*LIGO Laboratory / LIGO Scientific Collaboration*

LIGO-E1300385-v1 *LIGO* 5/9/13

Install Manifold/Cryo Baf LLO ITM X Test

Michael Smith

Distribution of this document:

LIGO Scientific Collaboration

This is an internal working note

of the LIGO Laboratory.

|  |  |
| --- | --- |
| **California Institute of Technology****LIGO Project – MS 18-34****1200 E. California Blvd.****Pasadena, CA 91125**Phone (626) 395-2129Fax (626) 304-9834E-mail: info@ligo.caltech.edu | **Massachusetts Institute of Technology****LIGO Project – NW22-295****185 Albany St****Cambridge, MA 02139**Phone (617) 253-4824Fax (617) 253-7014E-mail: info@ligo.mit.edu |
| **LIGO Hanford Observatory****P.O. Box 159****Richland WA 99352**Phone 509-372-8106Fax 509-372-8137 | **LIGO Livingston Observatory****P.O. Box 940****Livingston, LA 70754**Phone 225-686-3100Fax 225-686-7189 |

http://www.ligo.caltech.edu/

[1 Introduction 5](#_Toc356214310)

[2 Acceptance Tests 5](#_Toc356214311)

[2.1 X-Arm Manifold-Cryopump Baffle Alignment Test & Exit Check List 7](#_Toc356214312)

**Abstract**

This document presents the data for the LLO ITM X Manifold/Cryo Baffle Installation Acceptance Test.

# Introduction

This document presents the data for the LLO ITM X Manifold/Cryo Baffle Installation Acceptance Test.

# Acceptance Tests



6.0 in

17.5 in

6.0 in

Figure : Manifold/Cryo Baffle placed 6.0 in away from A1 Adapter at Corner Station



Pendulum Rod

Blade Spring

Figure : Close up of Blade Spring and 2-Wire Pendulum Suspension Mechanism



Fixed Weights

Outer Support Ring

Magnets

Cu Plate

Balance Weights

Figure : Magnet Gap and Balance Weights

## X-Arm Manifold-Cryopump Baffle Alignment Test & Exit Check List

