Results in the small ROI

 $SNR \ ROI = 18.37 +- 0.114$  $SNR \ Ghost = 1.07 +- 0.008$ 

temporal SNR before and after drift correction  $tSNR\ ROI = 33.42\ increases\ to\ 33.69$ 

Results in the large ROI

 $SNR \ ROI = 15.12 +- 0.042$  $SNR \ Ghost = 1.07 +- 0.002$ 

Maximum Displacement = 56.09 pixels

Results in the small ROI

SNR ROI = 18.77 +- 0.104SNR Ghost = 1.06 +- 0.008

temporal SNR before and after drift correction  $tSNR\ ROI = 34.30$  increases to 34.55

Results in the large ROI

SNR ROI = 15.50 +- 0.034SNR Ghost = 1.07 +- 0.002

Maximum Displacement = 57.18 pixels



