

## 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>

Copyright of this document belongs to PicoQuant GmbH. No parts of it may be reproduced, translated or transferred to third parties without written permission of PicoQuant GmbH. All information given here is reliable to our best knowledge. However, no responsibility is assumed for possible inaccuracies or omissions. Specifications and external appearances are subject to change without notice.



PicoQuant GmbH  
 Rudower Chaussee 29 (IGZ)  
 12489 Berlin  
 Germany

P +49-(0)30-1208820-89  
 F +49-(0)30-1208820-90  
 info@picoquant.com  
 www.picoquant.com