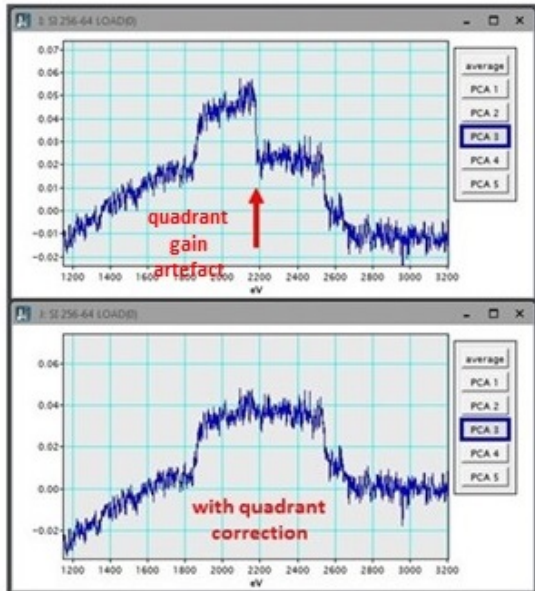


Tridiem and Quantum GIF cameras sometimes suffer of unequal gain among the camera quadrants. This creates an offset in the EELS spectrum around pixel 1024 (middle of the camera). Such artifacts might show up in the loadings of minor PCA components. The advanced version of **temDM MSA** employs a special algorithm to correct for that.



Settings

convergence angular

PCA:max deviation 0.02

PCA:max iterations 50

outlier:find in score

outlier:remove channels

outlier:threshold 4.0

outlier:correction shift 2

outlier:load averaging 7

SVD:iterations 5

quadrant correction:on

aniso.threshold 1.0

OK Cancel

When the option **quadrant correction:on** is activated, the PCA loadings are automatically corrected to compensate for the quadrant unequal gain.