SMS on WHT Secondary mirror in April 2013, taking advantage of change to AF2. CT7 measurements not available. Measurements, Analysis and Report by Neil O'Mahony. Published 13/4/2018.

As usual, measurements in pairs without moving head: should be repeatable to within 0.05 (0.5%). Positions discernible by very similar scattering values. If R is not repeatable, omit from statistics.

Lambda	0.67 micron		
Incident	25 deg		<sms summary<="" td=""></sms>
Angle	25 deg		characteristics
BW Limits	1	0.01	

	Scattering at angles Θ,Φ			Reflect-	user	Rough-		
	Θs->	0	50	ivity	comment	ness		
datum #	Фs->	0	180	ivity	Comment	RMS(Å)	TIME	DATE
1	pos 1	2.11E-03	1.76E-04	0.855		61.8	09:41:24	26/04/2013
2		2.11E-03	1.80E-04	0.857		60.4	09:41:30	26/04/2013
3	pos 2	1.44E-03	1.08E-04	0.880	not rep	55.5	09:41:42	26/04/2013
4		1.43E-03	1.05E-04	0.867		56.5	09:41:49	26/04/2013
5		1.46E-03	1.07E-04	0.860		58	09:41:54	26/04/2013
6	pos 3	2.00E-03	2.36E-04	0.862		46.5	09:42:02	26/04/2013
7		2.00E-03	2.36E-04	0.854	ok rep	46.7	09:42:06	26/04/2013
8	pos 4	2.08E-03	1.40E-04	0.846	lowest	76	09:42:21	26/04/2013
9		2.10E-03	1.42E-04	0.855	not rep	75.7	09:42:26	26/04/2013
Average Al	L	1.9E-03	1.6E-04	0.860		60		
Average of	selected			0.859				
Standard e	rror	1E-04	2E-05	0.003		4		

This %R average is 1.5% higher than last year. Both sets of measurements are small samples with many untrusted values. More surprisingly scattering is also better, although this tends to improve proportionally with %R. May have sampled better areas.