

## Structure of the pre-histogrammed Image Data File

Data Item	Type	Description
PixX	int32	pixels in X-direction
PixY	int32	pixels in Y-direction
PixResol	float32	spatial pixel resolution in $\mu\text{m}$
TCSPCChannels	int32	number of TCSPC channels per pixel
TimeResol	float32	time resolution of the TCSPC histograms in ns
The following block will appear in the file for each $y = 1$ to $\langle \text{PixY} \rangle$		
The following block will appear in block (y) for each $x = 1$ to $\langle \text{PixX} \rangle$		
The following data will appear in the block (x,y) for each $t = 1$ to $\langle \text{TCSPCChannels} \rangle$		
HistogramData [x,y,t]	int32	counts of the TCSPC channel t of pixel (x,y)
end of block		
end of block		
end of block		

For an example in Python and Matlab see here:

<https://github.com/PicoQuant/pre-histogrammed-Image-Data-File>

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