

Movie:	operation volt 6.01V 124.1 kPa	Pa - Pc (psi) 0.2 kPa	ImageJ x values (um)		Diameter (um)
"Collier ESI_200Pa 01 60ms"	frame rate = 60 ms; frame #	interval (time, sec)	x1	x2	x1-x2
	31		20.95	15.01	5.94
	93	3.72	20.84	15.01	5.83
	144	3.06	20.84	15.01	5.83
	199	3.3	20.84	15.12	5.72
	253	3.24	20.84	15.01	5.83
"Collier ESI_200Pa 02 82ms"	operation volt 6.31V 130.3 kPa	Pa - Pc (psi) 0.2 kPa			
(Figure 2 images are from cropped version of this file)	frame rate = 82 ms; frame #	interval (time, sec)	x1	x2	x1-x2
	2		38.34	32.62	5.72
	45	3.526	38.56	32.84	5.72
	87	3.444	38.56	32.62	5.94
	126	3.198	38.34	32.72	5.62
	156	2.46	38.45	32.6	5.85
	210	4.428	38.45	32.84	5.61
	247	3.034	38.45	32.72	5.73
	284	3.034	38.56	32.84	5.72
AVG		3.313090909			5.7738462
STDEV		0.493703039			0.1058724
13 images					

Movie:	operation volt 6.02V	Pa - Pc (psi) 0.4 kPa	ImageJ x values (um)		Diameter (um)
"Collier ESI_400 Pa"	frame rate = 60 ms; frame #	interval (time, sec)	x1	x2	x1-x2
	18		20.84	15.01	5.83
	58	2.4	20.84	15.12	5.72
	99	2.46	20.84	15.12	5.72
	140	2.46	20.74	15.01	5.73
	178	2.28	20.84	15.01	5.83
	221	2.58	20.84	15.01	5.83
	262	2.46	20.84	15.12	5.72
AVG		2.44			5.768571
STDEV		0.09797959			0.05757
	7 images				

Movie:	operation volt 6.03V	Pa - Pc (psi) 0.09 psi	ImageJ values (um)		Diameter (um)
"Collier ESI_600 Pa"	frame rate = 60 ms; frame #	interval (time, sec)	x1	x2	x1-x2
	21		20.74	15.01	5.73
	51	1.8	20.84	15.01	5.83
	86	2.1	20.84	14.9	5.94
	113	1.62	20.84	14.9	5.94
	145	1.92	20.84	15.01	5.83
	177	1.92	20.84	14.9	5.94
	208	1.86	20.84	15.01	5.83
	242	2.04	20.74	15.01	5.73
	269	1.62	20.84	15.01	5.83
AVG		1.86			5.844444
STDEV		0.175662013			0.082479
	9 images				

Movie:	operation volt 6.04V	Pa - Pc (psi) 0.8 kPa	ImageJ values (um)		Diameter (um)
"Collier ESI_800 Pa"	frame rate = 60 ms; frame #	interval (time, sec)	x1	x2	x1-x2
		8	21.06	15.44	5.62
		32	1.44	20.95	16.63
		52	1.2	20.84	14.8
		74	1.32	21.06	15.66
		97	1.38	21.06	15.98
		118	1.26		
		142	1.44	21.06	15.01
		165	1.38	20.95	17.06
		181	0.96	20.84	14.69
		209	1.68	21.17	15.88
AVG		1.34			5.6614286
STDEV		0.196723156			0.4240844
	10 images				

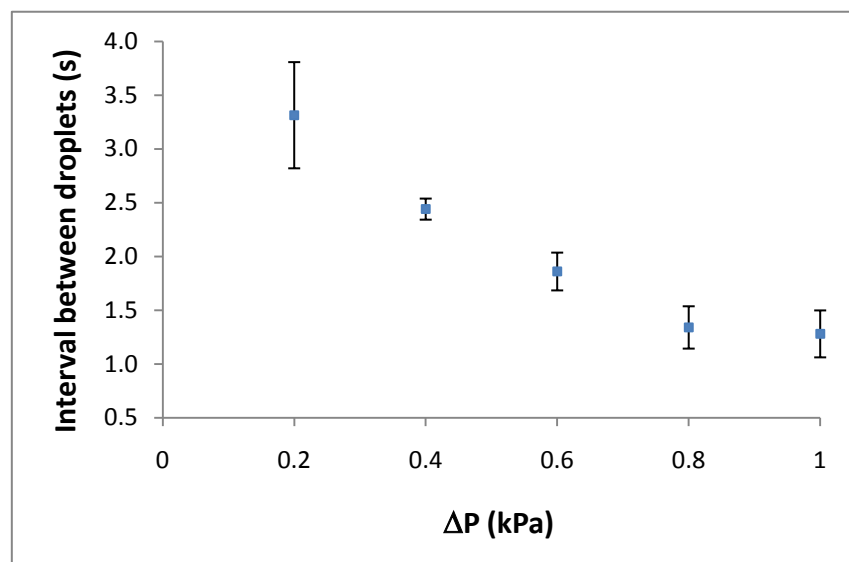
Note: missing values
correspond to orifice being
blocked by previously formed
droplets. These are left out of size distribution

Movie:	operation volt 6.05V	Pa - Pc (psi) 1.0 kPa	ImageJ values (um)		Diameter (um)
"Collier ESI_1000 Pa"	frame rate = 60 ms; frame #	interval (time, sec)	x1	x2	x1-x2
	9				
	35	1.56			
	57	1.32			
	79	1.32			
	97	1.08			
	118	1.26			
	138	1.2	20.95	15.23	5.72
	161	1.38	20.95	15.55	5.4
	181	1.2	21.06	15.88	5.18
	196	0.9			
	224	1.68			
	249	1.5			
	266	1.02			
	286	1.2			
AVG		1.278461538			5.4333333
STDEV		0.218244746			0.2715388

14 images

Note: missing values
correspond to orifice being
blocked by previously formed
droplets. These are left out of size distribution

Pa-Pc (kPa)	Time intervals (s)		Droplet diameters (um)		RAW (um)	bin (um)
	AVG	STDEV	AVG	STDEV		
0.2		3.31	0.49370304	5.773846154	0.105872444	5.94
0.4		2.44	0.09797959	5.768571429	0.057569833	5.83
0.6		1.86	0.17566201	5.844444444	0.082478954	5.83
0.8		1.34	0.19672316	5.661428571	0.424084448	5.72
1		1.28	0.21824475	5.433333333	0.271538825	5.83



5.94
5.83
5.83
5.72
5.83
5.72
5.72
5.94
5.62
5.85
5.61
5.73
5.72
5.83
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5.83
5.94
5.94
5.83
5.94
5.83
5.73
5.83
5.62
6.04
5.4

5.08
6.05
6.15
5.29
5.72
5.4
5.18

AVG
STDEV

5.742820513
0.22237887

<i>Bin</i>	<i>Frequency</i>
5	0
5.125	1
5.25	1
5.375	1
5.5	2
5.625	3
5.75	12
5.875	11
6	5
6.125	2
6.25	1
More	0

