*LIGO Laboratory / LIGO Scientific Collaboration*

LIGO-E1300381-v1 *LIGO* 5/7/13

Install ITM Elliptical Baffle LLO BSC2 X&Y 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) 395-2129  Fax (626) 304-9834  E-mail: info@ligo.caltech.edu | **Massachusetts Institute of Technology**  **LIGO Project – NW22-295**  **185 Albany St**  **Cambridge, MA 02139**  Phone (617) 253-4824  Fax (617) 253-7014  E-mail: info@ligo.mit.edu |
| **LIGO Hanford Observatory**  **P.O. Box 159**  **Richland WA 99352**  Phone 509-372-8106  Fax 509-372-8137 | **LIGO Livingston Observatory**  **P.O. Box 940**  **Livingston, LA 70754**  Phone 225-686-3100  Fax 225-686-7189 |

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

[1 Introduction 5](#_Toc355796727)

[2 Acceptance Tests 5](#_Toc355796728)

[2.1 X-Arm 5](#_Toc355796729)

[2.1.1 Assembly Test 6](#_Toc355796730)

[2.1.2 Chamber Optical Alignment Test & Exit Check List 7](#_Toc355796731)

[2.2 Y-Arm 7](#_Toc355796732)

[2.2.1 Assembly Test 7](#_Toc355796733)

[2.2.2 Chamber Optical Alignment Test & Exit Check List 9](#_Toc355796734)

**Abstract**

This document presents the data for the ITM Elliptical Baffle LLO BSC2 Installation Acceptance Test.

# Introduction

This document presents the data for the ITM Elliptical Baffle LLO BSC2 Installation Acceptance Test.

# Acceptance Tests

## X-Arm

### Assembly Test



### Chamber Optical Alignment Test & Exit Check List



## Y-Arm

### Assembly Test



### Chamber Optical Alignment Test & Exit Check List

