Data Collection ~ Millikan 4/20/17

Potential DC $= -1.003\text{V}$

Drop #	Time Freefall	Time Up	Time Down
1	1.24:50	0.9:75	0.7:40
	1.22:17	0.9:64	0.7:84
2	1.01:84	0.11:13	0.8:02
	1.01:74	0.11:21	0.8:34
3	1.07:38	0.11:28	0.8:33
	1.02:06	0.11:35	0.8:03
4	2.35:83	0.26:88	0.20:77
		0.27:39	0.20:43
5	1.52:15	2.40:46	0.37:20
6	2.01:90	0.20:21	0.15:16
	1.52:02	.21:44	0.15:14
7 (1 mark)	0.39:58	0.16:70	
		0.15:94	0.9:10
8 (1 mark)	0.49:61	0.40:56	
	0.46:68	0.44:79	
9 (1 mark)	0.39:56	1.04:87	0.14:80
	0.38:69	0.55:47	
10 (1 mark)	0.21:76	0.28:94	0.6:56
	0.17:37	0.30:21	0.7:03
11 (1 mark)	0.26:95	0.39:78	0.9:49
	0.27:43	0.38:28	0.9:44
12 (1 mark)			

#	Time Fall	Time Up	Time Down
1 mark 12	0.~~42~~.~~84~~ 0.~~41~~:48	0.47:59 0.50:64	0.40:55 ?
1 mark 13	0.22:69	3.10:02	
1 mark 14	0.~~42~~:~~46~~ 0.43:54	0.50:~~23~~ 0.~~49~~:56	0.15:30 0.15:01
1 mark 15			

Millikan Oil Drop

Drop #	Fall	Up	Down
1	1:22.58	0:37.51	0:16.28
	1:21.01	0:29.88	0:17.38
		0:30.11	
2	0:59.86	~~31.118~~	
	0:59.38	0:32.63	0:15.06
		0:32.56	15.71
3	~~1:25.38~~	~~1:05.25~~	
3	1:47.68	0:32.80	0:20.75
		0:33.94	0:20.36
4	2:31.23	0:27.56	0:20.80
		0:27.96	0:20.96
5	1:12.78	1:20.41	0:25.25
		1:22.93	
6	1:14.73	2:00.29	0:25.30
	1:00.71	2:10.31	
7	~~2:04.84~~	~~1:06.26~~	
7	2:11.44	0:10.00	0:08.43
	1:56.88	0:10.91	

$\sqrt{} = 1.088$

$\sqrt{} = 4.52$