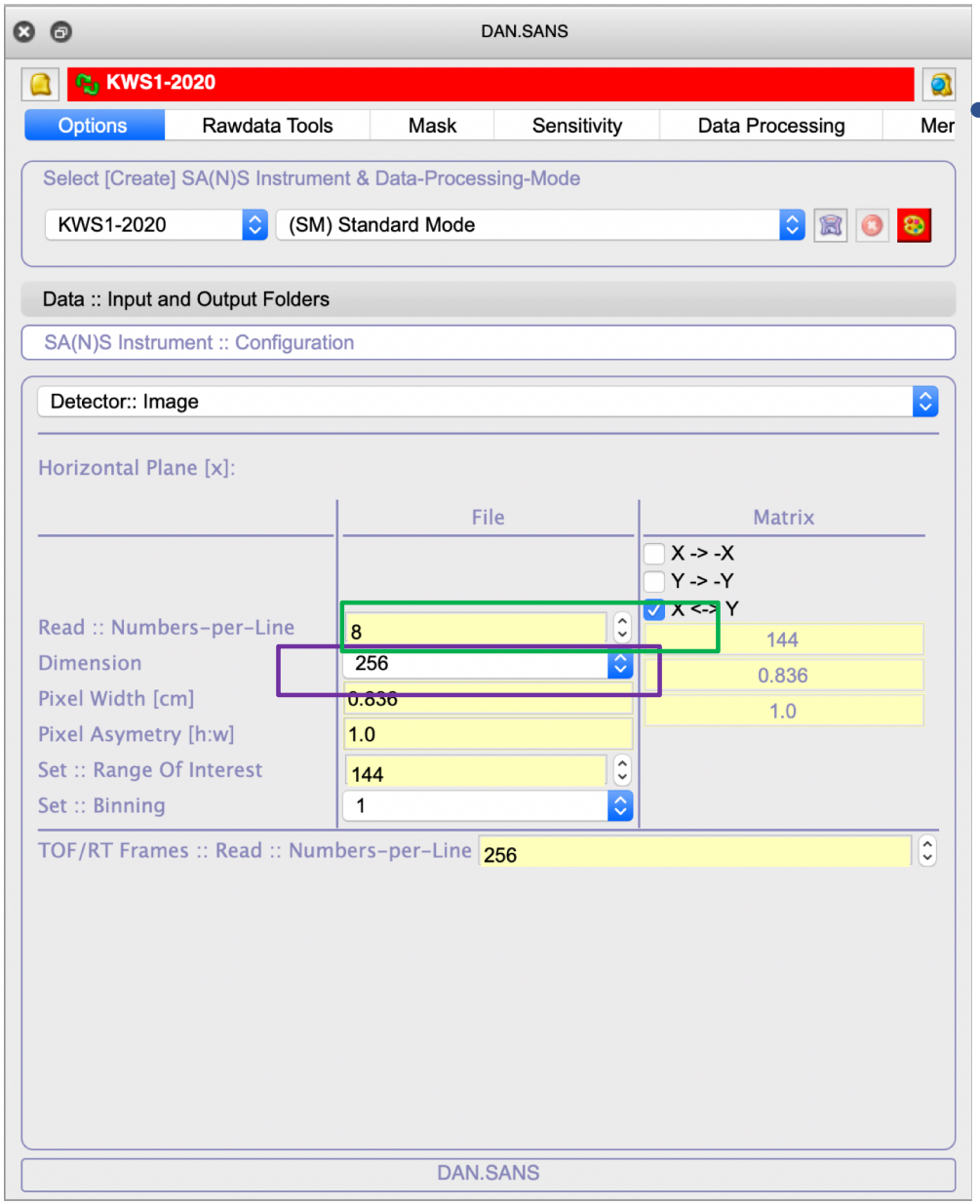
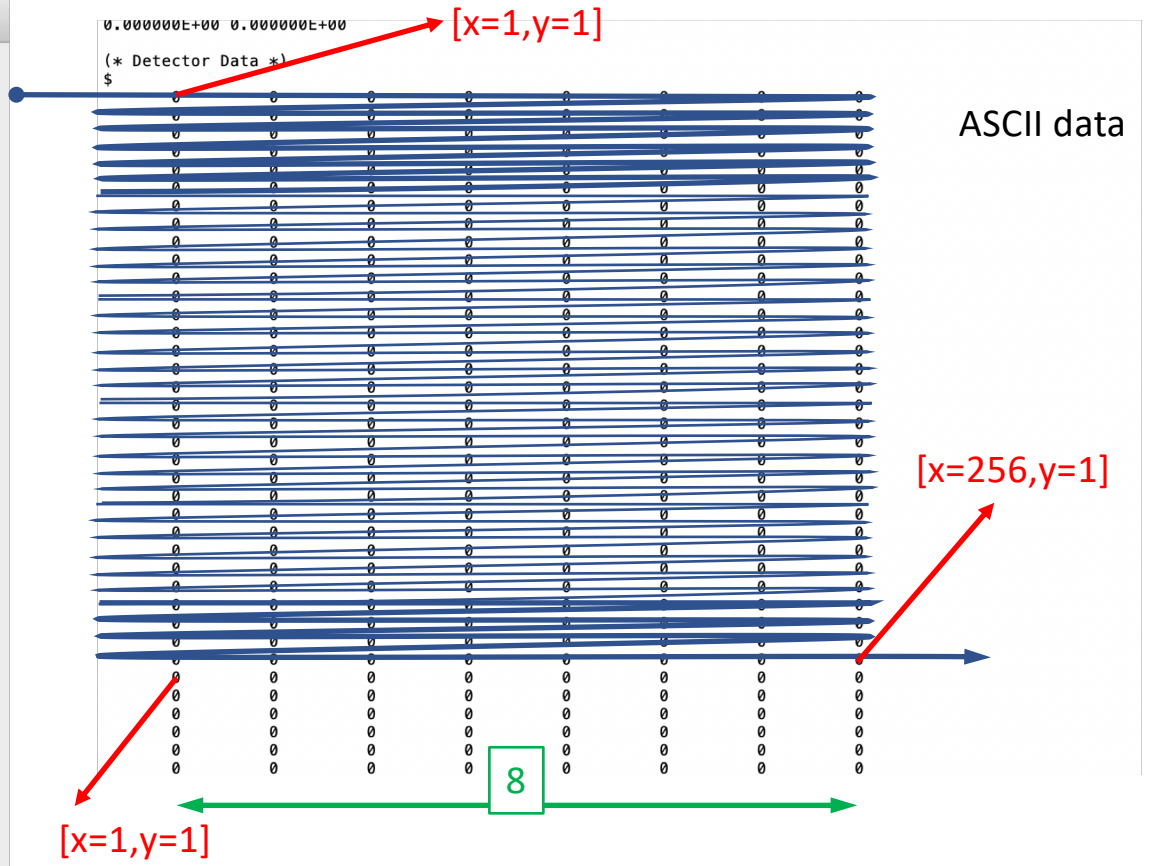
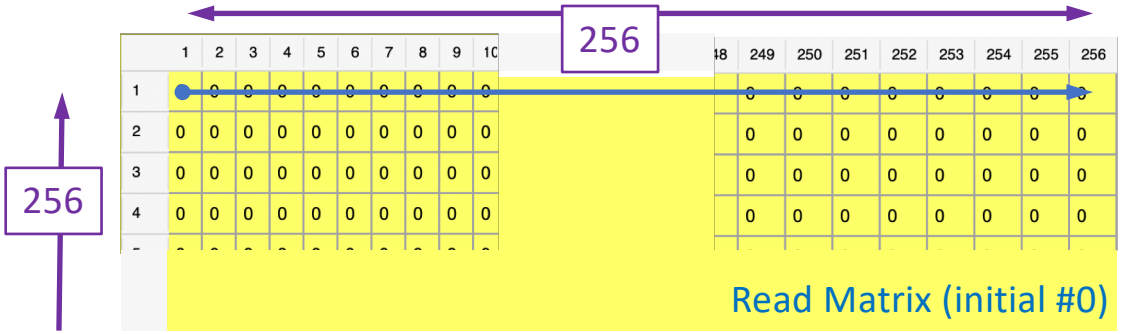
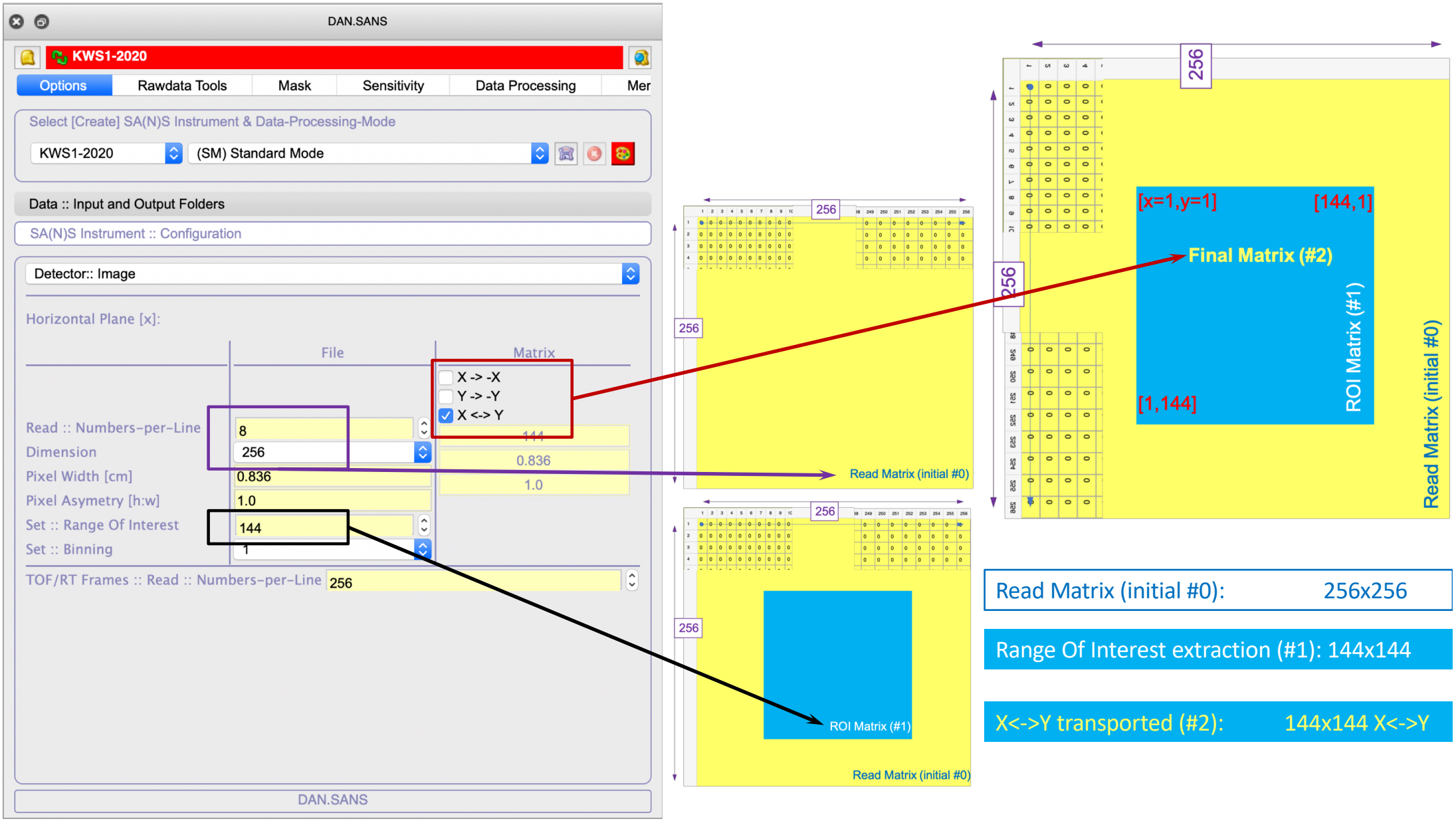
ASCII data to 2D matrix: reading detector image

- Initial dimension of the ASCII data: [in example] 256x256
- Number of pixels per line in the ASCII file: 8
- Range Of Interest dimension (central part): 144x144
- Matrix transpose X<->Y: Yes
- Matrix Flip Horizontal X<->-X: No
- Matrix Flip Vertical Y<->-Y: No
- Binning of Pixels: No (=1)
- Pixel Width w: 0.838 cm
- Pixel Asymmetry h/w : 1.0
- Pixel Height Width*Asymmetry: 0.838 cm


DAN.SANS
KWS1-2020
Options
Rawdata Tools
Mask
Sensitivity
Data Processing
Mer
Select [Create] SA(N)S Instrument & Data-Processing-Mode
KWS1-2020
(SM) Standard Mode
Data :: Input and Output Folders
SA(N)S Instrument :: Configuration
Detector:: Image
Horizontal Plane [x]:
File
Matrix
X -> -X
Y -> -Y
X <-> Y
Read :: Numbers-per-Line
8
144
Dimension
256
0.836
Pixel Width [cm]
0.836
1.0
Pixel Asymetry [h:w]
1.0
Set :: Range Of Interest
144
Set :: Binning
1
TOF/RT Frames :: Read :: Numbers-per-Line
256
DAN.SANS


0.000000E+00 0.000000E+00
(* Detector Data *)
$
[x=1,y=1]
ASCII data
[x=256,y=1]
8
[x=1,y=1]


256
256
Read Matrix (initial #0)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KWS1-2020
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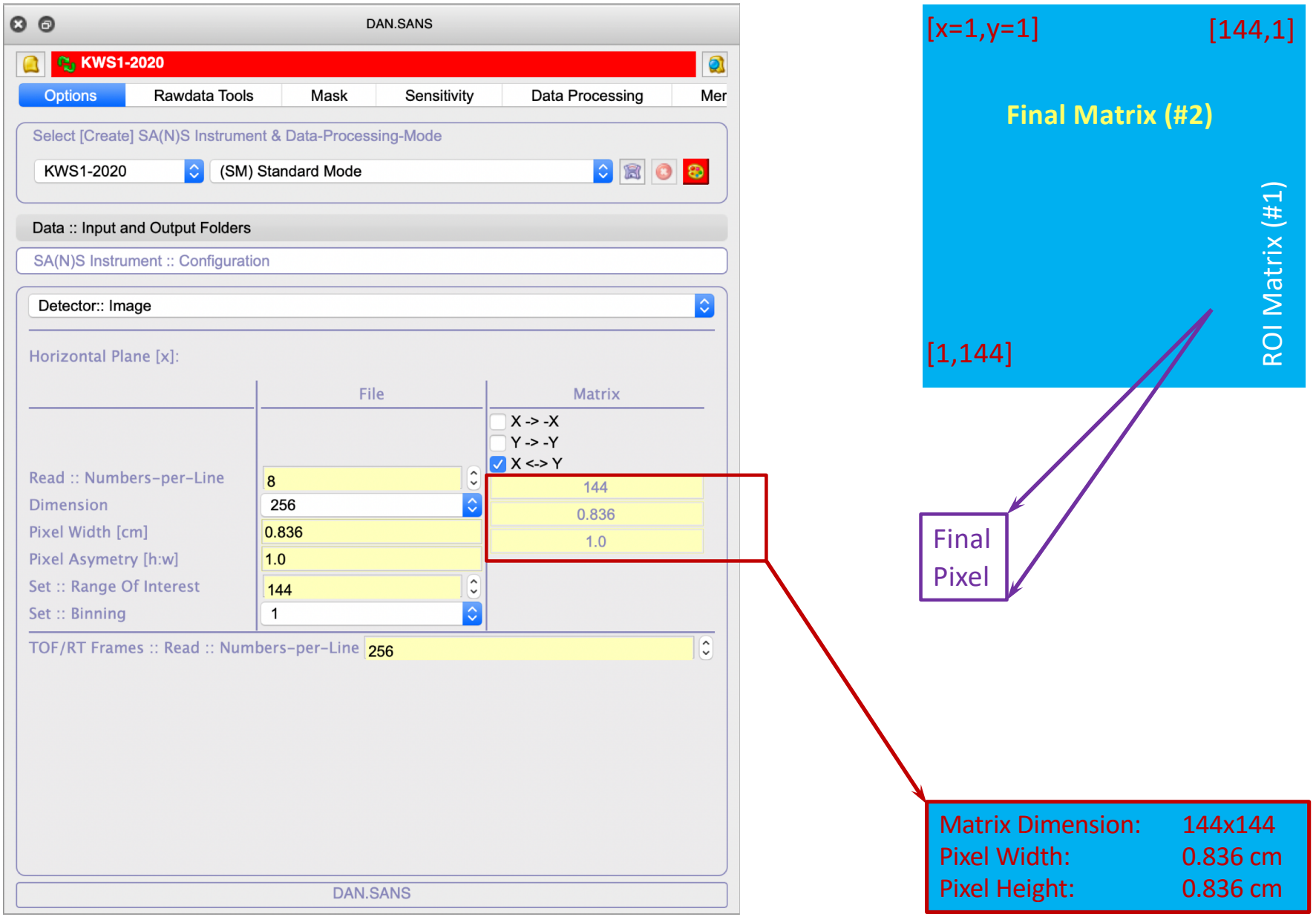
Select [Create] SA(N)S Instrument & Data-Processing-Mode
KWS1-2020
(SM) Standard Mode
Data :: Input and Output Folders
SA(N)S Instrument :: Configuration
Detector:: Image
Horizontal Plane [x]:
File
Matrix
X -> -X
Y -> -Y
X <-> Y
Read :: Numbers-per-Line
Dimension
Pixel Width [cm]
Pixel Asymetry [h:w]
Set :: Range Of Interest
Set :: Binning
8
256
0.836
1.0
144
1
144
0.836
1.0
TOF/RT Frames :: Read :: Numbers-per-Line
256
DAN.SANS
256
256
Read Matrix (initial #0)
ROI Matrix (#1)
[x=1,y=1]
[144,1]
[1,144]
Final Matrix (#2)
ROI Matrix (#1)
Read Matrix (initial #0)
Read Matrix (initial #0): 256x256
Range Of Interest extraction (#1): 144x144
X<->Y transported (#2): 144x144 X<->Y


DAN.SANS
KWS1-2020
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Rawdata Tools
Mask
Sensitivity
Data Processing
Mer
Select [Create] SA(N)S Instrument & Data-Processing-Mode
KWS1-2020
(SM) Standard Mode
Data :: Input and Output Folders
SA(N)S Instrument :: Configuration
Detector:: Image
Horizontal Plane [x]:
File
Matrix
X -> -X
Y -> -Y
X <-> Y
Read :: Numbers-per-Line
8
144
Dimension
256
0.836
Pixel Width [cm]
0.836
1.0
Pixel Asymetry [h:w]
1.0
Set :: Range Of Interest
144
Set :: Binning
1
TOF/RT Frames :: Read :: Numbers-per-Line
256
DAN.SANS
[x=1,y=1]
[144,1]
Final Matrix (#2)
ROI Matrix (#1)
[1,144]
Final
Pixel
Matrix Dimension:
144x144
Pixel Width:
0.836 cm
Pixel Height:
0.836 cm