

20180823 Surface Intensity Histogram

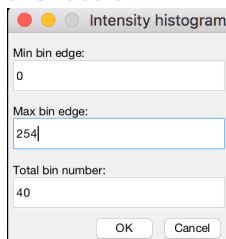
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This XTension allows users to generate and export intensity histogram of a Surface on a per channel and per time point basis.

How to use Surface Intensity Histogram XT:

- (1) Generate a Surface object.
- (2) Image Processing > Surfaces Functions > Surface Intensity Histogram.
- (3) Type in desired bin edges and total bin number for histogram plotting. The default min/max edge is the min/max of intensity within the Surface.

The min bin edge defines the LEFT edge of the first bin, and the max bin edge defines the RIGHT edge of the last bin.

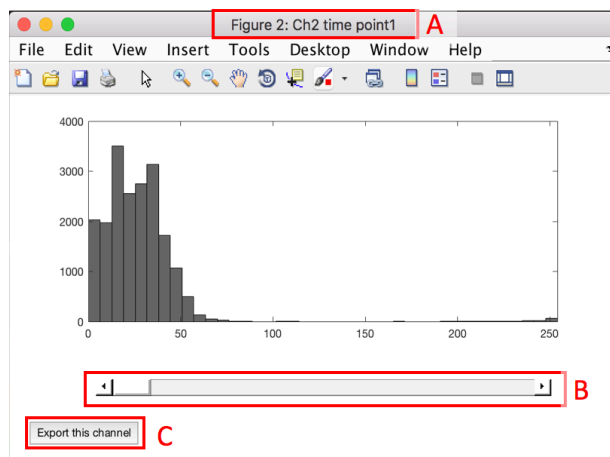


- (4) A: Channel and time point of currently displayed histogram. Each channel generates one display window.

B: Time slider

C: Export histogram to csv

D: csv format



D	Time points						
	A	B	C	F	G	H	
1	NaN	1	2	3	4	5	6
2	0	2024	4516	2437	1897	3436	3668
3	6.35	1973	2630	2771	3011	3039	3290
4	12.7	3506	3031	3414	3478	3403	3298
5	19.05	2550	2682	2624	2501	2653	2812
6	25.4	2754	2808	2874	2892	3146	3471
7	31.75	3133	2744	3196	3025	3840	4225
8	38.1	1724	1243	1771	1998	2153	2120
9	44.45	1068	648	1142	1457	1226	1094
10	50.8	495	375	594	1005	696	713
11	57.15	137	174	234	547	251	280
12	63.5	53	83	105	253	126	131
13	69.85	27	31	32	130	34	37
14	76.2	8	15	6	39	13	14
15	82.55	8	4	6	17	8	5
16	88.9	0	3	6	17	8	12
17	95.25	0	4	3	9	3	9
18	101.6	1	2	4	5	3	3