Reflectivity measurement - reference mirror

Equipment:	uscan reflectometer	
Mirror:	**reference mirror**	
Person:	Tibor Agocs	
Date:	23/07/2008	
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
112	4.85E-03	1.11E-03	0.925	53.8	13:28:51	07-23-2008
113	4.84E-03	1.12E-03	0.938	53.2	13:28:55	07-23-2008
114	4.85E-03	1.11E-03	0.932	53.5	13:29:00	07-23-2008
115	4.11E-03	1.40E-03	0.939	45.9	13:29:07	07-23-2008
116	4.15E-03	1.40E-03	0.943	46	13:29:12	07-23-2008
117	4.16E-03	1.41E-03	0.948	45.9	13:29:17	07-23-2008
118	3.05E-03	7.82E-04	0.927	41.5	13:29:23	07-23-2008
119	3.05E-03	7.78E-04	0.926	41.6	13:29:27	07-23-2008
120	3.05E-03	7.82E-04	0.935	41.4	13:29:32	07-23-2008
average	**4.011E-03**	**1.099E-03**	**0.935**	**46.978**		
standard dev	**7.839E-04**	**2.690E-04**	**0.008**	**5.257**		

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