



28	4	2.27E-03	6.20E-04	0.864		36.7	11:35:11	04-20-1912
29		2.27E-03	6.23E-04	0.864		36.6	11:35:17	04-20-1912
30	5	2.26E-03	4.70E-04	0.868		38.8	11:35:25	04-20-1912
31		2.22E-03	4.69E-04	0.868		38.4	11:35:31	04-20-1912
32	6	2.78E-03	6.79E-04	0.861		41.6	11:35:42	04-20-1912
33		2.79E-03	6.80E-04	0.86		41.7	11:35:47	04-20-1912
34	7	2.34E-03	3.75E-04	0.862	skip	43.2	11:36:11	04-20-1912
35		2.34E-03	3.75E-04	0.868		43.1	11:36:17	04-20-1912
36		2.34E-03	3.78E-04	0.871		42.9	11:36:24	04-20-1912
37	8	1.13E-02	2.78E-03	0.842		84.8	11:36:35	04-20-1912
38		1.12E-02	2.71E-03	0.845		84.6	11:36:40	04-20-1912
39	9	2.73E-03	5.04E-04	0.87		44.2	11:36:49	04-20-1912
40		2.74E-03	5.00E-04	0.87		44.4	11:36:54	04-20-1912
41	10	2.29E-03	4.12E-04	0.866		40.9	11:37:03	04-20-1912
42		2.29E-03	4.10E-04	0.865		41	11:37:08	04-20-1912
43	11	7.83E-03	1.85E-03	0.853		70.6	11:37:38	04-20-1912
44		7.82E-03	1.84E-03	0.852		70.8	11:37:43	04-20-1912
45	12	2.77E-03	7.11E-04	0.867		41	11:37:51	04-20-1912
46		2.78E-03	7.15E-04	0.866		41	11:37:57	04-20-1912
47		2.82E-03	7.48E-04	0.866		41.1	11:38:06	04-20-1912
<b>mean of valid ms</b>		<b>3.47E-03</b>	<b>8.00E-04</b>	<b>0.862</b>		<b>45.6</b>		
<b>std dev</b>				<b>0.008</b>				
<b>std err</b>				<b>0.002</b>				

Measurements on reference mirror (lower than usual, but notice time gap w.r.t M1)

48		3.13E-03	2.11E-03	0.913		38.9	15:11:29	04-20-1912
49		3.15E-03	2.11E-03	0.913		39	15:11:34	04-20-1912
50		6.62E-03	4.78E-03	0.899		57	15:11:41	04-20-1912
51		3.05E-03	1.83E-03	0.916		38.4	15:13:02	04-20-1912
52		3.06E-03	1.84E-03	0.916		38.5	15:13:07	04-20-1912
53		2.81E-03	1.10E-03	0.916		37.8	15:13:14	04-20-1912
54		2.82E-03	1.10E-03	0.915		37.9	15:13:18	04-20-1912
55		6.31E-03	2.36E-03	0.91		57.1	15:13:25	04-20-1912

**Conclusions: Reflectivity is remarkably high immediately after cleaning and may be even higher than indicated, given reference measurements are more than 1% lower than usual.**

**CO2 cleaning would therefore seem to have been unusually effective, all indicators showing mirror with less scattering & higher reflectivity than after cleaning of March 14th**

**Surface roughness measurement is similar to level of March 22.**