

Reflectivity measurement and visual check

Equipment:	uscan reflectometer		
Mirror:	WHT Primary mirror		
Person:	Tibor Agocs		
Date:	13/02/2008		
Lambda (micron):	0.67		
Incident angle (degree):	25		
BW (Bandwidth) limits:	1	0.1	

WHT Primary mirror

No#	BPDF - 0°,0° detector position	BPDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
1	1.15E-02	5.74E-03	0.829	79	14:56:07	02-13-2008
2	1.15E-02	5.76E-03	0.83	79	14:56:13	02-13-2008
3	1.16E-02	5.74E-03	0.83	79.3	14:56:17	02-13-2008
4	1.04E-02	4.50E-03	0.838	75.6	14:56:27	02-13-2008
5	1.04E-02	4.44E-03	0.837	75.5	14:56:32	02-13-2008
6	1.03E-02	4.40E-03	0.838	75.2	14:56:37	02-13-2008
7	9.71E-03	4.17E-03	0.837	73	14:56:53	02-13-2008
8	9.56E-03	4.14E-03	0.837	72.4	14:56:58	02-13-2008
9	9.60E-03	4.14E-03	0.837	72.5	14:57:03	02-13-2008
10	1.08E-02	5.48E-03	0.842	75.9	14:57:15	02-13-2008
11	1.08E-02	5.50E-03	0.841	75.9	14:57:19	02-13-2008
12	1.08E-02	5.50E-03	0.835	76.1	14:57:24	02-13-2008
13	1.12E-02	5.29E-03	0.833	78	14:57:38	02-13-2008
14	1.06E-02	5.28E-03	0.832	75.8	14:57:43	02-13-2008
15	1.04E-02	5.30E-03	0.833	74.8	14:57:48	02-13-2008
16	1.42E-02	4.80E-03	0.857	89.2	14:57:59	02-13-2008
17	1.03E-02	4.41E-03	0.867	73.6	14:58:04	02-13-2008
18	1.03E-02	4.35E-03	0.855	74.3	14:58:08	02-13-2008
19	1.37E-02	7.68E-03	0.825	86.1	14:58:22	02-13-2008
20	1.37E-02	7.69E-03	0.823	86.1	14:58:26	02-13-2008
average	1.106E-02	5.214E-03	0.838	77.365		
standard dev	1.340E-03	1.028E-03	0.011	4.698		

Notes:

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