

Before Washing

Neil O'Mahony processed data and wrote this report. Washing by Tibor Agocs and Neil
 Dome Humidity ~40%, Temperature 3 degC
 Published 31 Mar 2011

SMS Reflectometer measurements from immediately before water washing of the WHT Primary mirror surface.

Lambda 0.67
 Incident Angle 25

	BDSF (Scattering)		REFLECTANCE	Surface Roughness RMS (Å)	comments	"TIME"	"DATE"
	Pos 1: Zenith 0° Azim. 0°	Pos 2: Zenith 50° Azim. 180°					
Ref mirror	2.01E-003	1.27E-003	0.92	31.1		"11:15:16"	"01-13-1911"
2	2.04E-003	1.30E-003	0.91	31.4		"11:15:20"	"01-13-1911"
3	2.03E-003	1.32E-003	0.93	31.1		"11:15:25"	"01-13-1911"
4	3.37E-003	9.82E-004	0.94	42.6		"11:15:32"	"01-13-1911"
5	3.37E-003	9.92E-004	0.94	42.3		"11:15:37"	"01-13-1911"
			0.9268				

Primary	8.87E-003	2.88E-003	0.8230	72.4		"11:17:55"	"01-13-1911"
7	8.86E-003	2.87E-003	0.8230	72.4		"11:18:00"	"01-13-1911"
8	8.84E-003	2.85E-003	0.8360	71.8		"11:18:04"	"01-13-1911"
9	8.32E-003	3.00E-003	0.8040	70.1		"11:18:11"	"01-13-1911"
10	8.30E-003	3.00E-003	0.7590	72		"11:18:16"	"01-13-1911"
11	8.39E-003	2.99E-003	0.7730	71.8		"11:18:20"	"01-13-1911"
12	1.04E-002	4.06E-003	0.8350	76.2		"11:18:28"	"01-13-1911"
13	1.03E-002	4.08E-003	0.8300	76.1		"11:18:33"	"01-13-1911"
14	1.03E-002	4.08E-003	0.8050	77.1		"11:18:37"	"01-13-1911"
15	1.14E-002	4.14E-003	0.8140	81.5		"11:18:47"	"01-13-1911"
16	1.14E-002	4.15E-003	0.7950	82.2		"11:18:51"	"01-13-1911"
17	1.13E-002	4.14E-003	0.7800	82.6		"11:18:56"	"01-13-1911"
18	1.01E-002	3.60E-003	0.8300	76.2		"11:19:04"	"01-13-1911"
19	1.01E-002	3.61E-003	0.8020	77.2		"11:19:09"	"01-13-1911"

average selectd 0.8143 Only 3 valid %R measurement pairs
std error 0.0067

average all 0.0098 0.0035 0.8078 75.69
std error 0.0005 0.0003 0.0108 1.86