Results in the small ROI

 $SNR \ ROI = 12.91 +- 0.102$  $SNR \ Ghost = 1.08 +- 0.008$ 

temporal SNR before and after drift correction  $tSNR\ ROI = 21.88$  increases to 23.34

Results in the large ROI

SNR ROI = 10.85 +- 0.042 SNR Ghost = 1.08 +- 0.004

Maximum Displacement = 48.44 pixels

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