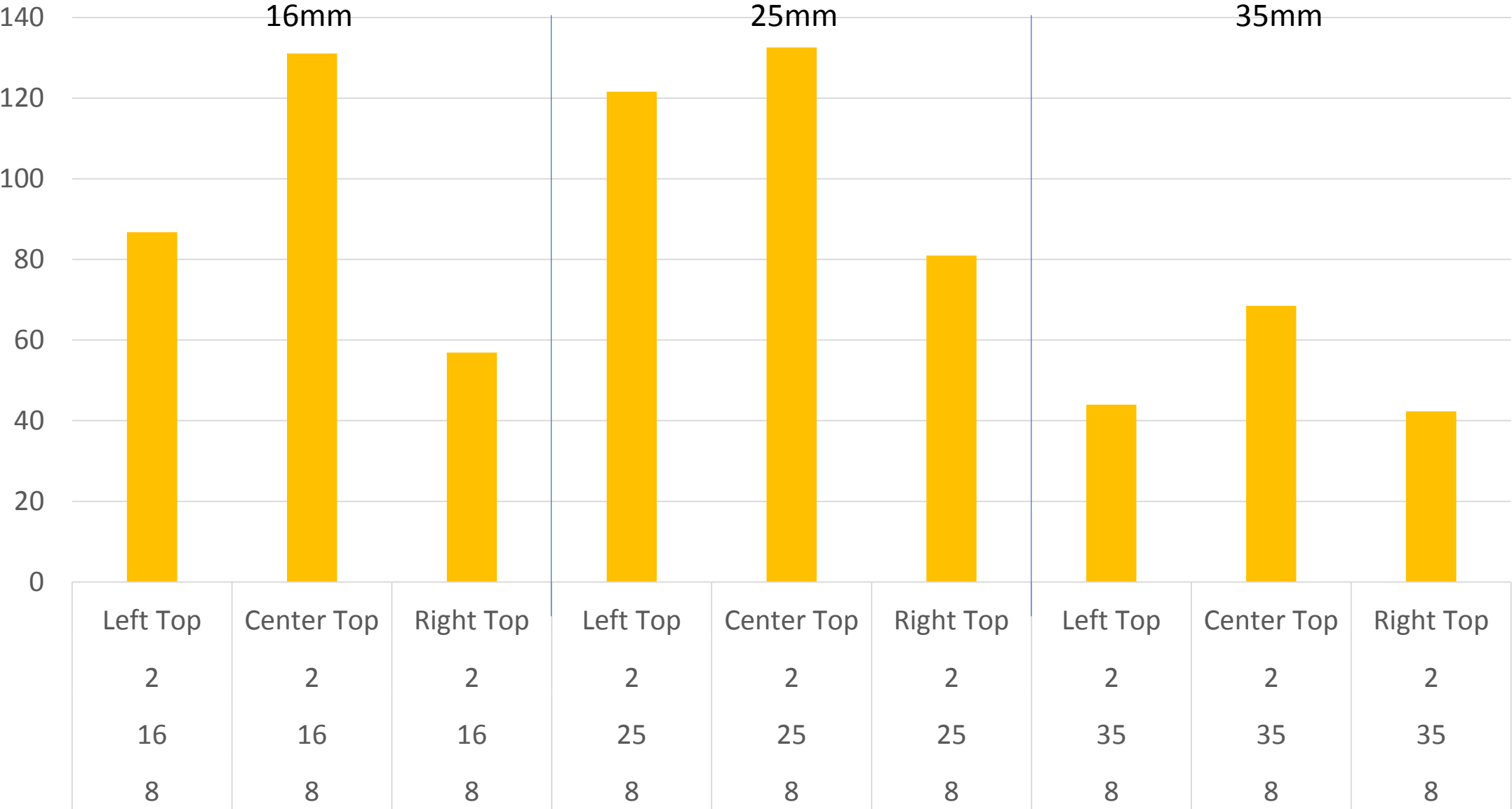
8A current, 2 seconds exposure

Lucky Jordan

1-5-10uM chip

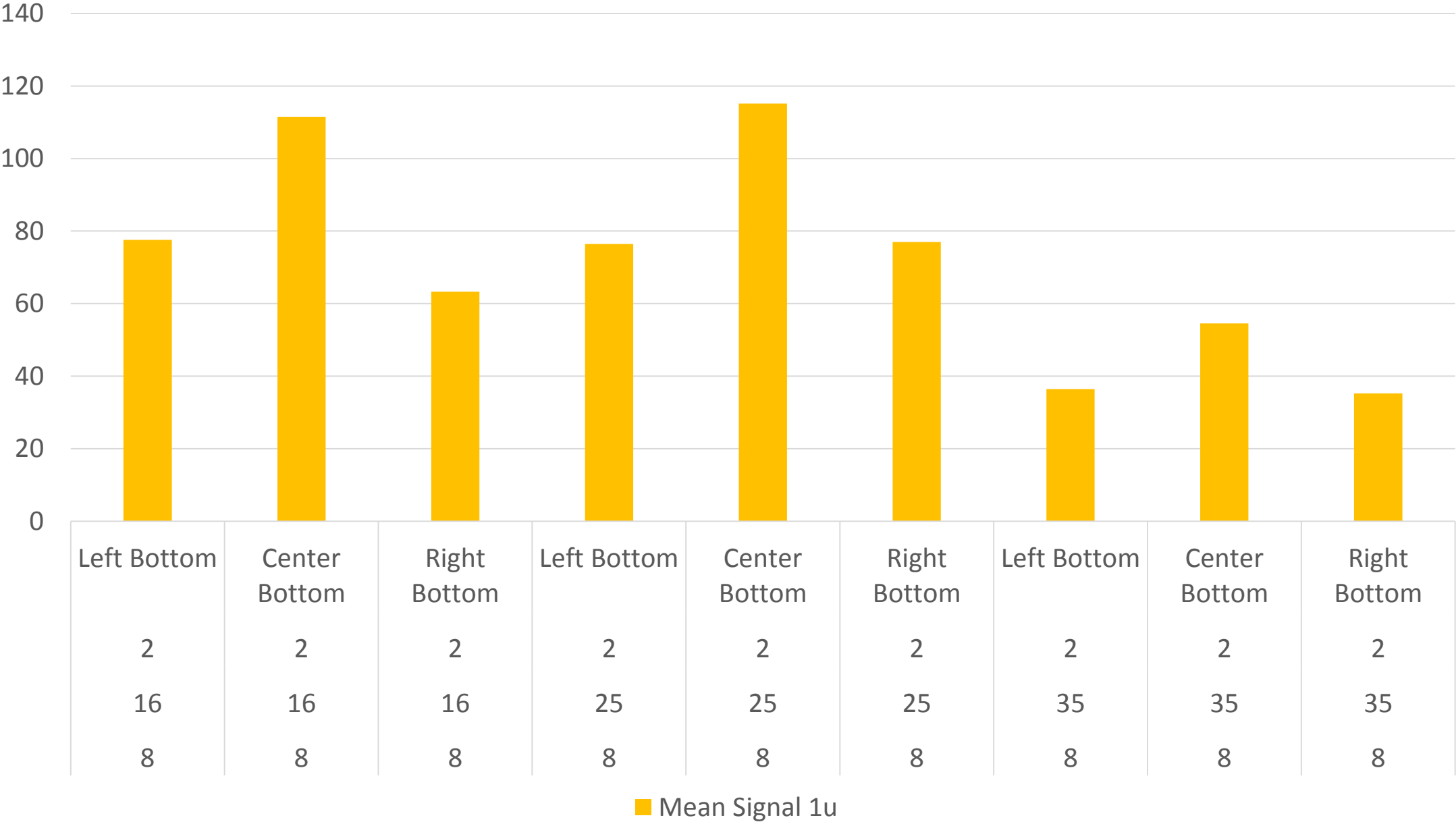


Top Row Signal Comparison – 16/25/35mm

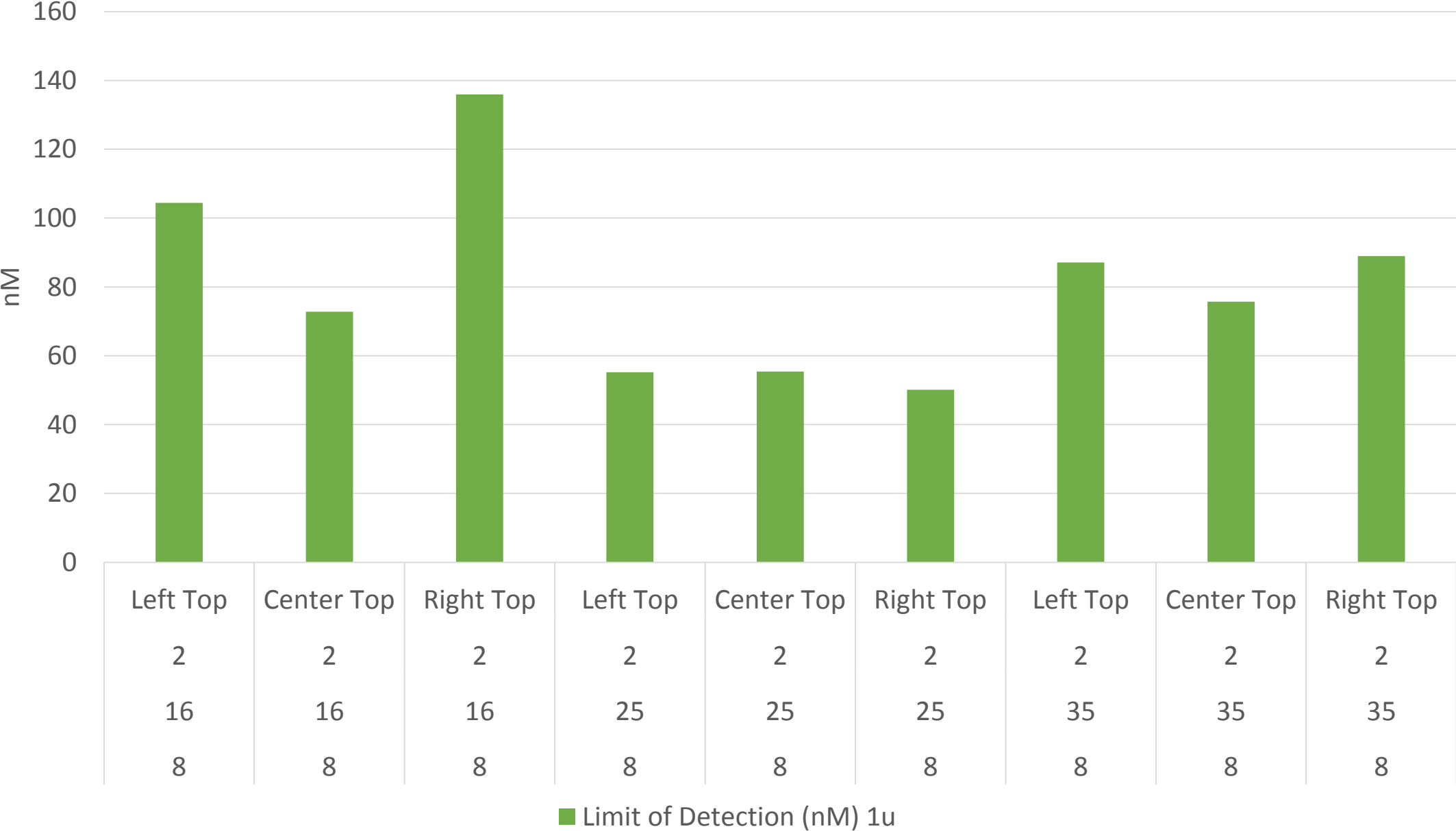


■ Mean Signal 1u

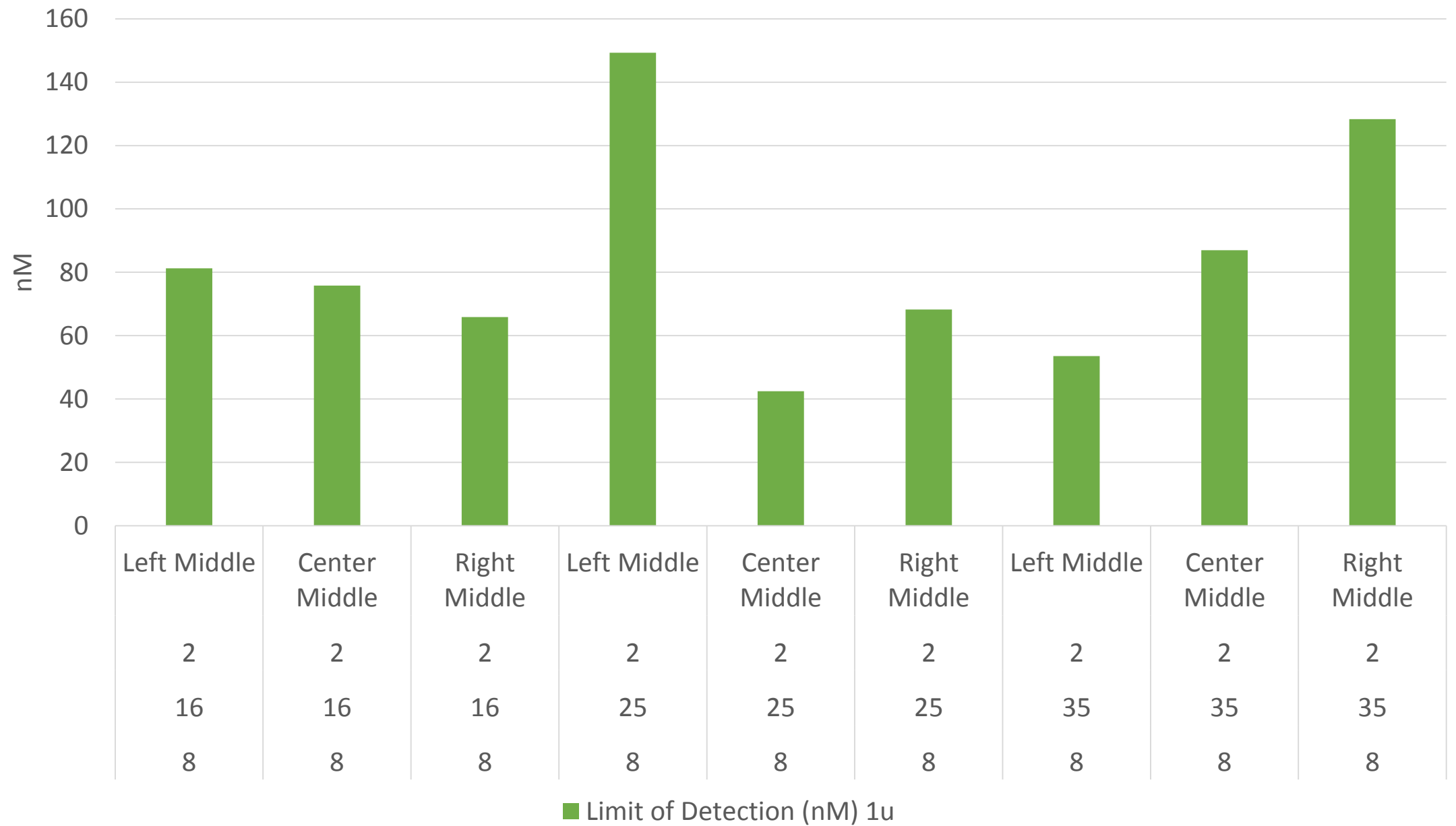
Bottom Row Signal Comparison – 16/25/35mm



Top Row LOD Comparison – 16/25/35mm



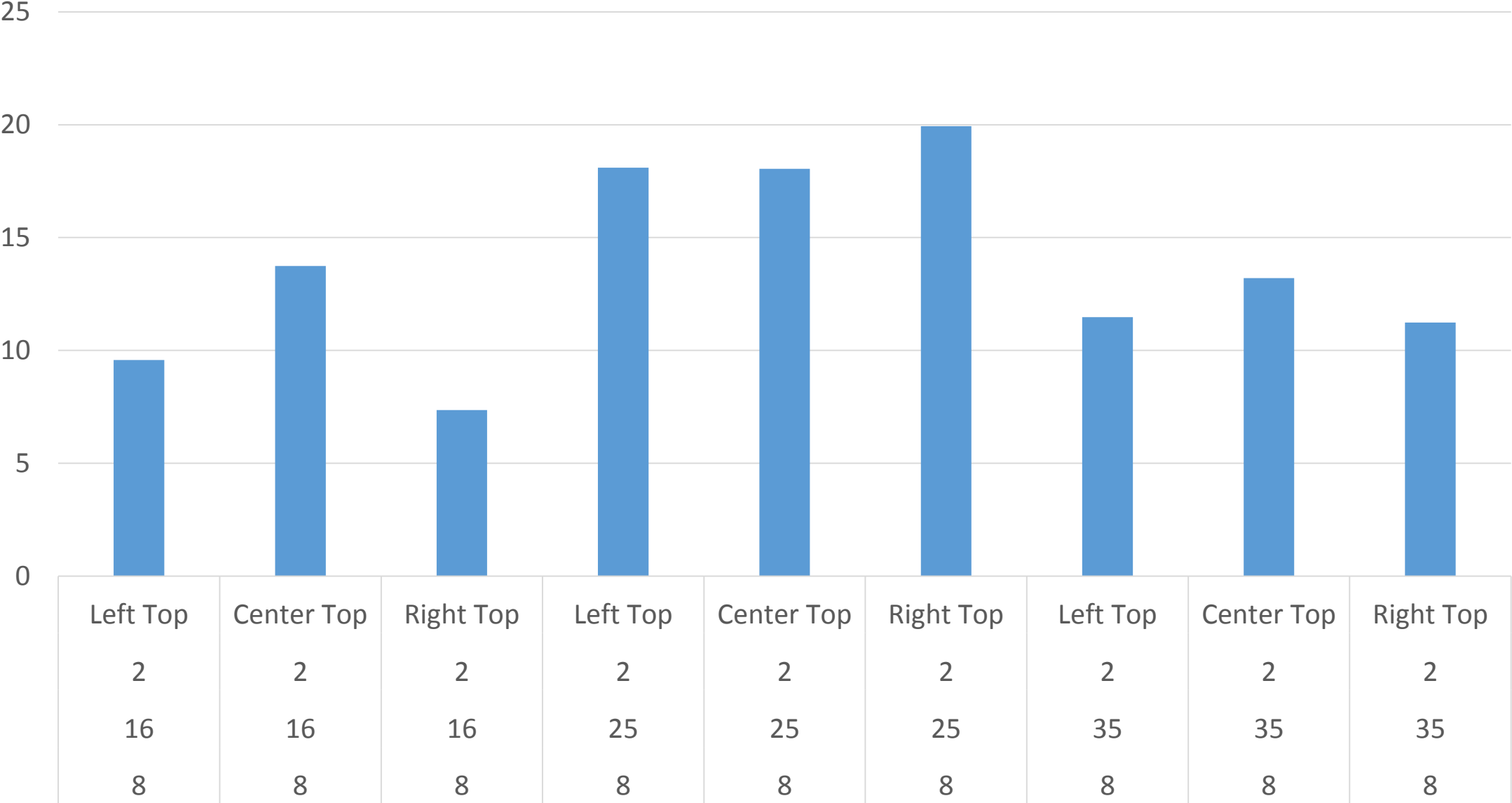
Middle Row LOD Comparison – 16/25/35mm



Bottom Row LOD Comparison – 16/25/35mm

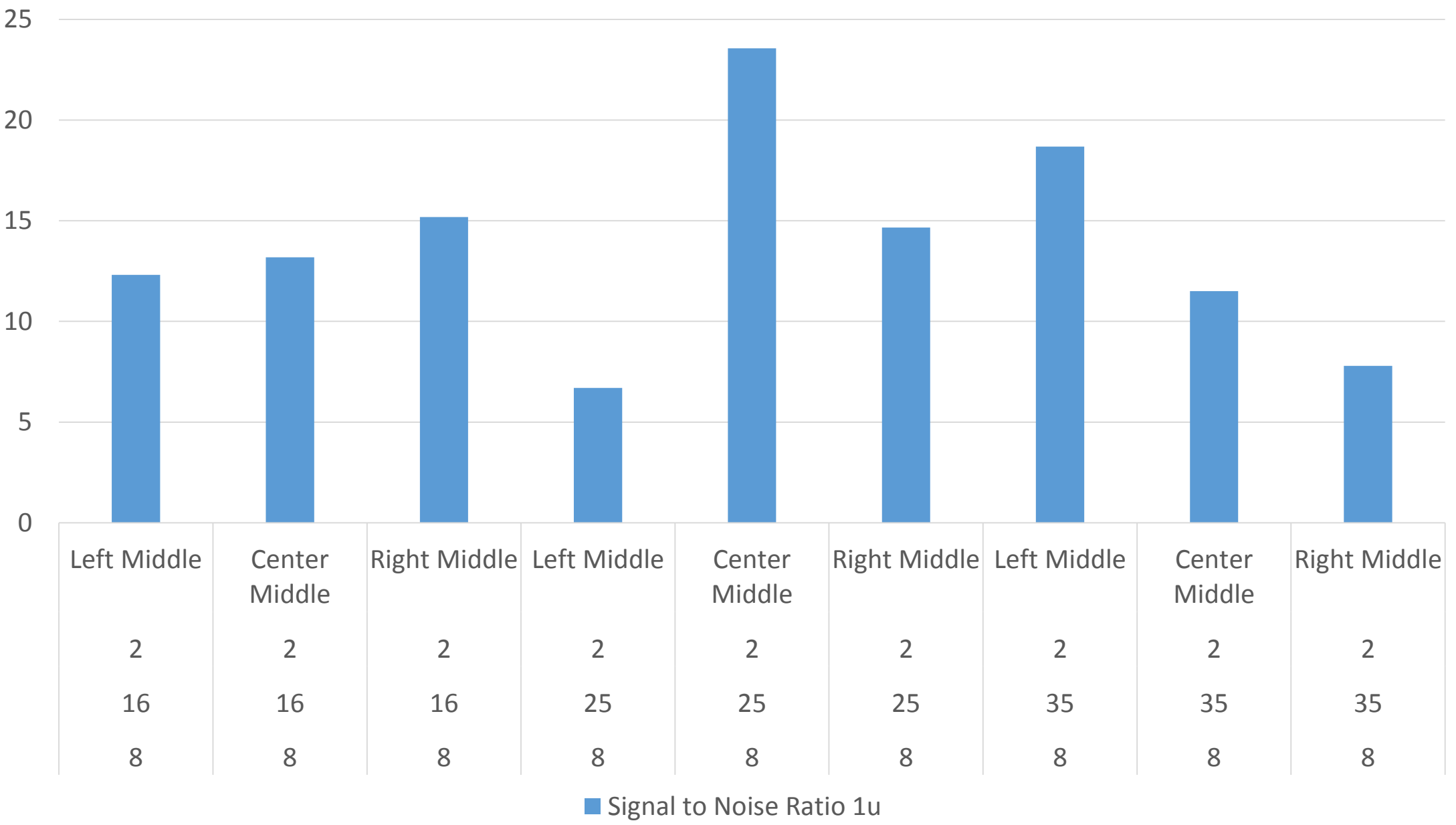


Top Row Signal to Noise Comparison – 16/25/35mm

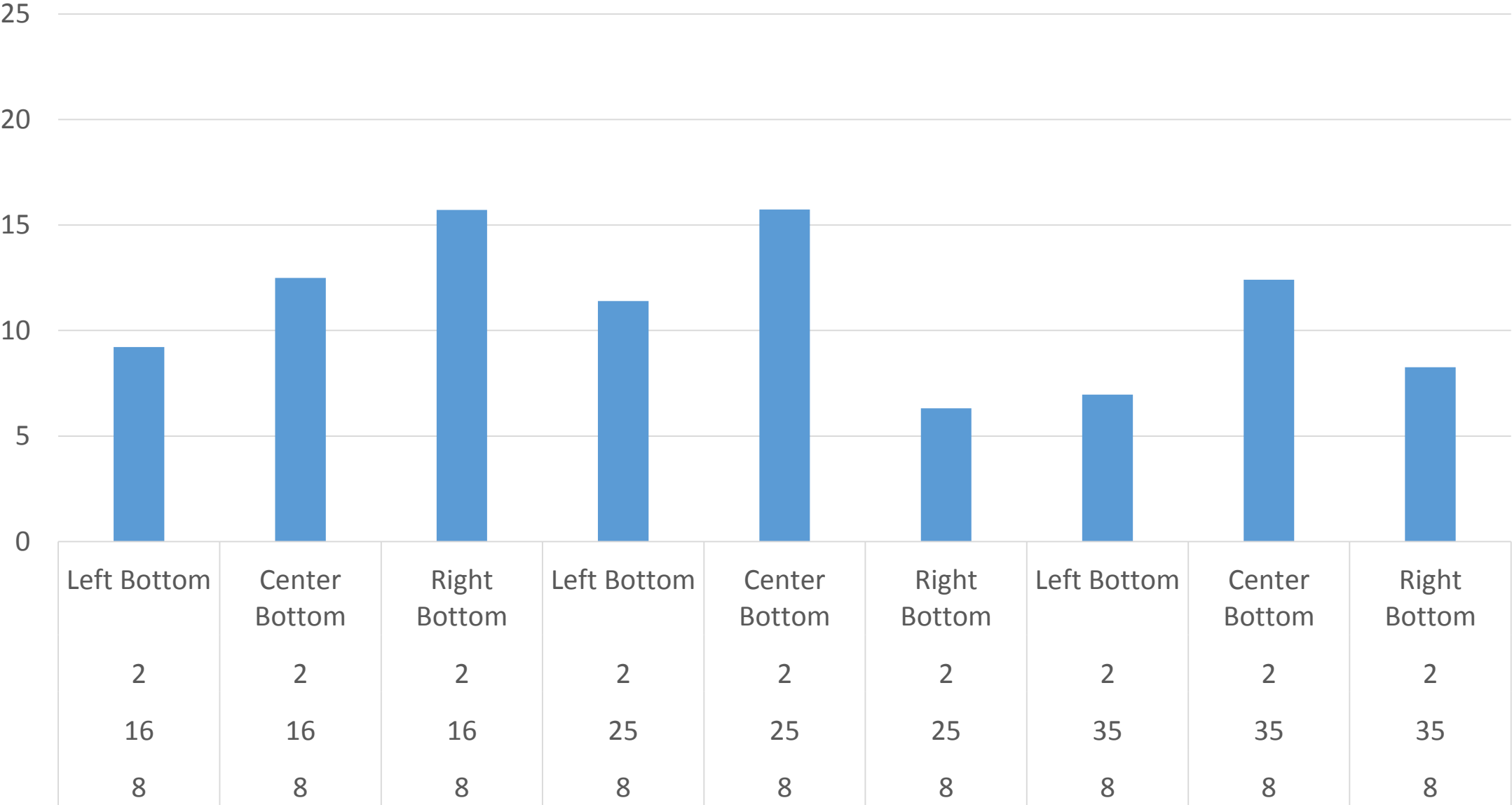


■ Signal to Noise Ratio 1u

Middle Row Signal to Noise Comparison – 16/25/35mm

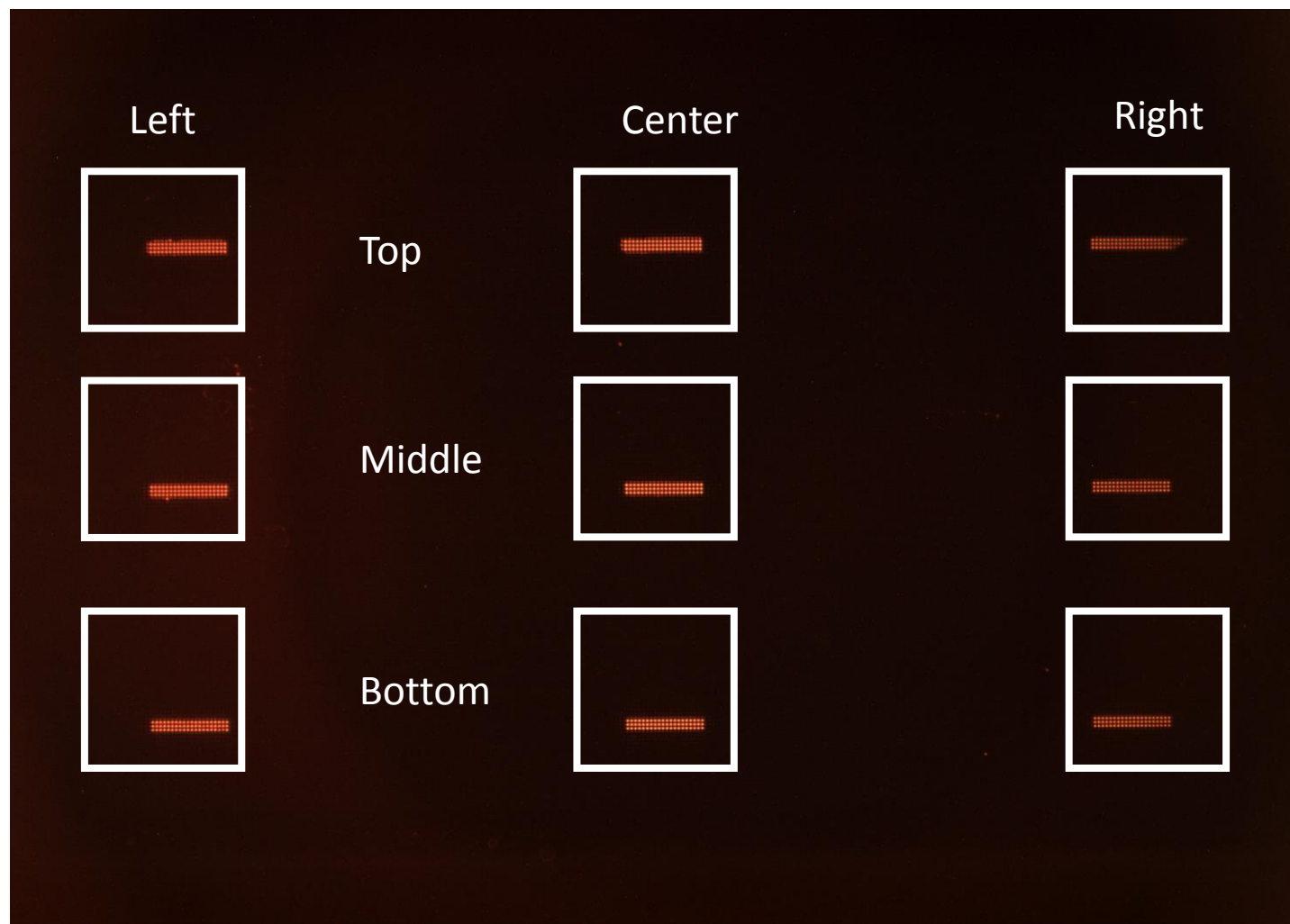


Bottom Row Signal to Noise Comparison – 16/25/35mm

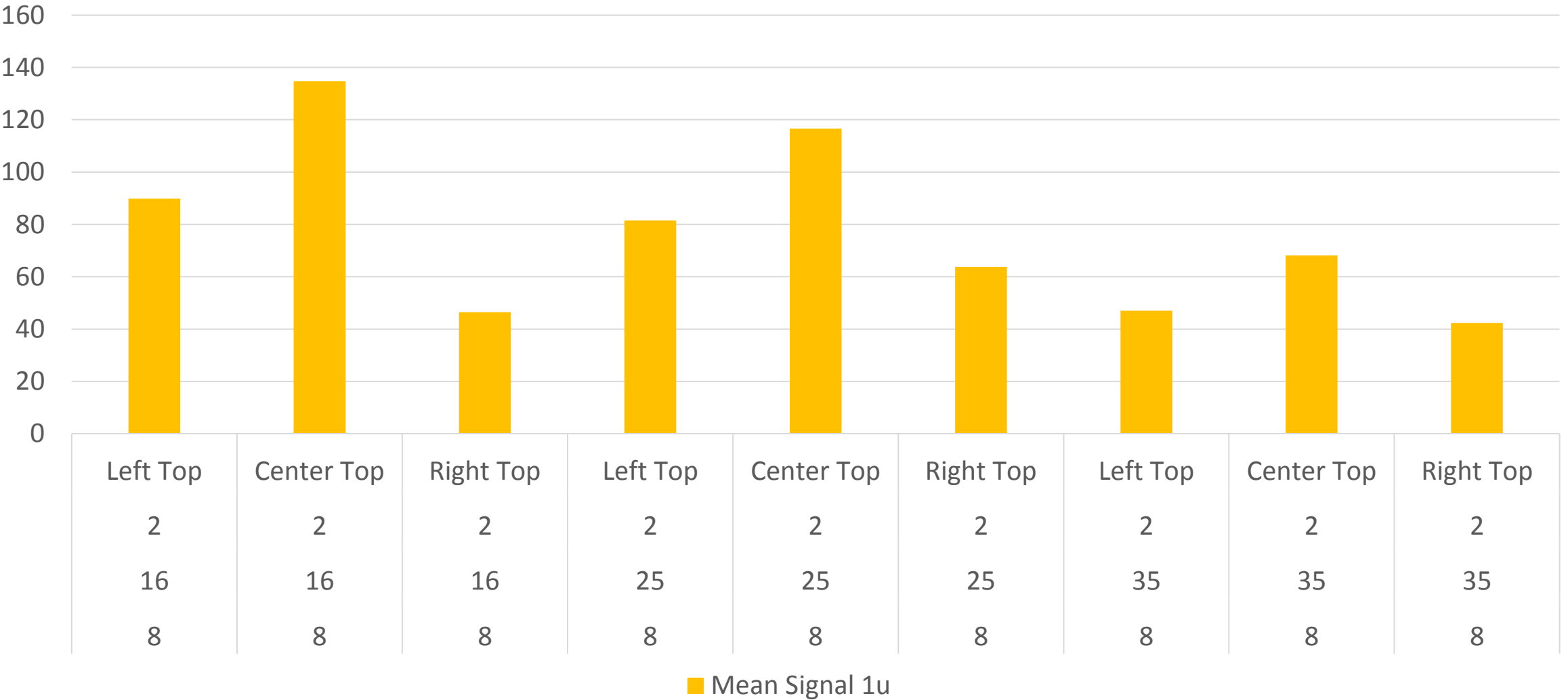


■ Signal to Noise Ratio 1u

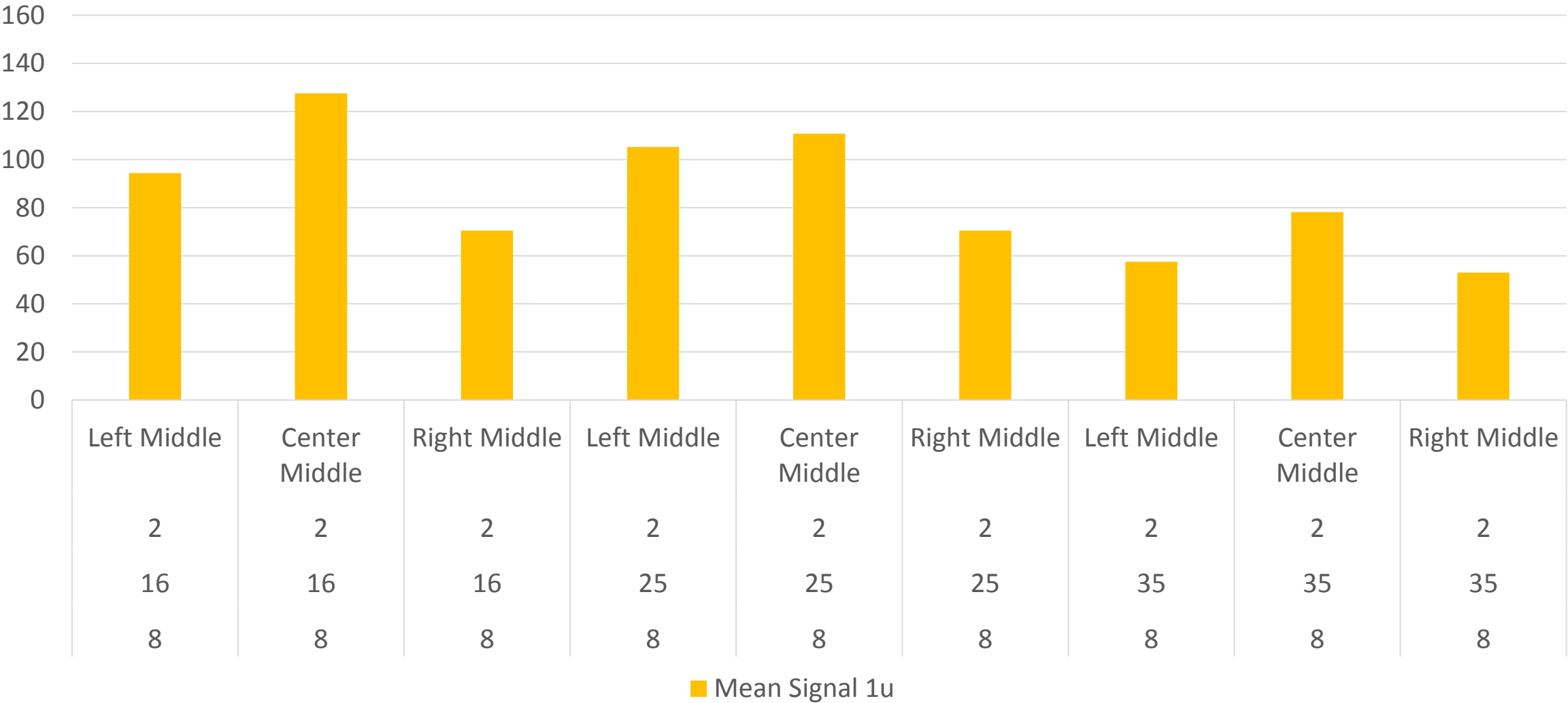
1uM chip



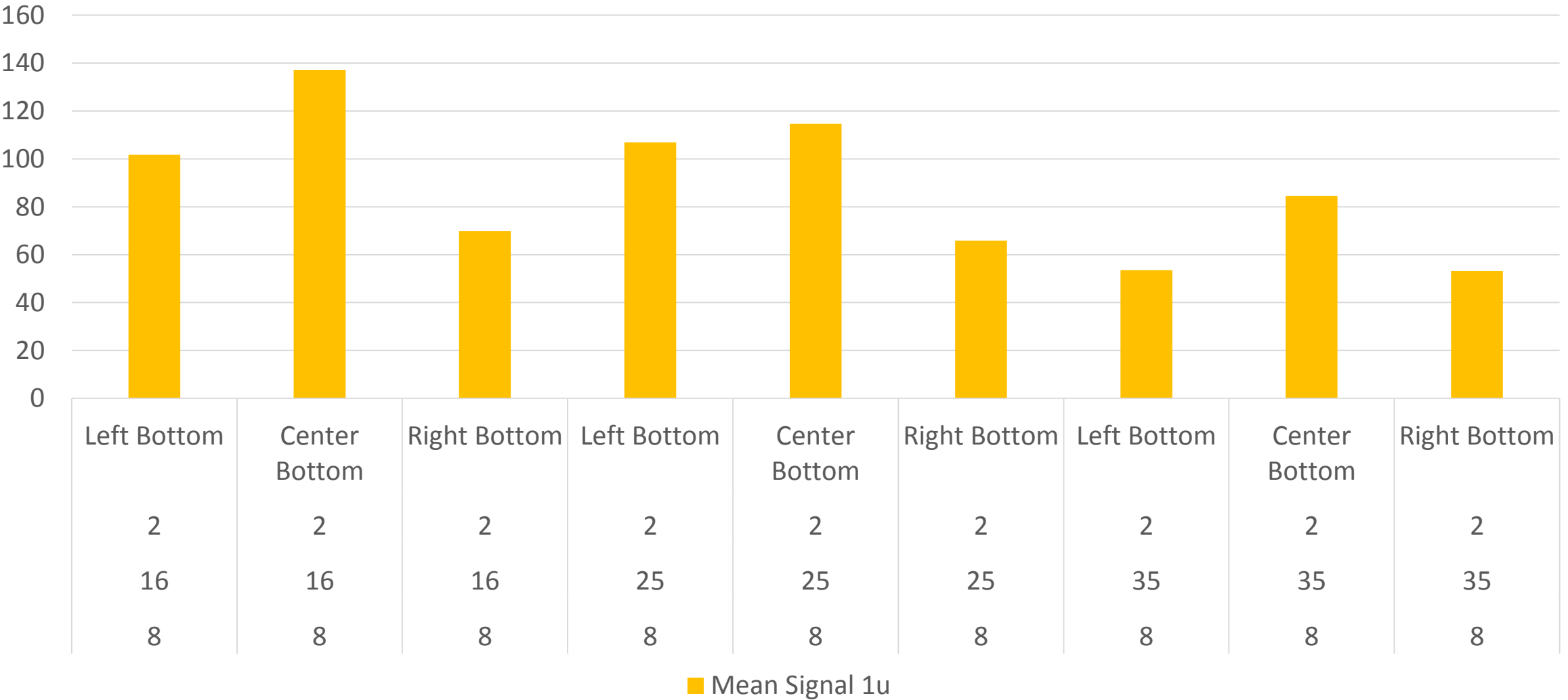
Top Row Signal Comparison - 16/25/35mm



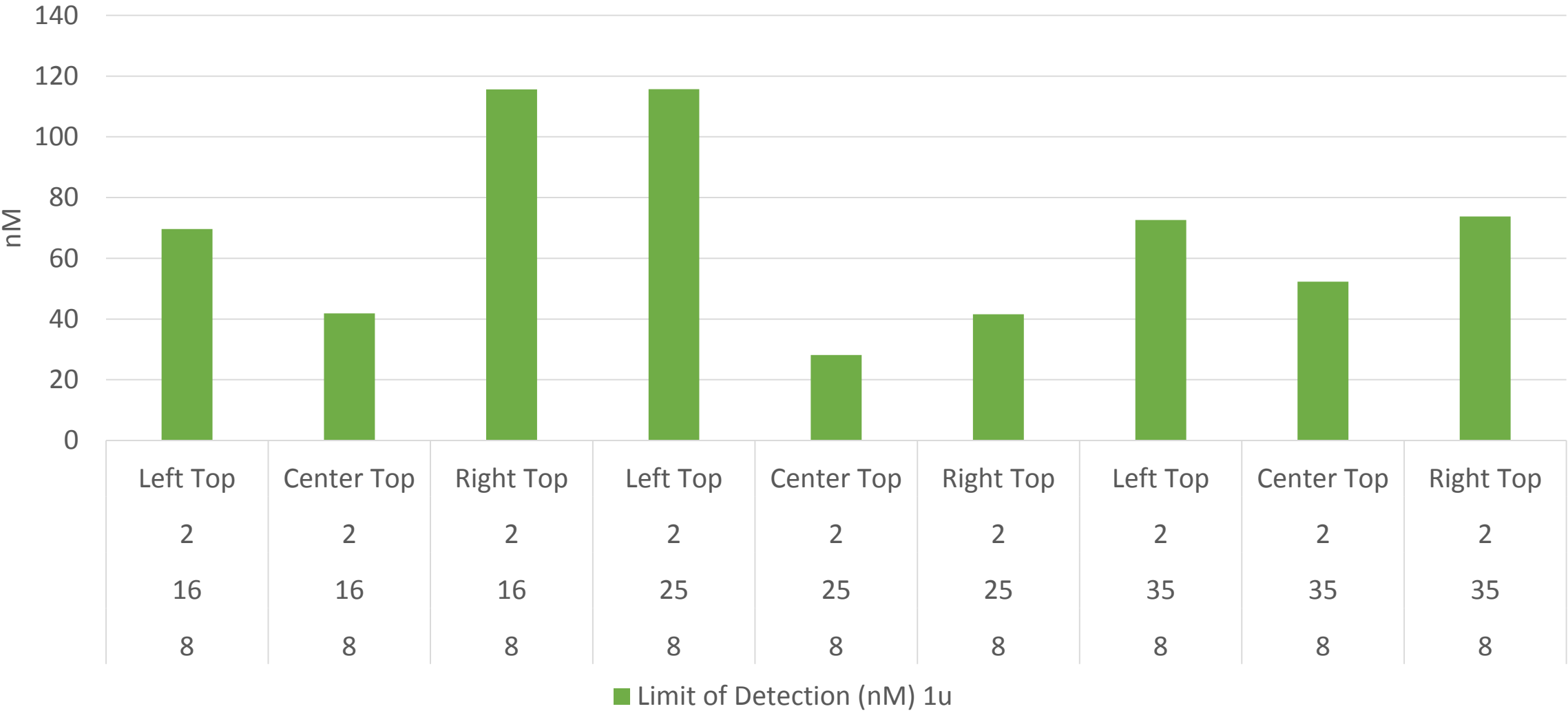
Middle Row Signal Comparison - 16/25/35mm



Bottom Row Signal Comparison - 16/25/35mm



Top Row LOD Comparison - 16/25/35mm



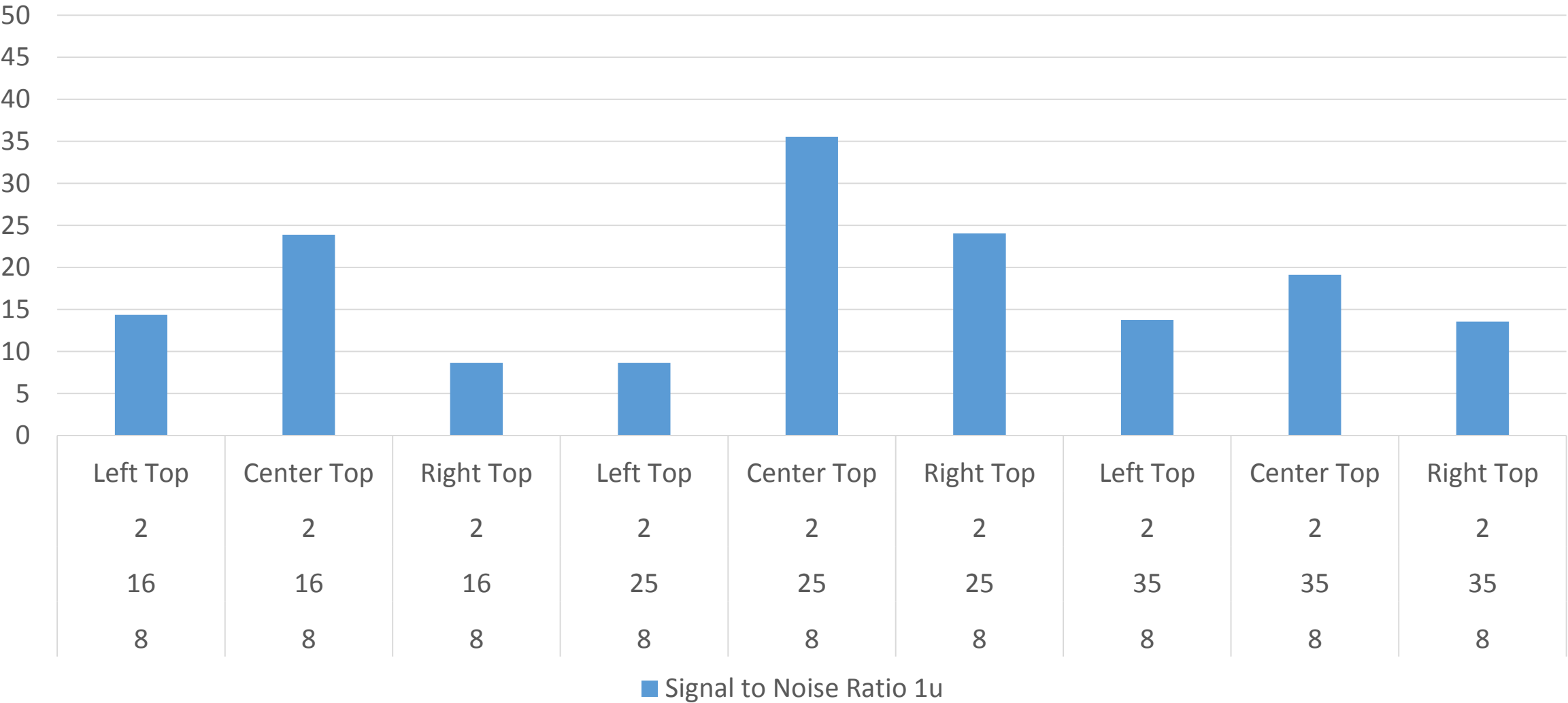
Middle Row LOD Comparison - 16/25/35mm



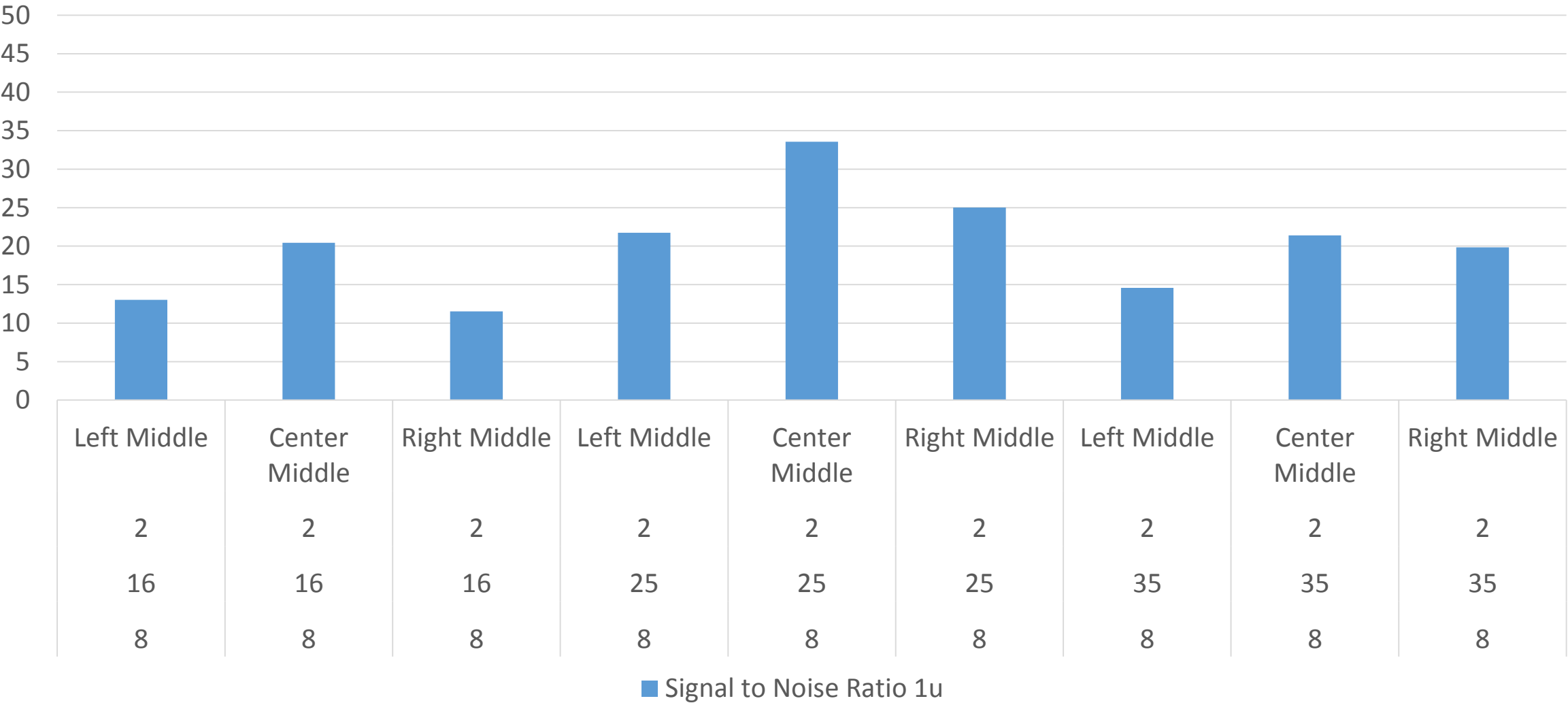
Bottom Row LOD Comparison - 16/25/35mm



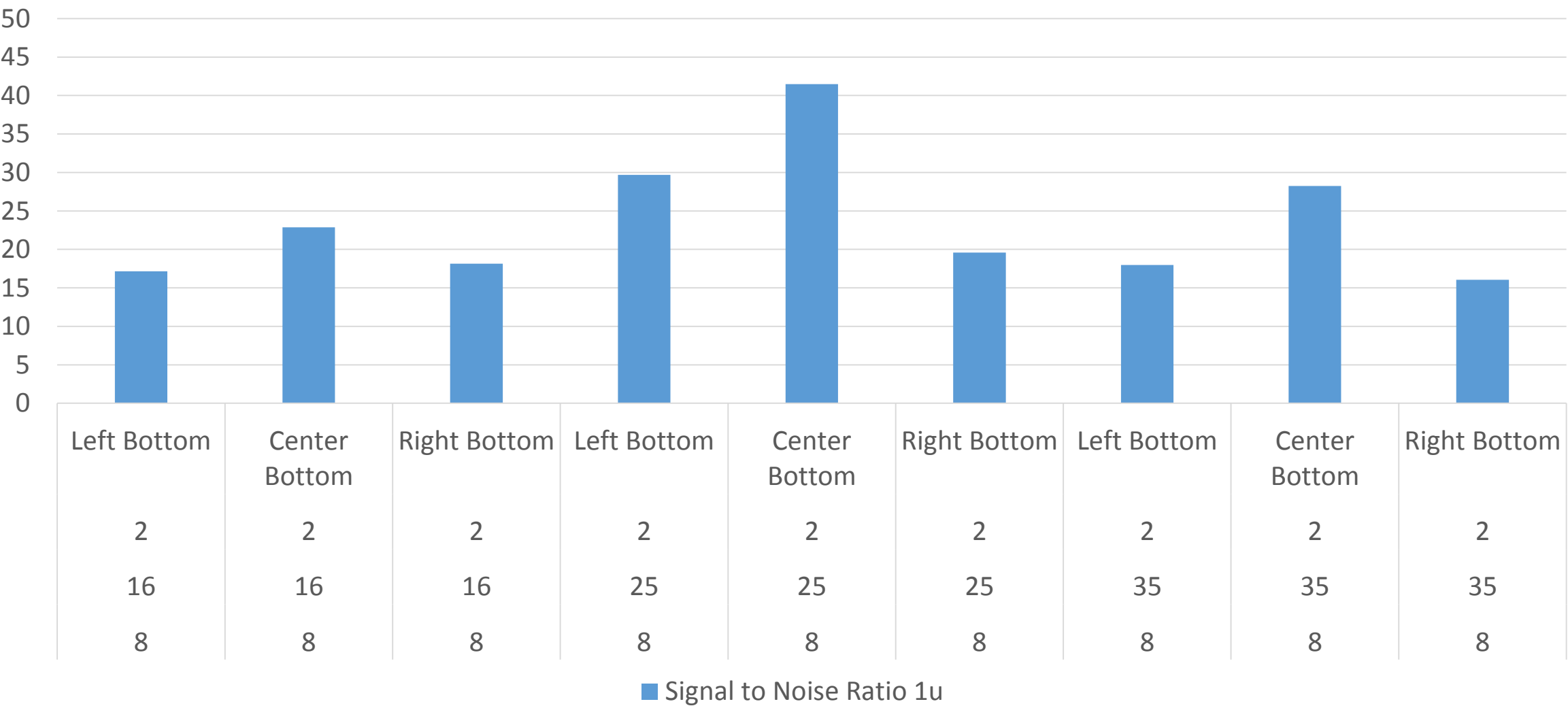
Top Row Signal to Noise Comparison - 16/25/35mm



Middle Row Signal to Noise Comparison - 16/25/35mm



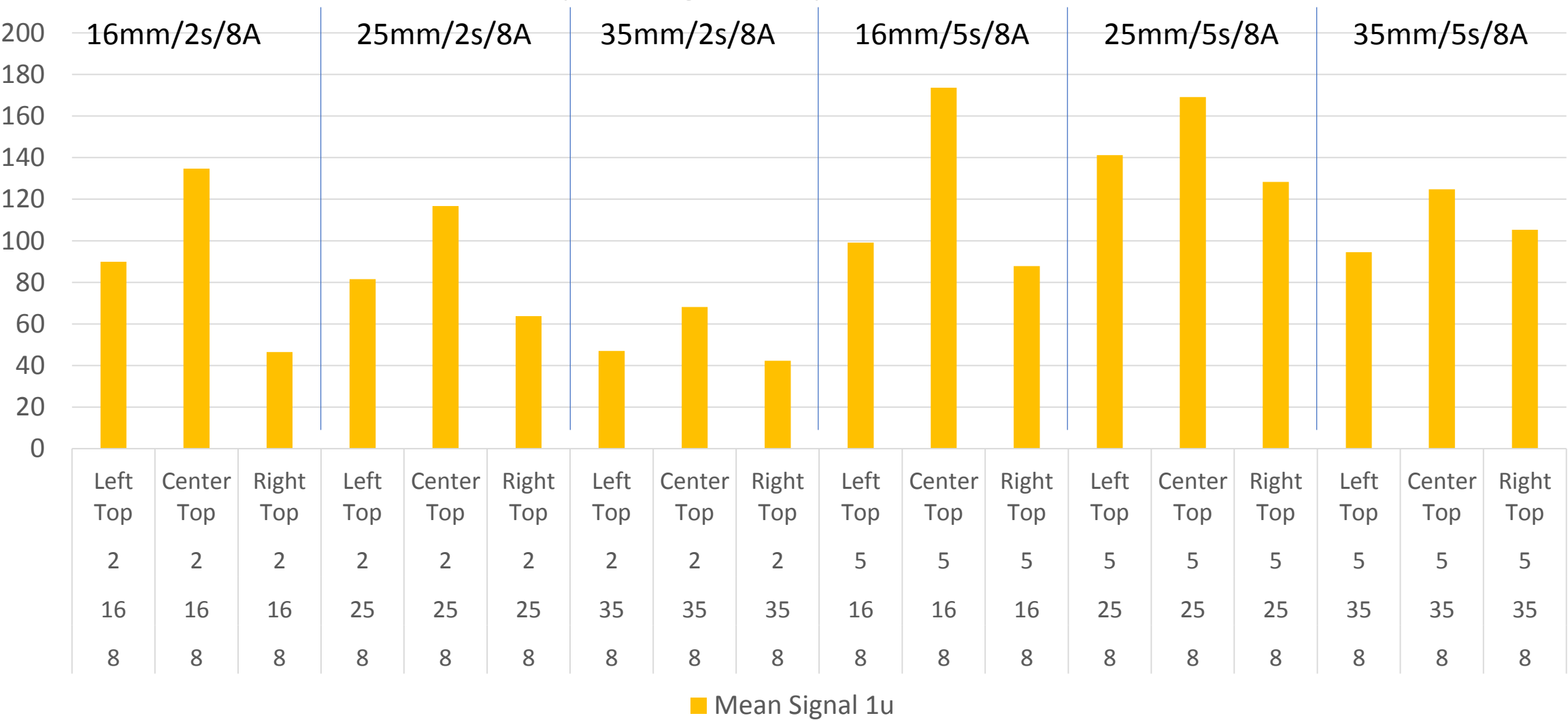
Bottom Row Signal to Noise Comparison - 16/25/35mm



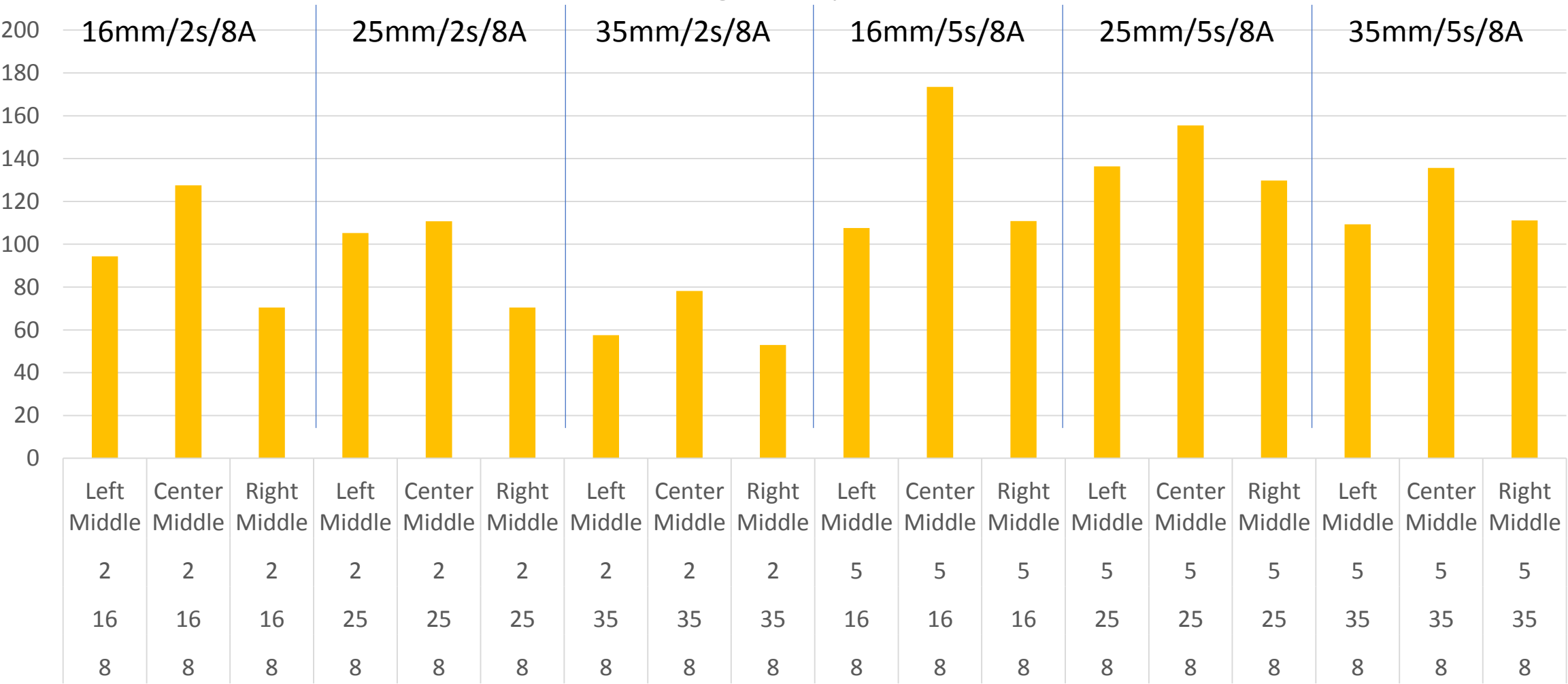
1uM continued

- The following slides compare data across as three lenses at maximum LED drive current with two different exposure times: 2 seconds and 5 seconds.

Top Row Signal Comparison – 2/5sec

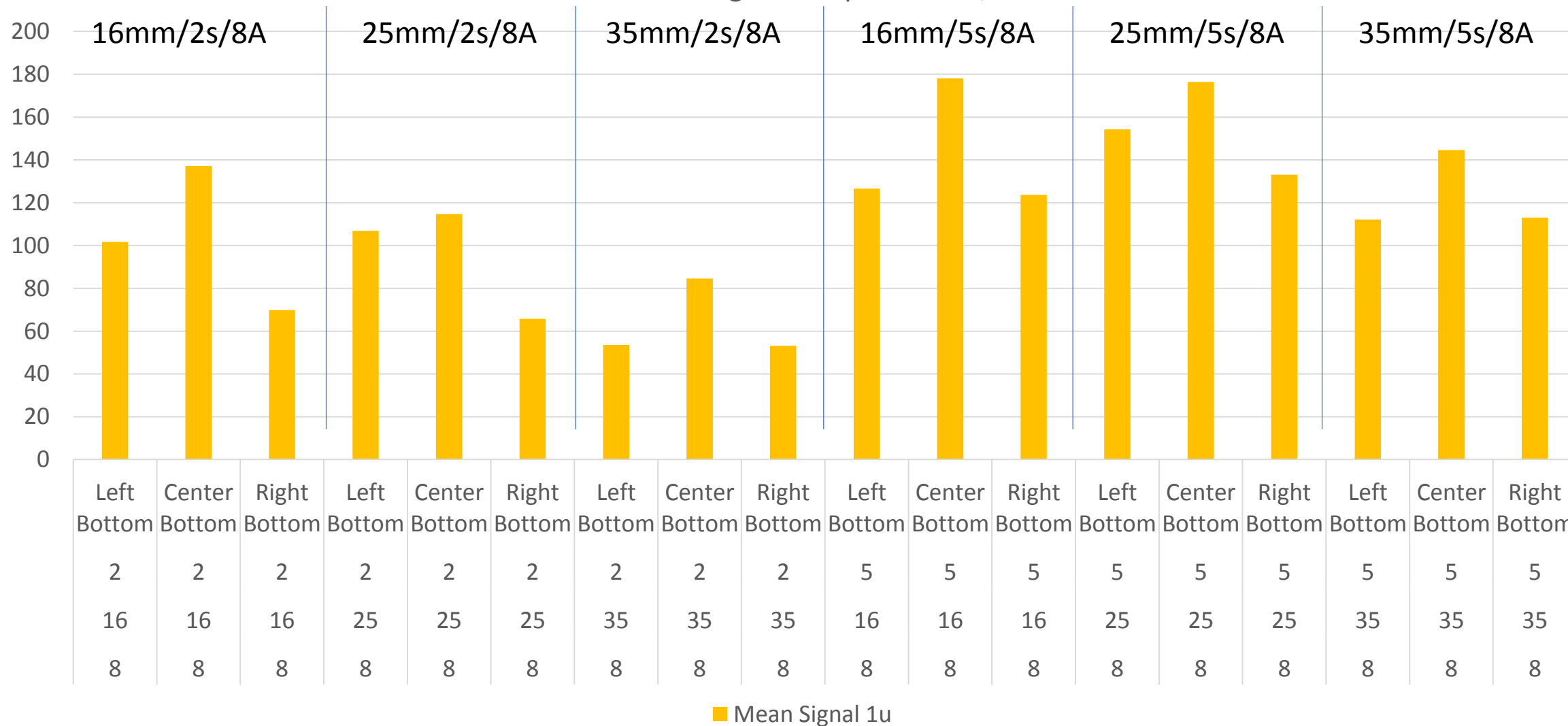


Middle Row Signal Comparison – 2/5sec

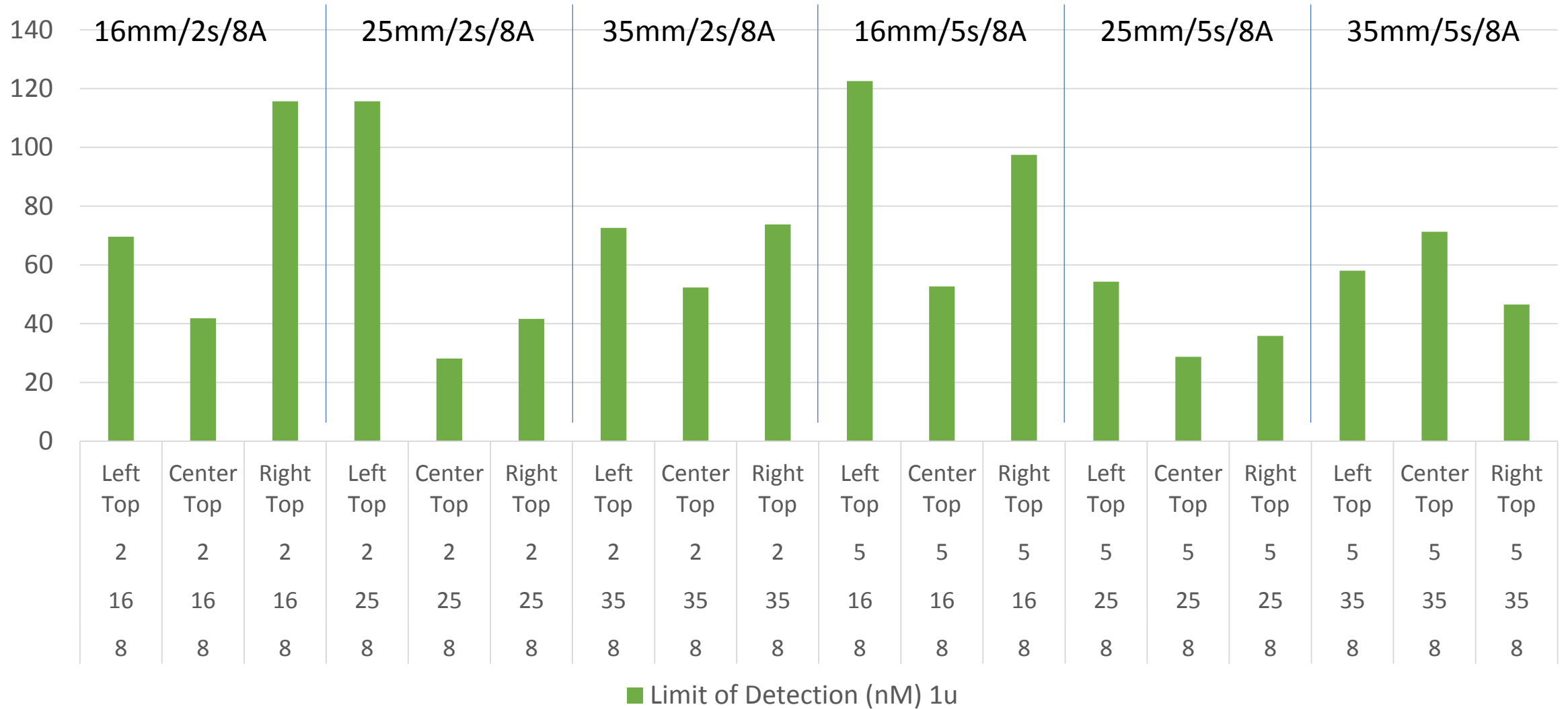


■ Mean Signal 1u

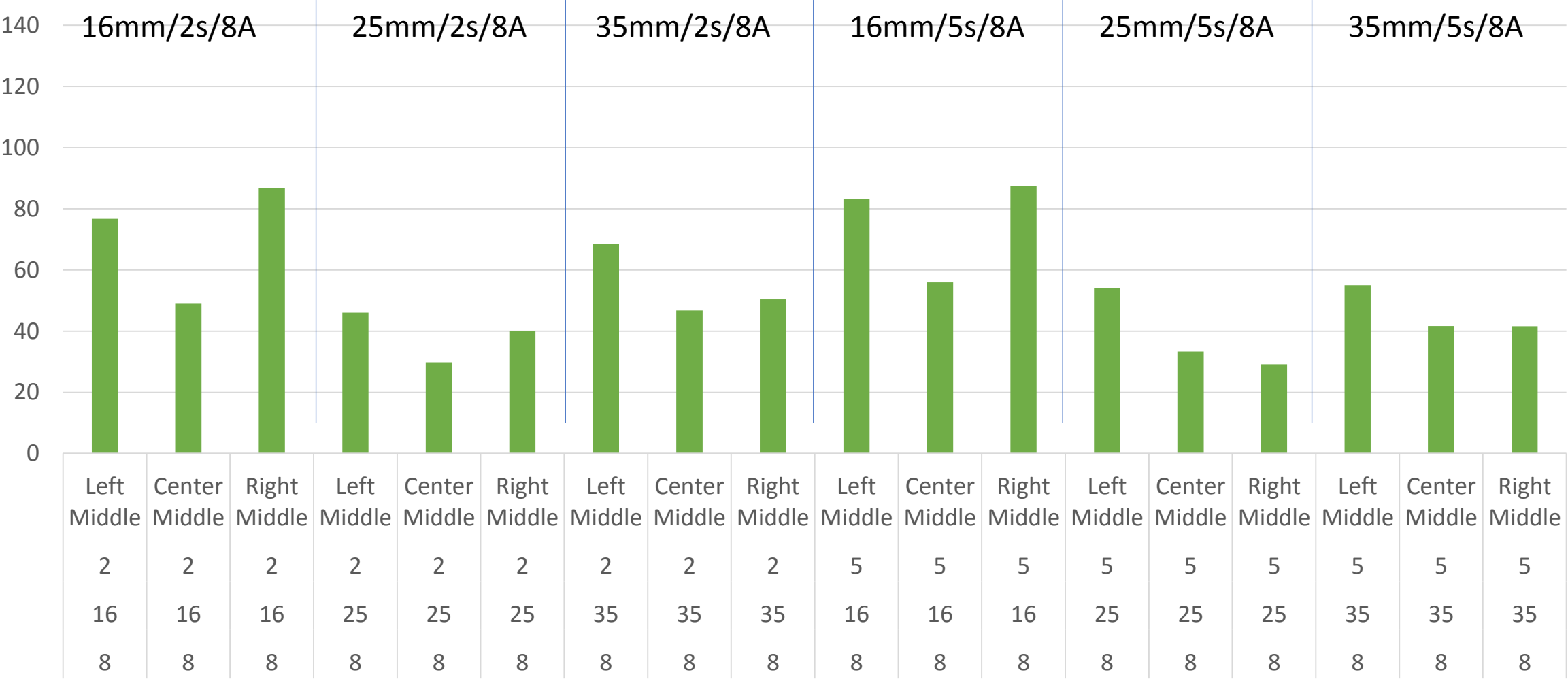
Bottom Row Signal Comparison – 2/5sec



Top Row LOD Comparison – 2/5sec

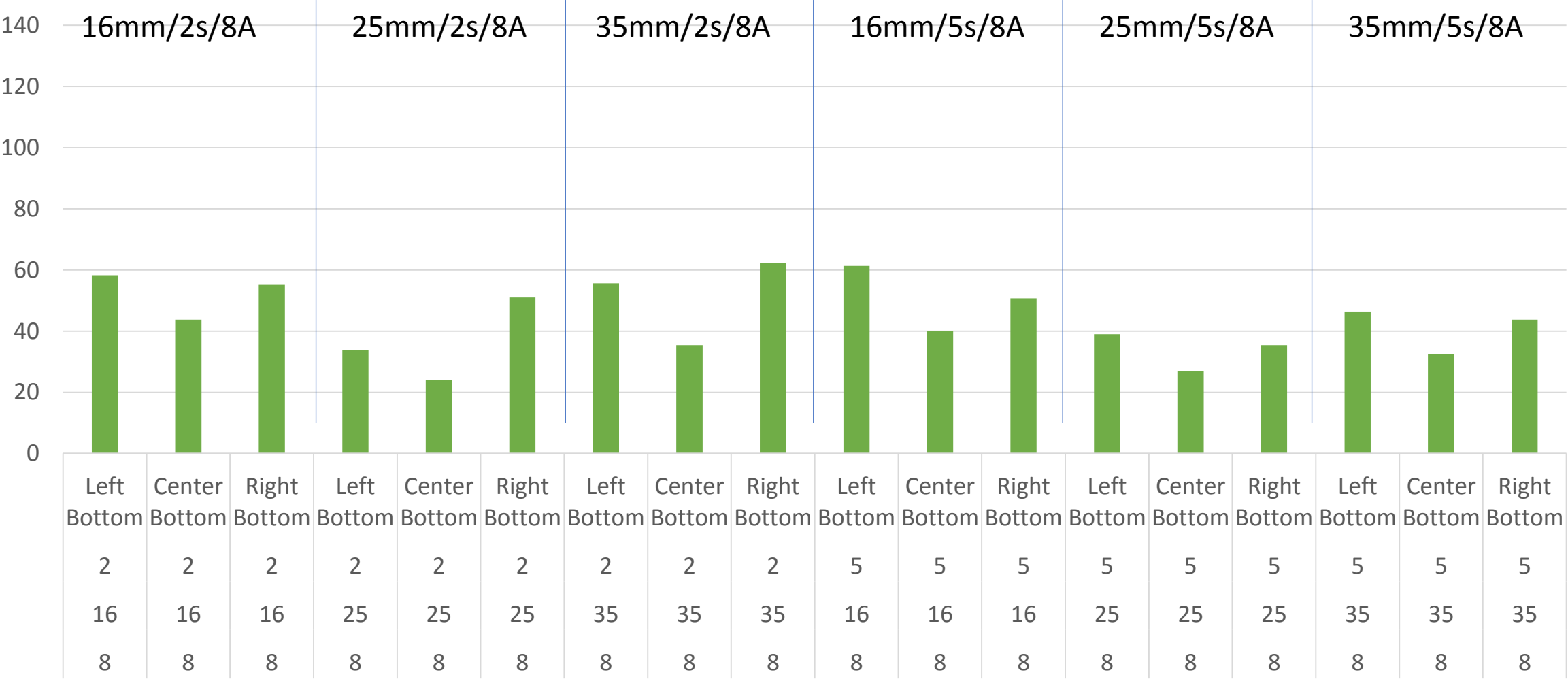


Middle Row LOD Comparison – 2/5sec



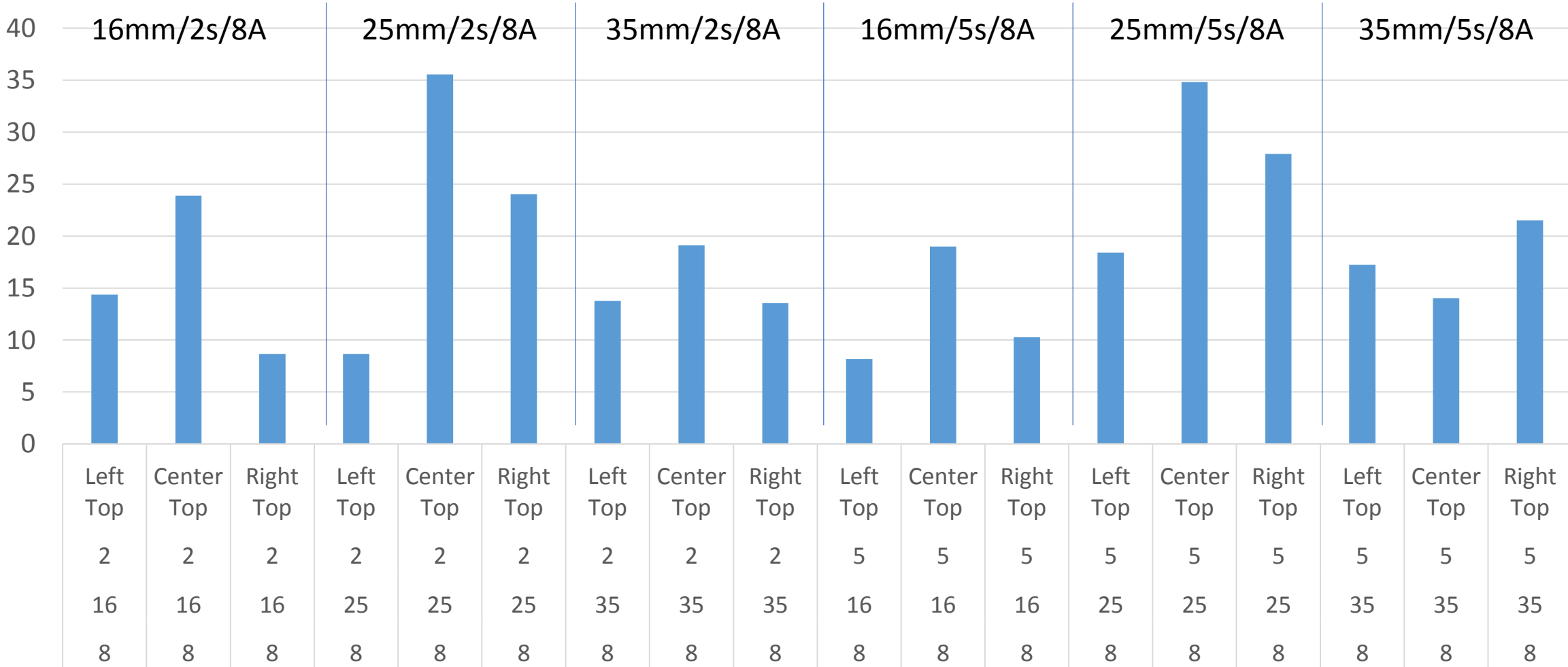
■ Limit of Detection (nM) 1u

Bottom Row LOD Comparison – 2/5sec



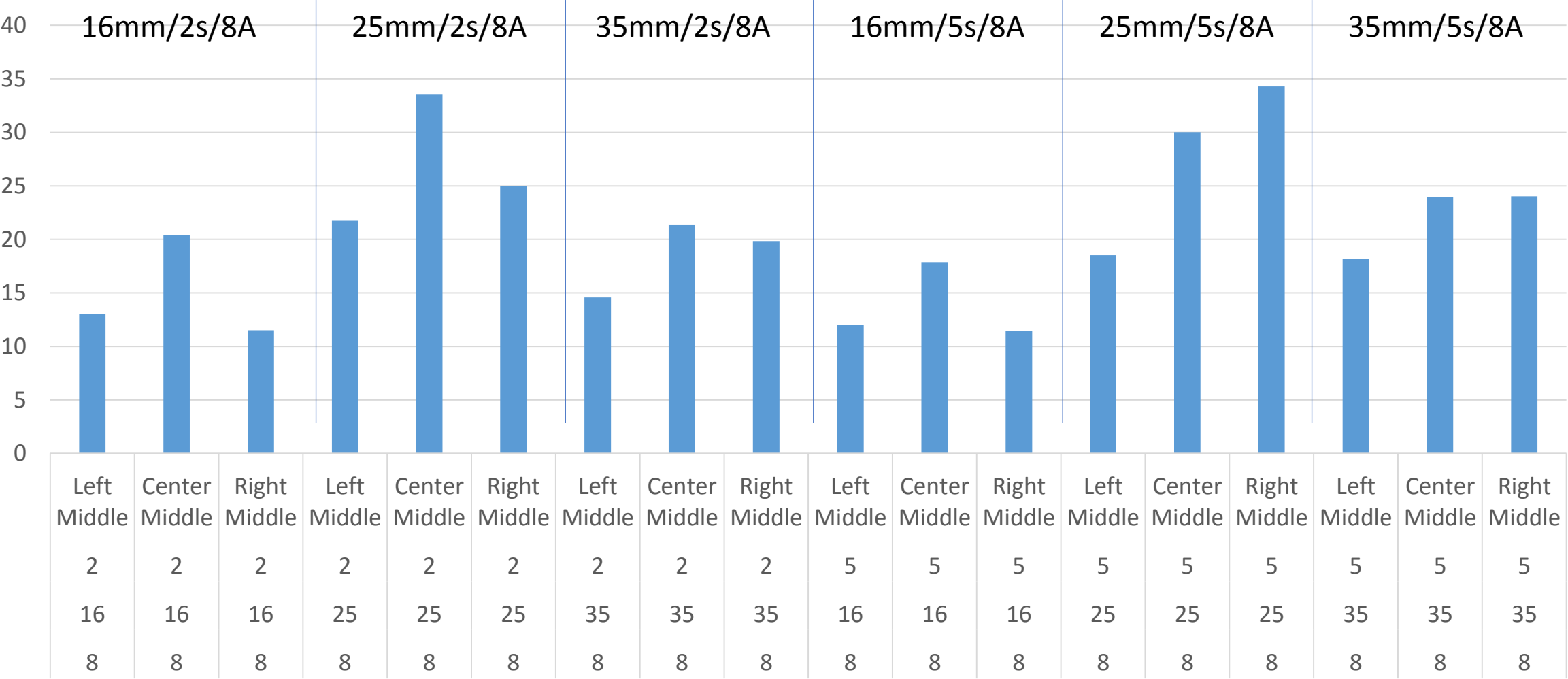
■ Limit of Detection (nM) 1u

Top Row Signal to Noise Comparison – 2/5sec



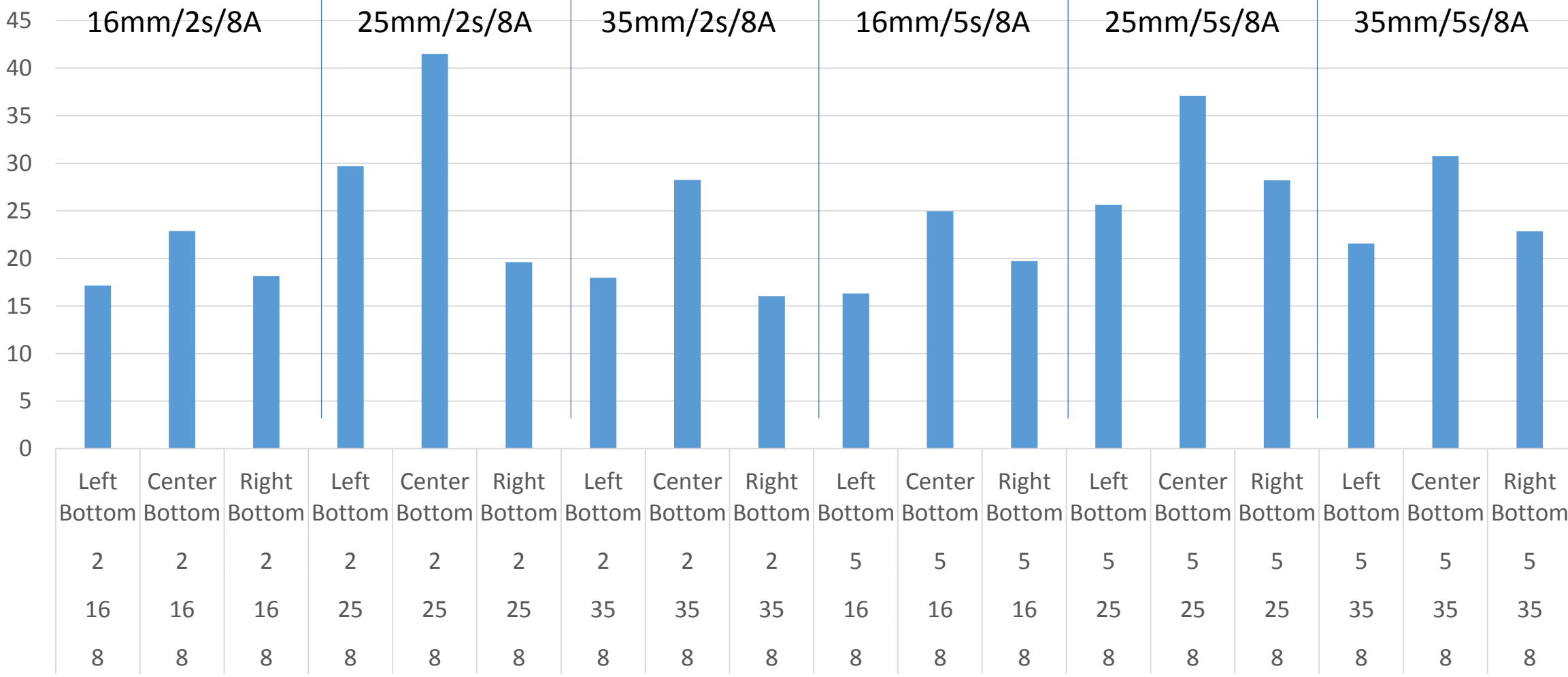
■ Signal to Noise Ratio 1u

Middle Row Signal to Noise Comparison – 2/5sec



■ Signal to Noise Ratio 1u

Bottom Row Signal to Noise Comparison – 2/5sec



■ Signal to Noise Ratio 1u