

Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer		
Mirror:	reference mirror		
Person:	Tibor Agocs		
Date:	20100112		
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	7.03E-03	2.70E-03	0.879	61.2	09:41:27	1/12/2010
2	7.03E-03	2.68E-03	0.854	62.1	09:41:32	1/12/2010
3	7.02E-03	2.68E-03	0.838	62.6	09:41:36	1/12/2010
4	3.74E-03	1.44E-03	0.879	44.6	09:41:46	1/12/2010
5	3.85E-03	1.47E-03	0.907	44.6	09:41:51	1/12/2010
6	3.89E-03	1.47E-03	0.912	44.8	09:41:56	1/12/2010
7	4.99E-03	2.96E-03	0.901	49.6	09:42:09	1/12/2010
8	5.02E-03	2.95E-03	0.89	50.1	09:42:13	1/12/2010
9	5.03E-03	2.95E-03	0.892	50	09:42:18	1/12/2010
average	5.289E-03	2.365E-03	0.884	52.178		
standard dev	1.402E-03	6.900E-04	0.024	7.693		

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