

**ETM12 HR Coating Absorption**

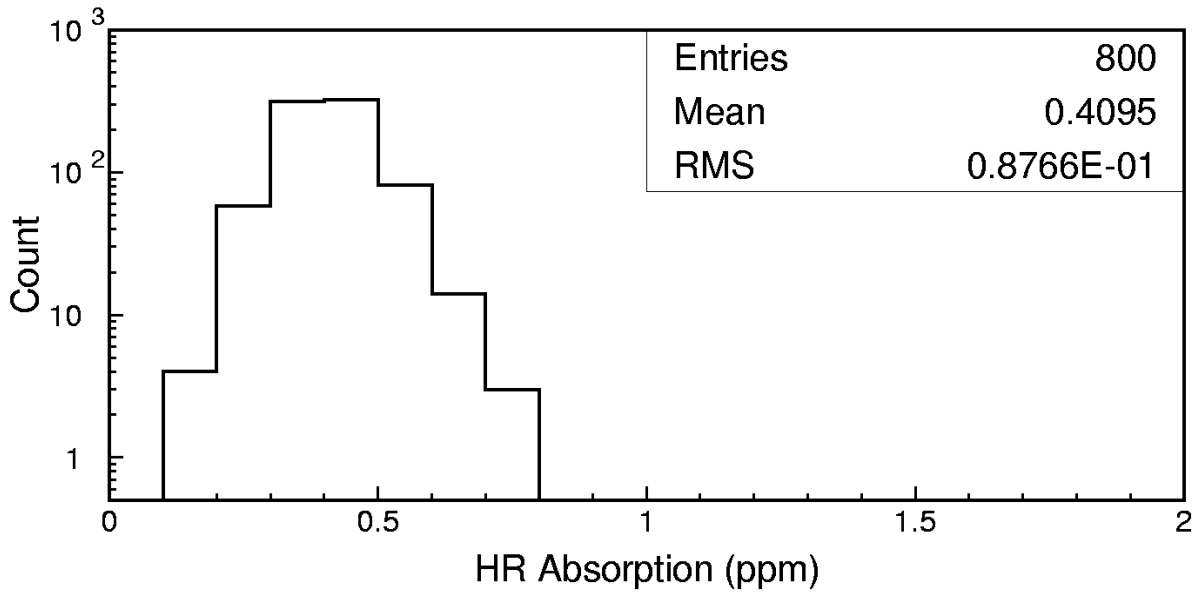
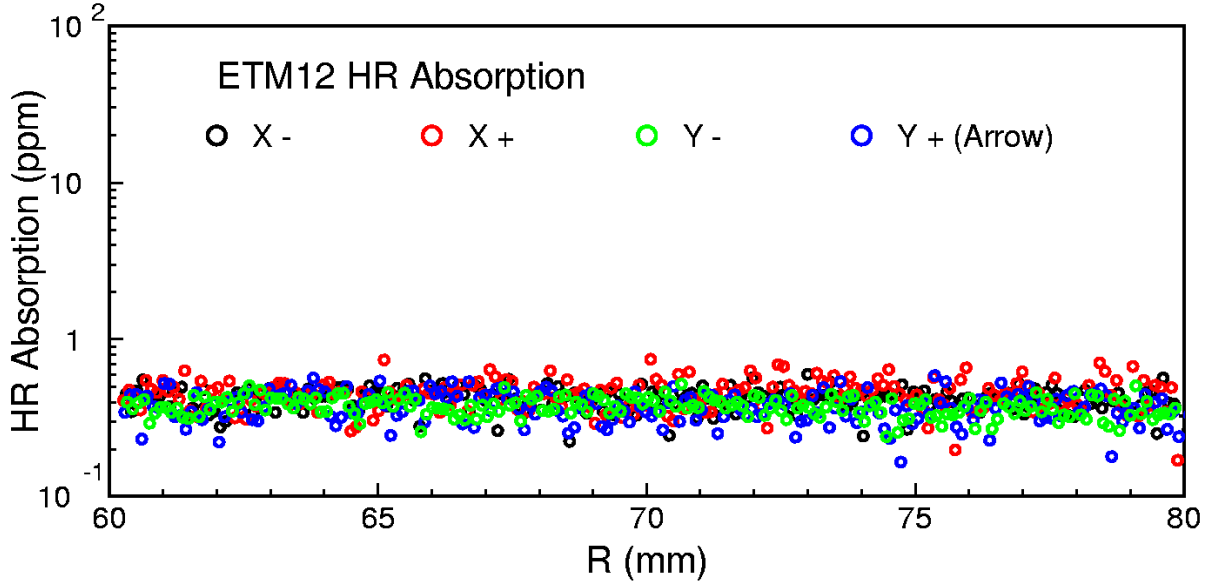
Test Date	May 20, 2013		
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Approval(s)			
Specification Doc.	LIGO-E0900068	Specification	< 0.5 ppm
Procedure Doc.	LIGO-E1000863	Mean $\pm$ Error	0.4 $\pm$ 0.1
Conclusion	Qualified.		

**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 ETM12 HR absorption radial scans along 4 directions outside 120 mm aperture.**