Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer	
Mirror:	**reference mirror**	
Person:	Tibor Agocs	
Date:	27/7/2009	
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
1	3.11E-03	2.36E-03	0.87	39.7	08:54:25	07-27-2009
2	3.01E-03	2.37E-03	0.874	39	08:54:30	07-27-2009
3	3.01E-03	2.37E-03	0.882	38.8	08:54:34	07-27-2009
4	9.56E-03	5.07E-03	0.873	70	08:54:43	07-27-2009
5	9.68E-03	5.13E-03	0.869	70.6	08:54:47	07-27-2009
6	9.71E-03	5.12E-03	0.87	70.7	08:54:52	07-27-2009
average	**6.348E-03**	**3.738E-03**	**0.873**	**54.800**		
standard dev	**3.619E-03**	**1.501E-03**	**0.005**	**17.130**		

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