



COC QA TEST REPORT

CP08 AR Coating Absorption

Test Date	Apr. 17 - 18, 2012		
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Approval(s)			
Specification Doc.	LIGO-E0900074	Specification	< 1.0 ppm
Procedure Doc.	LIGO-E1000863	Avg. \pm Error	0.4 \pm 0.1
Conclusion			

Discussion and Comment:

With keeping the arrow on barrel at Y+ direction, 4 radial scans outside 120 mm aperture were carried out along X+- and Y+- on two surfaces (S1 and S2), as shown in following Fig.1 and Fig.2. The signal / noise ratio was kept as low as possible to avoid possible coating downgrade caused by dust burning.



CP08 AR Coating Absorption

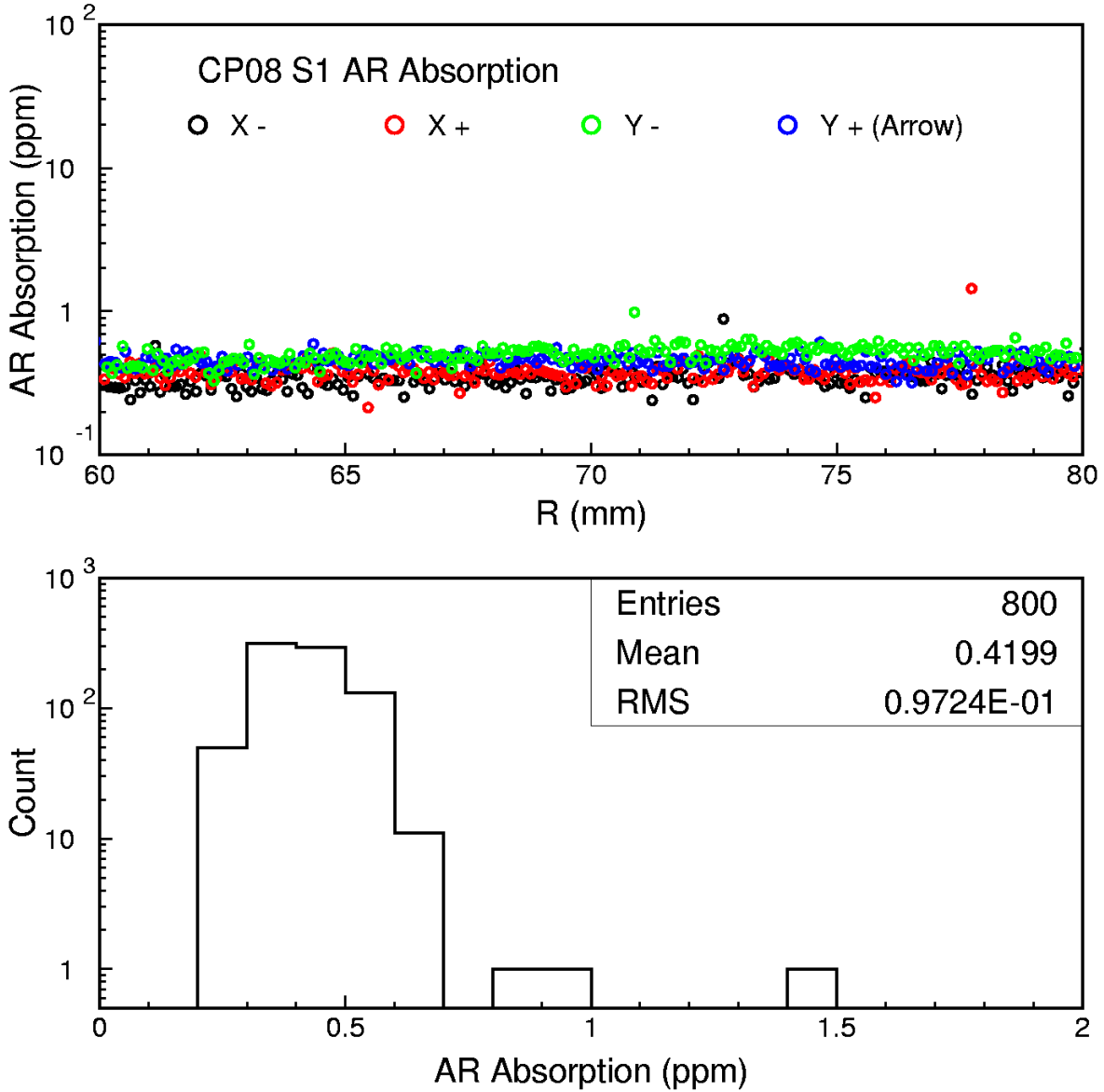


Fig.1 AR coating absorption measurements on CP08 S1 surface along 4 radial directions.



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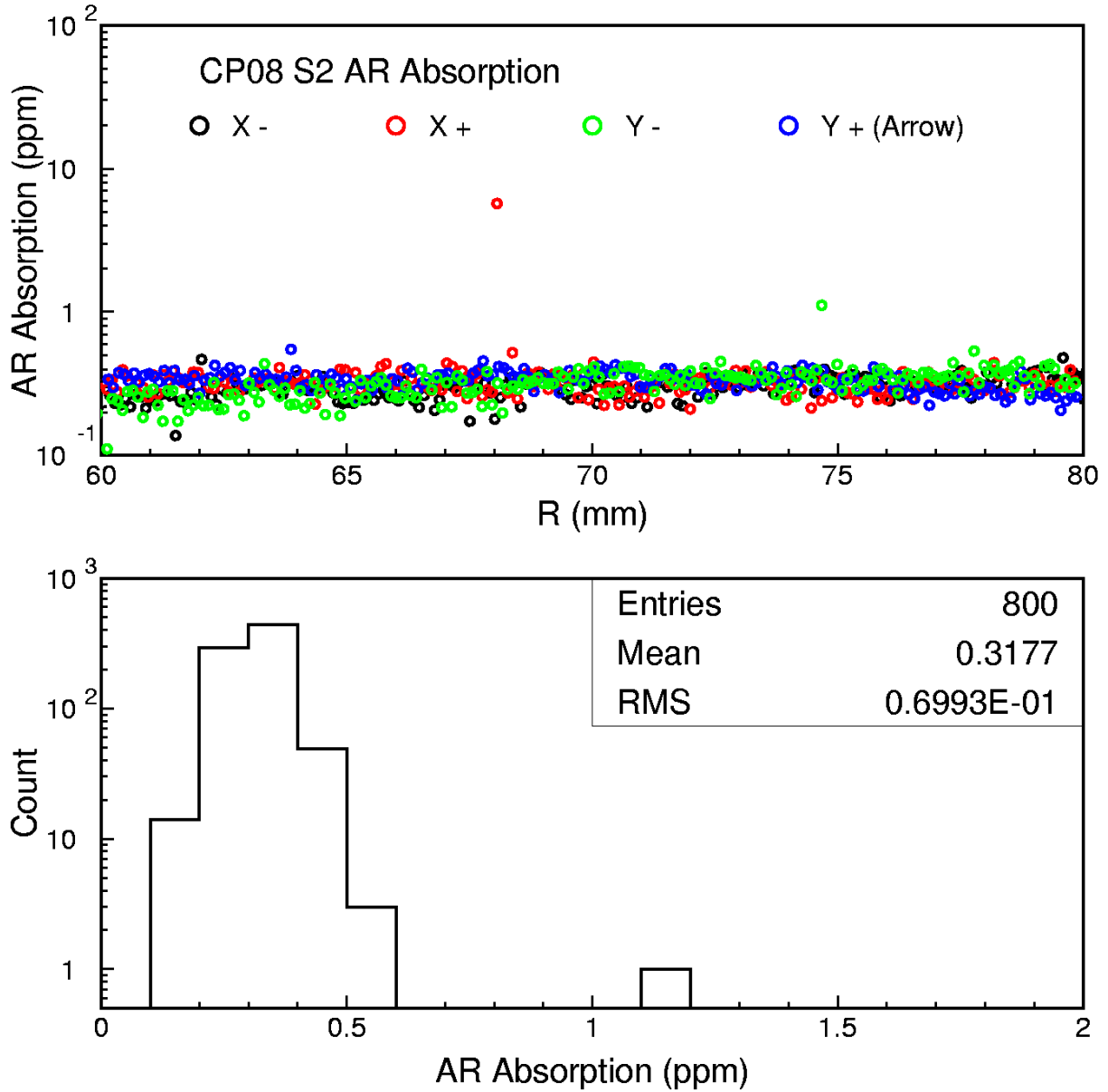


Fig.2 AR coating absorption measurements on CP08 S2 surface along 4 radial directions.