



COC QA TEST REPORT

ETM14 HR Coating Absorption

Test Date	Oct. 27-30, 2014		
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Approval(s)			
Specification Doc.	LIGO-E0900068	Specification	< 0.5 ppm
Procedure Doc.	LIGO-E1000863	Mean ± Error	0.2 ± 0.1
Conclusion	Qualified.		

Discussions and Comments:

Four radial scans were carried out along X+- and Y+- with the arrow of barrel at Y+ direction, as shown in Fig.1. The calibration was done by a contamination cavity HR mirror (1" in dia.), of which the HR absorption was measured to be 0.6 ppm in the optical contamination test.



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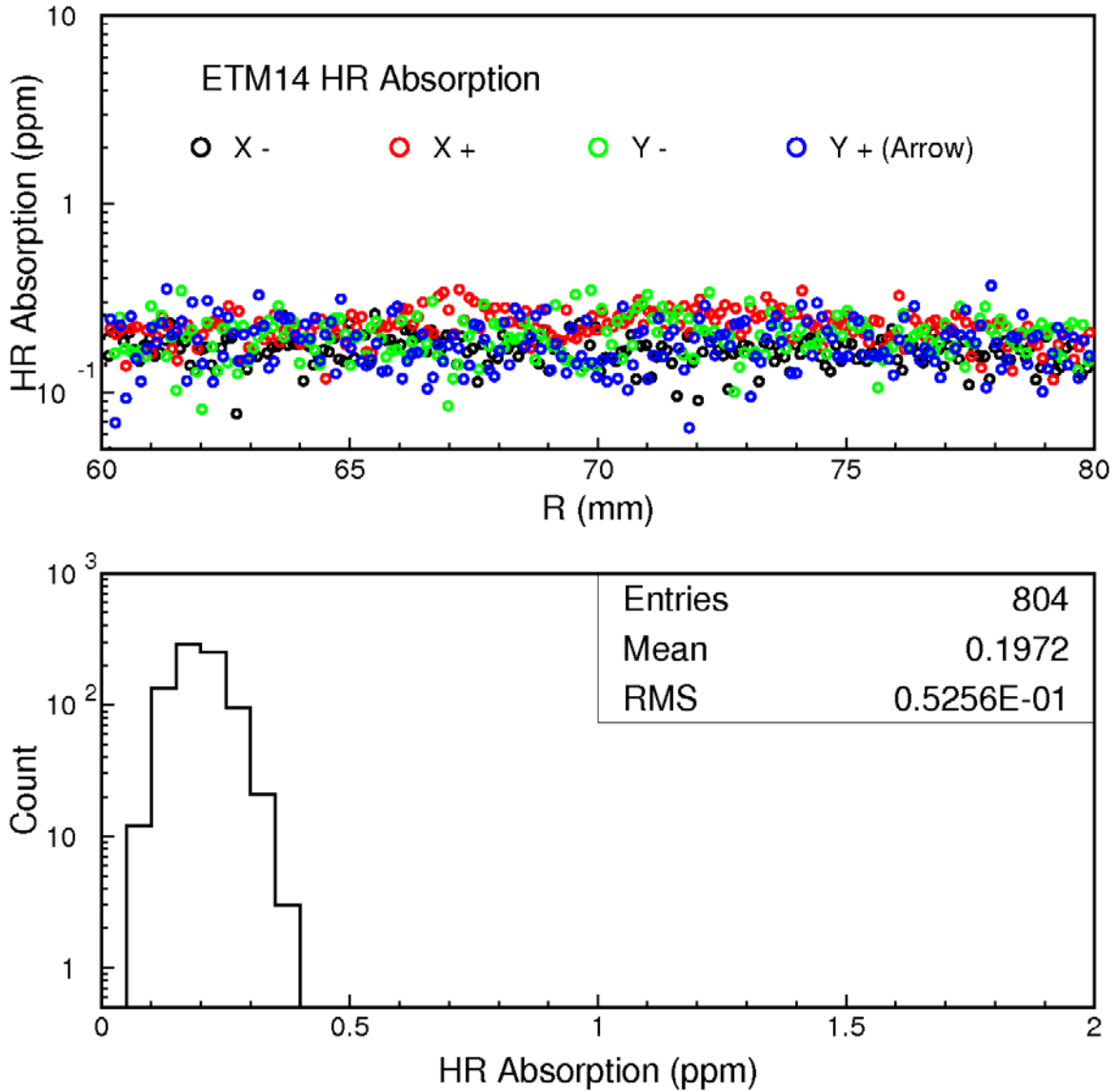


Fig.1 ETM14 HR absorption radial scans along 4 directions outside 120 mm aperture.