

Reflectivity measurement

Equipment:	uscan reflectometer	
Mirror:	Reference mirror	
Person:	Tibor Agocs	
Date:	24/07/2007	
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
1	1.93E-03	1.96E-03	0.962	29.8	11:00:29	07-24-1907
2	1.95E-03	1.97E-03	0.966	29.9	11:00:34	07-24-1907
3	1.96E-03	1.97E-03	0.949	30.3	11:00:38	07-24-1907
4	1.18E-02	9.27E-03	0.98	73	11:00:47	07-24-1907
5	1.19E-02	9.25E-03	0.974	73.5	11:00:52	07-24-1907
average	5.922E-03	4.883E-03	0.966	47.300		
standard dev	5.443E-03	3.996E-03	0.012	23.690		

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 $\cos\theta$