

Reflectivity measurement - WHT Tertiary

Equipment:	uscan reflectometer	
Mirror:	WHT Tertiary mirror	
Person:	Neil O'Mahony	
Date:	7/4/2009	
Lambda (micron):	0.67	
Incident angle (degree):	25	
BW (Bandwidth) limits:	1	0.1

WHT tertiary

No#	BSDF - 0°,0° detector position	BSDF - 50°,180° detector position	reflectivity	rms (Ångstrom)	time	date
25	1.37E-02	6.31E-03	0.778	89.4	10:00:00	4/7/2009
26	1.38E-02	6.32E-03	0.781	89.7	10:00:05	4/7/2009
27	1.35E-02	6.20E-03	0.773	89.2	10:00:10	4/7/2009
28	1.05E-02	4.66E-03	0.776	78.6	10:00:20	4/7/2009
29	1.05E-02	4.66E-03	0.78	78.3	10:00:25	4/7/2009
30	1.05E-02	4.66E-03	0.782	78.3	10:00:29	4/7/2009
average	1.208E-02	5.469E-03	0.778	83.917		
standard dev	1.744E-03	8.872E-04	0.003	6.046		

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