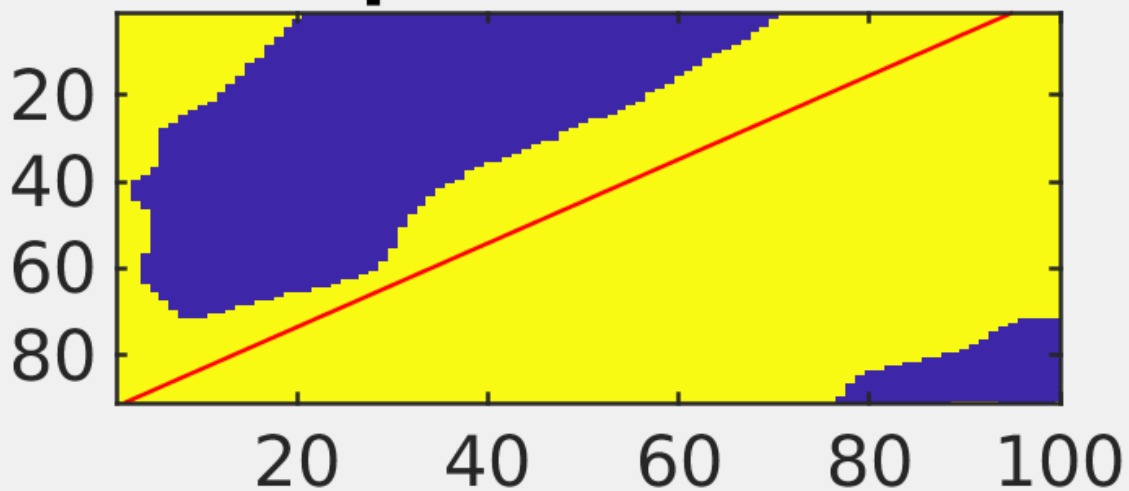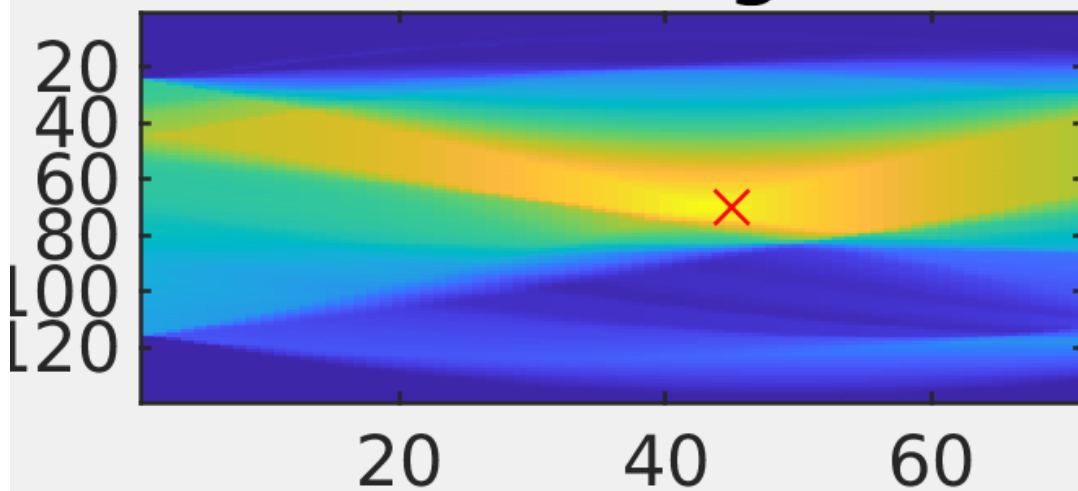# Improved method for radon line detection

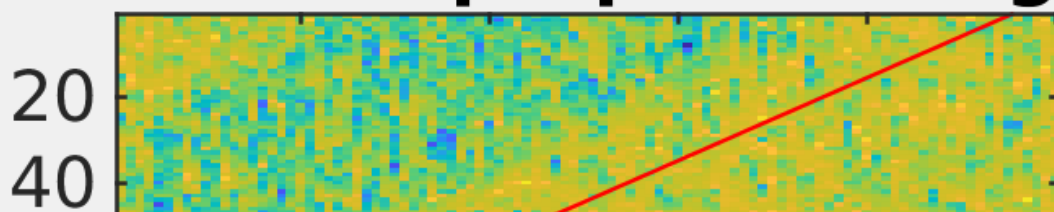## input to radon
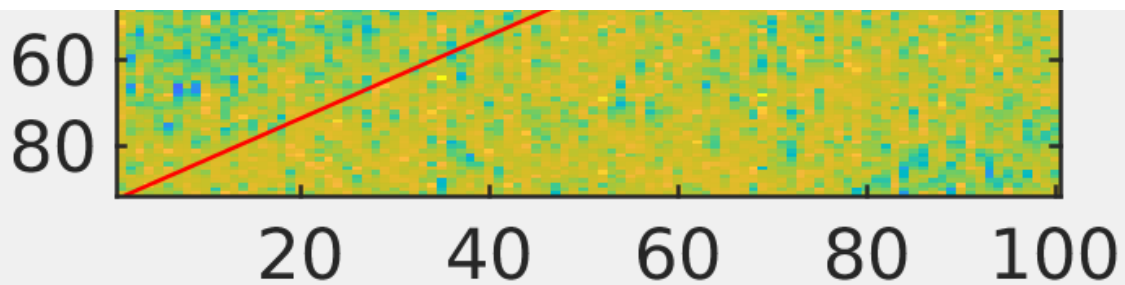
radon sinogram

inverted data chunk before preprocessing
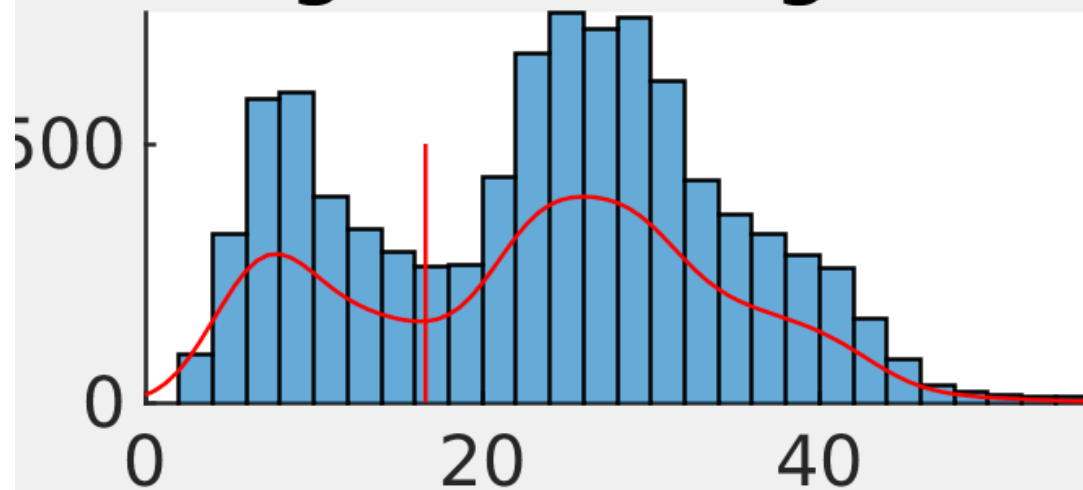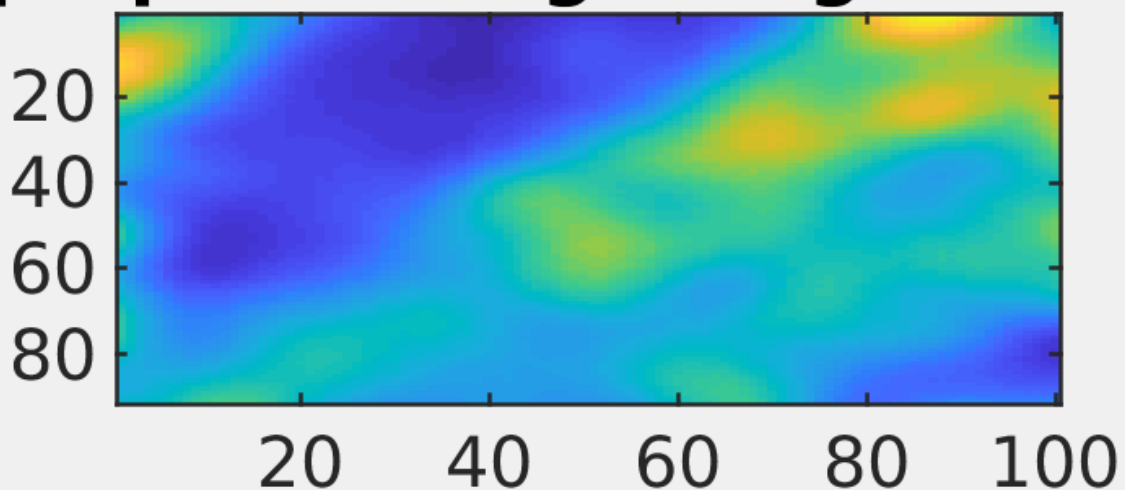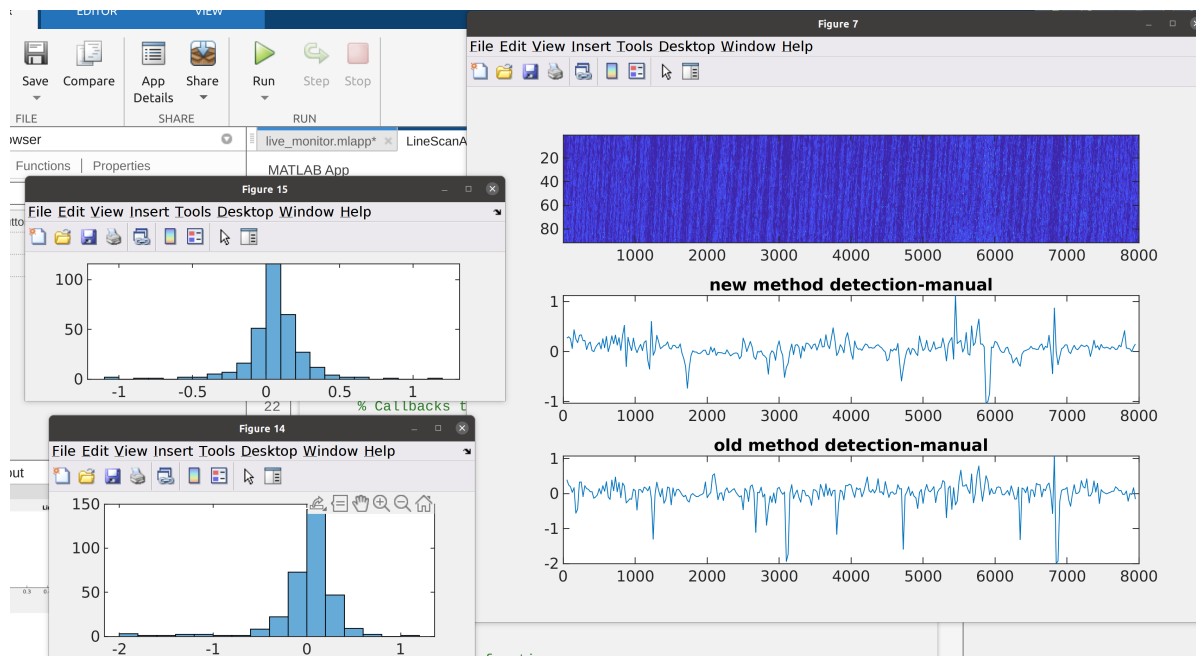
histogram after gaussian

image chunk after preprocessing and gaussian

New method improved on the preprocessing method:

Old method:

1. subtract image mean
2. subtract temporal mean

New method:

1. subtract image mean
2. subtract temporal mean
3. gaussian filter
4. kernal denstiy estimation to get shape of histogram
5. find trough between two peaks
6. use trough to threshold image obtaining binary mask