At Zero Magnetic Field

Order	Radius (Pixel)	Radius (μm)	Radius^2 $(\mu m)^2$	$d_n^2 = x_{n+1}^2 - x_n^2$ $(\mu m)^2$	$d_n^2 (mm^2)$	$t = \frac{d^2 \times \lambda}{d_n^2} (mm)$
x_n	160	447.3	200077.29	-	-	-
x_{n+1}	251	703.5	494912.25	294834.96	0.294835	7.88
x_{n+2}	315	881.3	776689.69	281777.44	0.281777	8.25
x_{n+3}	369	1033.2	1067502.24	290812.55	0.290813	7.99
x_{n+4}	416	1166.2	1360022.44	292520.20	0.292520	7.94
Average						8.02

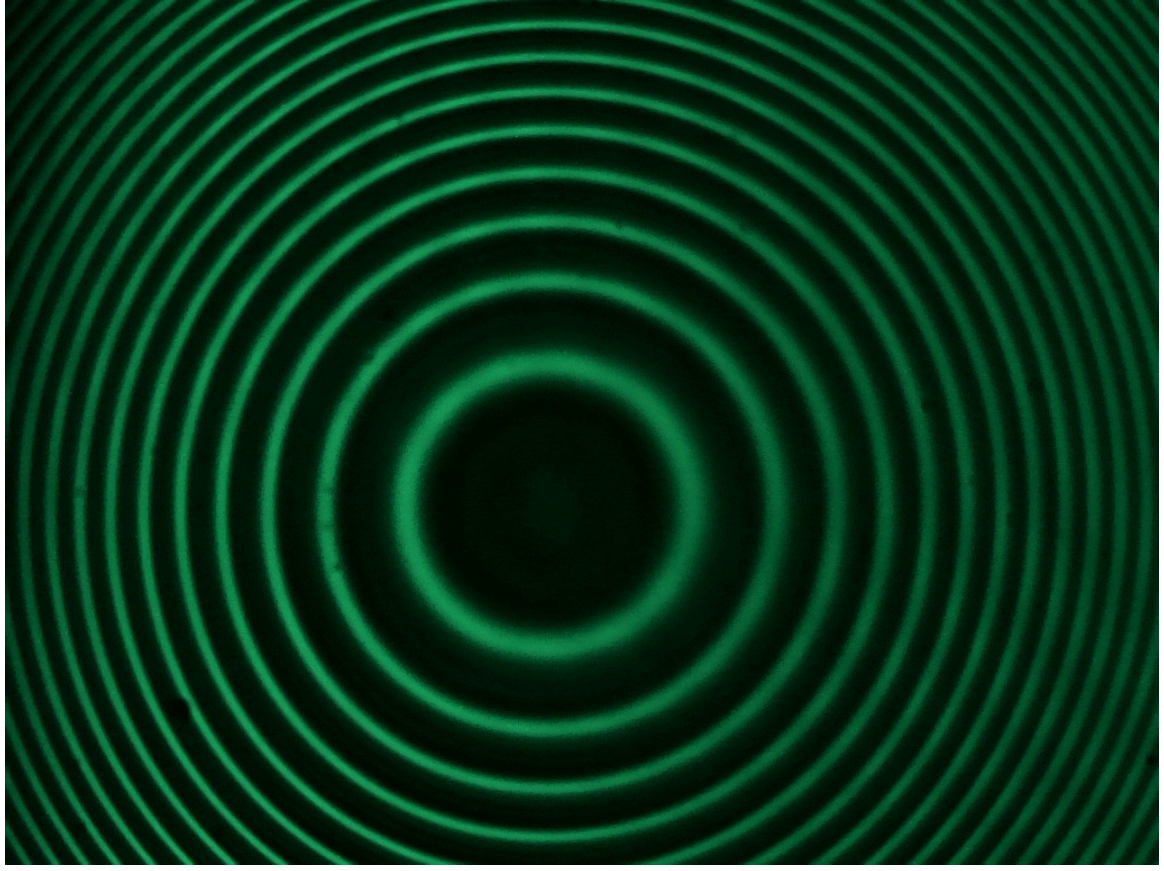
Distance between the Etalon and the Camera = 65 mm

Rings at $I = 1.95A$

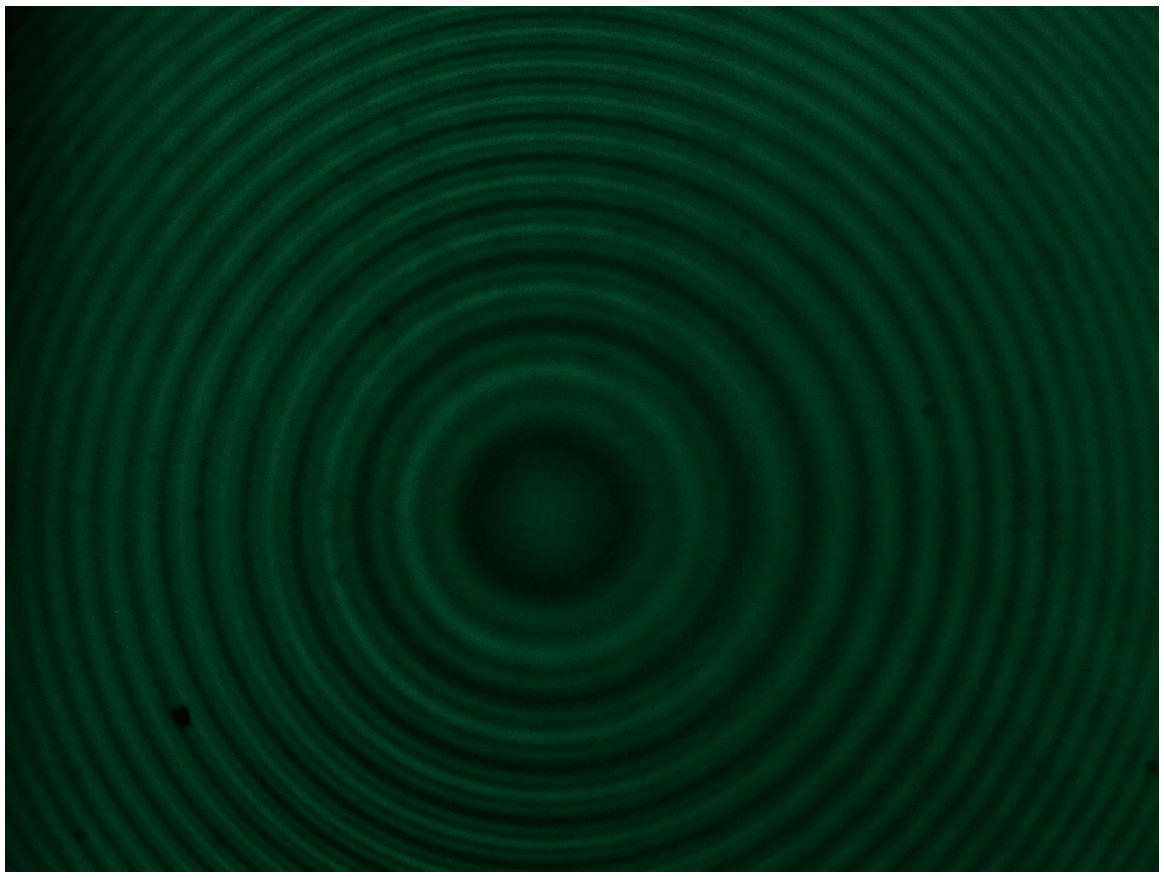
Ring Number		Radius	Radius^2 (Pixel^2)	Radius^2 $(mm)^2$
1	a	116	13572.25	0.106406
	b	155	24025.00	0.188356
	c	190	36100.0	0.283024
2	a	226	51302.25	0.402210
	b	248	61256.25	0.480249
	c	270	72900.0	0.571536
3	a	298	89102.25	0.698562
	b	314	98282.25	0.770533
	c	332	110224.0	0.864156
4	a	354	125670.25	0.985255
	b	370	136530.25	1.070397
	c	384	147456.0	1.156055

Determining μ_B

Ring Number	Radius^2 $(mm)^2$					Average
	a	b	c	δab	δbc	
1	0.106406	0.188356	0.283024	0.081950	0.094668	
$\delta 12$	0.295803	0.291893	0.288512			0.292069
2	0.402210	0.480249	0.571536	0.078039	0.091287	
$\delta 23$	0.296352	0.290284	0.292620			0.293085
3	0.698562	0.770533	0.864156	0.071971	0.093623	
$\delta 34$	0.286693	0.299864	0.291899			0.292819
4	0.985255	1.070397	1.156055	0.085142	0.085658	
Average				0.079276	0.091309	0.292658



Rings at Zero Magnetic Field



Rings at $I = 1.95A$