

Reflectivity measurement

Equipment:	uscan reflectometer	
Mirror:	Reference mirror	
Person:	Tibor Agocs	
Date:	22/05/2007	
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	4.37E-03	3.48E-03	0.959	44.8	10:00:54	05-22-1907
2	4.37E-03	3.46E-03	0.96	44.8	10:00:59	05-22-1907
3	4.38E-03	3.44E-03	0.963	44.8	10:01:04	05-22-1907
4	2.09E-03	1.23E-03	0.905	32	10:01:13	05-22-1907
5	2.03E-03	1.23E-03	0.897	31.6	10:01:18	05-22-1907
6	2.02E-03	1.25E-03	0.902	31.5	10:01:23	05-22-1907
7	8.01E-03	3.32E-03	0.953	62.3	10:01:38	05-22-1907
8	8.32E-03	3.32E-03	0.954	63.7	10:01:43	05-22-1907
9	8.33E-03	3.30E-03	0.955	63.7	10:01:48	05-22-1907
average	4.880E-03	2.669E-03	0.939	46.6		
standard dev	2.703E-03	1.079E-03	0.028	13.7		

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 $\cos\theta$