|  |  |
| --- | --- |
| **Test Date** | May 20, 2013 |
| **Author(S)** | Liyuan Zhang, Margot Phelps, GariLynn Billingsley |
| **Approval(s)** |  |
| **Specification Doc.** | LIGO-E0900068 | Specification | < 0.5 ppm |
| **Procedure Doc.** | LIGO-E1000863 | Mean ± Error | 0.4 ± 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.**

****

**Fig.1 ETM12 HR absorption radial scans along 4 directions outside 120 mm aperture.**