Reflectivity measurement and visual check

Equipment:	uscan reflectometer	
Mirror:	**WHT Primary mirror**	
Person:	Tibor Agocs	
Date:	29/10/2007	
Lambda (micron):	0.67	
Incident angle (degree):	25	
BW (Bandwidth) limits:	1	0.1

WHT Primary mirror

No#	BSDF - 0°,0° detector position	BSDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
1	3.97E-03	1.45E-03	0.871	46.4	10:35:11	10-29-2007
2	3.95E-03	1.48E-03	0.873	46.1	10:35:15	10-29-2007
3	3.95E-03	1.49E-03	0.866	46.3	10:35:20	10-29-2007
4	5.26E-03	2.20E-03	0.87	52.8	10:35:28	10-29-2007
5	5.28E-03	2.23E-03	0.87	52.8	10:35:33	10-29-2007
6	5.27E-03	2.24E-03	0.87	52.8	10:35:38	10-29-2007
7	4.51E-03	1.61E-03	0.872	49.6	10:35:48	10-29-2007
8	4.52E-03	1.62E-03	0.87	49.6	10:35:53	10-29-2007
9	4.51E-03	1.62E-03	0.87	49.6	10:35:58	10-29-2007
10	4.31E-03	1.77E-03	0.882	47.5	10:36:08	10-29-2007
11	4.34E-03	1.76E-03	0.879	47.8	10:36:13	10-29-2007
12	4.32E-03	1.76E-03	0.88	47.7	10:36:17	10-29-2007
13	3.92E-03	1.04E-03	0.847	49	10:36:35	10-29-2007
14	4.00E-03	1.06E-03	0.812	50.6	10:36:39	10-29-2007
15	4.05E-03	1.06E-03	0.805	51.1	10:36:44	10-29-2007
16	4.72E-03	1.81E-03	0.872	50.3	10:37:03	10-29-2007
17	4.74E-03	1.80E-03	0.871	50.5	10:37:08	10-29-2007
18	4.70E-03	1.80E-03	0.872	50.2	10:37:12	10-29-2007
19	3.84E-03	1.15E-03	0.861	47.1	10:37:30	10-29-2007
20	3.82E-03	1.13E-03	0.86	47.1	10:37:35	10-29-2007
21	3.85E-03	1.12E-03	0.838	48	10:37:40	10-29-2007
22	4.93E-03	1.95E-03	0.863	51.5	10:37:50	10-29-2007
23	4.91E-03	1.97E-03	0.863	51.4	10:37:55	10-29-2007
24	4.91E-03	1.99E-03	0.86	51.4	10:37:59	10-29-2007
25	3.90E-03	1.50E-03	0.827	47	10:38:07	10-29-2007
26	3.85E-03	1.53E-03	0.846	46	10:38:12	10-29-2007
27	4.01E-03	1.53E-03	0.884	46.1	10:38:16	10-29-2007
28	4.18E-03	1.33E-03	0.875	48.3	10:38:40	10-29-2007
29	4.21E-03	1.31E-03	0.866	48.9	10:38:44	10-29-2007
30	4.29E-03	1.31E-03	0.865	49.5	10:38:49	10-29-2007
31	4.20E-03	1.28E-03	0.868	48.9	10:38:54	10-29-2007
32	3.74E-03	1.40E-03	0.91	44	10:39:02	10-29-2007
33	3.79E-03	1.42E-03	0.907	44.3	10:39:06	10-29-2007
34	3.77E-03	1.42E-03	0.876	44.9	10:39:11	10-29-2007
35	4.48E-03	1.52E-03	0.877	49.5	10:39:25	10-29-2007
36	4.50E-03	1.51E-03	0.875	49.8	10:39:30	10-29-2007
37	4.50E-03	1.50E-03	0.872	49.9	10:39:35	10-29-2007
38	4.19E-03	1.16E-03	0.911	48.5	10:39:43	10-29-2007
39	4.09E-03	1.14E-03	0.91	47.9	10:39:48	10-29-2007
40	4.05E-03	1.12E-03	0.916	47.5	10:39:53	10-29-2007
41	5.08E-03	2.15E-03	0.861	52.1	10:40:07	10-29-2007
42	5.03E-03	2.12E-03	0.847	52.3	10:40:12	10-29-2007

43	5.12E-03	2.13E-03	0.812	53.9	10:40:16	10-29-2007
44	4.53E-03	1.72E-03	0.853	49.9	10:40:25	10-29-2007
45	4.57E-03	1.75E-03	0.86	49.9	10:40:30	10-29-2007
46	4.53E-03	1.72E-03	0.833	50.5	10:40:34	10-29-2007
47	4.35E-03	1.46E-03	0.886	48.7	10:40:47	10-29-2007
48	4.39E-03	1.44E-03	0.887	49	10:40:52	10-29-2007
49	4.38E-03	1.39E-03	0.889	49.1	10:40:56	10-29-2007
50	4.88E-03	1.95E-03	0.866	51.2	10:41:10	10-29-2007
51	4.84E-03	1.83E-03	0.834	52.2	10:41:15	10-29-2007
52	4.42E-03	1.71E-03	0.883	48.3	10:41:19	10-29-2007
average	**4.393E-03**	**1.585E-03**	**0.867**	**49.140**		
standard dev	**4.357E-04**	**3.331E-04**	**0.024**	**2.280**		

Notes:
RMS - Root Mean Square surface roughness in Angstrom,
BSDF - Bidirectional scatter distribution function, it is equal to the scattered power per unit solid angle