

## Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer	
Mirror:	<b>reference mirror</b>	
Person:	Tibor Agocs	
Date:	21/04/2008	
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
32	2.21E-03	1.26E-03	0.938	32.3	14:04:14	04-21-2008
33	2.19E-03	1.27E-03	0.946	32.1	14:04:18	04-21-2008
34	2.17E-03	1.28E-03	0.948	31.9	14:04:23	04-21-2008
35	3.00E-03	9.94E-04	0.951	39	14:04:31	04-21-2008
36	3.15E-03	1.02E-03	0.95	40.2	14:04:36	04-21-2008
37	3.20E-03	1.03E-03	0.951	40.5	14:04:40	04-21-2008
<b>average</b>	<b>2.652E-03</b>	<b>1.142E-03</b>	<b>0.947</b>	<b>36.000</b>		
<b>standard dev</b>	<b>5.111E-04</b>	<b>1.405E-04</b>	<b>0.005</b>	<b>4.303</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