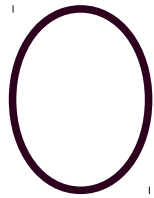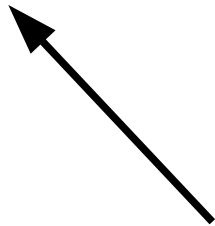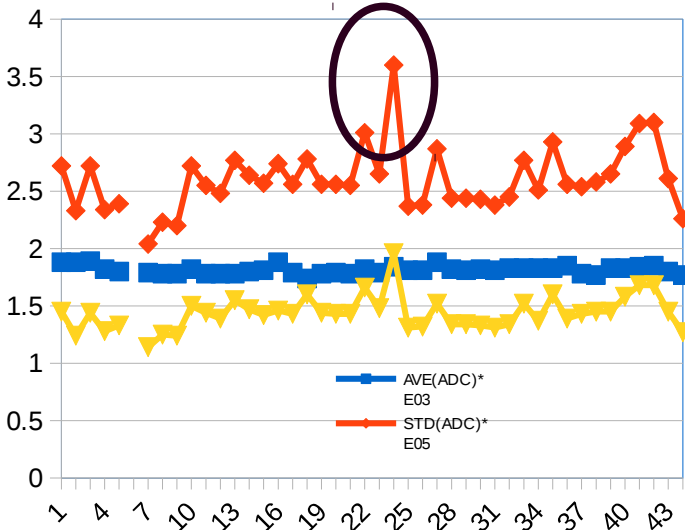# Comparison across Sites:
CMH- MRC- ZHH (no ASSET)

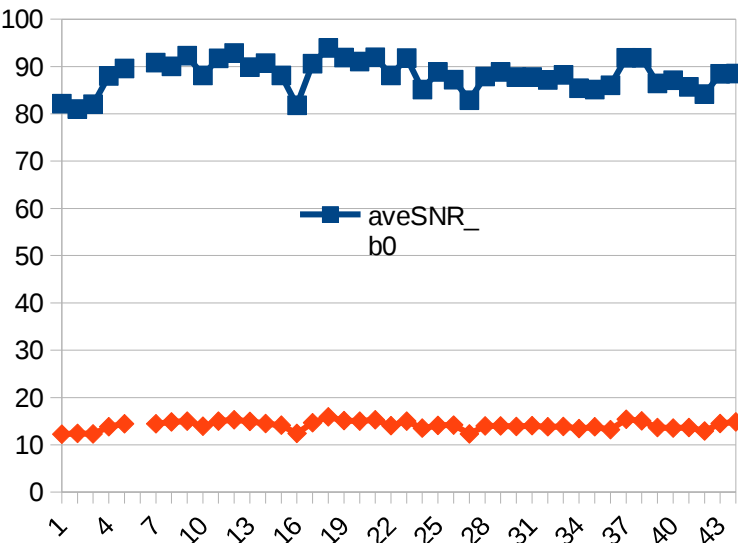Means that this data is an outlier/ unusual

Means that the trend in the data seems to change from this time point forward

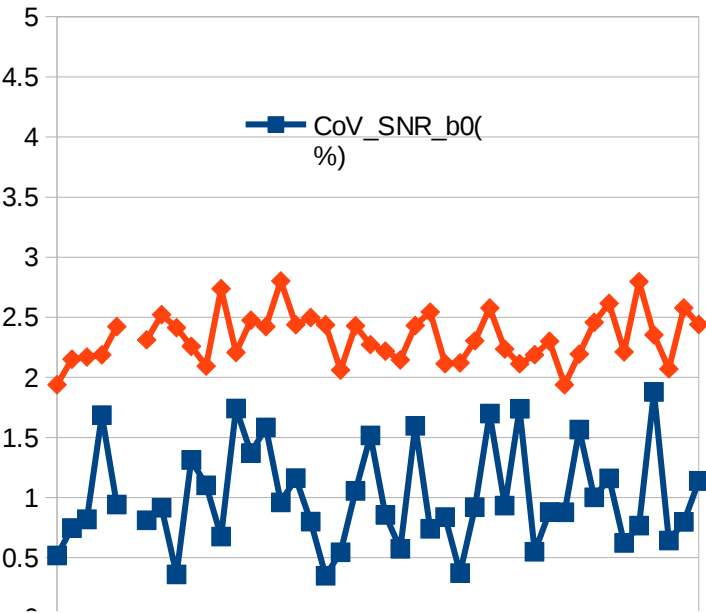# CMH

ADC no ASSET
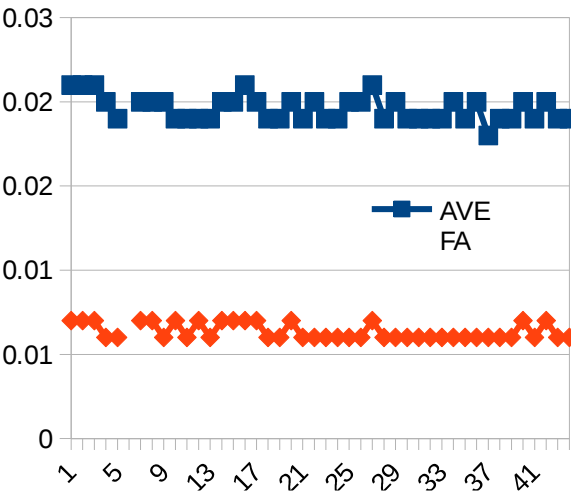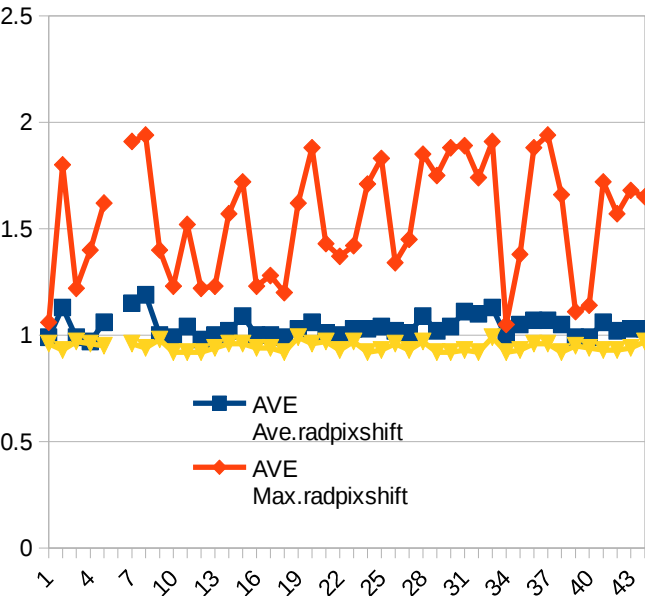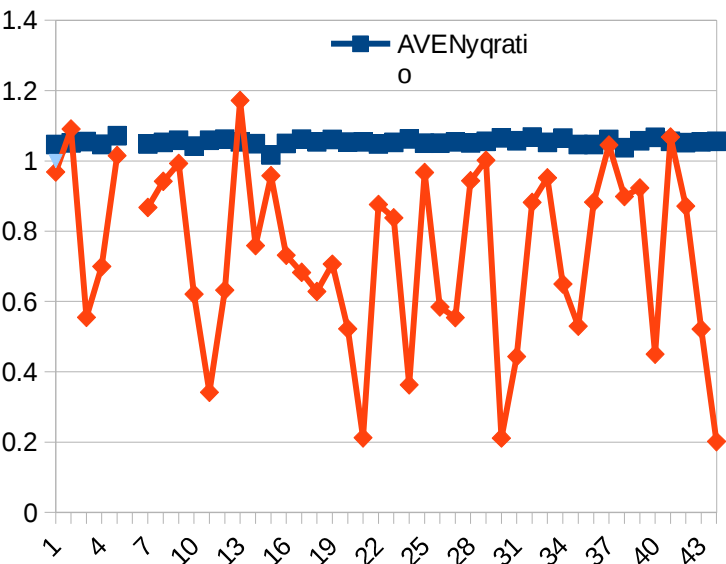

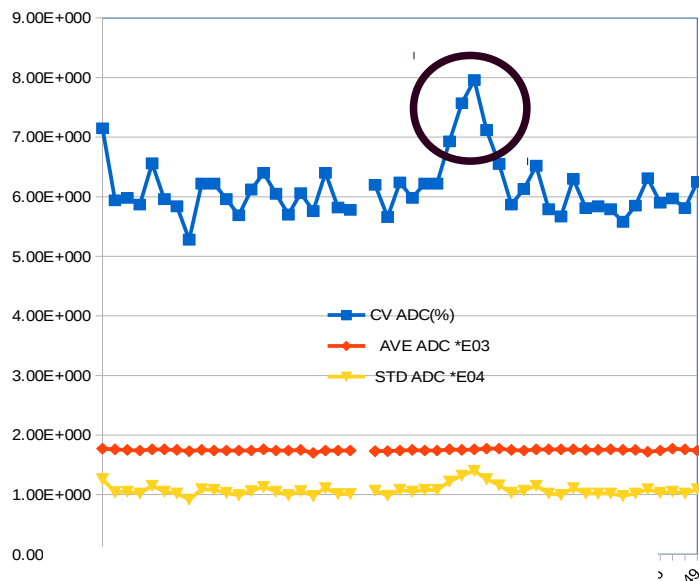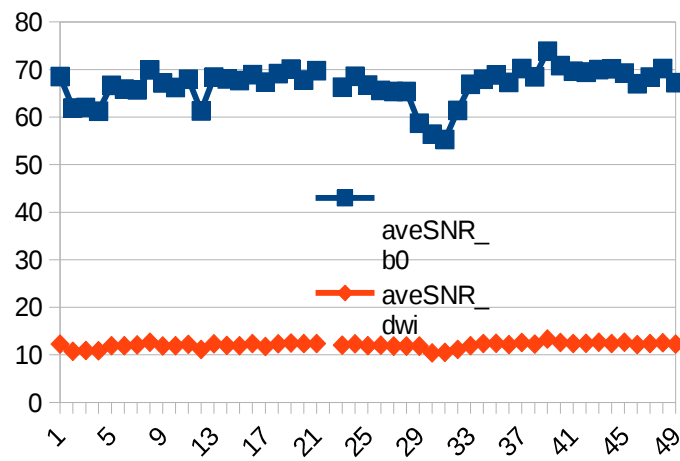## SNR no ASSET

FA no ASSET

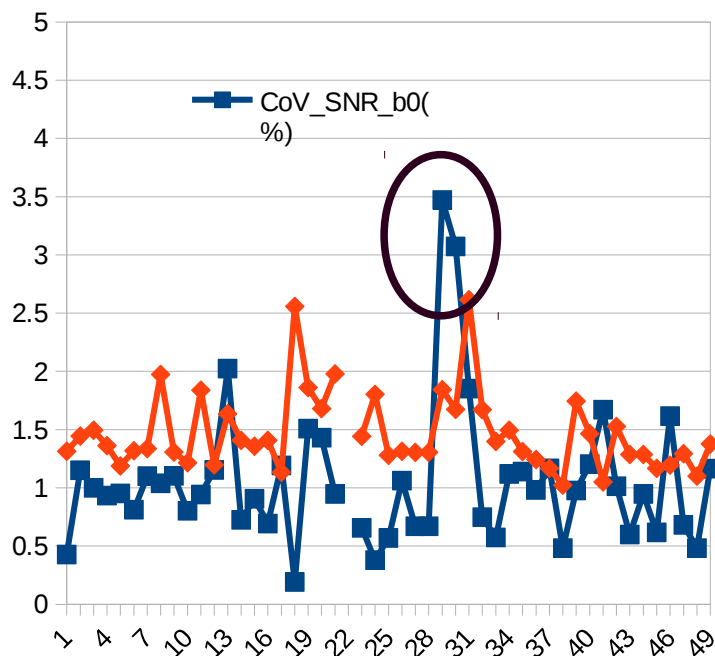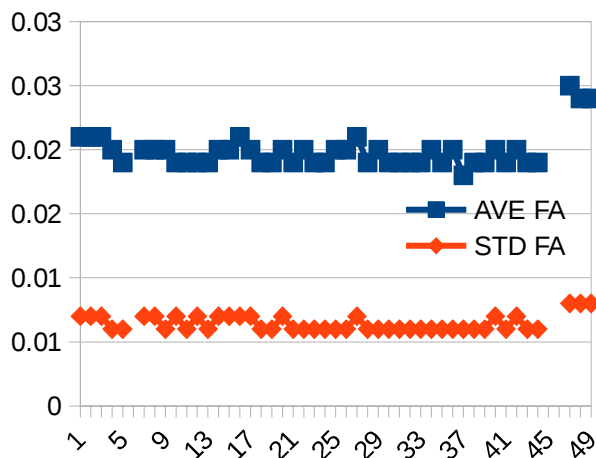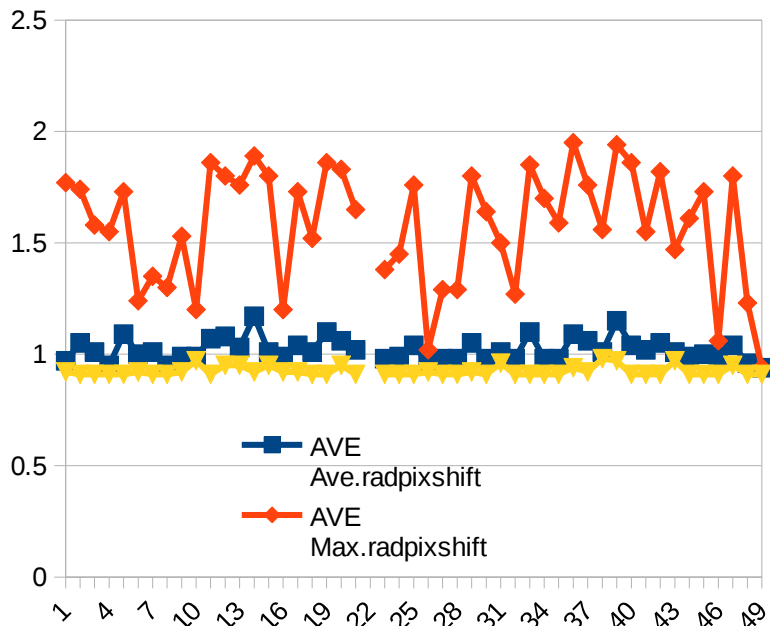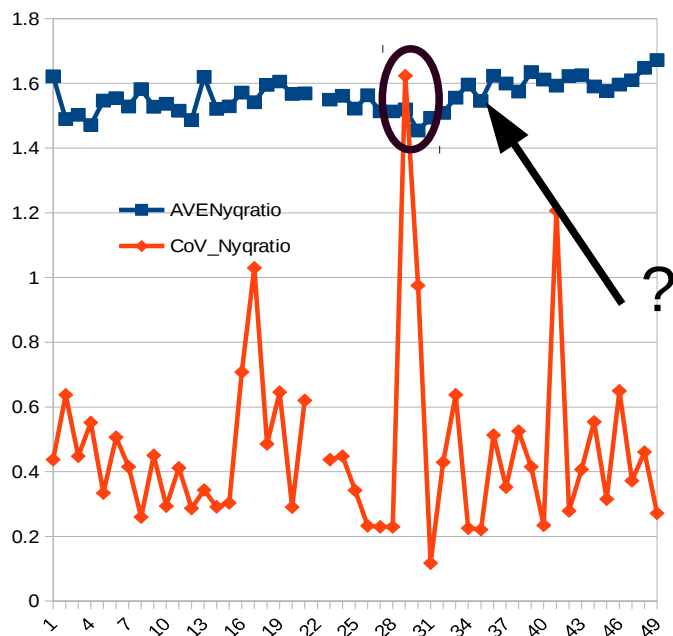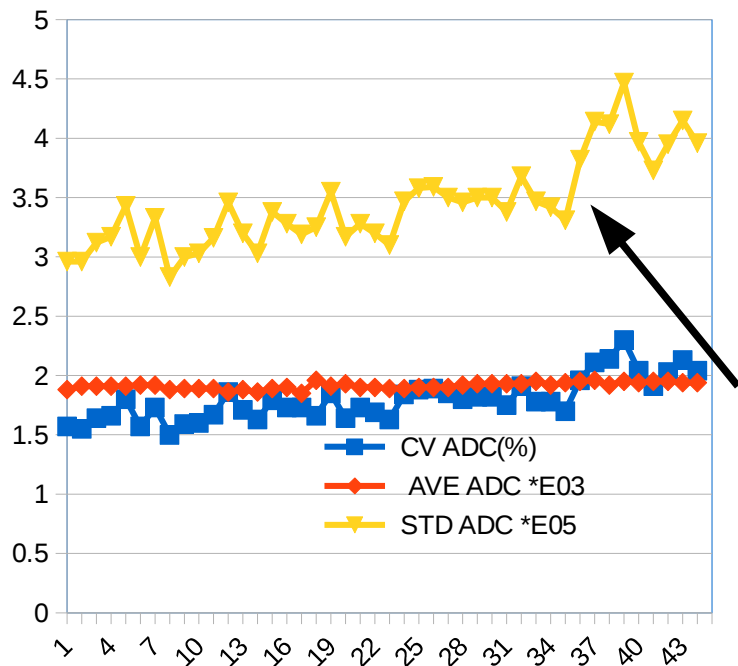## Eddy Current: Pixel Shifts no ASSET

Nyquist Ghost

MRC

ADC no ASSET

SNR no ASSET

FA no ASSET

CoV_SNR_b0(%)

Eddy Current: Pixel Shifts no ASSET

Nyquist Ghost

ZHH

ADC no ASSET

Legend:
- CV ADC(%)
- AVE ADC *E03
- STD ADC *E05

SNR no ASSET

Legend:
- aveSNR_b0
- aveSNR_dwi

FA no ASSET

Legend:
- AVE FA

Legend:
- CoV_SNR_b0(%)
- CoV_SNR_dwi(%)

Eddy Current: Pixel Shifts no ASSET

Legend:
- AVE Ave.radpixshift
- AVE Max.radpixshift
- AVE Ave.colpixsh

Legend:
- AVENyqratio
- CoV_Nyqratio
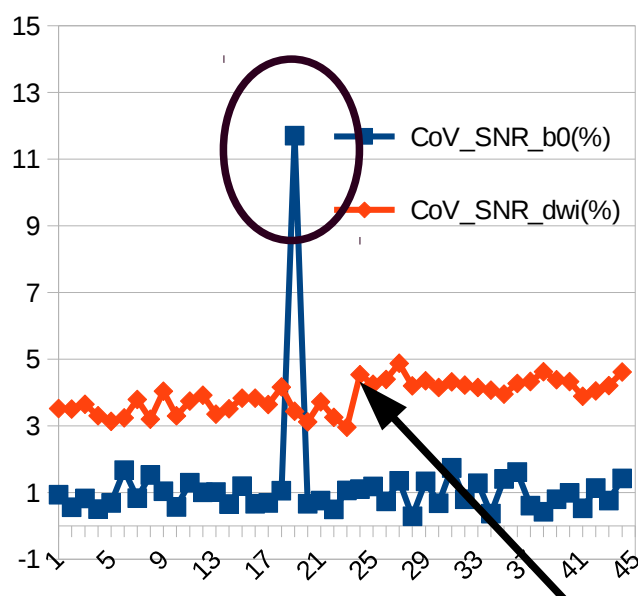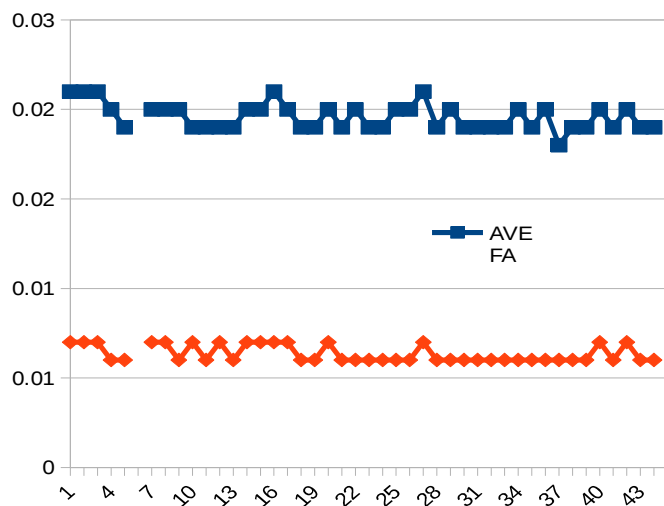
Investigating the outliers a little more closely...

ZHH_PHA_FBN0019

Looking into data in more detail reveals problem with data at time point #19:

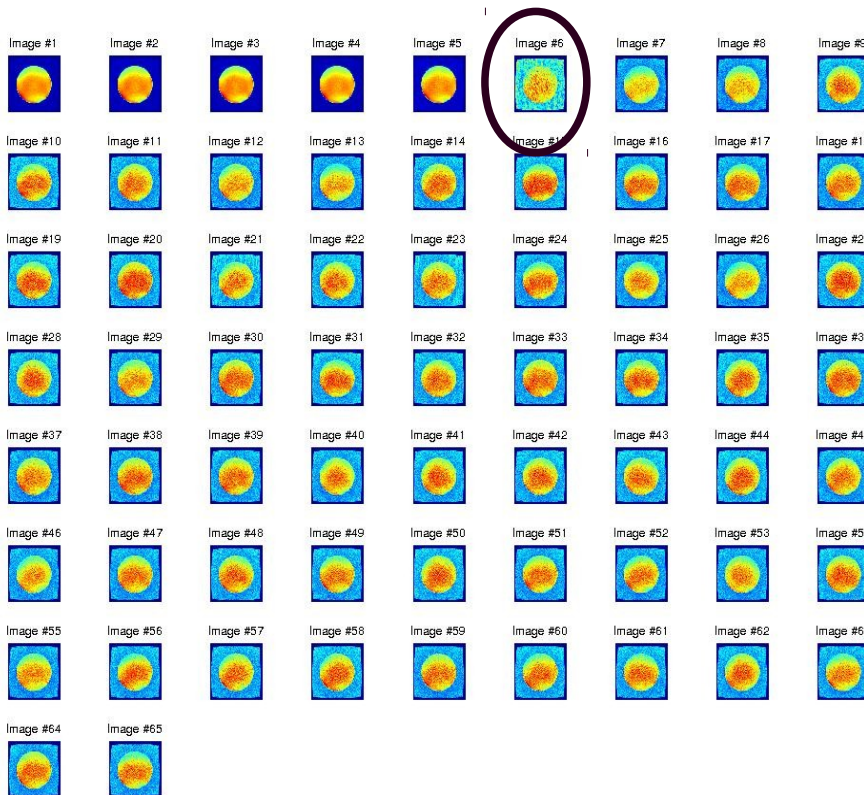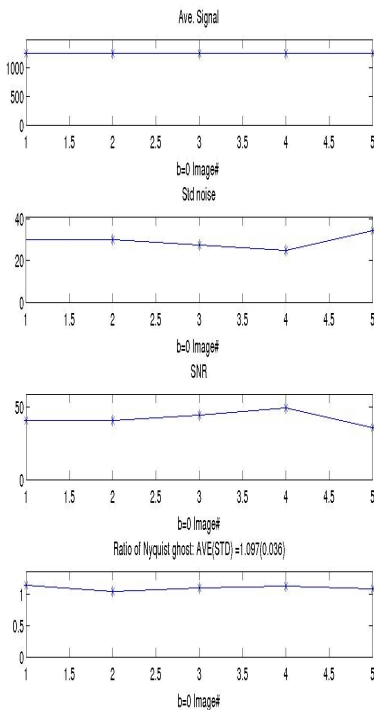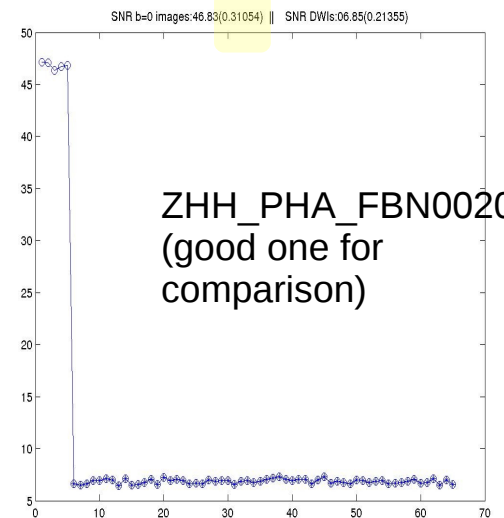- elevated background noise level for 1st grad dir (not apparent in SNR measure.. why??)

- changing std(noise) across 5 b=0 (don't see it in images, see it in plots)
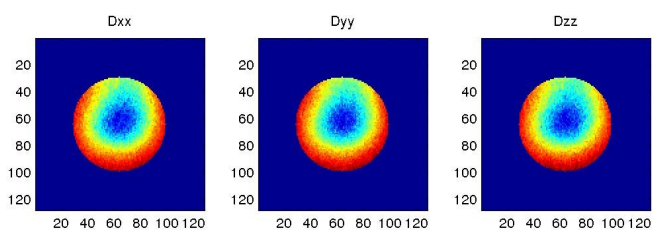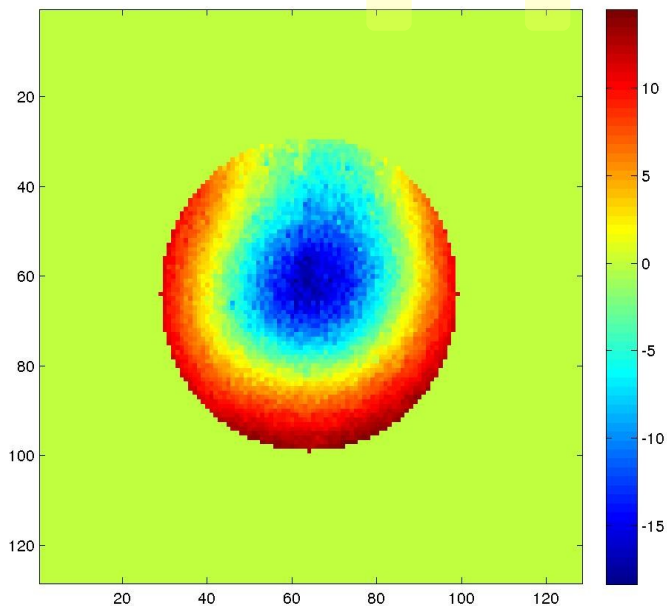

ZHH_PHA_FBN0020 (good one for comparison)

ZHH_PHA_FBN0019
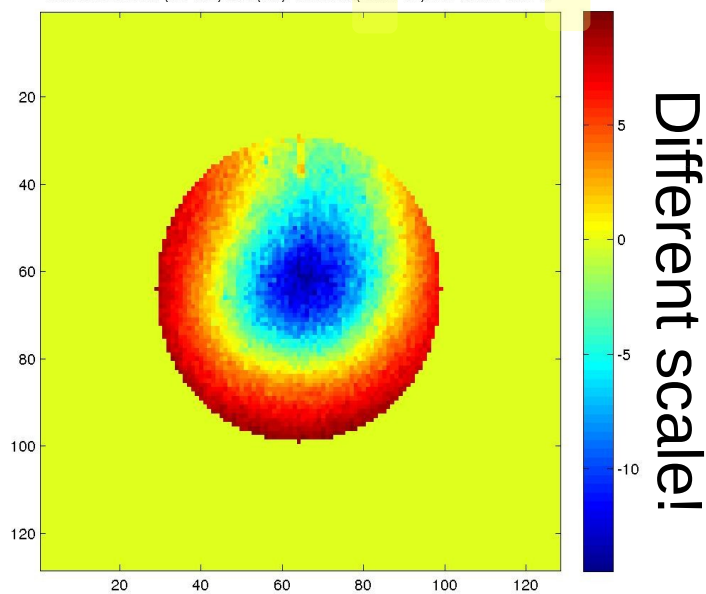
MRC_PHA_FBN0031 Bad data

MRC_PHA_FBN0034 Good data

Different scale!

normalised ADC (wrt ave): ave(std)=1.76e-03(1.40e-04) mm²/s CV=7.96%

normalised ADC (wrt ave): ave(std)=1.75e-03(1.03e-04) mm²/s CV=5.87%

Dxx Dyy Dzz

Dxx Dyy Dzz
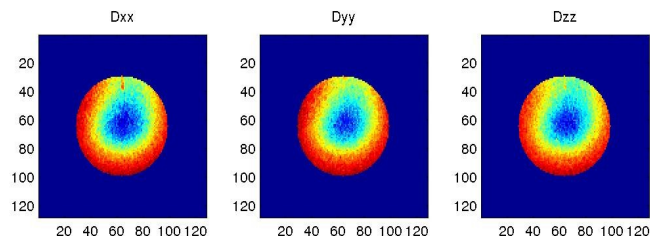
Looking into data in more detail reveals problem with data at time points #29-#32:

- elevated ADC and std(ADC), not apparent why from images? Maybe change in phantom temperature?