

### General Info

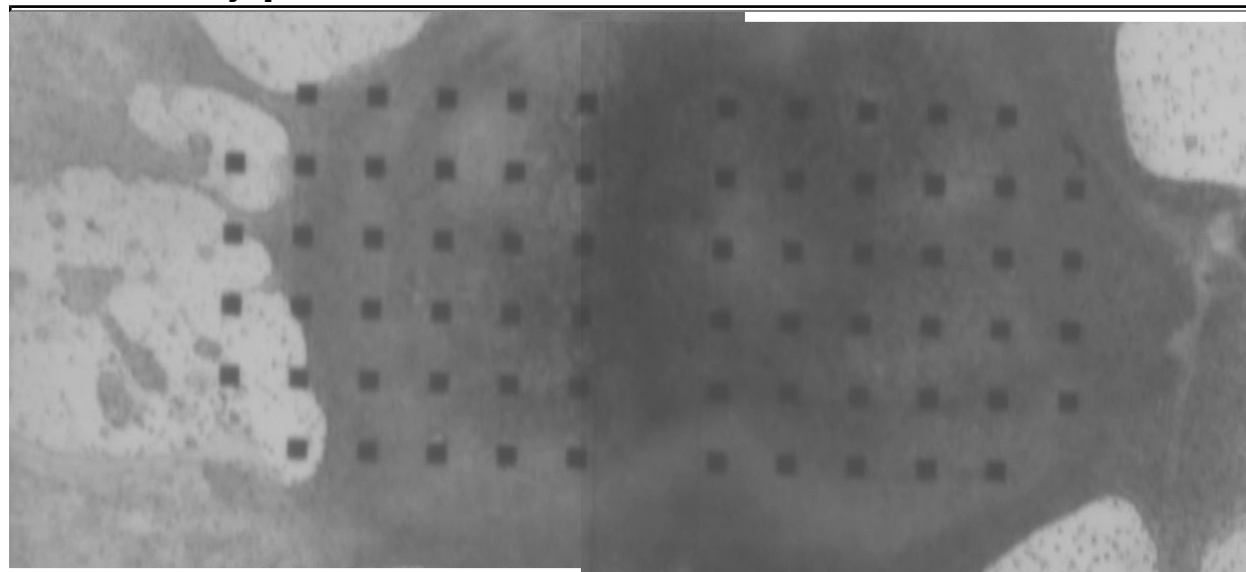
Experiment ID: ex100922\_2SpOT.4  
 Date of Culture: 18 Aug 2010  
 Type of Culture: 2 Spinal Organotypic  
 Drug Applied: CNQX + APV  
 Date & Time Applied: 21-Sep-2010, 15:00  
 Date & Time of Recording: 22-Sep-2010, 15:00

### Recording Settings

Recording Channels: 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

	1	x	62	59	56		55	52	49	x	46	
4	2	0	63	60	57		54	51	48	47	45	43
6	5	3	7	61	58		53	50	40	44	42	41
9	10	12	8	18	21		26	29	39	35	37	38
11	13	15	16	19	22		25	28	31	32	34	36
	14	x	17	20	23		24	27	30	x	33	

### Culture-MEA Photograph



(note: this image was not rotated 180 degrees because i changed the orientation of the array so that the bad channels were on the sketchy side of the MEA)

### Details

Unless otherwise noted, all recordings were 10min long and saved in the directory D:/mingfaiFong/experiments/ex100922\_2SpOT.4/

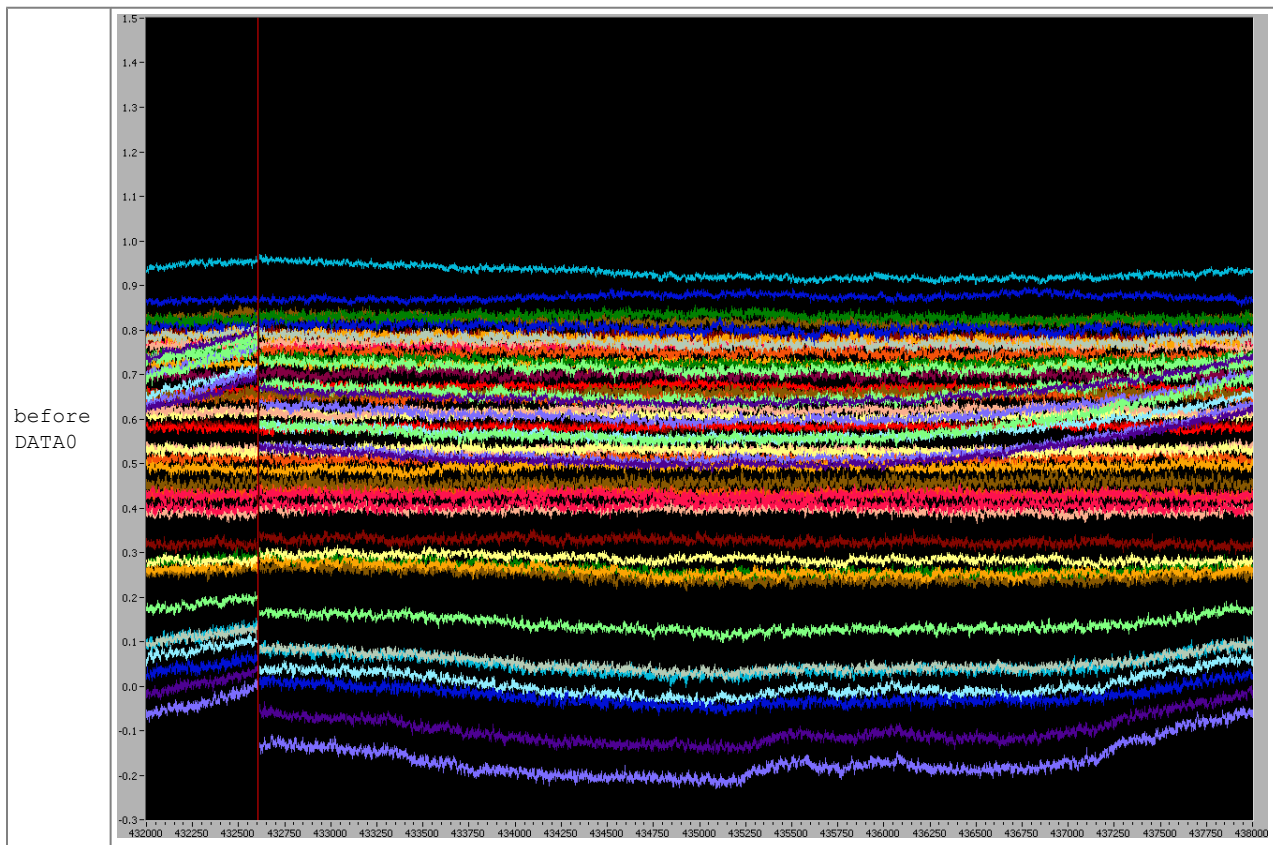
Real Time	Treatment	Filename	Notes
	10uM CNQX + 50uM APV	DATA0.SCL	channels look great, though obviously no bursting
	10uM CNQX + 50uM APV	DATA01.SCL	same
	normal extracellular solution	DATA02.SCL	washed once 3x. lost 5-8 channels due to wash. activity begins in increase after 5min. waited 3min more and washed again.

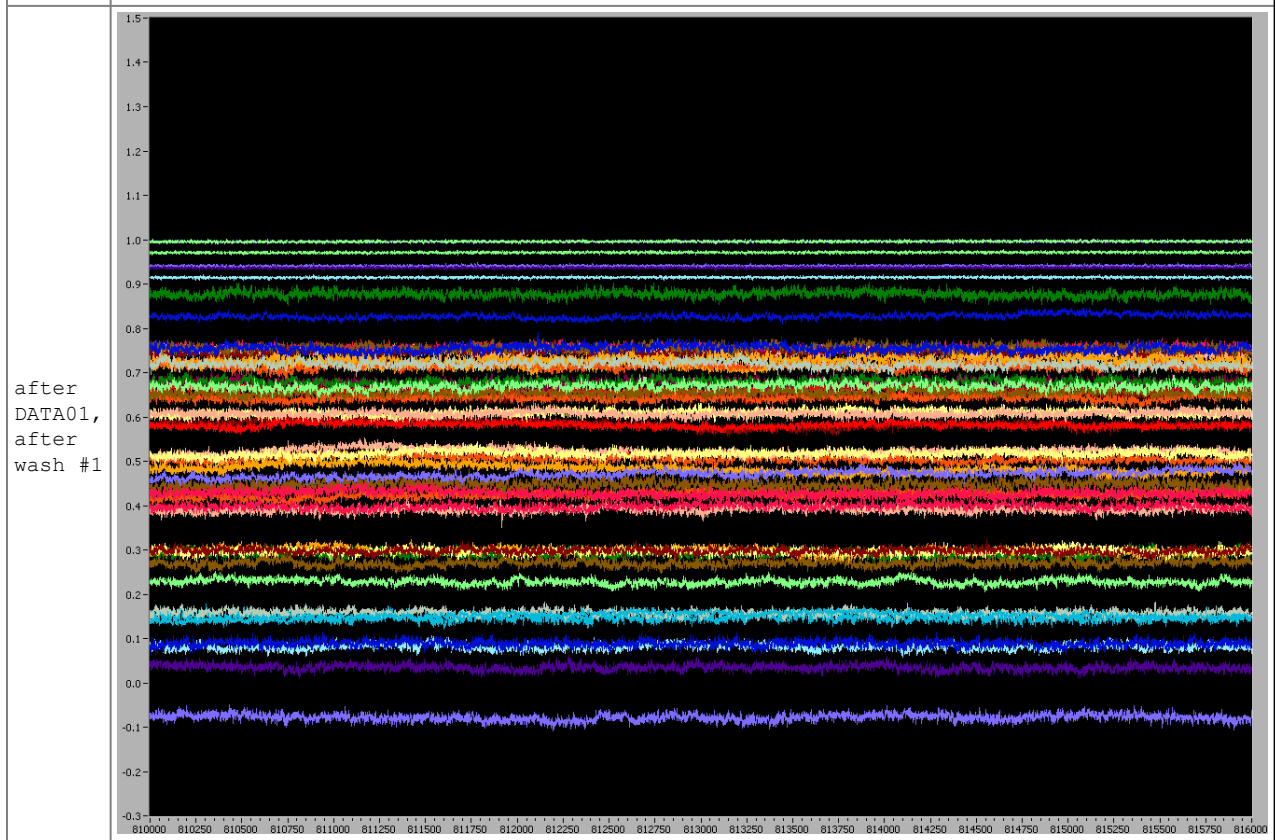
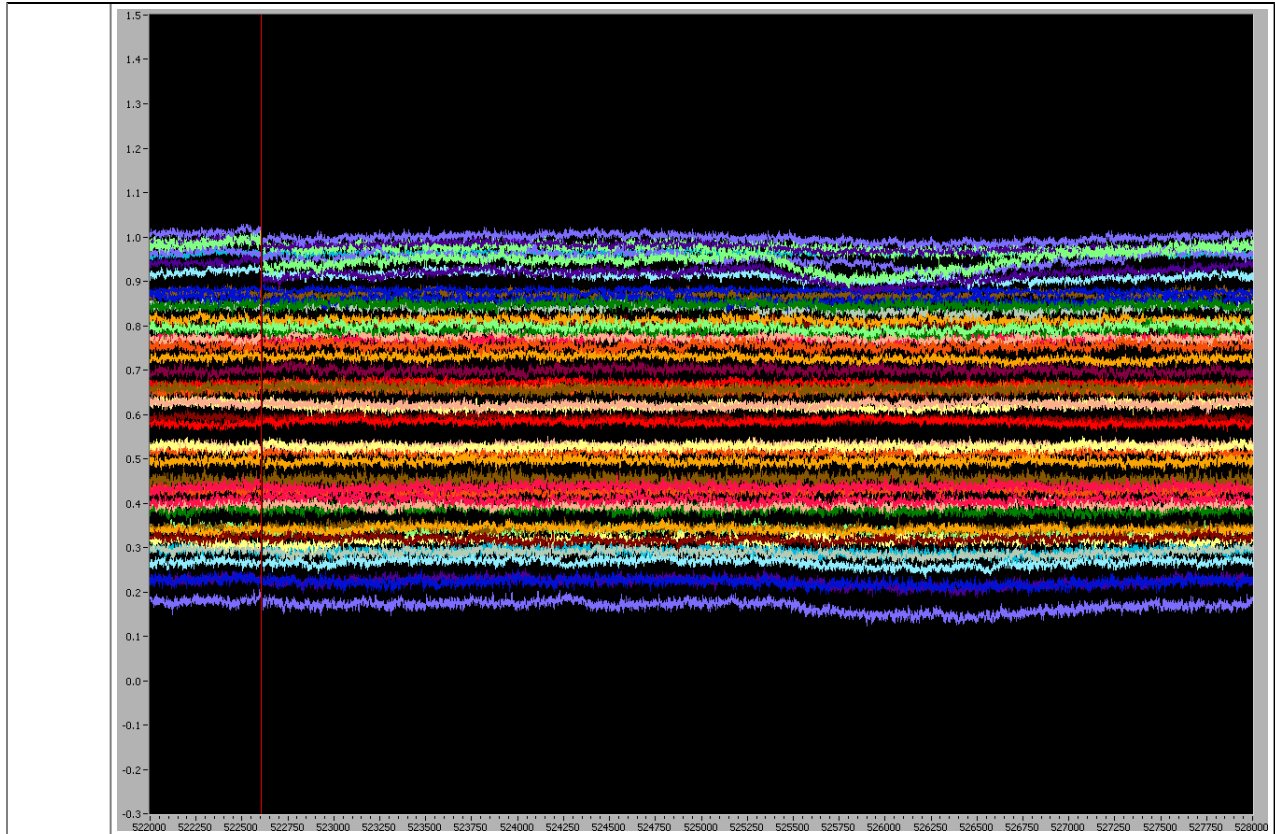
			waited 8min and began recording.  super super active. definitely what you'd expect if the network has compensated.
15:45-15:55	normal extracellular solution		

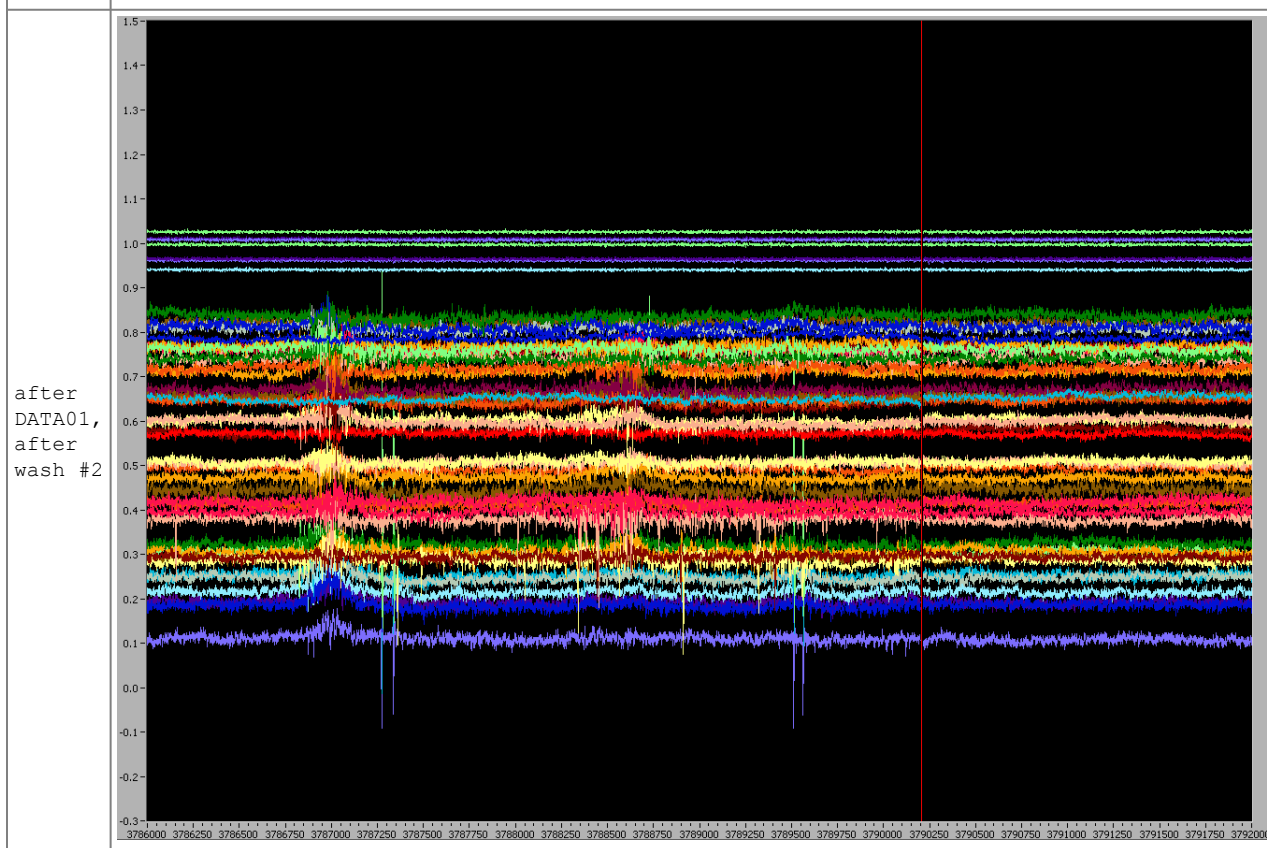
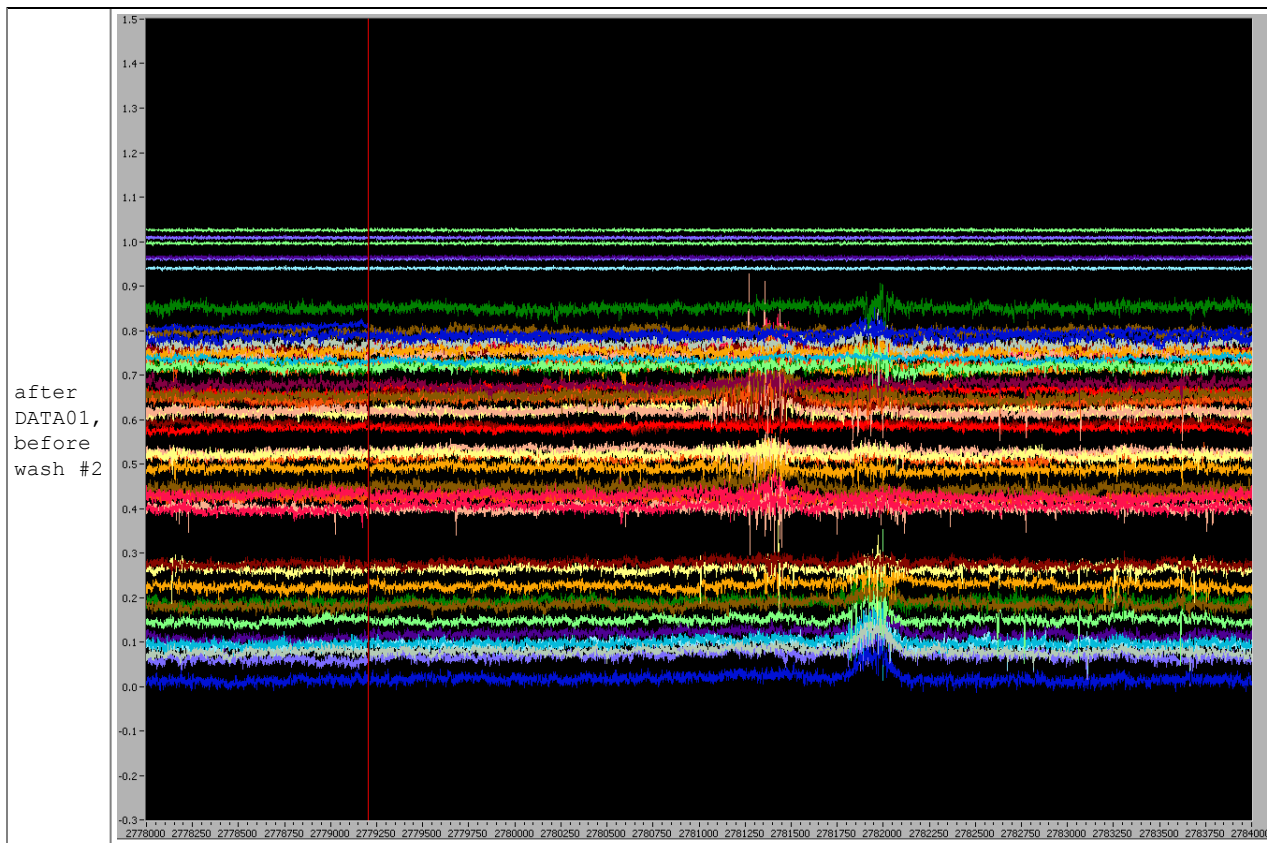
### Pre-amp Problems

I've been having some problems with the headstage making good contact with the pre-amp, and this is (I think exacerbated by the humid environment. For this reason, some contacts look great early on, slowly drop out as the experiment progresses, and become particularly horrible when I perfuse in new solutions. In the next couple experiments I'll be trying different things and documenting performance.

Each the screenshots shows channels that were selected at the beginning of the recording. Those that are saturating out are the ones with flat waveform and low RMS.







### Bursting

Some screenshots of bursting during select recordings.

