Results in the small ROI

 $SNR \ ROI = 18.08 +- 0.119$  $SNR \ Ghost = 1.07 +- 0.009$ 

temporal SNR before and after drift correction  $tSNR\ ROI = 33.02\ increases\ to\ 33.25$ 

Results in the large ROI

SNR ROI = 14.88 +- 0.042 SNR Ghost = 1.07 +- 0.002

Maximum Displacement = 56.85 pixels

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