Results in the small ROI

 $SNR \ ROI = 12.89 +- 0.090$  $SNR \ Ghost = 1.07 +- 0.009$ 

temporal SNR before and after drift correction  $tSNR\ ROI = 21.76$  increases to 23.23

Results in the large ROI

SNR ROI = 10.82 +- 0.050 SNR Ghost = 1.08 +- 0.004

Maximum Displacement = 48.41 pixels

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