

Reflectivity measurement - after aluminising INT primary mirror

Equipment:	uscan reflectometer		
Mirror:	INT Primary mirror		
Person:	Juerg Rey		
Date:	21/04/2008		
Lambda (micron):	0.67		
Incident angle (degree):	25		
BW (Bandwidth) limits:	1	0.1	

INT mirror - after aluminising

No#	BPDF - 0°,0° detector position	BPDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
1	2.20E-04	1.73E-04	0.885	10.5	12:27:04	04-21-2008
2	2.13E-04	1.71E-04	0.876	10.4	12:27:12	04-21-2008
3	2.15E-04	1.79E-04	0.882	10.4	12:27:20	04-21-2008
4	2.17E-04	1.82E-04	0.876	10.5	12:27:40	04-21-2008
5	2.15E-04	1.81E-04	0.875	10.4	12:27:46	04-21-2008
6	2.14E-04	1.82E-04	0.877	10.4	12:27:52	04-21-2008
8	1.60E-04	9.34E-05	0.866	9.1	12:28:22	04-21-2008
9	2.60E-04	1.35E-04	0.832	11.8	12:28:27	04-21-2008
10	3.29E-04	2.04E-04	0.831	13.3	12:28:33	04-21-2008
11	4.18E-04	2.01E-04	0.862	14.8	12:28:42	04-21-2008
12	4.15E-04	2.01E-04	0.868	14.7	12:28:47	04-21-2008
13	4.21E-04	2.03E-04	0.862	14.9	12:28:53	04-21-2008
14	1.68E-04	7.93E-05	0.879	9.3	12:29:20	04-21-2008
15	1.76E-04	7.98E-05	0.876	9.6	12:29:25	04-21-2008
16	1.80E-04	8.11E-05	0.877	9.7	12:29:30	04-21-2008
17	1.90E-04	8.72E-05	0.886	9.9	12:29:38	04-21-2008
18	1.79E-04	9.74E-05	0.893	9.5	12:29:43	04-21-2008
19	1.98E-04	1.13E-04	0.862	10.1	12:29:49	04-21-2008
20	1.54E-04	1.05E-04	0.871	8.8	12:30:17	04-21-2008
21	1.67E-04	1.15E-04	0.882	9.1	12:30:22	04-21-2008
22	2.22E-04	1.37E-04	0.899	10.5	12:30:28	04-21-2008
23	7.65E-04	2.10E-04	0.881	21.1	12:30:40	04-21-2008
24	1.19E-04	6.80E-05	0.902	7.7	12:30:46	04-21-2008
25	1.43E-04	7.76E-05	0.848	8.7	12:30:50	04-21-2008
26	2.16E-04	1.87E-04	0.87	10.5	12:31:11	04-21-2008
27	2.16E-04	1.86E-04	0.873	10.4	12:31:16	04-21-2008
28	2.16E-04	1.85E-04	0.873	10.5	12:31:20	04-21-2008
29	2.24E-04	1.86E-04	0.863	10.7	12:31:28	04-21-2008
30	2.27E-04	1.80E-04	0.866	10.8	12:31:34	04-21-2008
31	2.25E-04	1.79E-04	0.866	10.7	12:31:39	04-21-2008
average	2.428E-04	1.486E-04	0.872	10.960		
standard dev	1.245E-04	4.832E-05	0.016	2.583		

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