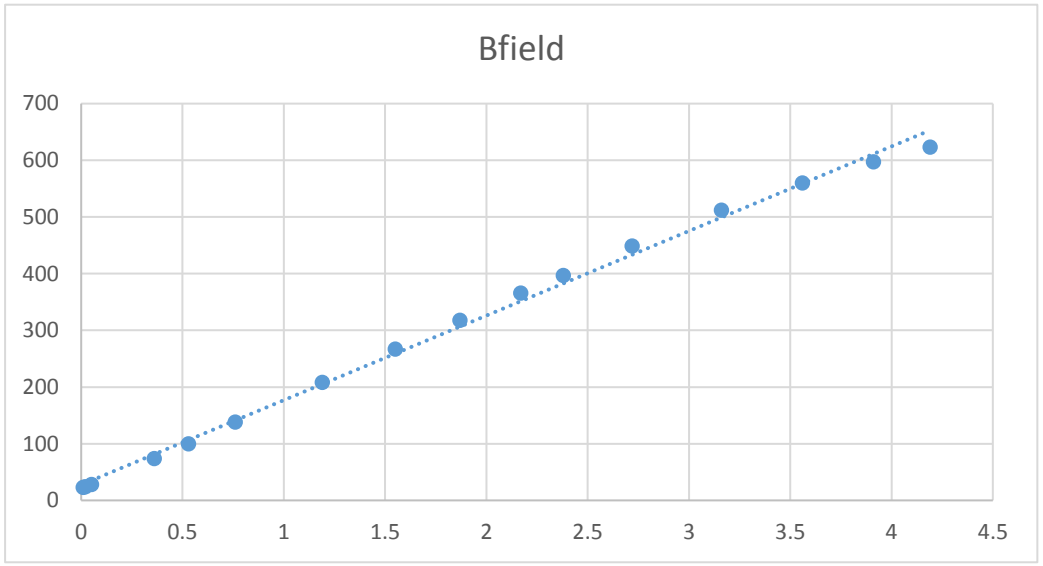
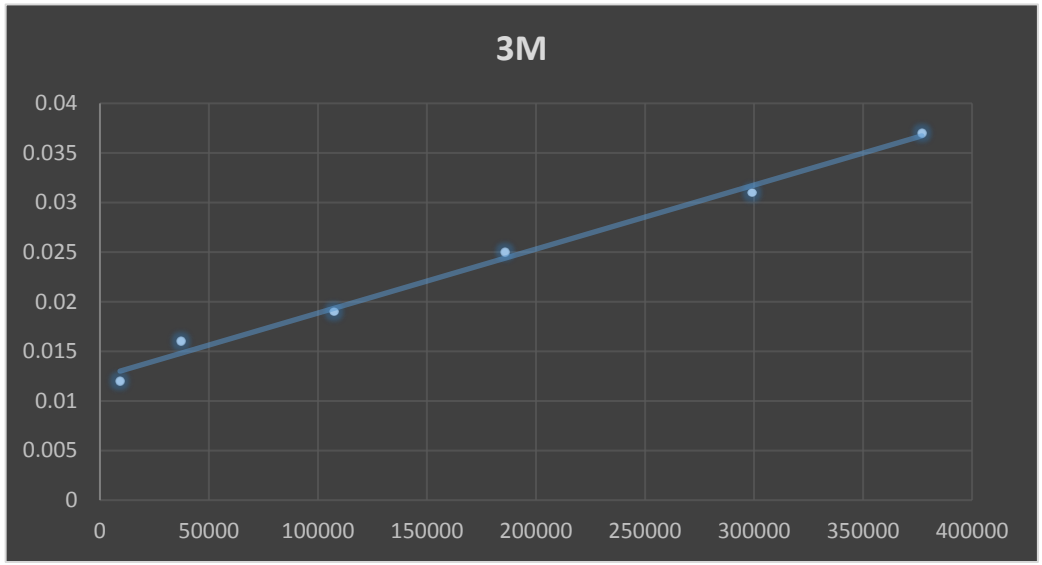
Current (A)	Bfield
0.01	23
0.02	24
0.05	28
0.36	74
0.53	100
0.76	138
1.19	208
1.55	267
1.87	318
2.17	366
2.38	397
2.72	449
3.16	512
3.56	560
3.91	597
4.19	623

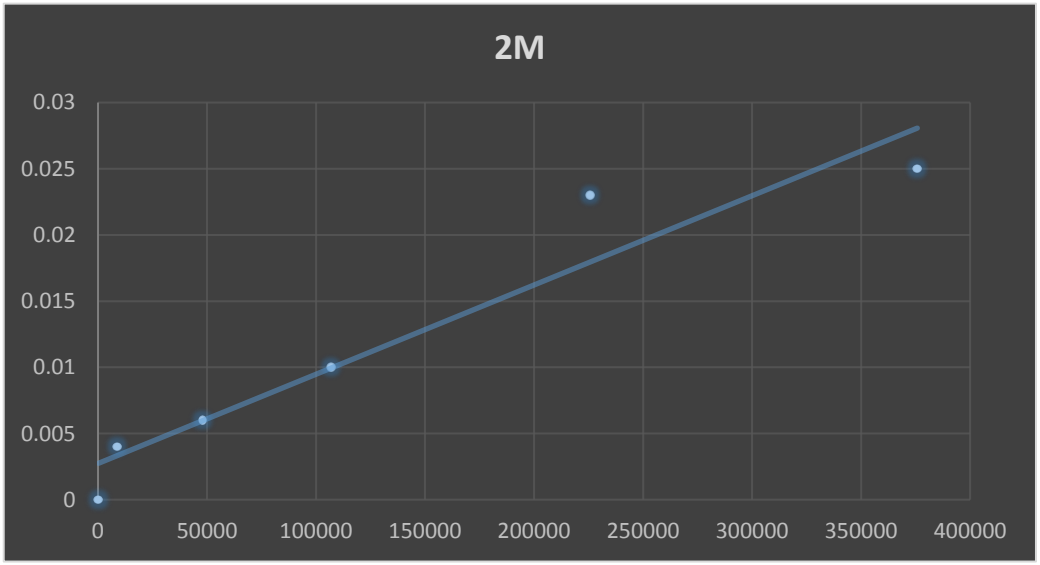


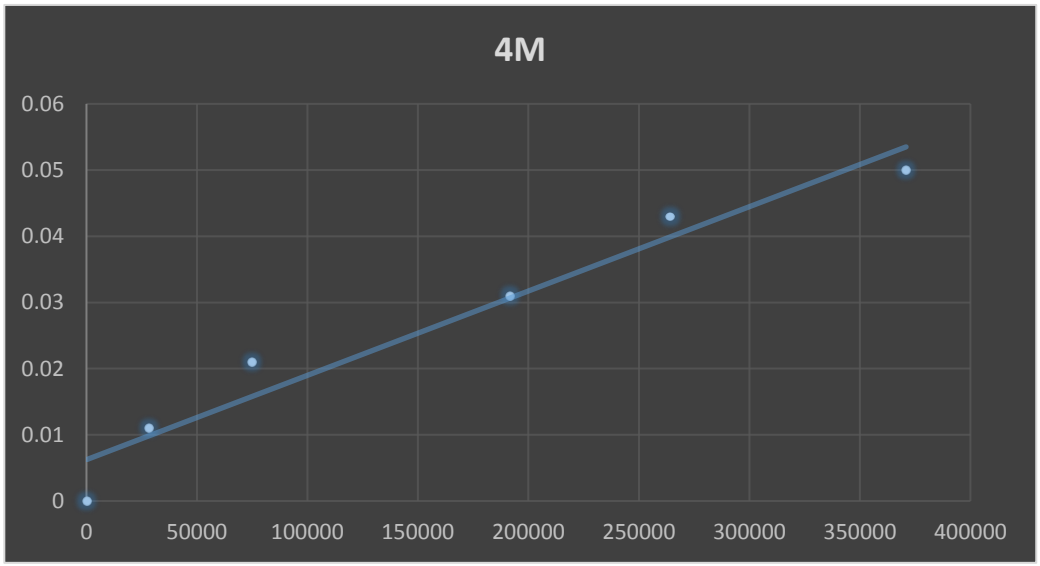
Gaus	MSR (cm)	VSR (.01) (mm)	Readings (cm)	Current (A)	< 4M	B^2	Height	
11	1	0	1			121	0	
609	0.95	0	0.95	4.17		370881	0.05	
514	0.95	7	0.957	3.15		264196	0.043	
438	0.95	19	0.969	2.64		191844	0.031	
274	0.95	29	0.979	1.55		75076	0.021	
168	0.95	39	0.989	0.95		28224	0.011	
16	1	0	1	0.01		256	0	
				Current (A)	< 3M	B^2	Height	
12	1	0	1			144	0	
614	0.95	13	0.963	4.17		376996	0.037	
547	0.95	19	0.969	3.41		299209	0.031	
431	0.95	25	0.975	2.54		185761	0.025	
328	0.95	31	0.981	1.88		107584	0.019	
193	0.95	34	0.984	1.06		37249	0.016	
96	0.95	38	0.988	0.51		9216	0.012	
17	1	0	1	0.01		289	0	
				Current (A)	< 2M	B^2	Height	
14	1	14	1.014			196	0	
613	0.95	39	0.989	4.17		375769	0.025	
475	0.95	41	0.991	2.85		225625	0.023	
327	1	4	1.004	1.88		106929	0.01	
219	1	8	1.008			47961	0.006	
94	1	10	1.01	0.48		8836	0.004	
16	1	14	1.014	0.01		256	0	
14	1	0	1			196	0.014	
618	0.95	40	0.99	-1.0430233		381924	0.024	<REPEATED
				-1.8544186		0	1.014	
				-2.665814		0	1.014	
				-3.4772093		0	1.014	
				-4.2886047		0	1.014	
				-5.1		0	1.014	

In this we didn't subject all the liquid to the magnetic field (for this particular reading)

Gauss meter calibrated to zero outside (for all)






4M
0.06
0.05
0.04
0.03
0.02
0.01
0
0
50000
100000
150000
200000
250000
300000
350000
400000