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| **Test Date** | Apr. 17 - 18, 2012 |
| **Author(S)** | Liyuan Zhang, Margot Phelps, GariLynn Billingsley |
| **Approval(s)** |  |
| **Specification Doc.** | LIGO-E0900074 | Specification | < 1.0 ppm |
| **Procedure Doc.** | LIGO-E1000863 | Avg. ± Error | 0.4 ± 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.

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**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.**