SMS Reflectivity meas. of WHT Primary mirror straight after soap+water wash, air dry, 17 April
Measurements are usually in pairs to confirm repeatability.

Lambda	0.67	micron	
Incident Angle	25	deg	<--SMS Summary characteristics
BW Limits	1	0.01	

Measurements straight after air drying with mirror on ground floor of dome.

datum #	Scattering at angles Θ,Φ Θs->/Φs->	0 0	50 180	Reflect-ivity	user comm-ent	Rough-ness RMS(Å)	TIME	DATE
1	location 1	1.54E-03	2.20E-04	0.858		37	"15:47:08"	"04-17-1913"
2		1.54E-03	2.20E-04	0.858		37	"15:47:13"	"04-17-1913"
3	2	2.60E-03	3.44E-04	0.856		50.1	"15:47:22"	"04-17-1913"
4		2.60E-03	3.43E-04	0.858		50	"15:47:27"	"04-17-1913"
5	3	2.44E-03	2.04E-04	0.859		66	"15:47:36"	"04-17-1913"
6		2.43E-03	2.03E-04	0.866	keep	65.7	"15:47:42"	"04-17-1913"
7		2.43E-03	2.04E-04	0.862		65.9	"15:47:48"	"04-17-1913"
8	4	2.94E-03	7.22E-04	0.861		42.8	"15:48:36"	"04-17-1913"
9		2.95E-03	7.26E-04	0.861		42.8	"15:48:40"	"04-17-1913"
10	5	3.02E-03	6.19E-04	0.859		45.3	"15:48:48"	"04-17-1913"
11		3.02E-03	6.19E-04	0.86		45.2	"15:48:54"	"04-17-1913"
12	6	2.99E-03	4.74E-04	0.862		49.2	"15:49:03"	"04-17-1913"
13		2.99E-03	4.73E-04	0.861		49.2	"15:49:08"	"04-17-1913"
14	7	1.58E-03	1.85E-04	0.865		41.6	"15:50:04"	"04-17-1913"
15		1.58E-03	1.84E-04	0.866		41.6	"15:50:09"	"04-17-1913"
16	8	1.37E-03	1.52E-04	0.867		39.9	"15:50:18"	"04-17-1913"
17		1.37E-03	1.53E-04	0.867		39.7	"15:50:22"	"04-17-1913"
18	9	1.31E-03	1.45E-04	0.867		39.2	"15:50:31"	"04-17-1913"
19		1.31E-03	1.45E-04	0.867		39.1	"15:50:35"	"04-17-1913"
20	10	2.56E-03	4.76E-04	0.864		42.8	"15:51:16"	"04-17-1913"
21		2.56E-03	4.76E-04	0.864		42.8	"15:51:21"	"04-17-1913"
22	11	2.13E-03	2.91E-04	0.864		44.3	"15:51:32"	"04-17-1913"
23		2.13E-03	2.92E-04	0.862		44.3	"15:51:36"	"04-17-1913"
24	12	3.06E-03	4.85E-04	0.862	solo	49.7	"15:51:47"	"04-17-1913"
AVERAGES		**2.27E-03**	**3.48E-04**	**0.862**		**46.3**		
STD DEV				**0.003**				
STD ERROR				**0.001**				

Reference Surface measurements:

25	1.09E-02	9.24E-03	0.94	71.5	"15:54:48"	"04-17-1913"
26	1.09E-02	9.23E-03	0.939	71.5	"15:54:53"	"04-17-1913"
27	1.13E-02	2.42E-03	0.931	83	"15:54:59"	"04-17-1913"
28	1.13E-02	2.42E-03	0.93	83	"15:55:04"	"04-17-1913"
29	2.90E-03	1.65E-03	0.93	37.3	"15:55:11"	"04-17-1913"

reference measurements are within typical range

Conclusion: Average reflectivity is similar to that typically measured on newly aluminised surface (e.g. M3 one week previously)

Note: areas with lower wide-angle scattering are visible when sponge was applied to stained area