

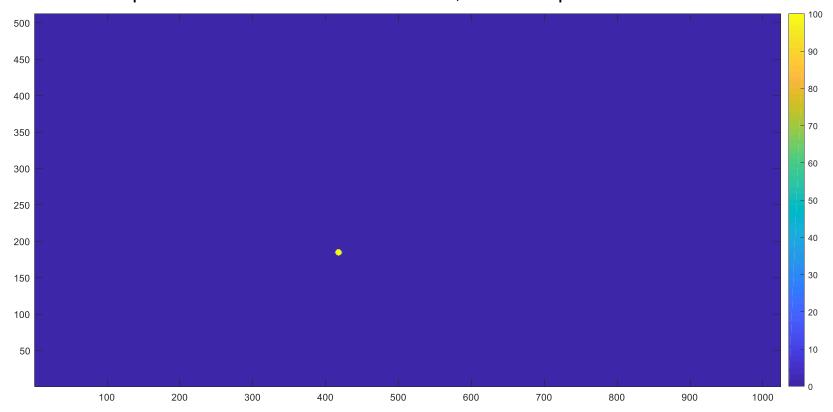
TaichuPix-3 test

Ying ZHANG 2023-1-12

Laser test of Flex v1.5D



- To verify the stability of the output data
 - Sample 100 times for 1s/10s with laser, check output counts

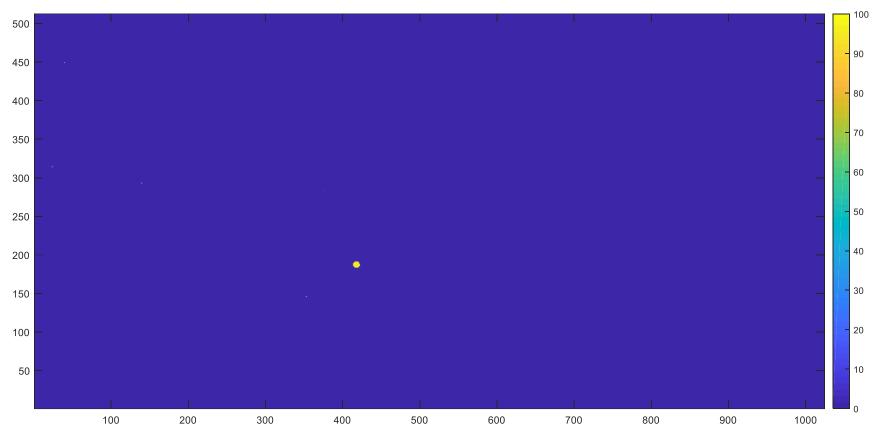


Exposure 1s with a 100 Hz laser source @ITHR=96

Laser test of Flex v1.5D



Sample at different ITHR



Exposure 1s with a 100 Hz laser source @ITHR=32

100 times of stable output observed @ITHR=32/96

Test of Flex_v1.3_3



- DPULSE wire-bonded to GND
- ~40% output normal in the OCT mode



	1	2	3	4	5
1	1	193	0	323	
2	1	193	128	323	
3	1	214	256	323	
4	1	214	511	323	
5	1	235	0	323	
6	1	235	128	323	
7	1	235	256	323	
8	1	0	511	323	
9	1	0	0	323	
10	1	21	128	323	
11	1	21	256	323	
12	1	21	511	323	
13	1	42	0	323	
14	1	42	128	323	
15	1	42	256	323	
16	1	63	511	323	
17	1	63	0	323	
18	1	84	128	323	
19	1	84	256	323	
20	1	9.4	511	272	

Without DUPLSE bonding Error codes observed

	1	2	3	4	5
34	255	170	187	64	
35	1	20	0	323	
36	1	9	384	67	
37	1	41	256	322	
38	1	60	511	323	
39	1	62	0	70	
40	1	60	128	323	
41	1	211	256	66	
42	1	83	511	322	
43	1	83	0	322	
44	1	72	384	322	
45	255	187	170	0	
46	255	170	187	64	
47	1	104	256	323	
48	1	253	511	323	
49	1	125	0	322	
50	1	125	128	323	
51	1	144	256	834	
52	1	144	511	323	

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