

## Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer		
Mirror:	<b>reference mirror</b>		
Person:	Neil O'Mahony		
Date:	20091103		
Lambda (micron):	0.67		
Incident angle (degree):	25		
BW (Bandwidth) limits:	1	0.1	

### Reference mirror

No#	BPDF - 0°,0° detector position	BPDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
1	3.17E-03	2.21E-03	0.938	38.6	15:27:37	11/2/2009
2	3.53E-03	1.84E-03	0.938	41.1	15:27:44	11/2/2009
3	1.99E-03	1.87E-03	0.943	30.6	15:27:51	11/2/2009
4	2.40E-03	1.55E-03	0.941	33.6	15:27:58	11/2/2009
5	2.06E-03	1.46E-03	0.943	31	15:28:05	11/2/2009
<b>average</b>	<b>2.630E-03</b>	<b>1.785E-03</b>	<b>0.941</b>	<b>34.980</b>		
<b>standard dev</b>	<b>6.899E-04</b>	<b>2.957E-04</b>	<b>0.003</b>	<b>4.677</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