Reflectivity measurement

Equipment:	uscan reflectometer	
Mirror:	**WHT Primary mirror**	
Person:	Tibor Agocs	
Date:	24/04/2007	
Lambda (micron):	0.67	
Incident angle (degree):	25	
BW (Bandwidth) limits:	1	0.1

No#	BSDF - 0°,0° detector position	BSDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
7	3.16E-03	3.04E-03	0.854	40.5	10:50:30	04-24-1907
8	3.08E-03	3.13E-03	0.85	40.1	10:50:35	04-24-1907
9	1.70E-03	6.24E-04	0.868	30.4	10:50:44	04-24-1907
10	1.69E-03	6.24E-04	0.868	30.3	10:50:48	04-24-1907
11	1.69E-03	6.23E-04	0.869	30.3	10:50:52	04-24-1907
12	3.24E-03	5.48E-04	0.88	49.3	10:51:03	04-24-1907
13	3.23E-03	5.46E-04	0.878	49.4	10:51:08	04-24-1907
14	3.25E-03	5.48E-04	0.88	49.5	10:51:12	04-24-1907
15	1.87E-03	9.61E-04	0.847	31.5	10:51:33	04-24-1907
16	1.87E-03	9.69E-04	0.854	31.3	10:51:37	04-24-1907
17	1.88E-03	8.76E-04	0.839	31.9	10:51:42	04-24-1907
18	2.15E-03	1.50E-03	0.864	33.1	10:51:51	04-24-1907
19	2.18E-03	1.56E-03	0.848	33.7	10:51:56	04-24-1907
20	2.20E-03	1.57E-03	0.855	33.7	10:52:00	04-24-1907
21	2.42E-03	6.62E-04	0.894	37.2	10:52:14	04-24-1907
22	2.39E-03	6.54E-04	0.939	36.1	10:52:18	04-24-1907
23	2.50E-03	6.87E-04	0.912	37.5	10:52:24	04-24-1907
24	2.52E-03	1.14E-03	0.871	36.3	10:52:43	04-24-1907
25	2.53E-03	1.12E-03	0.872	36.4	10:52:48	04-24-1907
26	2.53E-03	1.12E-03	0.872	36.4	10:52:53	04-24-1907
27	2.67E-03	1.37E-03	0.878	36.9	10:53:03	04-24-1907
28	2.56E-03	1.28E-03	0.886	36.1	10:53:08	04-24-1907
29	2.54E-03	1.27E-03	0.884	35.9	10:53:13	04-24-1907
30	2.06E-03	4.83E-04	0.873	35.8	10:53:26	04-24-1907
31	2.07E-03	4.87E-04	0.886	35.7	10:53:31	04-24-1907
average	**2.398E-03**	**1.095E-03**	**0.873**	**36.6**		
standard dev	**5.014E-04**	**6.953E-04**	**0.022**	**5.6**		

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 normalized by the incident power and $\cos\theta$