

## Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer		
Mirror:	<b>reference mirror</b>		
Person:	Tibor Agocs		
Date:	20100111		
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
46	9.54E-03	3.19E-03	0.918	70.8	15:14:38	1/11/2010
47	9.66E-03	3.29E-03	0.897	71.9	15:14:42	1/11/2010
48	9.69E-03	3.30E-03	0.903	71.8	15:14:46	1/11/2010
49	9.76E-03	3.31E-03	0.876	73.2	15:14:51	1/11/2010
50	3.48E-03	2.63E-03	0.924	40.7	15:15:00	1/11/2010
51	3.46E-03	2.69E-03	0.934	40.4	15:15:05	1/11/2010
52	3.48E-03	2.67E-03	0.934	40.5	15:15:09	1/11/2010
53	3.47E-03	2.68E-03	0.93	40.6	15:15:14	1/11/2010
54	3.47E-03	2.68E-03	0.929	40.6	15:15:18	1/11/2010
<b>average</b>	<b>6.223E-03</b>	<b>2.936E-03</b>	<b>0.916</b>	<b>54.500</b>		
<b>standard dev</b>	<b>3.263E-03</b>	<b>3.191E-04</b>	<b>0.020</b>	<b>16.542</b>		

### Notes:

RMS - Root Mean Square surface roughness in Angstrom,

BPDF - Bidirectional scatter distribution function, it is equal to the scattered power per unit solid angle