

XPCS Analysis Report for uid=9388ab

1. Metadata

uid: 9388ab

Sample: AuNP on 500X500 sheet 90:10 Gly-Wat

Measurement: AuNP_2DSheet 10000 fr X 0.002 exp

Wavelength: 1.28468 Å

Detector-Sample Distance: 4.84 m

Beam Center: [1227, 1261] (pixel)

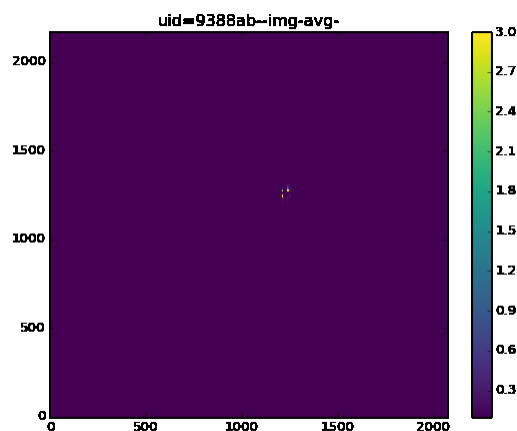
Mask file: /XF11ID/analysis/2016_2/masks/fcdba400-4b7e_mask.npy

Data dir: /XF11ID/analysis/2016_2/yuzhang/Results/August/9388ab/

Pipeline notebook: /2016_2/yuzhang/August/XPCS_SAXS_Template_August_Corrected-Rep-Copy1.ipynb

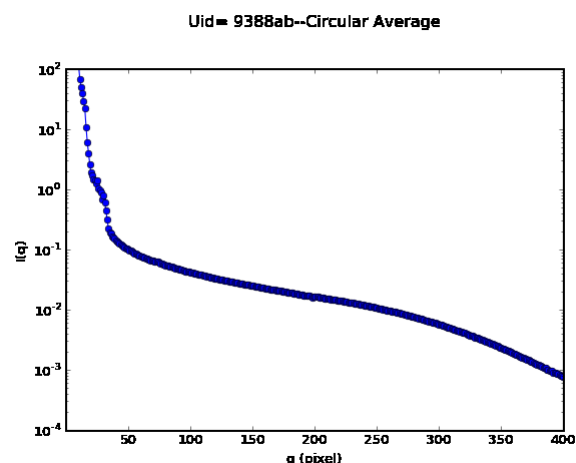
2. Static Analysis

Average Intensity Image



filename: uid=9388ab--img-avg-.png

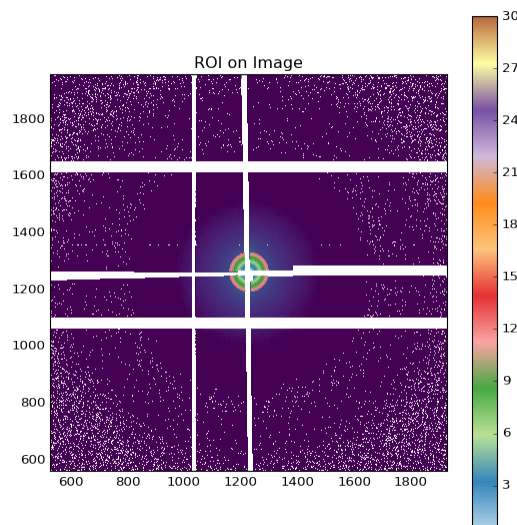
Circular Average



filename: uid=9388ab--Circular-Average-.png

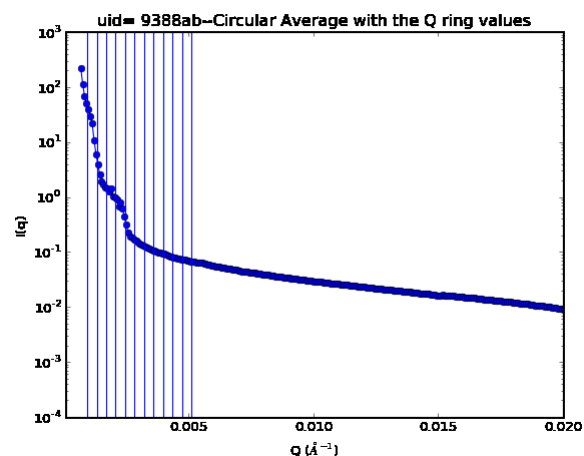
3. Define of ROI

ROI on Image



filename: uid=9388ab--ROI-on-Image-.png

ROI on Iq

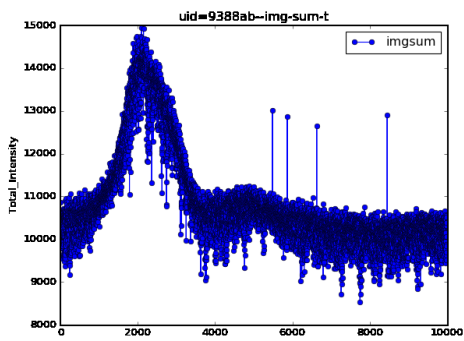


filename: uid=9388ab--ROI-on-Iq-.png

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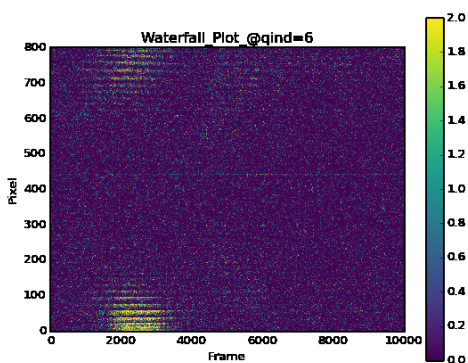
4. Time Dependent Plot

img sum ~ t



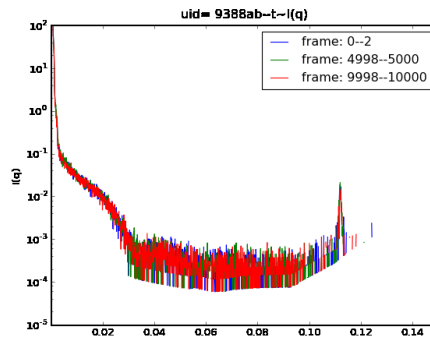
filename: uid=9388ab--img-sum-t.png

waterfall plot



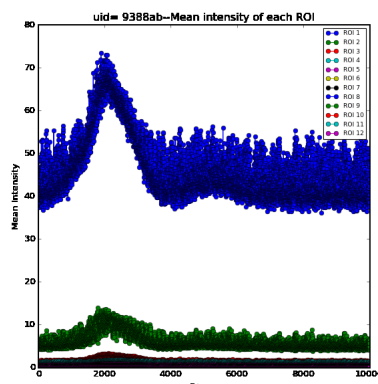
filename: uid=9388ab--Waterfall-.png

iq ~ t



filename: uid=9388ab--Iq-t.png

Mean-intensity-of-each-ROI

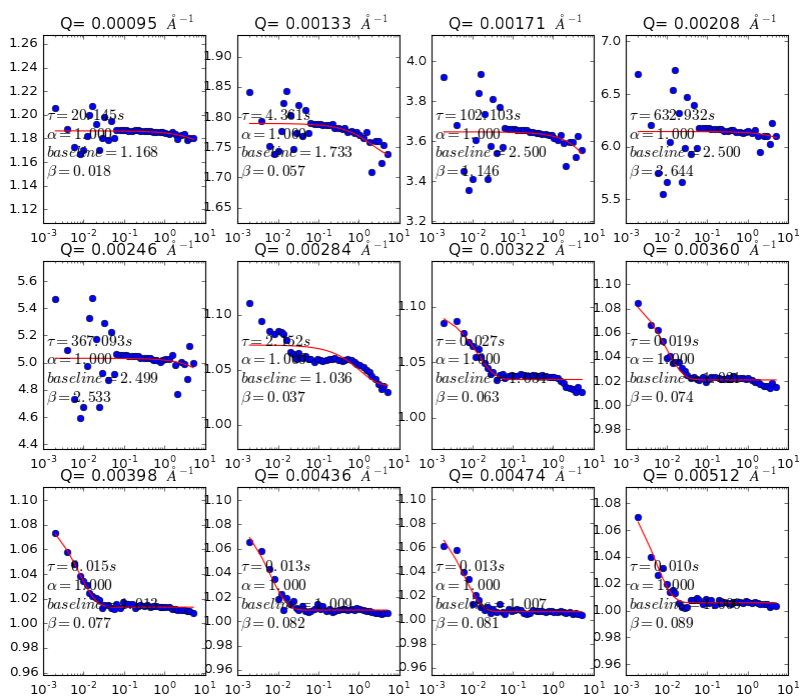


filename: uid=9388ab--Mean-intensity-of-each-ROI-.png

5. One Time Correlation Function

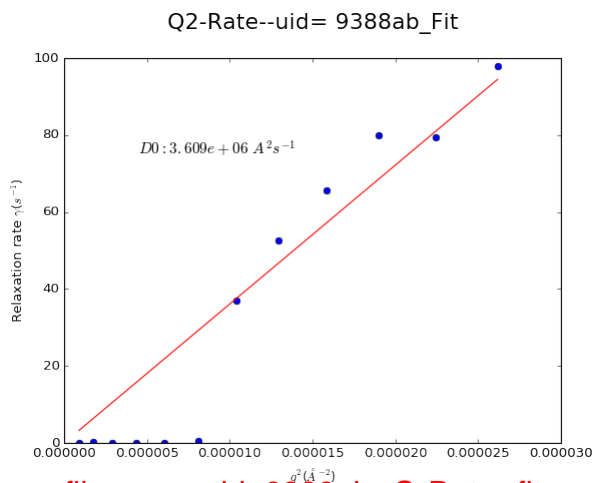
g2 fit plot

uid= 9388ab



filename: uid=9388ab--g2--fit-.png

q-rate fit plot

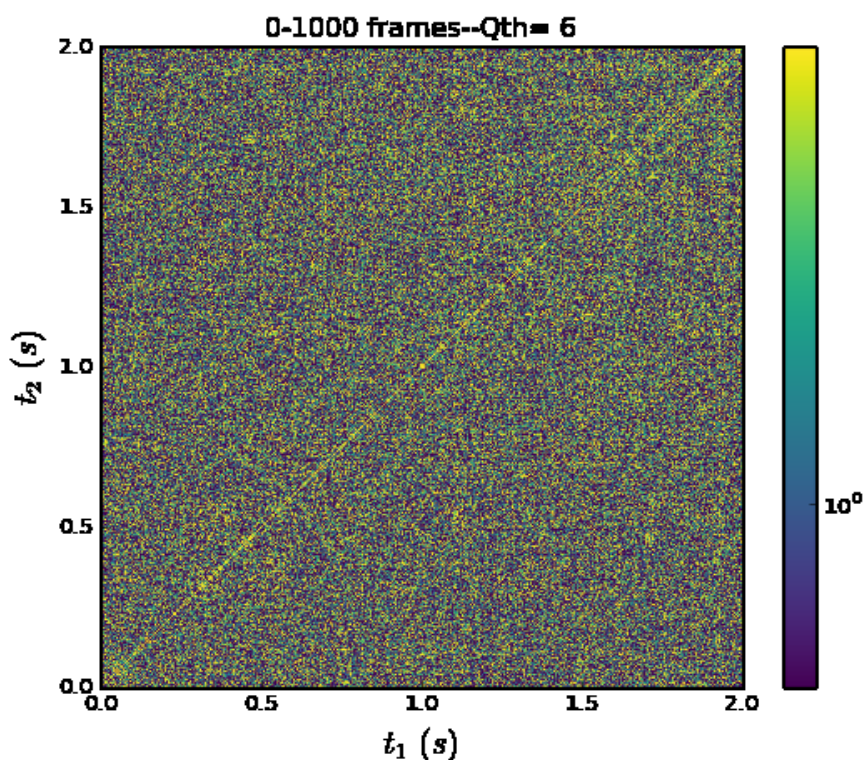


filename: uid=9388ab--Q-Rate--fit-.png

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6. Two Time Correlation Fucntion

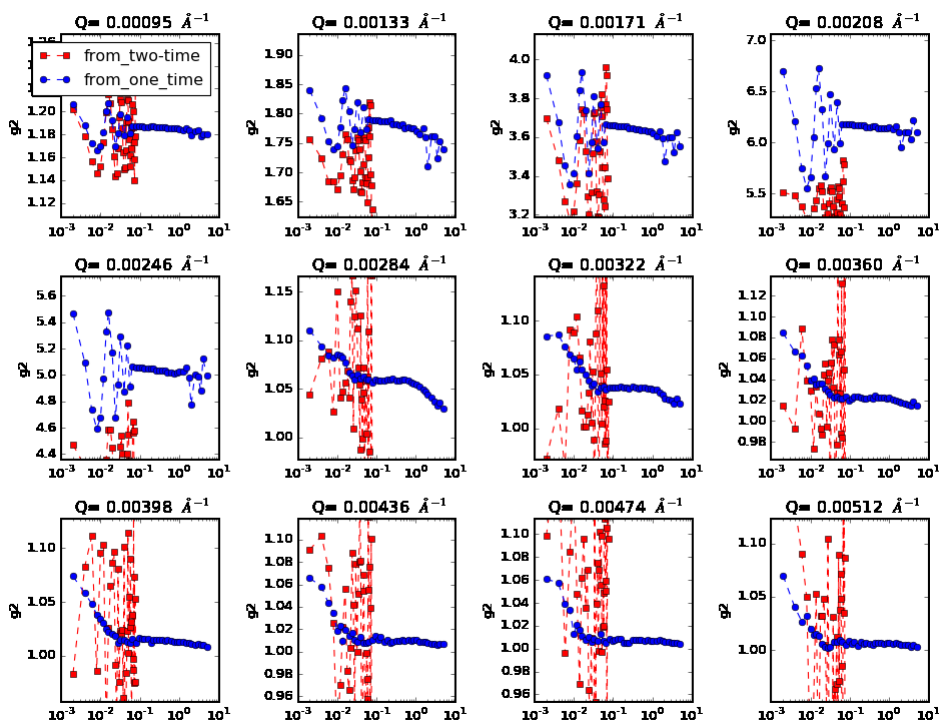
two time correlation fucntion



filename: uid=9388ab--Two-time-.png

compared g2

uid=9388ab



filename: uid=9388ab--g2--two-g2-.png