Dartmouth Brain Imaging Center (DBIC)
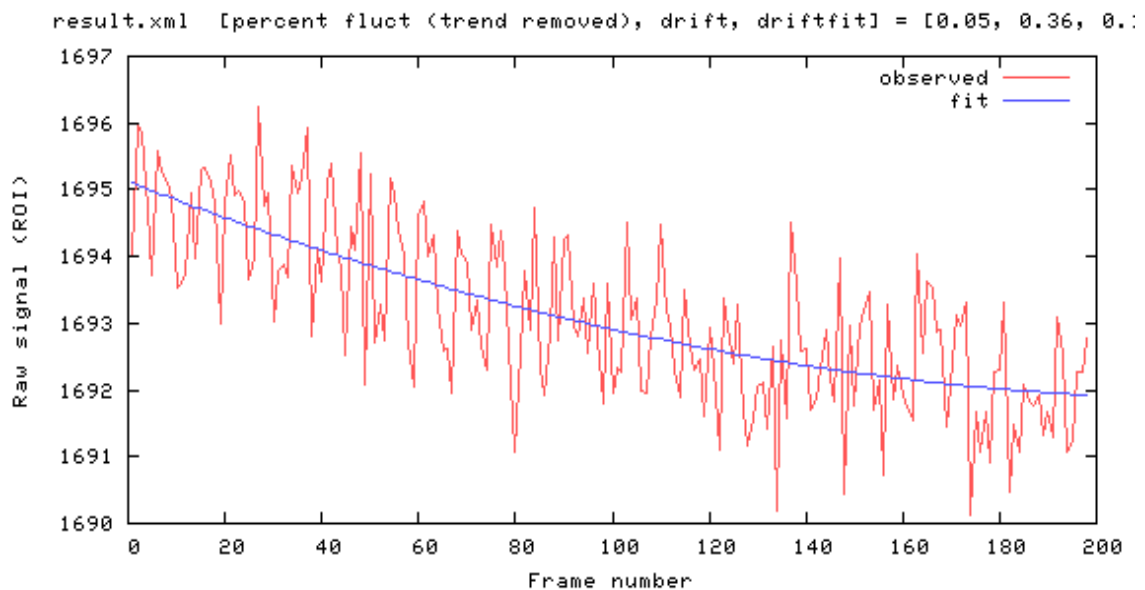
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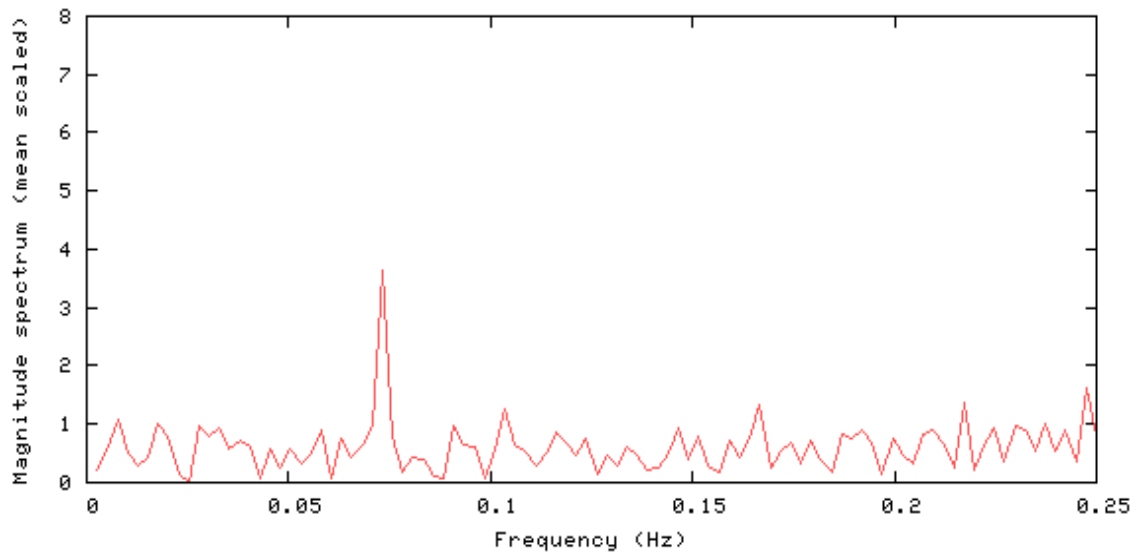## Measurements

Measurments	Value
mean signal (mean)	1693.1
Signal to Noise Ratio (SNR)	273.3
Signal to Fluctuation Ratio (SFNR)	267.6
Percent Fluctuation	0.05
Drift	0.36
Radius of Decorrelation (RDC)	6.6
Mean Ghost Percentage	2.035
Standard Deviation (std)	0.91

Signal

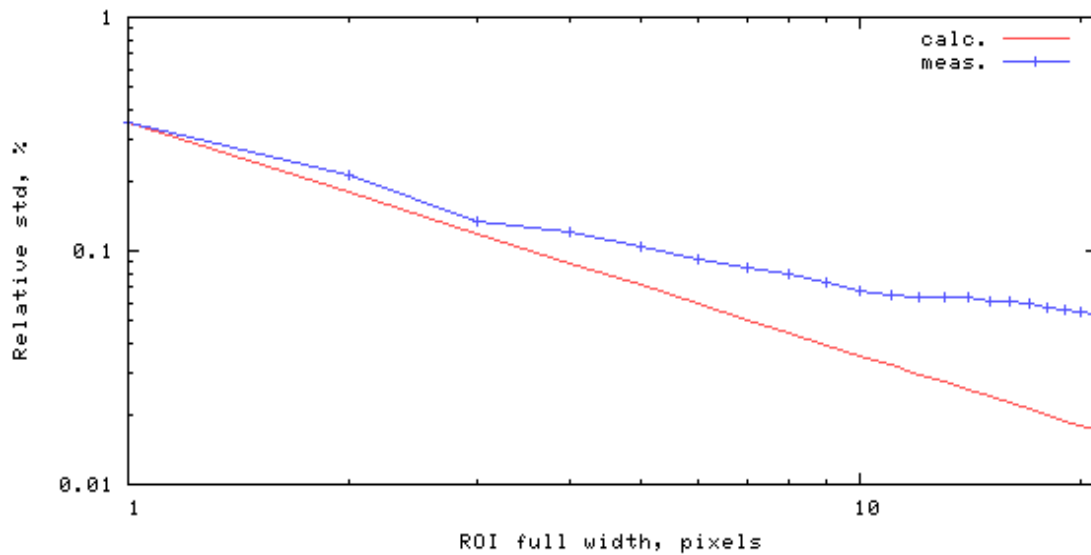result.xml [percent fluct (trend removed), drift, driftfit] = [0.05, 0.36, 0.

Frequence Spectrum

[mean, SNR, SFNR] = [1693.1 273.3 267.6]
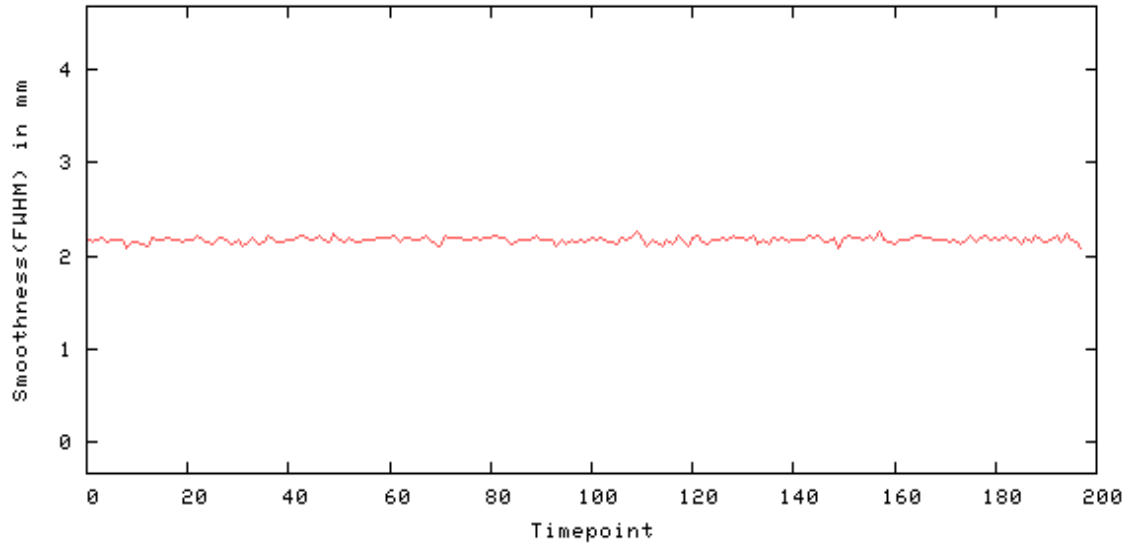

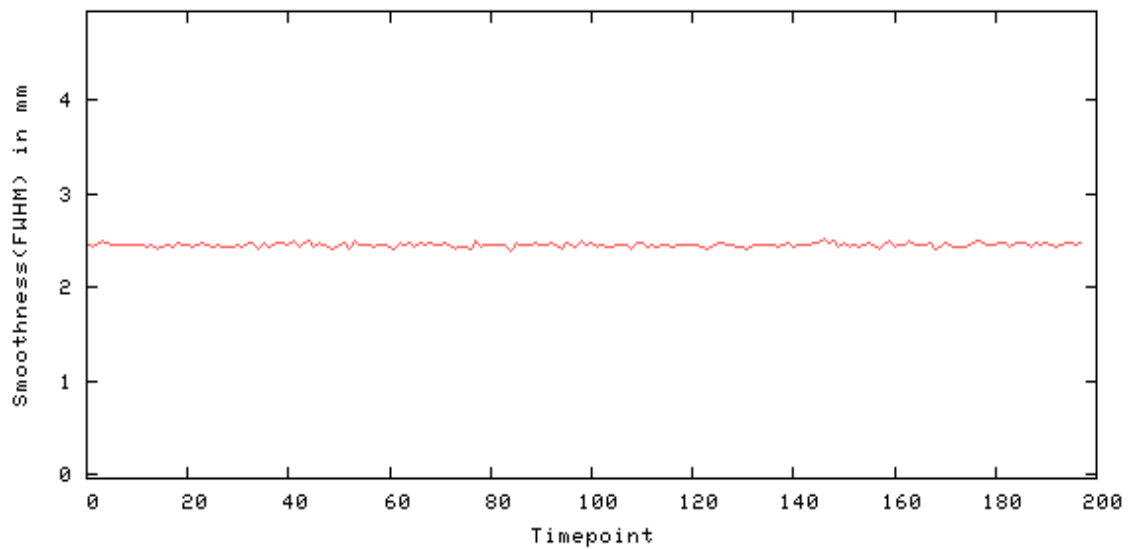# Raduis of Decorrelation

rdc = 6.6 pixels

Smoothness -X

Smoothness(FWHM) in mm - X: [min mean max] = [2.084 2.169 2.262]
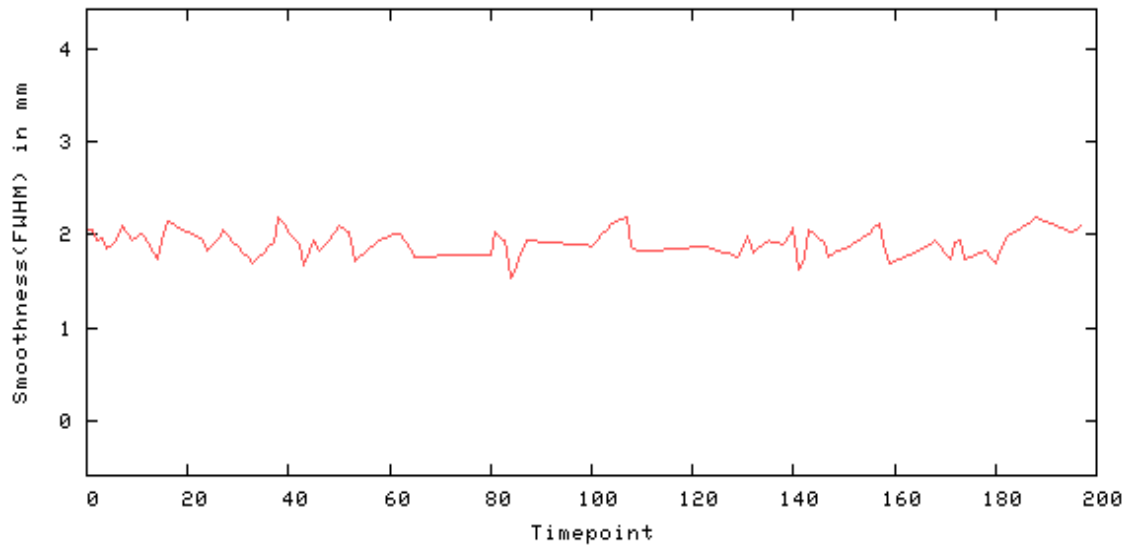

Smoothness -Y

Smoothness(FWHM) in mm - Y: [min mean max] = [2.393 2.457 2.513]
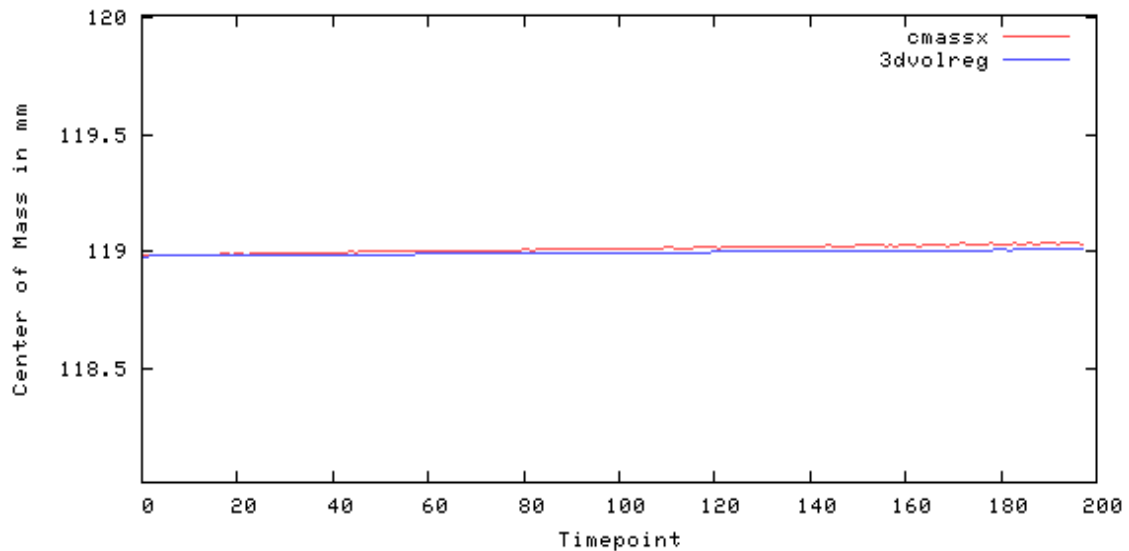
Smoothness -Z

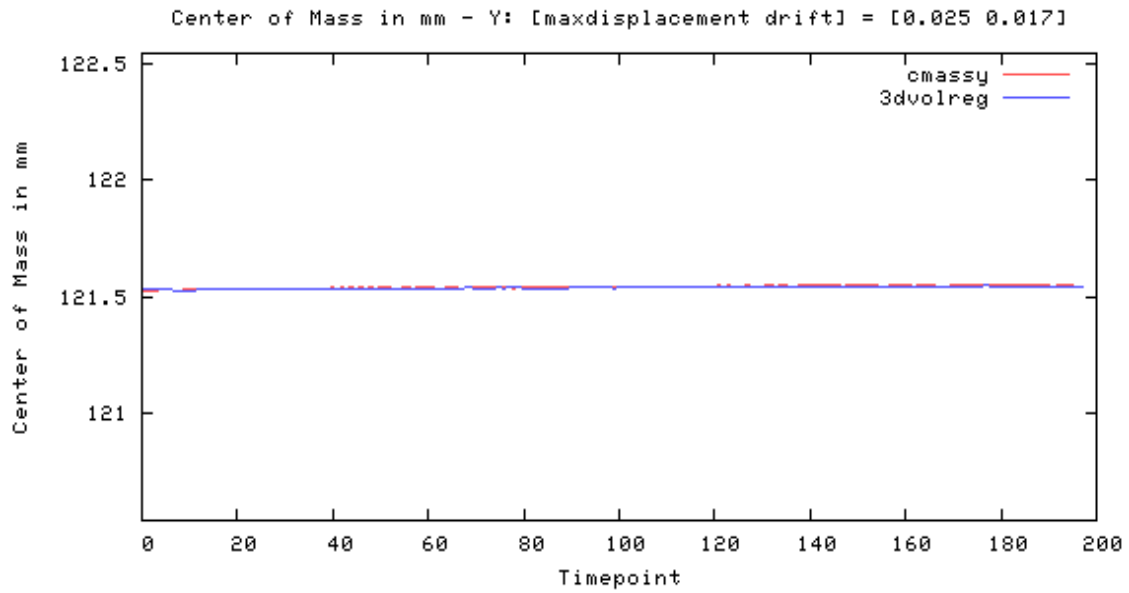Smoothness(FWHM) in mm - Z: [min mean max] = [1.536 1.920 2.188]
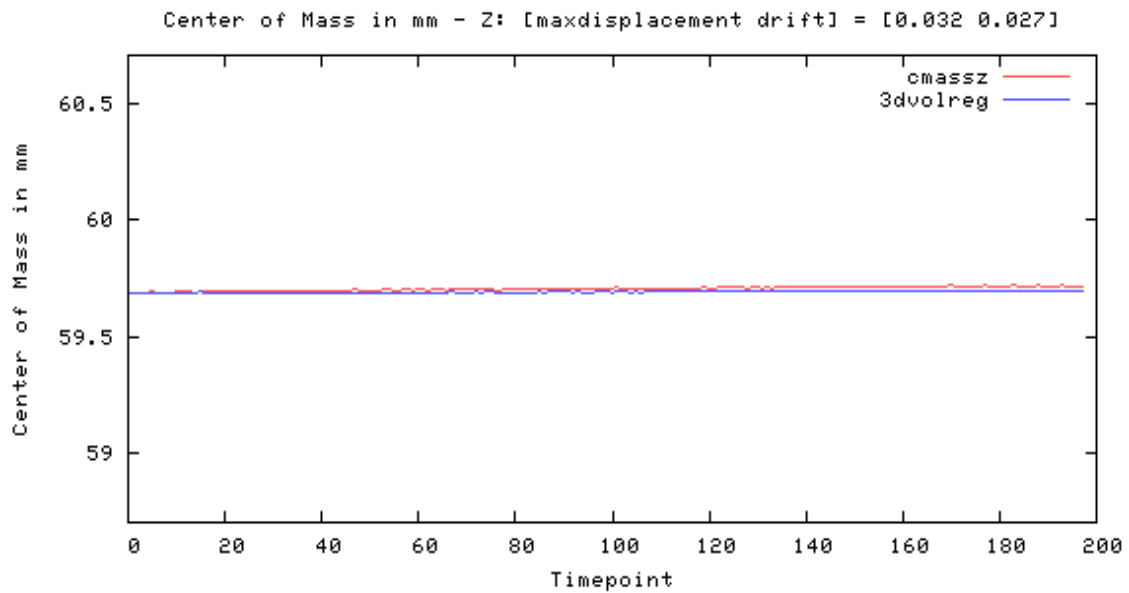

Center of Mass -X

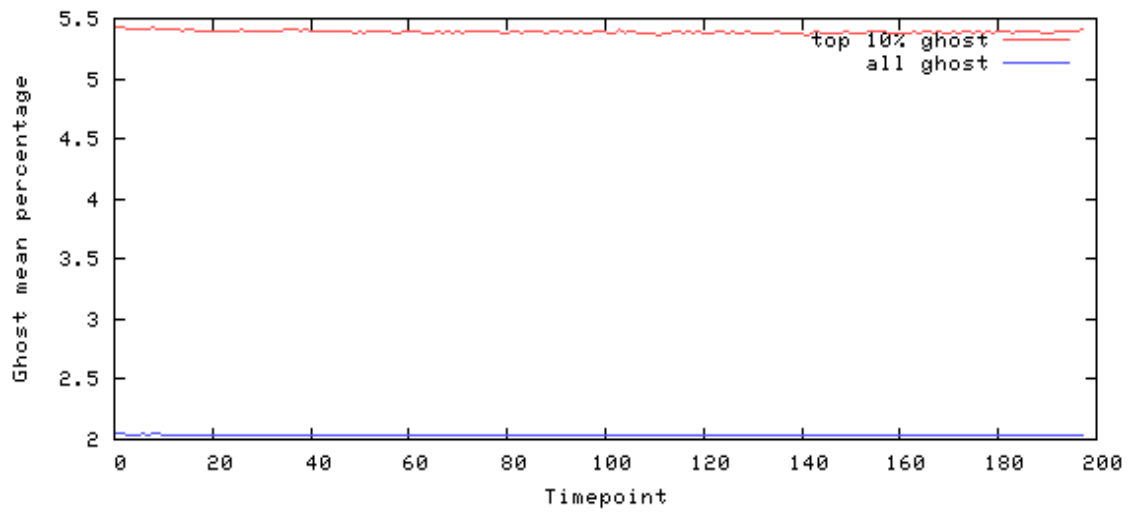Center of Mass in mm - X: [maxdisplacement drift] = [0.057 0.053]

Center of Mass -Y

Center of Mass in mm - Y: [maxdisplacement drift] = [0.025 0.017]

Center of Mass -Z

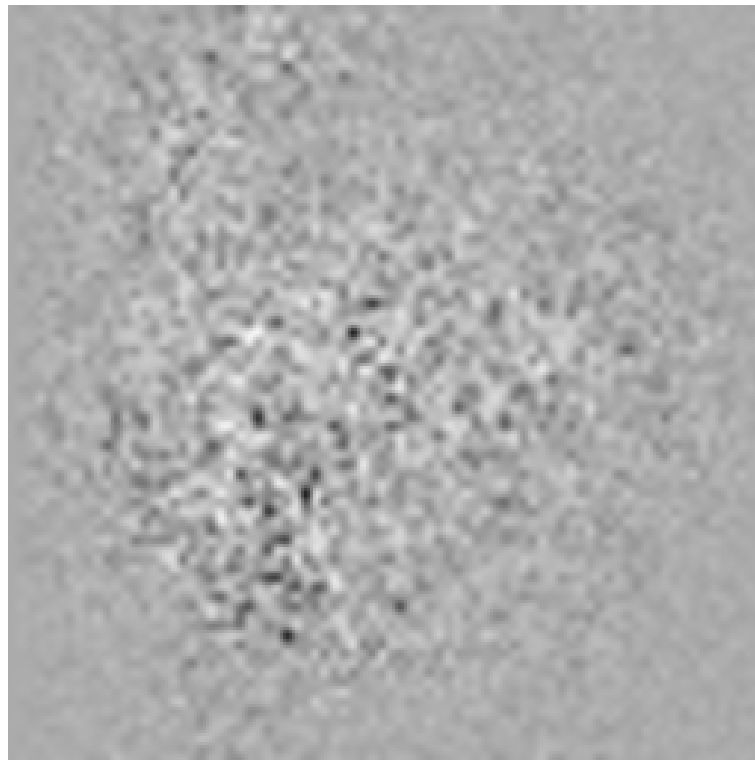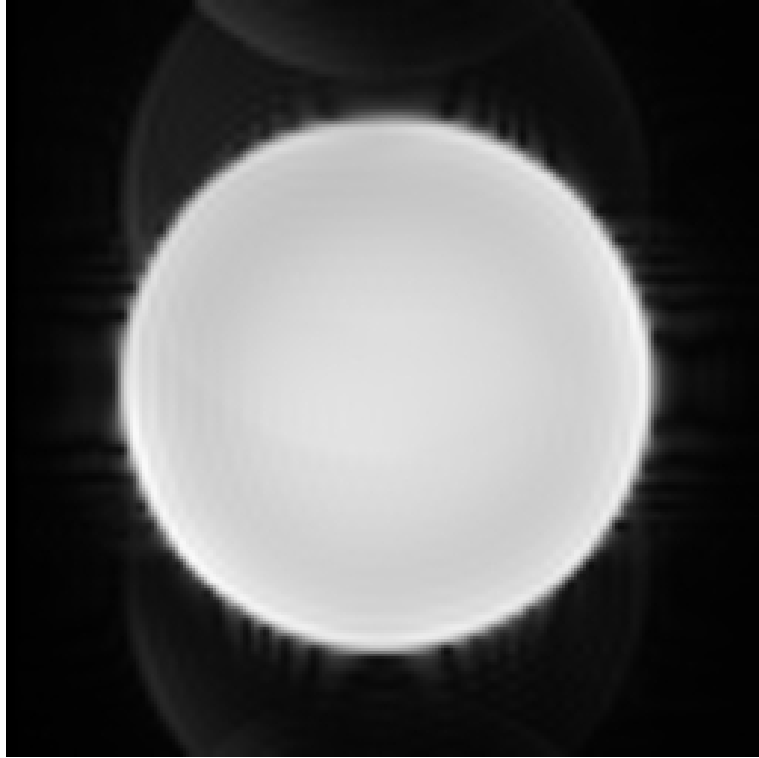Center of Mass in mm - Z: [maxdisplacement drift] = [0.032 0.027]

Ghost

Mean of ghost voxels as % of non-ghost [masked] mean
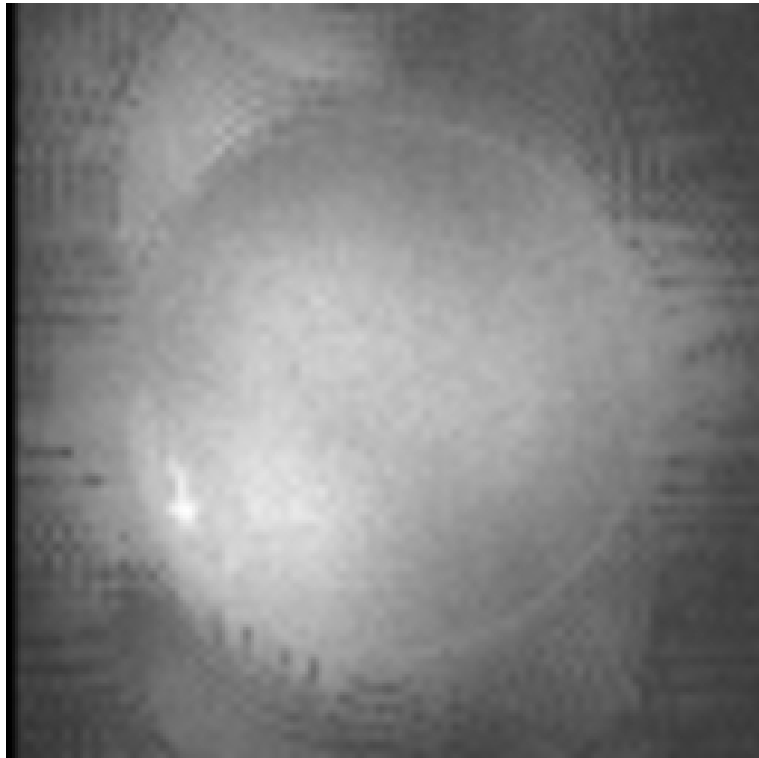(ghostmean, brightghostmean) = (2.035, 5.391)
(lower is better)

Odd-Even Difference Image

Mean Image

Standard Deviation Image

SFNR Image