

S.No.	Initial reading	Final reading	d = Total width of 20 fringes *10 <sup>-7</sup> m
1	42	107	65
2	23	96	73
3	65	117	52
4	20	76	56
5	76	148	72
6	52	120	68
7	20	83	63
8	83	151	68
9	55	108	53
10	8	64	56
11	64	119	55
12	19	90	71
13	30	100	70
14	10	69	59
15	73	130	57
16	60	114	54
17	30	84	54
18	84	139	55
19	94	160	66
20	10	72	62
21	95	158	63
22	58	120	62
23	0	71	71
24	5	65	60
25	58	124	66

Mean 62.04

Std. dev 6.569505309

Average wavelength of Na light = 620 nm

Abs. error = 65 nm

