

## Reflectivity measurement

Equipment:	uscan reflectometer		
Mirror:	<b>Reference mirror</b>		
Person:	Tibor Agocs		
Date:	13/12/2007		
Lambda (micron):	0.67		
Incident angle (degree):	25		
BW (Bandwidth) limits:	1	0.1	

### reference mirror

No#	BSDF - 0°,0° detector position	BSDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
27	1.60E-03	8.72E-04	0.975	27.1	14:40:53	12-13-1907
28	1.65E-03	9.05E-04	0.968	27.6	14:40:58	12-13-1907
29	1.67E-03	9.08E-04	0.971	27.7	14:41:02	12-13-1907
30	1.66E-03	8.50E-04	0.962	27.8	14:41:09	12-13-1907
31	1.62E-03	8.56E-04	0.963	27.5	14:41:14	12-13-1907
<b>average</b>	<b>1.642E-03</b>	<b>8.779E-04</b>	<b>0.968</b>	<b>27.540</b>		
<b>standard dev</b>	<b>2.916E-05</b>	<b>2.719E-05</b>	<b>0.005</b>	<b>0.270</b>		

### 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  $\cos\theta$