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| **Test Date** | Oct. 27-30, 2014 |
| **Author(S)** | Liyuan Zhang, GariLynn Billingsley |
| **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.**